

SITE INVESTIGATION REPORT

26-28 Rochester Place
London
NW1

ISSUE 03

CONCEPT

SITE INVESTIGATION REPORT

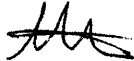


Rochester Place
London
NW1

Prepared for: Breeze Holdings Ltd

Concept: 07/2035 / FR 03

20/11/2007

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CONTROL DOCUMENT		
Job Title:	Rochester Place	
Job Number:	07/2035	
Document Type:	Factual Site Investigation Report	
Document Reference:	G:072035 fsir	
Document Status:	1. Issue 01 2. Issue 02 3. Issue 03	
Date of Issue:	1. 03/10/2007 2. 24/10/2007 3. 20/11/2007	
Prepared By:	Name:	I Penchev
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CONCEPT SITE INVESTIGATIONS

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CONCEPT SITE INVESTIGATIONS

CONTENTS

1. PROJECT PARTICULARS
2. SCOPE OF WORK
3. FIELDWORK
4. LABORATORY TESTING
5. SITE LOCATION PLAN
6. EXPLORATORY HOLE LOCATION PLAN
7. BOREHOLE LOG
8. WINDOW SAMPLE LOGS
9. GAS & GROUNDWATER MONITORING RESULTS
10. LABORATORY TEST RESULTS
11. CHEMICAL TEST RESULTS

CONCEPT SITE INVESTIGATIONS

1. PROJECT PARTICULARS

Site Address: 26-28 Rochester Place, Camden, London NW1.

Client: Breeze Holdings Ltd.

Date of Fieldwork: 15/08/2007 – 22/08/2007

2. SCOPE OF WORK:

Site works: 2 No. Cable Percussion Boreholes, to a maximum depth of 35.00m below ground level.

3 No. Window Sample Boreholes, to a maximum depth of 5.00m below ground level.

3. FIELDWORK

Cable Percussion Boreholes

2 No. boreholes were sunk to a maximum depth of 35.00m below ground level, using a standard cable percussion rig with 150mm equipment. Concrete and paving obstructions at the surface were removed by hydraulic breaker in order to facilitate drilling works. Hand dug inspection pits were conducted in each borehole to 1.20m depth below ground level, in order to detect any buried services which may have been missed by the Cable Avoidance Tool (CAT) scan and services plans.

All boreholes were excavated using a standard rig with 150mm diameter equipment.

Bulk samples were taken at 0.50m intervals in the Made Ground (MG).

Undisturbed 102mm nominal diameter (U102) samples were taken using a down-hole sliding hammer at 2.00 metre intervals within the first 10.00m (where possible), and thereafter at 3.00 metre intervals.

There was no recovery of the undisturbed sample taken at 28m depth in BH102 due to the thread snapping. The borehole was terminated at 31m after attempting recovery for 2 hours due to the remains of the tube preventing further progress to the final required depth of 35m. It was instructed by the Engineer that the depth of BH101 is increased from 15m to 35m with no sampling between 15.00m and 28.00m depth.

Standard penetration tests (SPT) were carried out at 2.00m intervals within the first 10.00 metres, and thereafter at 3.00 metre intervals. The resulting SPT N values are presented on the borehole records (Section 7). Where an SPT using the split shoe sampler was not possible, because of the granular nature of the material, a solid cone was used.

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Small, disturbed samples were retrieved from the cutting shoe or material collected within the SPT split spoon sampler.

Chemical samples were taken within the Made Ground, or whenever visual or olfactory evidence of contamination was noted.

Window Sample Boreholes

3 No. window sample boreholes were sunk to a maximum depth of 5.00m from ground level, using a Terrier 2000 tube sampling rig. The hole was cased and soil samples recovered within plastic liners. Soil samples recovered from the hole location were logged. Chemical samples were taken every metre within the Made Ground, and at every change in material or whenever visual or olfactory evidence of contamination was noted. There were no samples recovered between 3m and 4m in WS103 due to a clay stone in the cutting shoe.

Standpipe Installations

50mm diameter gas and groundwater monitoring standpipes were installed in both boreholes, slotted between 0.50m and 4.00m deep (see borehole logs in Section 7 for details). The installations were completed with lockable flush covers.

Gas and Groundwater Monitoring

Gas and groundwater monitoring was carried out by Concept subsequent to the completion of the site investigation works on three occasions. The results are presented in section 9 of this report.

All locations have been monitored for gas concentrations using a Gasdata LMSxi G3.18 gas monitor. This instrument measures the following gases to the following levels of accuracy:

	Range	Typical Accuracy
Methane	0 – 100%	0.2% @ 5%, 1.0% at 30%
LEL	0 – 100% LEL	4% LEL
Carbon Dioxide	0 – 100%	0.1% @ 10%, 3% @ 50%
Oxygen	0 – 25%	0.5%
Hydrogen Sulphate	200 ppm	5% of fs
Carbon Monoxide	1000 ppm	5% of fs
Atmospheric Pressure	800 – 1200 mbar	5mbar
Flow Range	0.1 to 20 l/hr	
Flow Resolution	0.1 l/hr	
Differential Pressure	-0.1mbar to 0.8mbar	

Setting Out

Following completion of the ground works the locations and levels for the boreholes, using precise level and/or EDM equipment as appropriate.

4. LABORATORY TESTING

All soil tests have been carried out in accordance with BS1377 (1990). The results are presented in tabular format in Section 10 of this report.

All chemical testing has been carried out by AIControl Technichem in accordance with the requirements of UKAS ISO17025 and ISO17020. The results are presented in tabular format in Section 11 of this report.

REFERENCES

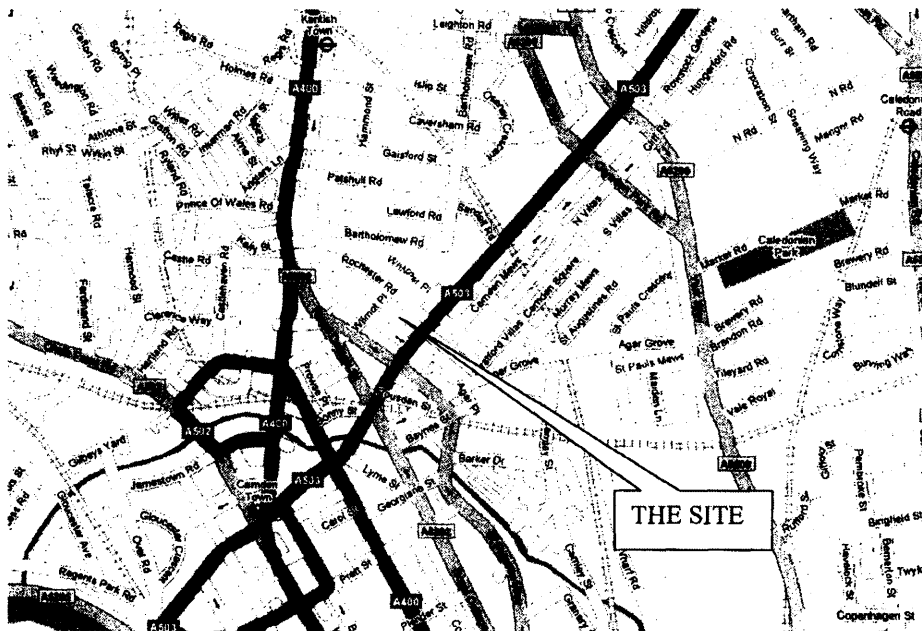
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Specification for Ground Investigation, Site Investigation Steering Group, Thomas Telford, London, 1999.

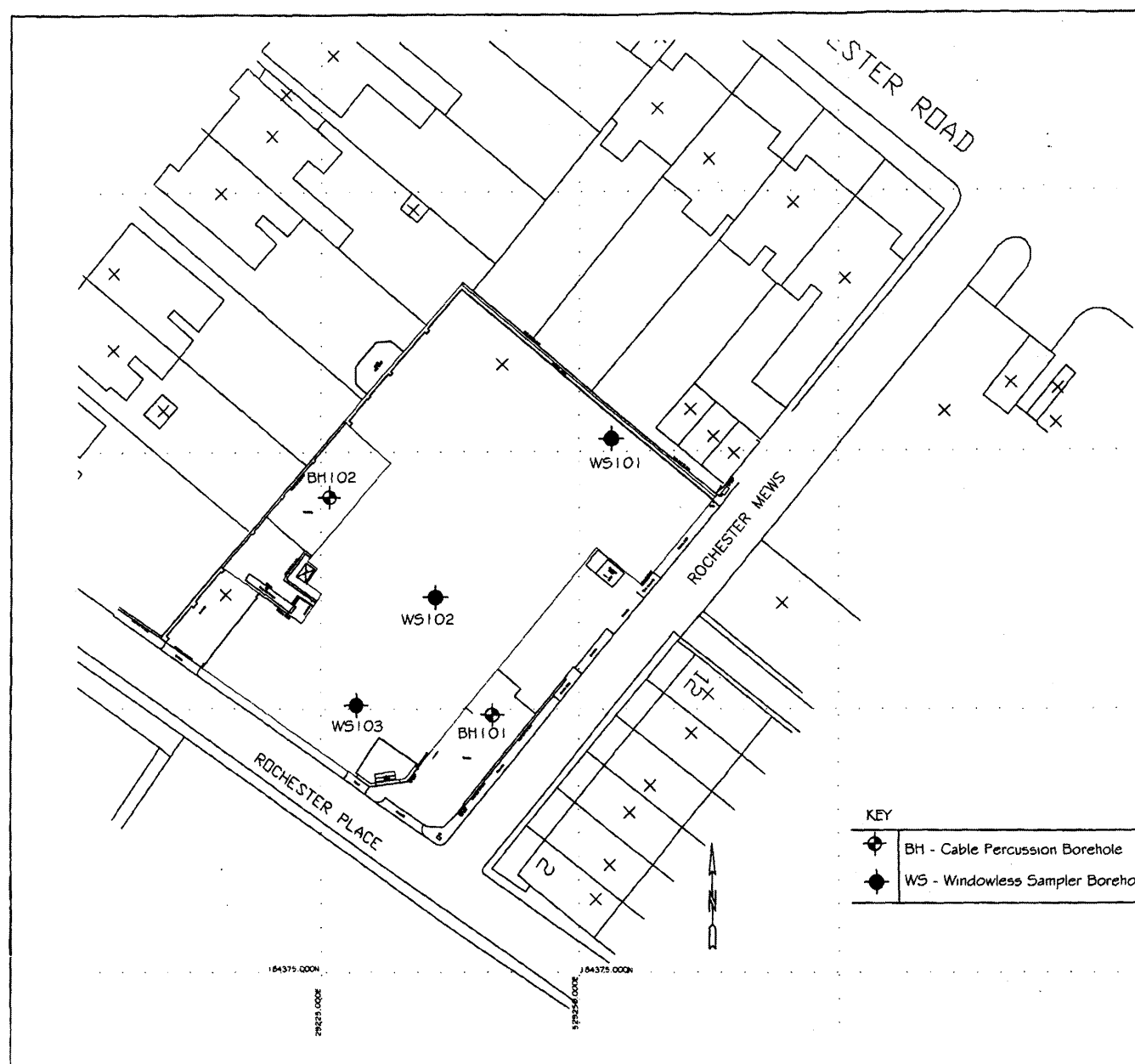
5. SITE LOCATION PLAN



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6. EXPLORATORY HOLE LOCATION PLAN



NOTES

1. This drawing should not be scaled.

COORDINATES & LEVELS

BH	EASTING (m)	NORTHING (m)	LEVEL (mOD)
BH101	529241.7	184399.5	31.45
BH102	529225.8	184420.7	31.57

WS	EASTING (m)	NORTHING (m)	LEVEL (mOD)
WS101	529253.2	184426.2	32.36
WS102	529236.2	184410.9	32.21
WS103	529228.5	184400.4	31.61

Rev	Revision	Drawn	Checked	Passed	Date

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Client	Breeze Holdings Ltd.		
Project	26 - 28 Rochester Place London, NW1		
Title	Exploratory Hole Location Plan		
Dwg. No:	072035/01		
Status:	Issue		
Scale:	NTS		
Drawn IP	Checked MD	Passed MD	Date 24/08/2007

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7. BOREHOLE LOGS

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Borehole No

BH101

Project

26 - 28 Rochester Place, Camden, NW1

Job No 07/2035	Date Started 17/08/07	Ground Level (mOD) 31.45	Co-Ordinates E 529241.7 N 184399.5	Final Depth 35.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 1 of 4

PROGRESS			STRATA			SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result	
17/08/07		Dry	31.12		0.33	Tarmac over concrete.	0.35	T01		
						Brick rubble in a sandy clay matrix.	0.35	T02		
			31.05		0.40	(MADE GROUND)	0.35	J03		
					(0.90)	Orangey brown CLAY with fine to coarse angular to subrounded flint gravel with pockets of decayed organic matter, glass and brick fragments. (MADE GROUND)	0.35	V04		
							0.35	D05		
							0.50	B06		
							0.70	T07		
17/08/07	1.50	Dry	30.15		1.30	Firm, orangey brown CLAY.	0.70	T08		
							0.70	J09		
							0.70	V10		
							0.70	D11		
						... becoming stiff orangey brown mottled bluish grey with occasional pockets of orange sand and claystone fragments at 2.00m	1.00-1.45	B12	N6	1, 1 / 2, 1, 1, 2
							1.00	D13		
							1.50	U14	22 blows	
							2.00-2.45	U14		
							2.45	D15		
							3.00-3.45	D16	N9	1, 2 / 2, 2, 3, 2
							3.00			
						... with pockets of yellowish brown sandy clay at 3.50m	3.50	D17		
							4.00-4.45	U18	25 blows	
							4.45	D19		
					(7.20)		5.00-5.45	D20		
							5.00	N13		2, 3 / 3, 3, 3, 4
							5.50	D21		
						... becoming brown at 6.00m and with pockets of selenite crystals between 6.00m and 10.00m	6.00-6.45	U22	34 blows	
							6.45	D23		
							7.00-7.45	D24	N17	3, 3 / 4, 4, 4, 5
							7.00			
							7.50	D25		
							8.00-8.45	U26	42 blows	
							8.45	D27		
			22.95		8.50	Stiff, greyish brown CLAY.	9.00-9.45	D28	N22	4, 5 / 5, 6, 5, 6
							9.00			
							9.50	D29		
						... becoming fissured at 10.00m	10.00-10.45	U30	50 blows	
							10.45	D31		

Chiselling (m)			Water Added (m)			GENERAL REMARKS
From	To	Hours	From	To		
						1. An inspection pit was hand excavated to 1.20m below ground level, prior to boring commencing.
						2. 150mm casing used from ground level to 1.50m below ground level.
						3. 50mm monitoring well installed at 4.00m below ground level, slotted between 0.50m and 4.00m depth.

Issue No. 03

Driller DW



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Borehole No

BH101**Project****26 - 28 Rochester Place, Camden, NW1**

Job No 07/2035	Date Started 17/08/07 Date Completed 20/08/07	Ground Level (mOD) 31.45	Co-Ordinates E 529241.7 N 184399.5	Final Depth 35.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 2 of 4

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
							11.50-11.95 11.50	D32	N23	4, 6 / 5, 6, 6, 6	
							12.25	D33			
						... with occasional cream flecks at 13.00m	13.00-13.45 13.45	U34 D35	47 blows		
							14.50-14.95 14.50	D36	N25	5, 6 / 6, 6, 7, 6	
						... with a band of claystone between 15.30m and 15.50m	15.50	D37			
							16.50-16.95 16.50	D38	N30	6, 6 / 7, 8, 7, 8	
						... with a band of claystone between 17.10m and 17.25m	17.50	D39			
							18.50-18.95 18.50	D40	N35	5, 6 / 8, 9, 9, 9	
							19.50	D41			
							20.50-20.95 20.50	D42	N35	6, 7 / 8, 8, 9, 10	
							21.50	D43			
					(26.50)						

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	
15.30 17.10	15.50 17.25	00.15.00 00.15.00			

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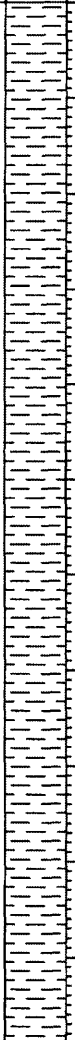
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Borehole No

BH101**Project****26 - 28 Rochester Place, Camden, NW1**

Job No 07/2035	Date Started 17/08/07 Date Completed 20/08/07	Ground Level (mOD) 31.45	Co-Ordinates E 529241.7 N 184399.5	Final Depth 35.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 3 of 4

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
17/08/07 20/08/07	1.50 1.50	Dry Dry					22.50-22.95 22.50	D44	N41	7, 7 / 9, 10, 10, 12	
							23.50	D45			
							24.50-24.95 24.50	D56	N41	7, 9 / 9, 10, 10, 12	
							25.30	D57			
							26.50-26.95 26.50	D58	N45	7, 9 / 11, 10, 12, 12	
							27.50	D59			
							28.00-28.35 28.35	U60 D61	70 blows		
							29.50-29.95 29.50	D62	N50/ 0.275	7, 10 / 10, 13, 14, 13	
							30.25	D63			
							31.00-31.45 31.45	U64 D65	85 blows		
							32.50-32.95 32.50	D66	N49	8, 9 / 10, 11, 13, 15	
							33.00	D67			

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	

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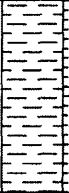
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Borehole No

BH101**Project****26 - 28 Rochester Place, Camden, NW1**

Job No 07/2035	Date Started 17/08/07 Date Completed 20/08/07	Ground Level (mOD) 31.45	Co-Ordinates E 529241.7 N 184399.5	Final Depth 35.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 4 of 4

PROGRESS			STRATA			SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No		
20/08/07	1.50	Dry	-3.55		35.00	... becoming hard with pockets of orangey brown sandy clay and bioturbation at 33.50m	33.50-33.95	U68	85 blows	9, 10 / 11, 13, 13, 12
							33.95	D69		
						... with pockets of yellowish brown sandy clay at 34.50m	34.50-34.95 34.50	D70	N49/ 0.275	
						End of Borehole				

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	

Issue No. 03

Driller DW



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Borehole No

BH102**Project****26 - 28 Rochester Place, Camden, NW1**

Job No 07/2035	Date Started 15/08/07	Ground Level (mOD) 31.57	Co-Ordinates E 529225.8 N 184420.7	Final Depth 31.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 1 of 3

PROGRESS			STRATA			SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result	
15/08/07		Dry	31.42		0.15	Concrete.	0.20	B01		
			31.12		0.45	Brick and concrete rubble. (MADE GROUND)	0.25	T02		
							0.25	T03		
							0.25	J04		
						Brown sandy CLAY with brick fragments. (MADE GROUND)	0.25	V05		
							0.25	D06		
			30.32		1.25		0.50	B07		
							0.75	T08		
15/08/07	1.70	Dry	29.87		1.70	Orangey brown CLAY with some subangular to subrounded fine to coarse gravel, pockets of orange sand and chalk fragments. (MADE GROUND)	0.75	T09		
							0.75	J10		
							0.75	V11		
							0.75	D12		
						Firm, orangey brown slightly mottled bluish grey CLAY with occasional pockets of orange fine sand.	1.00-1.45	B13		
							1.00		N4	1, 0 / 1, 0, 1, 2
							1.50	D14		
							2.00-2.45	U15	30 blows	
							2.45	D16		
						... with a band of claystone between 3.00m and 3.15m	3.00-3.45	D17		
							3.00		N12	5, 5 / 3, 4, 3, 2
							3.50	D18		
							4.00-4.45	U19	35 blows	
							4.45	D20		
						... with pockets of yellowish brown sandy clay at 4.45m	5.00-5.45	D21		
							5.00		N11	2, 3 / 2, 3, 3, 3
							5.50	D22		
							6.00-6.45	U23	30 blows	
						... becoming stiff at 6.00m and with pockets of orange sand and selenite crystals between 6.00m and 8.00m	6.45	D24		
							7.00-7.45	D25		
							7.00		N21	2, 4 / 4, 5, 6, 6
							7.50	D26		
							8.00-8.45	U27	36 blows	
						... becoming fissured at 8.00m	8.45	D28		
							9.00-9.45	D29		
							9.00		N25	3, 4 / 5, 6, 7, 7
							9.50	D30		
			21.67		9.90		10.00-10.45	U31	40 blows	
						Stiff, greyish brown CLAY.	10.45	D32		

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	
3.00	3.15	00.15.00			
1. An inspection pit was hand excavated to 1.20m below ground level, prior to boring commencing. 2. 150mm casing used from ground level to 1.70m below ground level. 3. 50mm monitoring well installed at 4.00m below ground level, slotted between 0.50m and 4.00m depth. 4. The thread of the U100 tube taken at 28.00m below ground level snapped preventing recovery of the sample. Following a 2 hour recovery attempt which lead to the tube remains being pushed down into the hole, borehole was abandoned at 31.00m below ground level.					

Issue No. 03

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Borehole No

BH102

Project

26 - 28 Rochester Place, Camden, NW1

Job No 07/2035	Date Started 15/08/07 Date Completed 16/08/07	Ground Level (mOD) 31.57	Co-Ordinates E 529225.8 N 184420.7	Final Depth 31.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 2 of 3

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
							11.50-11.95 11.50	D33	N25	4, 4 / 5, 6, 7, 7	
							12.21	D34			
						... becoming very stiff at 13.00m	13.00-13.45 13.45	U35 D36	45 blows		
							14.50-14.95 14.50	D37	N29	4, 6 / 6, 7, 8, 8	
							15.25	D38			
							16.00-16.45 16.30	U39 D40	54 blows		
							17.30 17.50-17.95	D41	N29	6, 5 / 6, 8, 7, 8	
							18.25	D42			
						... with occasional pyrite nodules at 19.00m	19.00-19.45 19.45	U43 D44	60 blows		
					(21.10)		20.50-20.95 20.50	D45	N36	6, 7 / 8, 10, 9, 9	
							21.25	D46			
							22.00-22.45	U47	62 blows		

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	

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Borehole No

BH102

Project

26 - 28 Rochester Place, Camden, NW1

Job No 07/2035	Date Started 15/08/07 Date Completed 16/08/07	Ground Level (mOD) 31.57	Co-Ordinates E 529225.8 N 184420.7	Final Depth 31.00m
Client Breeze Holdings Ltd			Method/ Plant Used Cable Percussion	Sheet 3 of 3

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
15/08/07	1.70	Dry				... with occasional pockets of fine grey sand and shell fragments at 22.00m	22.45	D48			
16/08/07	1.70	Dry					23.50-23.95 23.50	D49	N37	7, 8 / 8, 10, 9, 10	
						... with occasional pockets of light brown slightly sandy clay at 24.25m	24.25	D50			
						... with pockets of grey sand and pyritised nodules at 25.00m	25.00-25.45 25.45	U51 D52	65 blows		
							26.50-26.95 26.50	D53	N44	8, 9 / 9, 11, 12, 12	
							27.25	D54			
							28.00 28.00	U55 B56		No Recovery	
							29.00-29.45 29.00	D57	N49	9, 8 / 10, 12, 14, 13	
						... with claystone at 29.75m	29.75	D58			
							30.50-30.95 30.50	D59	N50	8, 10 / 11, 12, 12, 15	
16/08/07	1.70	Dry	0.57		31.00	End of Borehole					

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	

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DW



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8. WINDOW SAMPLE LOGS

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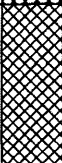
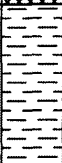
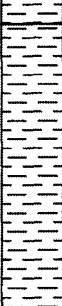
Borehole No

WS101

Project

26 - 28 Rochester Place, Camden, NW1

Job No 07/2035	Date Started 21/08/07 Date Completed 21/07/07	Ground Level (mOD) 32.36	Co-Ordinates E 529253.2 N 184426.2	Final Depth 5.00m
Client Breeze Holdings Ltd			Method/ Plant Used Drive Tube Sampler	Sheet 1 of 1

PROGRESS			STRATA			SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No		
21/08/07	0.00	Dry			(0.35)	Concrete.				
			32.01		0.35		0.40-1.40	B09		
					(0.25)	Dark brown sandy gravelly SILT with brick, concrete, clinker, glass and plastic fragments. (MADE GROUND)	0.60	T01		
			31.76		0.60		0.60	T02		
					(0.80)	Firm, dark brown mottled dark grey sandy CLAY with much angular to rounded fine to coarse flint gravel and occasional fine to medium gravel sized brick fragments. (MADE GROUND)	0.60	J03		
							0.60	V04		
21/08/07	1.00	Dry			(0.80)		1.00	T05		
							1.00	T06		
							1.00	J07		
							1.00	V08		
			30.96		1.40		1.40-3.00	B14		
					(0.90)	Stiff, brown occasionally mottled grey CLAY with some occasional flint gravel and pockets and lenses of cream occasionally cemented silt.	1.60		PP 130kPa	
							1.70	T10		
							1.70	T11		
							1.70	J12		
							1.70	V13		
							2.10		PP 130kPa	
			30.06		2.30	... with a band of claystone between 2.20m and 2.30m				
					(2.70)	Stiff, fissured dark brown mottled bluish grey CLAY with occasional pockets of dark orangey brown fine sand.	2.60		PP 125kPa	
							3.00	T15		
							3.00	T16		
							3.00	J17		
							3.00	V18		
							3.00-5.00	B19		
							3.10		PP 130kPa	
							3.60		PP 130kPa	
							4.10		PP 130kPa	
							4.60		PP 140kPa	
21/08/07	1.00	Dry	27.36		5.00	End of Borehole				

Chiselling (m)			Water Added (m)		GENERAL REMARKS
From	To	Hours	From	To	
					1. Surface concrete was diamond cored to 0.35m below ground level. 2. Hand auger was used to 1.20m below ground level for inspecting presence of underground services prior boring commencing. 3. 101mm casing used from ground level to 1.00m below ground level. 4. Borehole backfilled with bentonite pellets.

Issue No. 03	Driller LR	AGS
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CONCEPT SITE INVESTIGATIONS

8 Warple Mews, Warple Way
 London W3 0RF
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 E-mail: sl@conceptconsultants.co.uk



Borehole No

WS102

Project**26 - 28 Rochester Place, Camden, NW1**

Job No 07/2035	Date Started 22/08/07	Date Completed 22/08/07	Ground Level (mOD) 32.21	Co-Ordinates E 529236.2 N 184410.9	Final Depth 5.00m
Client Breeze Holdings Ltd			Method/ Plant Used Drive Tube Sampler		Sheet 1 of 1

PROGRESS			STRATA			SAMPLES & TESTS			Field Records	Instrument/Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result	
22/08/07	0.00	Dry	32.11		0.10	Concrete	0.20-0.40	T01		
					(0.35)	Dark brown gravelly SAND with brick, concrete, clinker, glass and plastic fragments. (MADE GROUND)	0.20-0.40	T02		
			31.76		0.45	Concrete	0.20-0.40	J03		
			31.56		0.65	Concrete	0.20-0.40	V04		
			31.31		0.90	Dark brown gravelly SAND with brick, concrete, clinker, glass and plastic fragments. (MADE GROUND)	0.20-0.40	B05		
22/08/07	1.00	Dry				Firm, dark brown mottled dark grey sandy CLAY with much angular to rounded fine to coarse gravel and occasional fine to medium gravel sized brick fragments. (MADE GROUND)	0.80-0.90	T06		
					(0.25)	... becoming brown below 1.00m	0.80-0.90	J07		
					(0.60)	... with some fine gravel sized pockets of decayed organic matter below 1.10m	0.90-1.00	D08		
			30.71		1.50	Firm, brown occasionally mottled grey CLAY with pockets and lenses of cream occasionally cemented silt.	1.00-1.20	T09		
						... becoming stiff and closely fissured below 2.00m	1.00-1.20	J10		
					(2.00)	... becoming mottled bluish grey with pockets of orange fine sand below 2.40m	1.00-1.20	V11		
						... with a band of light brown claystone between 2.90m and 3.30m	1.00-1.50	B12	PP 50kPa	
							1.50-1.70	T13		
							1.50-1.70	J14		
							1.50-1.70	V15		
							1.50-2.00	B16	PP 50kPa	
							2.00-3.00	B17	PP 110kPa	
							2.80		PP 125kPa	
							3.00-3.50	B18		
22/08/07	1.00	3.50	28.71		3.50	Stiff, fissured dark brown mottled bluish grey CLAY with occasional pockets of dark orangey brown fine sand.	3.50-5.00	B19	PP 112kPa	
					(1.50)		4.20		PP 125kPa	
							4.90		PP 125kPa	
22/08/07	1.00	4.70	27.21		5.00	End of Borehole				

Chiselling (m)			Water Added (m)			GENERAL REMARKS
From	To	Hours	From	To		
						1. An inspection pit was hand excavated to 1.20m below ground level, prior to boring commencing. 2. 101mm casing used from ground level to 1.00m below ground level. 3. Borehole backfilled with bentonite pellets.

Issue No. 03	Driller LR	
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CONCEPT SITE INVESTIGATIONS

8 Warple Mews, Warple Way
 London W3 0RF
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Borehole No

WS103**Project****26 - 28 Rochester Place, Camden, NW1**

Job No 07/2035	Date Started 21/08/07 Date Completed 21/07/07	Ground Level (mOD) 31.61	Co-Ordinates E 529228.5 N 184400.4	Final Depth 5.00m
Client Breeze Holdings Ltd			Method/ Plant Used Drive Tube Sampler	Sheet 1 of 1

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
21/08/07	0.00	Dry	31.51		0.10	Concrete.					
					(0.35)	Dark brown silty sandy GRAVEL with brick, concrete, clinker, glass and plastic fragments. (MADE GROUND)					
			31.16		0.45	Concrete					
			30.96		0.65	Dark brown silty sandy GRAVEL with brick, concrete, clinker, glass and plastic fragments. (MADE GROUND)	0.65-1.70	B09			
					(0.30)		0.85	T01			
							0.85	T02			
							0.85	J03			
							0.85	V04			
21/08/07	1.00	Dry	30.66		0.95	Firm, dark brown mottled dark grey sandy CLAY with much angular to rounded fine to coarse gravel and occasional fine to medium gravel sized brick fragments. (MADE GROUND)	1.25		PP 63kPa		
					(0.75)		1.30	T05			
							1.30	T06			
							1.30	J07			
							1.30	V08			
			29.91		1.70	Firm, brown occasionally mottled grey CLAY with occasional gravel and pockets and lenses of cream occasionally cemented silt.	1.70-5.00	B18	PP 75kPa		
							1.75				
					(1.30)		2.00	T10			
							2.00	T11			
							2.00	J12			
							2.00	V13	PP 88kPa		
							2.25				
			28.61		3.00	... with a band of claystone 2.90m and 3.00m	3.00				
						Stiff, fissured dark brown mottled bluish grey CLAY with occasional pockets of dark orange brown fine sand.					
					(2.00)						
							4.25		PP 120kPa		
							4.50	T14			
							4.50	T15			
							4.50	J16			
							4.50	V17	PP 140kPa		
							4.75				
21/08/07	1.00	Dry	26.61		5.00	End of Borehole					

Chiselling (m)			Water Added (m)			GENERAL REMARKS
From	To	Hours	From	To		
						1. An inspection pit was hand excavated to 1.20m below ground level, prior to boring commencing. 2. No recovery between 3.00m and 4m below ground level due to claystone obstruction in cutting shoe. 3. 101mm casing used from ground level to 1.00m below ground level. 4. Borehole backfilled with bentonite pellets.

Issue No. 03

Driller

LR



CONCEPT SITE INVESTIGATIONS

9. GAS & GROUNDWATER MONITORING RESULTS

CONCEPT

Gas Monitoring Results

[illegible]

CONCEPT

Gas Monitoring Results

[illegible]

CONCEPT

Gas Monitoring Results

[illegible]

CONCEPT

Gas Monitoring Results

JOB DETAILS					
Location:	Rochester Place			Engineer:	IP
Date:	23/10/2007	Job No:	07/2035	Time:	11:20

METEOROLOGICAL AND SITE INFORMATION

State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet		
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Strong
Cloud cover:	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Cloudy	<input type="checkbox"/>	Overcast
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Heavy
Barometric pressure (mb):	<input type="text" value="1023"/>		Air temperature (°C)			<input type="text" value="11°C"/>		

INSTRUMENTATION USED

Gas concentration:	Gas Data LMSxi G3.18, Accuracy: CH ₄ ±0.2% (0 to 5%), ±1.0% (at 30%), ±3.0% (at 100%); CO ₂ ±0.1% (0 to 10%), ±3.0% (at 40%); O ₂ ±0.5%
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CONCEPT

Gas Monitoring Results

JOB DETAILS						
Location:	Rochester Place				Engineer:	IP
Date:	01/11/2007	Job No:	07/2035	Time:	15:20	

METEOROLOGICAL AND SITE INFORMATION

State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet	
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate	<input type="checkbox"/> Strong
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy	<input type="checkbox"/> Overcast
Precipitation:	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate	<input type="checkbox"/> Heavy
Barometric pressure (mb):	1028		Air temperature (°C)		15°C		

INSTRUMENTATION USED

Gas concentration:	Gas Data LMSxi G3.18, Accuracy: CH ₄ ±0.2% (0 to 5%), ±1.0% (at 30%), ±3.0% (at 100%); CO ₂ ±0.1% (0 to 10%), ±3.0% (at 40%); O ₂ ±0.5%
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[illegible]

CONCEPT

Gas Monitoring Results

JOB DETAILS					
Location:	Rochester Place			Engineer:	IP
Date:	01/11/2007	Job No:	07/2035	Time:	15:40

METEOROLOGICAL AND SITE INFORMATION									
State of ground:	<input checked="" type="checkbox"/>	Dry	<input type="checkbox"/>	Moist	<input type="checkbox"/>	Wet			
Wind:	<input checked="" type="checkbox"/>	Calm	<input type="checkbox"/>	Light	<input type="checkbox"/>	Moderate			
Cloud cover:	<input type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input checked="" type="checkbox"/>	Cloudy		<input type="checkbox"/>	Strong
Precipitation	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Slight	<input type="checkbox"/>	Moderate		<input type="checkbox"/>	Overcast
Barometric pressure (mb):	<input type="text" value="1028"/>					Air temperature (°C)	<input type="text" value="15°"/>		Heavy

INSTRUMENTATION USED	
Gas concentration:	Gas Data LMSxi G3.18, Accuracy: CH ₄ ±0.2% (0 to 5%), ±1.0% (at 30%), ±3.0% (at 100%); CO ₂ ±0.1% (0 to 10%), ±3.0% (at 40%); O ₂ ±0.5%

[illegible]

CONCEPT SITE INVESTIGATIONS

10. LABORATORY TEST RESULTS

CONCEPT SITE INVESTIGATIONS

Site Name:	Rochester Place	Job No.	07/2035
Client:	Breeze Holdings Ltd	Date:	12/10/07



Determination of Moisture Content and Liquid and Plastic Limits


Borehole	Sample	Sample	Depth	Description	Natural Moisture Content %	Passing 425 µm sieve %	Liquid Limit %	Plastic Limit %	Plasticity Index %
No	Type	No.	m						
BH101	D	69	33.95	Greyish brown CLAY with pockets of orangey brown sandy clay and occasional decayed root fragments (1mm)	24		78	21	57
BH101	D	70	34.50	Greyish brown slightly sandy CLAY with pockets of yellowish brown sandy clay	20				
BH102	D	14	1.50	Orangey brown CLAY with fine to coarse subangular to rounded gravel with chalk fragments and pockets of orange sandy clay	21	85	71	20	51
BH102	D	16	2.45	Orangey brown CLAY with pockets of yellowish brown sandy clay and pockets of light grey clay	26	100	72	22	50
BH102	D	18	3.50	Brown CLAY with pockets of yellowish brown sandy clay	30	100	79	23	55
BH102	D	20	4.45	Brown CLAY with pockets of yellowish brown sandy clay	31	100	82	24	58
BH102	D	22	5.50	Brown CLAY with pockets of yellowish brown sandy clay	31	100	81	25	57
BH102	D	24	6.45	Brown CLAY with sellinite crystals	31	100	81	24	58
BH102	U	27	8.00	Brown mottled orangey brown fissured CLAY with pockets of orange sand and selenite crystals	27				
BH102	D	32	10.45	Brown CLAY	26	100	70	22	48
BH102	D	33	11.50	Brown CLAY with pockets light brown slightly sandy clay	27				
BH102	D	36	13.45	Brown slightly gravelly CLAY	26	100	71	24	47
BH102	D	38	15.25	greyish brown CLAY with pockets of light brown slightly sandy clay	28				
BH102	D	41	17.50	Greyish brown CLAY	24	100	75	23	53
BH102	D	44	19.45	Greyish brown CLAY with pockets of yellowish brown sandy clay	23				
BH102	U	47	22.00	Greyish brown CLAY with occasional pockets of fine grey sand and shell fragments	24				
BH102	D	50	24.25	Greyish brown CLAY with occasional pockets of light brown slightly sandy clay	26	100	66	23	43

BS 1377: Part 2: Clause 4.4: 1990 Determination of the liquid limit by the cone penetrometer method.
 BS 1377: Part 2: Clause 5: 1990 Determination of the plastic limit and plasticity index.
 BS 1377: Part 2: Clause 3.2: 1990 Determination of the moisture content by the oven drying method






CONCEPT SITE INVESTIGATIONS					Undrained Triaxial Compression					Date:		12-Oct-07	
Unit 8 Warple Mews Warple Way, London W3 0RF Tel: 020 8811 2880/Fax: 020 8811 2881					BS 1377 : Part 7: 1990 Clause 8					Job No.		07/2035	
Site Location: Rochester Place					Client: Breeze Holding Ltd								
BH No.	Sample No.	Sample Type	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH101	14	U	2.00	Stiff, orangey brown mottled bluish grey CLAY with occasional pockets of orange sand and claystone fragments (20mm)	85	11.6	2.018	1.591	27	175	87	Plastic	
BH101	18	U	4.00	Stiff, orangey brown mottled bluish grey CLAY	150	14.8	1.938	1.496	30	158	79	Plastic	
BH101	22	U	6m	Stiff, Brown CLAY with occasional pockets of selenite crystal	205	7.3	1.962	1.509	30	194	97	Brittle	
BH101	26	U	8.00	Stiff, greyish brown slightly sandy CLAY with pockets of selenite and orange fine sand	330	6.3	1.966	1.519	29	241	121	Brittle	
BH101	30	U	10.00	Stiff, brown fissured CLAY with orangey sand in fissures and occasional selenite crystals	330	7.3	1.990	1.569	27	230	115	Brittle	
BH101	34	U	13.00	Stiff, brownish grey CLAY with occasional cream flecks	415	4.1	1.995	1.563	28	291	146	Brittle	
BH101	60	U	28.00	Hard, fissured brownish grey slightly sandy CLAY	780	3.1	2.034	1.638	24	676	338	Brittle	
BH101	64	U	31.00	Very stiff, very fissured brownish grey CLAY	850	11.3	1.975	1.556	27	411	206	Brittle	
BH101	68	U	33.50	Hard, fissured sandy CLAY with bioturbation	910	10.0	1.858	1.529	21	676	338	Plastic/Brittle	



CONCEPT SITE INVESTIGATIONS				Undrained Triaxial Compression BS 1377 : Part 7: 1990 Clause 8								Date:	16-Oct-07
Unit 8 Warple Mews Warple Way, London W3 0RF Tel: 020 8811 2880/Fax: 020 8811 2881												Job No.	07/2035
Site Location: Rochester Place				Client: Breeze Holdings Ltd									
BH No.	Sample No.	Sample Type	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH102	15	U	2.00	Firm, orangey brown mottled slightly bluish grey CLAY with occasional pockets of fine orange sand	85	18.2	1.998	1.567	27	117	58	Plastic	
BH102	18	U	4.00	Firm, brown mottled bluish grey CLAY with pockets of orange sand	150	9.8	1.987	1.535	29	105	53	Brittle	
BH102	23	U	6.00	Stiff, brown fissured CLAY with fine orangey brown sand on fissures and occasional selenite crystals	205	7.8	1.940	1.505	29	197	98	Brittle	
BH102	27	U	8.00	Stiff, brown mottled orangey brown fissured CLAY with occasional pockets of orange sand and selenite cystals	270	7.1	1.984	1.563	27	229	115	Brittle	
BH102	31	U	10.00	Stiff, brownish grey CLAY	330	6.5	2.000	1.593	26	242	121	Brittle	
BH102	35	U	13.00	Very stiff, greyish brown fissured CLAY	415	3.8	1.974	1.558	27	284	142	Brittle	
BH102	39	U	16.00	Very stiff, fissured brownish grey CLAY	490	3.2	2.052	1.644	25	315	157	Brittle	
BH102	43	U	19.00	Very stiff, brownish grey, fissured sandy CLAY with occasional pyrite nodules (10mm)	570	3.2	2.013	1.664	21	361	180	Brittle	
BH102	47	U	22.00	Very stiff, brownish grey fissured CLAY with occasional pockets of fine grey sand and shell fragments	640	5.5	2.028	1.639	24	372	186	Brittle	
BH102	51	U	25.00	Very stiff, brownish grey fissured CLAY with occasional pockets of fine brown sand and pyritised wood fragment (40x 20mm)	710	4.8	2.032	1.598	27	303	151	Brittle	



11. CHEMICAL TEST RESULTS

19 September 2007

TEST REPORT

Our Report Number: 07-38177

Your Order Reference: Instructions of 04/09/2007

9 soil samples submitted for analysis on 03/09/2007

Project Name: Rochester Place

Project Code: 07/2035

Laboratory analysis started on 06/09/2007

All laboratory analysis completed by 19 September 2007

Sharon Googh
Project Co-Ordinator

ALCONTROL TECHNICHEM

Rexona Rahman
Analytical Reporting Manager
ALCONTROL TECHNICHEM

Test methods are documented in house procedures or where appropriate standard methods. Non accredited tests (if applicable) are identified on each page. Procedures for sampling are outside the scope of the laboratory UKAS accreditation. Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation. All samples connected with this report, including any 'on hold', will be stored and disposed of according to company policy. A copy of this policy is available on request.

ALcontrol Technichem Sample Description

Job Number: 07-38177

Matrix: Soil
Project Name: Rochester Place

Project Code: 07/2035[illegible]

ALcontrol Technichem Table Of Results

Job Number : 07-38177
Matrix : Soil
Project Code: 07/2035

Project Name: Rochester Place

Sample Reference	WS101	WS101	WS102	WS102	WS102			
Sample Depth (m)	0.60	1.70	0.80	1.0-1.20	1.50-1.70			
Date Sampled	-	-	-	-	-			
Date Scheduled	03/09/07	03/09/07	03/09/07	03/09/07	03/09/07			
Laboratory Reference No	259548	259549	259550	259551	259552			
Moisture Content (Dry Weight)	11.4	20.1	20.3	22.9	25.8		%	0.1
Moisture Content (Wet Weight)	10.2	16.8	16.9	18.6	20.5		%	0.1
Asbestos (Screen)	Absent	Absent	Absent	Absent	Absent	001a		
Antimony	< 2	< 2	< 2	< 2	< 2	069S™	mg/kg	2
Arsenic	19	7.3	6.5	14	6.9	069S™	mg/kg	3
Barium	82	89	190	81	88	069S™	mg/kg	10
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	069S™	mg/kg	0.5
Chromium	35	52	17	52	54	069S™	mg/kg	10
Copper	20	21	43	18	21	069S™	mg/kg	5
Lead	49	34	62	36	31	069S™	mg/kg	10
Mercury	< 0.6	0.9	0.6	0.9	0.9	069S™	mg/kg	0.6
Molybdenum	< 6	< 6	< 6	< 6	< 6	069S™	mg/kg	6
Nickel	10	37	28	18	38	069S™	mg/kg	4
Selenium	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	069S™	mg/kg	2.5
Sulphate (Total Acid Soluble) as SO4	770	530	3600	310	580	025a™	mg/kg	200
Zinc	43	74	230	56	78	069S™	mg/kg	10
W/S Chloride	17	32	380	49	68	073S™	mg/kg	10
Organic Carbon	0.51	0.14	15	0.38	0.35	092™	%	0.1
W/S Fluoride	< 1	3.7	< 1	2.9	5.7	073S	mg/kg	1
pH	8.1	8.2	10.4	8.6	9.0	084S™	pH Units	1
MTBE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
Benzene	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
Toluene	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
Ethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
m,p-Xylenes	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
o-Xylene	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
1,3,5-Trimethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
1,2,4-Trimethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	068S™	mg/kg	0.01
VPH Compounds (C6-C10)	< 0.01	< 0.01	0.14	< 0.01	< 0.01	068S	mg/kg	0.01

¹ ISO 17025 accredited.

² MCERTS accredited for sand, loam and clay.

ALcontrol Technichem Table Of Results

Matrix : Soil

Project Name: Rochester Place

[illegible]

^a MCERTS accredited for sand, loam and clay.

ALcontrol Technichem Table Of Results

Job Number : 07-38177
Matrix : Soil
Project Code: 07/2035

Project Name: Rochester Place

Sample Reference	WS103	WS103	BH101	BH102			
Sample Depth (m)	0.85	2.00	0.70	0.75			
Date Sampled	-	-	-	-			
Date Scheduled	03/09/07	03/09/07	03/09/07	03/09/07			
Laboratory Reference No	259553	259554	259555	259556			
Moisture Content (Dry Weight)	31.2	23.1	17.1	25.5		%	0.1
Moisture Content (Wet Weight)	23.8	18.7	14.6	20.3		%	0.1
Asbestos (Screen)	Absent	Absent	Absent	Absent		001a	
Antimony	3.0	< 2	< 2	< 2		069S TM	mg/kg 2
Arsenic	19	8.2	17	14		069S TM	mg/kg 3
Barium	120	250	73	110		069S TM	mg/kg 10
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5		069S TM	mg/kg 0.5
Chromium	55	53	39	45		069S TM	mg/kg 10
Copper	29	23	26	27		069S TM	mg/kg 5
Lead	91	81	110	88		069S TM	mg/kg 10
Mercury	1.1	1.0	0.9	1.0		069S TM	mg/kg 0.6
Molybdenum	< 6	< 6	< 6	< 6		069S TM	mg/kg 6
Nickel	24	45	13	20		069S TM	mg/kg 4
Selenium	< 2.5	< 2.5	< 2.5	< 2.5		069S TM	mg/kg 2.5
Sulphate (Total Acid Soluble) as SO4	850	630	880	1300		025a TM	mg/kg 200
Zinc	73	75	54	78		069S TM	mg/kg 10
W/S Chloride	62	56	75	18		073S TM	mg/kg 10
Organic Carbon	1.1	0.12	0.64	2.1		092 TM	% 0.1
W/S Fluoride	< 1	5.2	2.3	3.1		073S	mg/kg 1
pH	7.9	8.7	9.9	9.1		084S TM	pH Units 1
MTBE	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
Benzene	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
Toluene	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
Ethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
m,p-Xylenes	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
o-Xylene	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
1,3,5-Trimethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
1,2,4-Trimethylbenzene	< 0.01	< 0.01	< 0.01	< 0.01		068S TM	mg/kg 0.01
VPH Compounds (C6-C10)	0.013	< 0.01	< 0.01	< 0.01		068S	mg/kg 0.01

^T ISO 17025 accredited.

^M MCERTS accredited for sand, loam and clay.

ALcontrol Technichem Table Of Results

Job Number : 07-38177
Matrix : Soil
Project Code: 07/2035

Project Name: Rochester Place

[illegible]

¹ ISO 17025 accredited.

^H MCERTS accredited for sand, loam and clay.

ALcontrol Technichem Table Of Results

Project Name: Rochester Place

Job Number : 07-38177

Matrix : Soil

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Table Of Results

Project Code: 07/2035

Project Name: Rochester Place

[illegible]

¹ ISO 17025 accredited.

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**ALcontrol Technichem
EPH Description**

Job Number: 07-38177

Matrix: Soils
Project Name: Rochester Place

Project Code: 07/2035

Laboratory Reference No	Sample Reference	Sample Depth (m)	Date Sampled	EPH Description
259548	WS101	0.6	-	The sample chromatogram exhibits a hump of unresolved complex material eluting from C14 to beyond C40, overlain by several peaks unidentifiable by this analysis.
259549	WS101	1.7	-	The sample chromatogram exhibits too little GC-FID amenable material to provide qualitative analysis.
259550	WS102	0.8	-	The sample chromatogram exhibits a hump of unresolved complex material eluting from C10 to C40.
259551	WS102	1.0-1.20	-	The sample chromatogram exhibits a hump of unresolved complex material eluting from C16 to C38.
259552	WS102	1.50-1.70	-	The sample chromatogram exhibits too little GC-FID amenable material to provide qualitative analysis.
259553	WS103	0.85	-	The sample chromatogram exhibits a hump of unresolved complex material eluting from C14 to beyond C40.
259554	WS103	2.0	-	The sample chromatogram exhibits too little GC-FID amenable material to provide qualitative analysis.
259555	BH101	0.7	-	The sample chromatogram exhibits a hump of unresolved complex material eluting from C16 to C38.

**ALcontrol Technichem
EPH Description**

Job Number: 07-38177

**Matrix: Soils
Project Name: Rochester Place**

Project Code: 07/2035

Laboratory Reference No	Sample Reference	Sample Depth (m)	Date Sampled	EPH Description
259556	BH102	0.75	-	The sample chromatogram exhibits a hump of unresolved complex material eluting from C16 to C38.

ALcontrol Technichem Table Of Results - Appendix

Job Number : 07-38177

Project Name: Rochester Place

Project Code: 07/2035

Summary of methods contained within report :

068S	In-house method	Determination of Total Gasoline Range Organics Hydrocarbons (GRO) including BTEX and MTBE compounds by Headspace GC-FID (VPH).	W
022S	In-house method	Determination of PAH compounds in soil samples by hexane / acetone extraction followed by GC-MS detection	W
020S	In-house method based on Second Site Property: Environmental Assessment Guidance Version 3: March 2003	Determination of methanol/water based mobile phase extractable phenols in soil samples by HPLC with electrochemical detection	W
070S	In-house method	Determination of hexane/acetone extractable hydrocarbons in soil by gas chromatography with flame ionisation detection. Note: UKAS accreditation only applies to C10-C40 and excludes other carbon banding.	W
092	In-house method	Determination of organic content and organic carbon in soil samples by combustion analyser	D
084S	In-house method referencing BS1377: Part 3: 1990 and Second Site Property: Environmental Assessment Guidance Version 3: March 2003	Determination of pH by addition of water followed by electrometric measurement	D
073S	In-house method based on BS1377 Part 3, "Chemical and Electrochemical Tests", 1990	Determination of water soluble anion content in soils using a 2:1 water:soil extration ratio followed by ion chromatographic determination with electrical conductivity detector	D
069S	In-house method based on MEWAM "Methods for the Determination of Metals in Soil", HMSO, 1986	Determination of metals in soil samples by aqua-regia digestion followed by ICP-OES detection	D
025a	In-house method based on BS1377 Part 3, "Chemical and Electrochemical Tests", 1990	Determination of hydrochloric acid soluble sulphate in soil samples by Inductively Coupled Plasma - Optical Emission Spectrometry (ICP-OES)	D

ALcontrol Technichem Table Of Results - Appendix

Job Number : 07-38177

Project Name: Rochester Place

Project Code: 07/2035

Summary of methods contained within report :

			Method Number
068S	In-house method	Visual screening of soil samples for fibrous material requiring further identification according to method 001 (note for samples > approximately 1kg it may be necessary to sub-sample prior to screening)	
022S	In-house method	For all samples, a moisture correction factor is applied to the wet weight result. This factor is	
020S	In-house method based on Second Site Property: Environmental Assessment Guidance Version 3: March 2003		
070S	In-house method		
092	In-house method		
084S	In-house method referencing BS1377: Part 3: 1990 and Second Site Property: Environmental Assessment Guidance Version 3: March 2003		
073S	In-house method based on BS1377 Part 3, "Chemical and Electrochemical Tests", 1990		
069S	In-house method based on MEWAM "Methods for the Determination of Metals in Soil", HMSO, 1986		
025a	In-house method based on BS1377 Part 3, "Chemical and Electrochemical Tests", 1990		