CONCEPT

# SITE INVESTIGATION REPORT

46 Avenue Road London NW8 6HS

**ISSUE 01** 

# SITE INVESTIGATION REPORT

46 Avenue Road London NW8 6HS

Prepared for: Brightwood Properties Limited

Concept: 11/2390- FR 01

15/08/2011

Unit 8, Warple Mews, Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 e-mail: <u>si@conceptconsultants.co.uk</u> www.conceptconsultants.co.uk

	DOCUMENT ISSUE REGISTER										
Job Title:	**************************************		46 Avenue R	load, London							
Job Number:			11/2390								
Document Type	e:		Factual Site	Investigation	Report						
Document Ref:	Status/Issue No.	Date	Amendment F	Record (Detail)							
112390/FR-01	Issue 01	15/08/2011		***********	MINUTURA,						
×				Prepared By:	Checked By:	Approved By:					
			Name	J Fokt	J Selway	J Roberts					
			Signature	four	Allin/						
Document Ref:	Status/Issue No.	Date	Amendment R	Record (Detail)	Mar L						
				Prepared By:	Checked By:	Approved By:					
			Name								
			Signature								
Document Ref:	Status/Issue No.	Date	Amendment R	lecord (Detail)		·					
				Prepared By:	Checked By:	Approved By:					
			Name								
			Signature								
Document Ref:	Status/Issue No.	Date	Amendment R	ecord (Detail)	L						
				Prepared By:	Checked By:	Approved By:					
			Name								
			Signature								

Unit 8, Warple Mews, Warple Way, London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 e-mail: si@conceptconsultants.co.uk

# CONTENTS

- 1. PROJECT PARTICULARS
- 2. SCOPE OF WORKS
- 3. 3. DESCRIPTION OF WORKS
  - 3.1 Cable Percussion Boreholes
  - 3.2 Standpipe Installations
  - 3.3 Logging / Laboratory Testing
  - 3.4 Setting Out
- 4. SITE LOCATION PLAN
- 5. EXPLORATORY HOLE LOCATION PLAN
- 6. CABLE PERCUSSION BOREHOLE LOGS
- 7. GROUNDWATER MONITORING RESULTS
- 8. LABORATORY TEST RESULTS
- 9. CHEMICAL TEST RESULTS

## 1. PROJECT PARTICULARS

Site Location:	46 Avenue Road, London NW8 6HS
Client:	Brightwood Properties Limited
Engineer:	RDK Consultant Ltd
Date of Fieldwork:	06/07/2011 - 08/07/2011

## 2. SCOPE OF WORKS

- 3 No Cable Percussion Boreholes to a maximum depth of 25.00m
- Geotechnical and Chemical Laboratory Testing

## 3. 3. DESCRIPTION OF WORKS

## 3.1 Cable Percussion Boreholes

3 No. Cable Percussion Boreholes (BH01, BH02 & BH03) were drilled to a maximum depth of 25.00m below existing ground level using standard cable percussion boring techniques with 150mm diameter equipment. Inspection pits to locate potential underground services were hand excavated to 1.20m prior to boring commencing.

Bulk samples were taken in the made ground and granular material. Undisturbed 102mm nominal diameter (U102) samples were taken in cohesive material when possible using a down-hole sliding hammer at 3.00m intervals.

Standard penetration tests (SPT) were carried out at 3.00m intervals following each undisturbed sample. The resulting SPT N values are presented in the relevant borehole records. Where an SPT using the split shoe sampler was not possible, because of the granular nature of the material, a solid cone was used.

Small, disturbed samples were either retrieved from the cutting shoe or material was collected within the SPT split spoon sampler. Small disturbed samples were also collected between the SPT and the following attempt for an undisturbed sample. Plastic tubs, borosilicate jars and vial samples for chemical analysis were taken at each change in strata and where visual or olfactory evidence of contamination was noted or as instructed by the Engineer.

Groundwater observations, carried out during the fieldworks are reported in the relevant borehole log presented in Section 6.

# 3.2 Standpipe Installations

Monitoring standpipes were installed in boreholes as follows:

	Diameter of Installation	Type of Installation	Base (m bgl)	Top RZ (m bgl)	Bottom RZ (m bgl)
BH01	50mm	GW	8.00	1.00	8.00
BH02	50mm	GW	8.00	1.00	8.00
BH03	50mm	GW	10.00	1.00	10.00

GW - Groundwater standpipe,

RZ – Response Zone

## Table 3.1 Monitoring Installation Details

Groundwater monitoring was carried out by Concept subsequent to completion of the site works. Monitoring results are presented in Section 7 of this report.

## 3.3 Logging / Laboratory Testing

Logging of all soil samples was carried out in accordance with BS 5930:1999 incorporating Amendment No.2 (Aug '10).

All geotechnical testing is performed at Concept Site Investigations laboratory in accordance with BS1377:1990 unless otherwise stated in the report. Concept is accredited by UKAS for tests where the UKAS logo is appended to the individual test report or summary. Approved signatories for laboratory testing are as follows:

- JR Jon Roberts (Quality Manager)
- KM Kasia Mazerant (Laboratory Manager)
- JF Justyna Fokt (Senior Laboratory Technician)

Where subcontracted analysis has been carried out, the details of the laboratory (and accreditation where applicable) are shown in the individual test report or summary.

The laboratory test results are presented in tabular formats in Section 8 of this report.

All chemical testing has been carried out by Scientifics in accordance with the requirements of UKAS ISO17025 and ISO17020. The results are presented in tabular format in Section 9 of this report.

## 3.4 Setting Out

The locations of all exploratory holes and the trial pits were agreed with the Engineer and set out prior to commencement of the site works.

The locations of the boreholes and trial pits are shown in the Exploratory Hole Location Plan in Section 5 of this report.

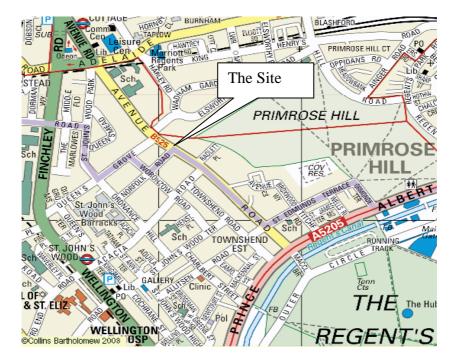
## REFERENCES

**British Standards Institution, (1999)** Code of practice for site investigations, British Standard BS 5930: 1999 incorporating Amendment No.2 (Aug '10), BSI, London

British Standards Institution, (2001) Investigation of potentially contaminated sites, British Standard BS10175: 2001, BSI, London.

**Specification for Ground Investigation, (1999)** Site Investigation Steering Group, Thomas Telford, London

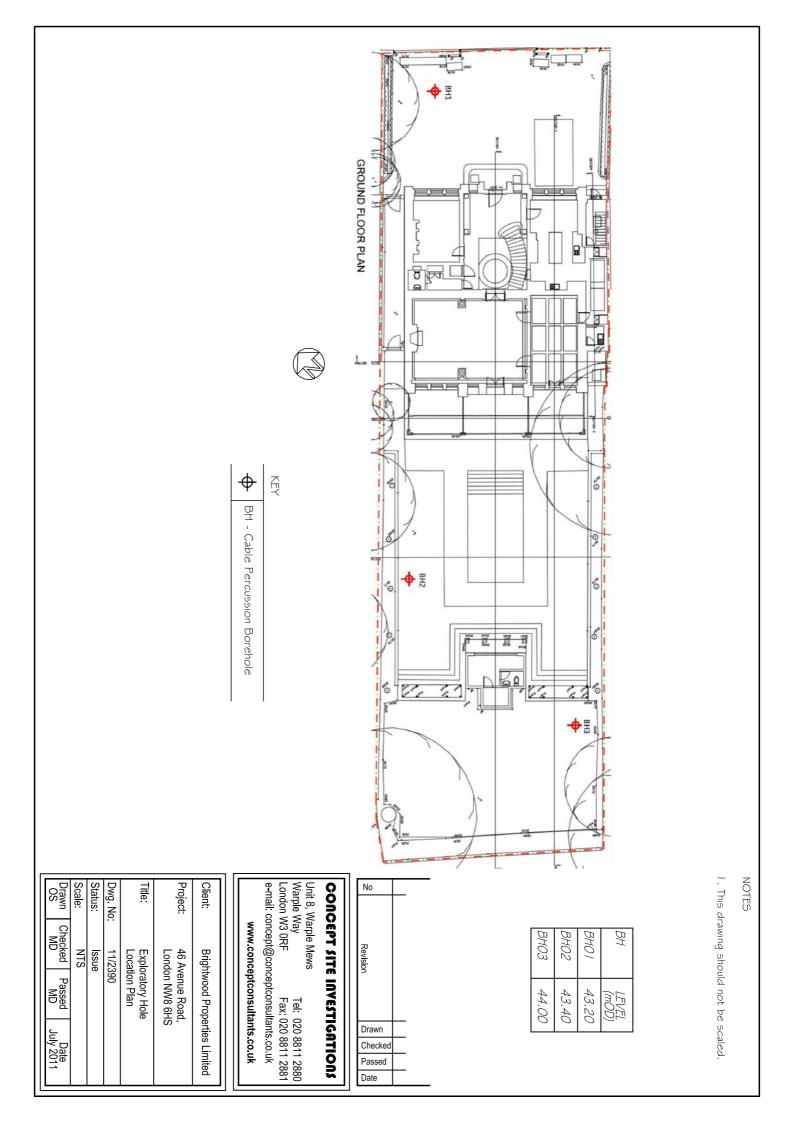
British Geological Survey (1996) London and the Thames Valley 4th Edition, London HMSO



## 4. SITE LOCATION PLAN

Not to Scale © Crown Copyright reserved

# 5. EXPLORATORY HOLE LOCATION PLAN



# 6. CABLE PERCUSSION BOREHOLE LOGS

8 Warple London W Telephone	Mews, \ /3 0RF e: 020 8	Warple 1 8811 288		20 8811 28		SATIONS		UKAS UKAS SYSTEMS 001		KAS WAGEMENT 9001	Borehole No BH01	
Project 46	6 Ave	enue	Road	, Lond	don NV	W8 6HS						
Job No 11	/239		ate Start ate Com		05/07/11 06/07/11	· · · ·				Fi	inal Depth 25.00m	
Client Bi	rightv	wood	Prope	erties L	imited		Method/ Plant Used	Cable Pe	rcussio		neet 1 of 3	
PRC	)GRF	SS			ST	<b>TRATA</b>		SAMPL	ES & 1	TESTS		ent/
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	on	Depth (m)	Type No	Test Result	Field Records	ZInstrument/ ZBackfill
5/07/11 5/07/11 6/07/11	2.80	Dry Dry Dry	43.07 42.85 42.45 42.10 40.70		0.13 0.35 0.75 1.10 (1.40)	Granite paving over coarse sand (MADE GROUND) Type 1 gravel. (MADE GROUND) Brown gravelly CLAY with bri concrete fragments. (MADE GROUND) Greyish brown mottled orange : slightly gravelly CLAY with fri and rare concrete fragments. Gi- subangular to rounded fine to c (MADE GROUND) Firm, brown slighty sandy sligh CLAY with occasional black fl cream highly calcareous silt no (10x10mm). Stiff, extremely closely fissured with rare bluish grey staining al and rootlet tracks. (LONDON CLAY FORMATIC with rare pockets of orangish orange slightly sandy silt (50x6 4.00m with occasional selenite crys becoming mottled bluish gre 5.00m with occasional selenite crys	ck and slightly sandy equent brick ravel is oarse gravel. ttly silty ecks and dules l brown CLAY ong fissures DN) brown and Omm) below tals at 4.50m y and silty at	$\begin{array}{c} 0.50\\ 0.50\\ 1.00\\ 1.50-1.95\\ 2.00\\ 2.50\\ 3.00-3.45\\ 3.00\\ 4.00\\ 4.50-4.95\\ 5.00\\ 5.50\\ \end{array}$	B01 ES02 D03 U04 D05 D06 D07 D08 U09 D10 D11	24 blows N6 32 blows	1 / 1, 2, 1, 2 Rare rootlets of live appearance	
						becoming slightly sandy with selenite crystals at 6.00m becoming brown below 7.00n		6.00-6.45 6.00 7.00 7.50-7.95	D12 D13 U14	N18 42 blows	2, 2 / 4, 4, 4, 6	
						with occasional pockets of or silt (5x5mm) below 8.00m	angish brown	8.00 8.50 9.00-9.45 9.00	D15 D16 D17 D18	N22	2, 3 / 4, 6, 6, 6	
Cł	niselling	g (m)	·	Water A	.dded (m)	GENERAL REMAI	RKS	L	1			
From	To		Hours	From	To	1. An inspection pit was 2. Ø150mm casing used 3. Ø50mm monitoring w 4. Borehole backfilled w between 8.00m and 1.00 stopcock cover installed	hand excavated t from ground leve ell installed at 8. ith bentonite pell m and with bento	el to 2.80m belo 00m depth, slot lets between 25. onite pellets from	w ground tted betwe .00m and m 1.00m t	level. en 1.00m ; 8.00m, pea	and 8.00m depth. a shingle with geosoc	
Issue N	lo. 02		I		1	Driller					AGS	NATION OF DESTROYING

8 Warple Mews, Warple Way London W3 0RF Telephone: 020 8811 2880\_Fax: 020 8811 2881 E-mail: si@conceptconsultants.co.uk



	rightwo	Job No 11/2390 Date Started Date Completed Client Brightwood Properties			05/07/11         Ground Level (mOD)         Co-O           06/07/11         43.20         Meth           imited         Plant         Plant					Sh	Final Depth 25.00m Sheet		
	_		Prope	rties L			Cable Per	·cussio	n	2 of 3			
ate		_		1		<b>TRATA</b>	RATA		SAMPLES & TES		<b>S</b> Field		
	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	on	Depth (m)	Type No	Test Result	Records	Instrument/	
					-	becoming greyish brown with bioturbation at 10.00m	n occasional	10.50-10.95	U19	44 blows			
				 	-			11.00	D20				
				 	-			11.50	D21				
								12.00-12.45	D22	N25	3, 3 / 5, 6, 6, 8		
					-	becoming slightly micaceous	below	13.00	D23				
					-	13.00m		13.50-13.95	U24	70 blows			
					(22.50)			14.00	D25				
				 	-			14.50	D26				
					- - - - - - -			15.00-15.45	D27	N27	3, 4 / 6, 6, 7, 8		
					- - - - -	becoming brownish grey slig with occasional bioturbation at	htly sandy	16.00	D28				
					-	with occasional bioturbation at	16.00m	16.50-16.95	U29	74 blows			
					- - - -	with pockets of dark grey fin	e silty sand	- 17.00	D30				
					-	(50x70mm) at 17.00m		17.50	D31				
						with pockets of dark grey and fine silty sand (10x10mm) at 13	d light brown 8.00m	18.00-18.45	D32	N30	4, 5 / 6, 7, 8, 9		
								19.00	D33				
								- 19.50-19.95 19.50-20.00	U34 B35	100 blows	No Recovery		
					-	with a band of claystone betw and 19.80m	ween 19.55m	- 20.00-20.45	U36	80 blows			
Ch om	hiselling (1 To		ours	Water A From	Added (m) To	GENERAL REMAI	RKS						

8 Warple Mews, Warple Way London W3 0RF Telephone: 020 8811 2880\_Fax: 020 8811 2881 E-mail: si@conceptconsultants.co.uk



**Borehole No** 

			wix								
Project 46 A	veni	ie Road	l. Lon	don NV	V8 6HS						
Job No		Date Star		05/07/11	Ground Level (mOD)	Co-Ordinat	tes		Fi	nal Depth	
11/23		Date Con		06/07/11	43.20					25.00m	
Client Brigł	ntwo	od Prop	erties L	imited		Method/ Plant Used Cable P			n Sh	eet 3 of 3	
PROGE				ST	RATA		SAMPL	.ES & 7	TESTS		ent/
Date Date	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description		Depth (m)	Type No	Test Result	Field Records	Instrument/ Backfill
06/07/11 2.80	) Dr	y <u>18.20</u>		25.00 dded (m)	becoming very closely fissur 20.00m with shell inprint (10x20mm) 20.50m with pockets of dark grey fin (20x25mm) at 24.50m End of Borehole GENERAL REMAN	) below e silty sand	20.50 21.00 21.50-21.95 21.50 22.50 23.00-23.45 23.50 24.00 24.50-24.95 24.50	D37 D38 D39 D40 U41 D42 D43	N35	3, 4 / 7, 8, 9, 11 4, 6 / 7, 9, 10, 12	
Issue No.	<b>)</b>				Driller					AGS	SSOCIATION OF DESTROYMENT & RECEIVERONMENTAL SPECIALISTS

8 Warple Mews, Warple Way London W3 0RF Telephone: 020 8811 2880\_Fax: 020 8811 2881 E-mail: si@conceptconsultants.co.uk



**Borehole No** 

Job No 11	1/2390		ate Start ate Com		07/07/11 08/07/11	· · · ·	Co-Ordinates			Fi	Final Depth 8.00m		
Client B	rightv	vood	Prope	rties L	imited	·	Method/ Plant Used		rcussio		heet 1 of 1		
PRO	OGRE	SS			ST	TRATA	ATA		SAMPLES & TEST			ent/	
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	on	Depth (m)	Type No	Test Result	Field Records	<i>⊠</i> Instrument/	
7/07/11 7/07/11		Dry	43.12 43.04 42.45 42.10		0.28 0.36 (0.59) 0.95	Turf over brown silty SAND. (MADE GROUND) Pea shingle. (MADE GROUND) Brown silty gravelly CLAY with plastic fragments. (MADE GROUND)	/	0.50 0.50 1.00	ES01 B02 D03 ES04				
/07/11	1.80	Dry	42.10			Soft, brown locally grey CLAY cream silt nodules (2x2mm). Firm, brown mottled bluish grey rare pockets of orangish brown (10x20mm). (LONDON CLAY FORMATIC	y CLAY with silt	2.00 2.50	U05 D06 D07	22 blows			
					-	with rare pockets of reddish (10x20mm), pockets of light br sand (10x5mm) rare selenite cr 3.00m	own fine silty	3.00-3.45 3.00 4.00	D08	N11	1, 2 / 1, 2, 3, 5		
					(6.70)	becoming rarely mottled blui occasional selenite crystals and flecks at 4.00m becoming extremely closely pyrite nodules (5x10mm) at 4.5 with bluish grey staining alor	rare black fissured with 0m	4.50-4.95	U10 D11	44 blows	Rootlets of live		
					-	becoming bluish brown sligh with rare selenite crystals below	n tly micaceous	5.50 6.00-6.45 6.00	D12 D13	N16	appearance encountered at 5.00m depth 2, 2 / 3, 3, 5, 5		
					-		-	- 7.00	D14				
8/07/11	1.80	Dry	35.40		8.00	End of Borehole		8.00	U15 D16	62 blows			
C	hiselling To		Hours	Water A From	added (m)	GENERAL REMAI 1. An inspection pit was 2. Ø150mm casing used 1 3. Water seepage encoun 4. Ø50mm monitoring w 5. Borehole backfilled wi pellets from 1.00m to 0.3 level.	hand excavated to from ground leve tered at 0.70m be ell installed at 8.0 ith pea shingle wi	l to 1.80m belo elow ground lev 00m depth, slot ith geosoc betw	w ground vel, standi ted betwe veen 8.00r	level. ng at 0.62n en 1.00m a n and 1.00r	n depth. Ind 8.00m depth. n and with bentonite	d	

8 Warple Mews, War London W3 0RF	1 2880_Fax: 020 8811 2		ATIONS	UKAS WINGAN UKAS UKAS UKAS UKAS UKAS	
Project 46 Aven	ue Road, Lon	don NV	V8 6HS		
Job No 11/2390	Date Started Date Completed	06/07/11 07/07/11	Ground Level (mOD) 44.00	Co-Ordinates	



U KAS MANAGEMENT SYSTEMS

001

Job No 11/2390		ate Started ate Completed	06/07/11 07/07/11	( )	Co-Ordinat	es			nal Depth 15.00m		
Client Brightw	vood	Properties L	imited		Method/ Plant Used Cable Percussion				Sheet 1 of 2		
PROGRES	SS		ST	TRATA	ATA		ES & T	ESTS	ГS		
Date Casing	Water	Level (mOD) Legend	Depth (Thickness)	Strata Description	on	Depth (m)	Type No	Test Result	Field Records	Instrument/ Backfill	
06/07/11 06/07/11 07/07/11	Dry Dry Dry Dry	(mOD) Legenia 43.89 43.64 43.64 43.53 	(14.53)	Turf over brown sandy CLAY. (TOPSOIL) Brown gravelly CLAY with bri (MADE GROUND) Firm, brown mottled orangish b sandy CLAY with occasional sand to fine iron stained nodules at 1.50m becoming locally mottled blu occasional pockets of orangish 1 (25x30mm) at 2.50m becoming extremely closely rare pockets of orange silt and I fine silty sand (10x5mm) below becoming brown below 5.50n with rare reddish brown stair with rare reddish brown stair with occasional selenite cryss with occasional selenite cryss becoming stiff and extremely fissured greyish brown with occ pockets of orange silt (10x15m	ck fragments. <u>Y</u> . rrown slightly elenite DN) gravel size tish grey with brown silt fissured with ight brown v 3.00m m ning at 6.00m tals at 8.50m v closely casional	(m) = 0.20 = 0.50 = 0	No           ES01           B02           ES03           D04           D05           D06	Result N7 N7 N12 A8 blows N22 70 blows	1, 1 / 1, 2, 2, 2 Rootlets of live appearance encountered at 3.00m depth 1, 2 / 2, 3, 3, 4 2, 3 / 5, 5, 6, 6		
Chiselling From To		Hours From	Added (m) To	GENERAL REMAI 1. An inspection pit was 2. Ø150mm casing used 3. Ø50mm monitoring w 4. Borehole backfilled w between 10.00m and 1.00 stopcock cover installed	RKS hand excavated to from ground leve ell installed at 10 ith bentonite pell 0m and with bent	l to 1.80m belo 0.00m depth, slo ets between 15. onite pellets fro	w ground otted betw 00m and om 1.00m	level. een 1.00m 10.00m, pe	and 10.00m depth.	<u>.                                     </u>	
Issue No. 02				Driller					AGS month	NY OF BEFECHNICAL	

8 Warple Mews, Warple Way London W3 0RF Telephone: 020 8811 2880\_Fax: 020 8811 2881 E-mail: si@conceptconsultants.co.uk



Job No 1	1/239(		ate Start ate Comj		06/07/11 07/07/11					Fi	Final Depth 15.00m		
Client B	rightv	vood	l Prope	rties L	imited		Method/ Plant Used Cable Percussion			n Sh	eet 2 of 2	2 of 2	
PRO	OGRE	SS			ST	TRATA		SAMPLES & TEST				ent/	
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	on	Depth (m)	Type No	Test Result	Field Records	Instrument/	
						9.50m becoming grey at 10.00m becoming grey at 11.50m		10.50-10.95 10.50 11.50 11.50 12.50-12.95	D20 D21 U22	N25 76 blows	3, 4 / 5, 5, 7, 8		
					-	becoming very closely fissure 12.50m with rare bioturbation at 13.0 with rare pockets of dark gre sand (10x10mm) at 14.00m with a band of claystone betw and 14.20m	00m	13.00 14.00 14.50-14.95	D23 D24 D25				
7/07/11	1.80	Dry	29.00		15.00	End of Borehole	veen 14.10m	14.50		N31	4, 5 / 6, 8, 8, 9		
C From	To	_	Hours	Water A From	To	GENERAL REMAI	RKS						

# 7. GROUNDWATER MONITORING RESULTS

									Sheet 1 of 1
Borehole	Depth of Installation	Date of Installation	Туре	Тор	Bottom	Date & Time	Depth (mbgl)	Depth (mOD)	Remarks
BH01	8.00	06/07/2011	SP	1.00	8.00	15/07/2011 11:15:00	7.88		
	8.00	06/07/2011	SP	1.00	8.00	29/07/2011 11:30:00	7.09		
BH02	8.00	08/07/2011	SP	1.00	8.00	15/07/2011 11:25:00	0.54		
	8.00	08/07/2011	SP	1.00	8.00	29/07/2011 11:30:00	0.56		
BH03	10.00	07/07/2011	SP	1.00	10.00	15/07/2011 11:35:00	4.75		
	10.00	07/07/2011	SP	1.00	10.00	29/07/2011 11:30:00	0.80		

GENERAL REMARKS

# CONCEPT SITE INVESTIGATIONS

# **GROUNDWATER MONITORING**

8 Warple Mews, Warple Way London W3 0RF Telephone: 020 8811 2880\_Fax: 020 8811 2881 E-mail: si@conceptconsultants.co.<u>uk</u>

AGS



Project: 46 Avenue Road, London NW8 6HS Client: Brightwood Properties Limited Job No: 11/2390

# 8. LABORATORY TEST RESULTS

Test Type	No. of Pages
Moisture Content & Atterberg Limits	3
Bulk & Dry Density	
Particle Density	
Particle Size Distribution & Sedimentation	14
Electrochemical Tests	1
Compaction Tests	
California Bearing Ratio	
One-dimensional consolidation/swelling	
Shearbox (60mm)	
Shearbox (300mm)	
Quick Undrained Triaxial	3

				CONCEPT SITE IN	VESTIG	ATION	5			
Site Nam	ne:		46 Aven	ue Road, London NW8 6HS				Job No.:		11/2390
Client:			Brightwo	od Properties Limited				Date Rep	orted:	15/08/2011
			<b>-</b> .	Summary Tes	-					
	г	1	Deter	mination of Moisture Content	and Lic	uid and		C Limits Plastic	Plasticity	
Borehole	Sample			Description	Moisture Content	425 μm sieve	Limit	Limit	Index	Remarks
№. BH01	туре D	№. 05	m 2.00	Brown slightly sandy CLAY with	% 22	% 100	% 55	% 18	% 37	
Diriot			2.00	occasional black flecks and pockets of cream silt (2x15mm)						
BH01	D	06	2.50	Brown CLAY with occasional black flecks	28	100	72	26	46	
BH01	D	07	3.00	Brown locally mottled bluish grey CLAY	38	100	77	29	48	
BH01	U	09	4.50	Extremely closely fissured orangish brown CLAY with bluish grey staining along the fissures, occasional selenite crystals, rare pockets of orange fine sand and rare rootlets (semi-decayed and of live appearance)	27	100	76	24	52	
BH01	D	12	6.00	Brown slightly sandy CLAY with occasional selenite crystals	26	100	72	23	49	
BH01	U	14	7.50	Extremely closely fissured brown CLAY with occasional selenite crystals, rare pockets of orange fine silty sand (40x30mm)	27	100	68	23	45	
BS 1377: F	Part 2: Cla	ause 5: 19	990 Determi 1990 Deter	mination of the liquid limit by the cone penetromet ination of the plastic limit and plasticity index. mination of the moisture content by the oven dryir				AGS	SOCIATION OF GEOTECHICAL &	
Date - samp Date - samp Approved S	les tested:		11/07/2011 05/08/2011 J Roberts -	JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fo	Checked by: Date: kt - JF (Snr Te	K.M. 11/08/2011 ch)		0 8 Warple Mews el: 020 8811 28		

				CONCEPT SITE IN	VESTIG	ATION	\$			
Site Nam	ne:		46 Aven	ue Road, London NW8 6HS				Job No.:		11/2390
Client:			Brightwo	ood Properties Limited				Date Rep	orted:	11/08/2011
			Data	Summary Tes	-					
	1		Deter	mination of Moisture Content	ANG LIQ	<sup>1.</sup> Passing		Plastic	Plasticity	
Borehole No.	Sample Type	Sample No.	Depth m	Description	Moisture Content %	425 μm sieve %	Limit	Limit	Index %	Remarks
BH02	D	06	2.00	Brown mottled bluish grey CLAY with rare pockets of orangish brown silt (2x4mm)	31	100	76	26	50	
BH02	D	07	2.50	Brown mottled bluish grey CLAY with rare pockets of orangish brown silt (2x5mm) and selenite crystals	34	100	71	26	45	
BH02	D	08	3.00	Brown mottled bluish grey CLAY with rare pockets of reddish orange silt (2x3mm) and selenite crystals	35	100	69	27	42	
BH02	D	09	4.00	Brown CLAY with occasional selenite crystals and rare black flecks	35	100	84	28	56	
BH02	U	10	4.50	Extremely closely fissured brown CLAY with occasional selenite crystals, bluish grey staining along rootlet tracks, pyrite nodules (5x10mm), pockets of orange silt (30x20mm) rare rootlets of live appearance	32	100	78	26	52	
BH02	D	13	6.00	Brown CLAY with occasional selenite crystals	32	100	70	24	46	
BH02	U	15	7.50	Extremely closely fissured brown CLAY with occasional selenite crystals and oxidization along fissures	29	100	80	22	58	
BS 1377: P	art 2: Cla	iuse 5: 19	990 Determ	mination of the liquid limit by the cone penetromet ination of the plastic limit and plasticity index. mination of the moisture content by the oven dryir				AGS:	BOCINTION OF GROTTLEVING ALL & DOEWINGONAUTIAL SPECIALISTS	
Date - sampl Date - sampl Approved S	es tested:		11/07/2011 05/08/2011 J Roberts -	JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fo	Checked by: Date: kt - JF (Snr Tee	K.M. 11/08/2011 ch)		00 3 Warple Mews ( 1: 020 8811 28		

				CONCEPT SITE INV	/ESTIG	ATION	5			
Site Nam	ie:		46 Aveni	ue Road, London NW8 6HS				Job No.:		11/2390
Client:			Brightwo	od Properties Limited				Date Rep	orted:	11/08/2011
			Deter	Summary Tes	-	م م م	Diantia	Limite		
	<u> </u>	<u>г                                    </u>	Deter	mination of Moisture Content		<sup>1.</sup> Passing		Plastic	Plasticity	T
Borehole	Sample	Sample	Depth	Description	Moisture Content	425 μm sieve	Limit	Limit	Index	Remarks
No.	Туре	No.	m	Drown mottled even sick known alightly	%	%	%	%	%	ļ
BH03	D	05	1.50	Brown mottled orangish brown slightly sandy CLAY with occasional pockets of orangish brown silt, selenite crystals and sand to fine gravel size iron stained nodules	28	93	70	24	46	
BH03	D	06	2.50	Brown locally mottled bluish grey CLAY with occasional pockets of orangish brown silt (3x10mm) and rare selenite crystals	30	100	67	26	41	
BH03	U	07	3.00	Extremely closely fissured brown CLAY with occasional selenite crystals, bluish grey staining along rootlet tracks, rare pockets of orange silt (20x10mm), pockets of light brown fine silty sand (10x5mm) and rootlets of live appearance	30	100	68	23	45	
BH03	U	12	6.00	Extremely closely fissured brown CLAY with occasional pockets of orangish brown fine sand (20x20mm), selenite crystals and oxidization along fissures	29	100	88	25	63	
BS 1377: P	Part 2: Cla	ause 5: 19	990 Determi	mination of the liquid limit by the cone penetromete ination of the plastic limit and plasticity index. mination of the moisture content by the oven drying				AGS 455	OCATION OF GEOTECHICAL & INVIRONMENTAL SPECIALISTS	
Date - sampl Date - sampl		d:	11/07/2011 08/08/2011		Checked by: Date:	K.M. 11/08/2011	Unit 8	O Warple Mews U	O <b>ROEPT</b> Warple Way lon	ndon W3 ORF
Approved S		5:		JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fok				1: 020 8811 28		



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# PARTICLE SIZE DISTRIBUTION

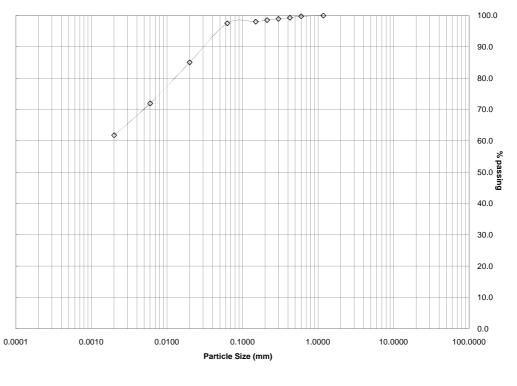
## **TEST REPORT**

Site Name:	46 Avenue	Road, London N	W8 6HS	6			Job Number:	11/2390
Client:	Brightwoo	d Properties Lim	ited				Date Reported:	11/08/2011
Borehole No:	BH01	Sample Type/No.	D	05	Depth:	2.00 m	Method/type:	Pipette

Soil Description:

Brown slightly sandy CLAY with occasional black flecks and pockets of cream silt (2x15mm)

BS Test Sieves						
Size (mm)	% Passing					
75.000	100					
63.000	100					
50.000	100					
37.500	100					
28.000	100					
20.000	100					
14.000	100					
10.000	100					
6.300	100					
5.000	100					
3.350	100					
2.000	100					
1.180	100					
0.600	100					
0.425	99					
0.300	99					
0.212	99					
0.150	98					
0.063	98					



Particle Prop	oortions %					Partic	le Size (m	nm)	
Cobbles		-							
Gravel		T I		F	м		F	м	
Sand	2.5	T I	CLAY		I IVI			1 101	
Silt and Clay	97.5	T I			SILT			SAND	

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:					
Date - samples tested:	09/08/2011						
Approved Signatories:	J Roberts - JR (Quality Mng	J Roberts - JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)					
Checked by: K.M.		Date: 11/08/2011					

Page 1 of 1

F

М

GRAVEL

С

COBBLES



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

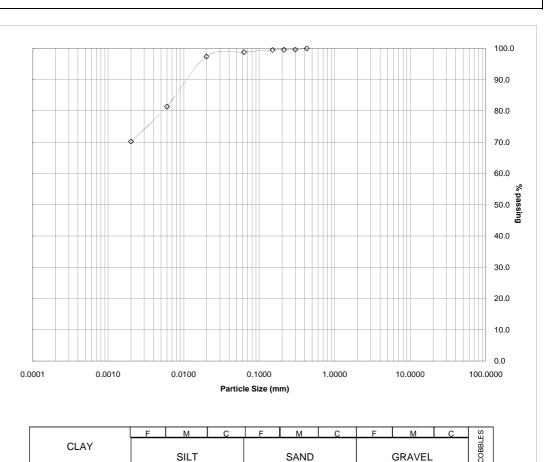
## **TEST REPORT**

Site Name:	46 Avenue	Road, London N	IW8 6HS	i			Job Number:	11/2390
Client:	Brightwoo	d Properties Lim	ited				Date Reported:	11/08/2011
Borehole No:	BH01	Sample Type/No.	D	07	Depth:	3.00 m	Method/type:	Pipette

Soil Description:

Brown locally mottled bluish grey CLAY

BS Test Sieves					
Size (mm)	% Passing				
75.000	100				
63.000	100				
50.000	100				
37.500	100				
28.000	100				
20.000	100				
14.000	100				
10.000	100				
6.300	100				
5.000	100				
3.350	100				
2.000	100				
1.180	100				
0.600	100				
0.425	100				
0.300	100				
0.212	100				
0.150	99				
0.063	99				



SAND

Particle Pro	portions %
Cobbles	
Gravel	
Sand	1.2
Silt and Clay	98.8

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Approved Signatories: J Roberts - JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)	Annroved Signatories	09/08/2011 J Roberts - JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)					
---	----------------------	---	--	--	--	--	--

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

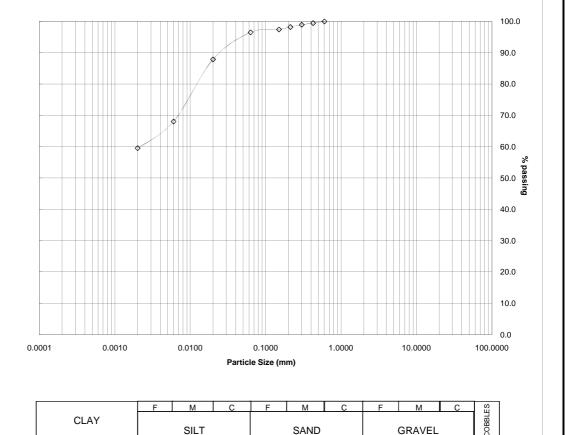
## **TEST REPORT**

Site Name:	46 Avenue Ro	ad, London NW	V8 6HS				Job Number:	11/2390
Client:	Brightwood P	roperties Limite	ed				Date Reported:	15/08/2011
Borehole No:	BH01	Sample Type/No.	U	09	Depth:	4.50 m	Method/type:	Pipette

#### Soil Description:

Extremely closely fissured orangish brown CLAY with bluish grey staining along fissures, occasional selenite crystals, rare pockets of orange fine sand and rare rootlets (semi-decayed and of live appearance)

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	99
0.300	99
0.212	98
0.150	97
0.063	97



SAND

Particle Pro	portions %
Cobbles	
Gravel	
Sand	3.5
Silt and Clay	96.5

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method.

BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	10/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mr	ngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

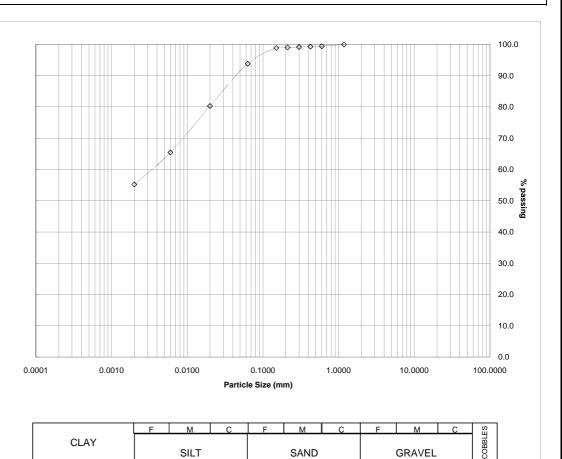
## **TEST REPORT**

Site Name: 46 Avenue Road, London NW8 6HS							Job Number:	11/2390
Client:	Brightwood Properties Limited						Date Reported:	11/08/2011
Borehole No:	BH01	BH01 Sample D 12 Depth: 6.00 m Type/No.						Pipette

Soil Description:

Brown slightly sandy CLAY with occasional selenite crystals

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	99
0.425	99
0.300	99
0.212	99
0.150	99
0.063	94



SAND

Particle Proportions %					
Cobbles					
Gravel					
Sand	6.2				
Silt and Clay	93.8				

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	09/08/2011	
Approved Signatories:	J Roberts - JR (Quality M	ngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

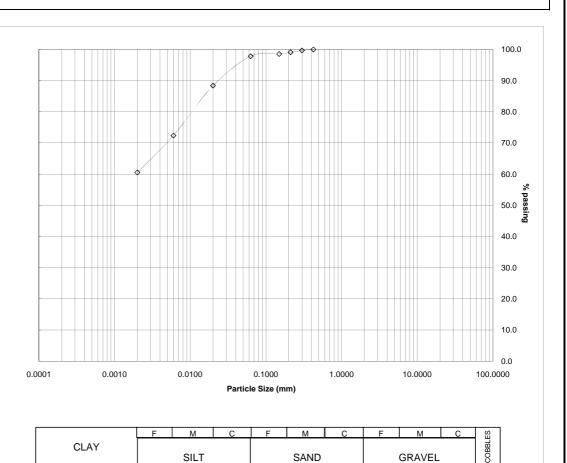
## **TEST REPORT**

ite Name: 46 Avenue Road, London NW8 6HS J							Job Number:	11/2390
Client:	Brightwood Properties Limited						Date Reported:	11/08/2011
Borehole No:	BH01	BH01 Sample U 14 Depth: 7.50 m						Pipette

Soil Description:

Extremely closely fissured brown CLAY with occasional selenite crystals, rare pockets of orange fine silty sand (40x30mm)

BS Test Sieves					
Size (mm)	% Passing				
75.000	100				
63.000	100				
50.000	100				
37.500	100				
28.000	100				
20.000	100				
14.000	100				
10.000	100				
6.300	100				
5.000	100				
3.350	100				
2.000	100				
1.180	100				
0.600	100				
0.425	100				
0.300	100				
0.212	99				
0.150	99				
0.063	98				



SAND

Particle Proportions %					
Cobbles					
Gravel					
Sand	2.2				
Silt and Clay	97.8				

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	10/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mn	gr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

## **TEST REPORT**

Site Name:	46 Avenue Road, London NW8 6HS						Job Number:	11/2390
Client:	Brightwoo	Brightwood Properties Limited					Date Reported:	11/08/2011
Borehole No:	BH02	BH02 Sample D 06 Depth: 2.00 m						Pipette
Soil Description:				•				

Brown mottled bluish grey CLAY with rare pockets of orangish brown silt (2x4mm)

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Particle Proportions %

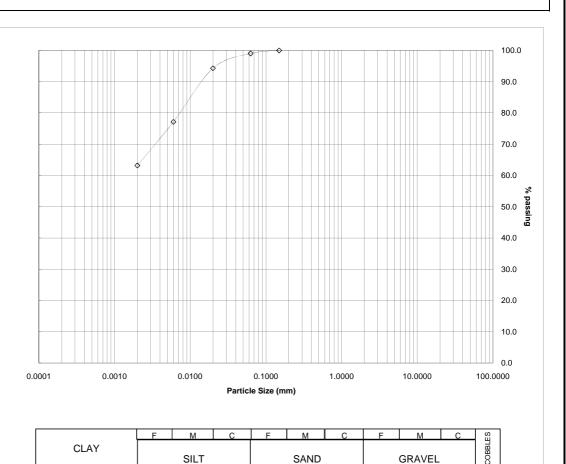
1.0

99.0

Cobbles Gravel

Silt and Clay

Sand



SAND

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	09/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mng	gr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

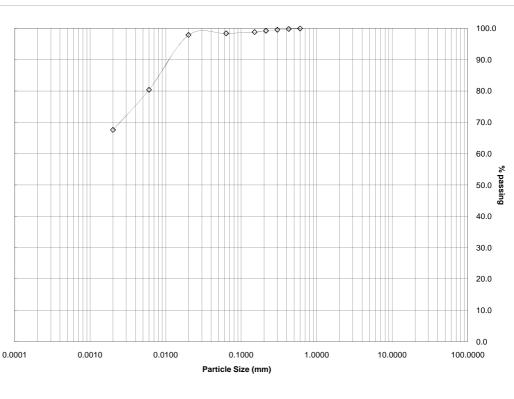
## **TEST REPORT**

Site Name:	46 Avenue	Road, London N	IW8 6HS	;			Job Number:	11/2390
Client:	Brightwoo	d Properties Lim	ited				Date Reported:	11/08/2011
Borehole No:	BH02	Sample Type/No.	D	08	Depth:	3.00 m	Method/type:	Pipette

Soil Description:

Brown mottled bluish grey CLAY with rare pockets of reddish orange silt (2x3mm) and selenite crystals

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	99
0.150	99
0.063	98



Particle Pro	portions %
Cobbles	
Gravel	
Sand	1.6
Silt and Clay	98.4

Copples													
Gravel			F	м	C	F	м	C	F	м	C	S	1
Sand	1.6	CLAY			Ŭ						- v	BLE	ł
Silt and Clay	98.4	02		SILT			SAND			GRAVEL		COB	

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	09/08/2011	
Approved Signatories:	J Roberts - JR (Quality M	Ingr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

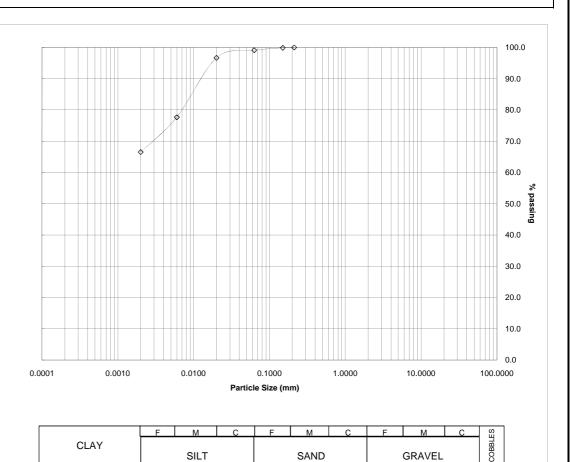
### **TEST REPORT**

Site Name:	46 Avenue Ro	ad, London NV	V8 6HS				Job Number:	11/2390
Client:	Brightwood P	roperties Limit	ed				Date Reported:	11/08/2011
Borehole No:	BH02	Sample Type/No.	U	10	Depth:	4.50 m	Method/type:	Pipette

#### Soil Description:

Extremely closely fissured brown CLAY with occasional selenite crystals, bluish grey staining along rootlet tracks, pyrite nodules (5x10mm), pockets of orange silt (30x20mm) rare rootlets of live appearance

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99



SAND

Particle Pro	portions %
Cobbles	
Gravel	
Sand	0.9
Silt and Clay	99.1

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	10/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mn	gr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



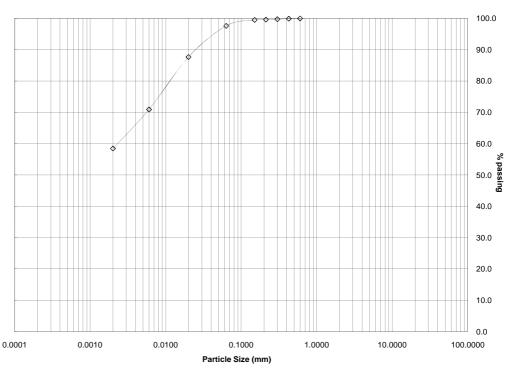
Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# PARTICLE SIZE DISTRIBUTION

## **TEST REPORT**

Site Name:	46 Avenue I	Road, London N	W8 6HS				Job Number:	11/2390	
Client:	Brightwood	Properties Limit	ted				Date Reported:	11/08/2011	
Borehole No:	BH02	Sample Type/No.	D	13	Depth:	6.00 m	Method/type:	Pipette	
		with acceptional a		an intela					
	Brown CLAY	with occasional s	selenite	crystals					
	Brown CLAY	with occasional s	selenite	crystals					
BS Test Sieve		with occasional s	selenite	crystals					
		with occasional s	selenite	crystals				100.0	

75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	98



F M C

SAND

F

M C

GRAVEL

COBBLES

Particle Proportions %							
Cobbles							
Gravel							
Sand	2.4						
Silt and Clay	97.6						

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method.

CLAY

BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:				
Date - samples tested:	09/08/2011					
Approved Signatories:	J Roberts - JR (Quality M	rts - JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)				
Checked by: K.M.		Date: 11/08/2011				

Page 1 of 1

F M

С

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

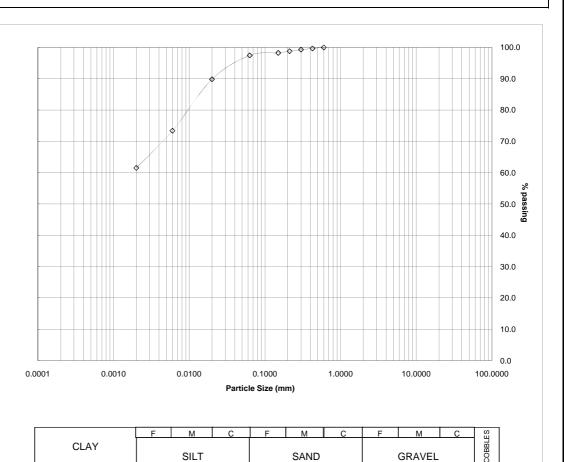
## **TEST REPORT**

Site Name:	46 Avenue Road, London NW8 6HS						Job Number:	11/2390
Client:	Brightwood Properties Limited					Date Reported:	11/08/2011	
Borehole No:	BH02	BH02 Sample U 15 Depth: 7.50 m Type/No.						Pipette

Soil Description:

Extremely closely fissured brown CLAY with occasional selenite crystals and oxidization along fissures

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	99
0.212	99
0.150	98
0.063	97



SAND

Particle Proportions % Cobbles Gravel Sand 2.5 Silt and Clay 97.5

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	10/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mng	yr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

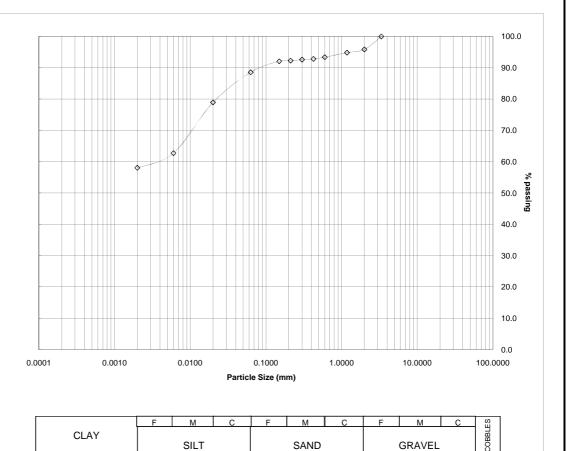
## **TEST REPORT**

Site Name:	te Name: 46 Avenue Road, London NW8 6HS							
Client:	Brightwood Properties Limited							11/08/2011
Borehole No:	BH03	Sample Type/No.	D	05	Depth:	1.50 m	Method/type:	Pipette

#### Soil Description:

Brown mottled orangish brown slightly sandy CLAY with occasional pockets of orangish brown silt, selenite crystals and sand to fine gravel size iron stained nodules

BS Test	Sieves		
Size (mm)	% Passing		
75.000	100		
63.000	100		
50.000	100		
37.500	100		
28.000	100		
20.000	100		
14.000	100		
10.000	100		
6.300	100		
5.000	100		
3.350	100		
2.000	96		
1.180	95		
0.600	93		
0.425	93		
0.300	93		
0.212	92		
0.150	92		
0.063	89		



SAND

Particle Proportions %						
Cobbles						
Gravel 4.2						
Sand 7.3						
Silt and Clay	88.6					

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	10/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mngr)	- K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

# **PARTICLE SIZE DISTRIBUTION**

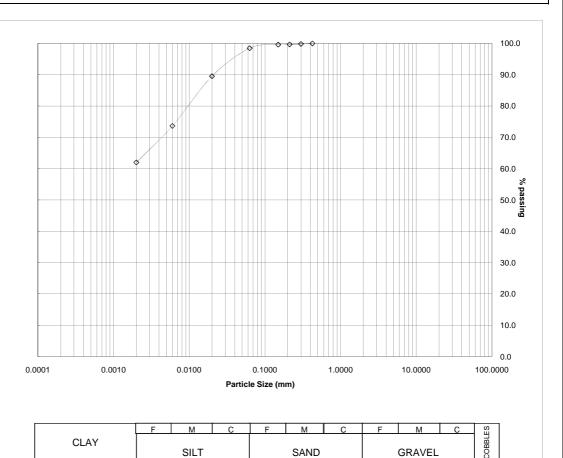
## **TEST REPORT**

Site Name: 46 Avenue Road, London NW8 6HS							Job Number:	11/2390
Client:	Client: Brightwood Properties Limited						Date Reported:	11/08/2011
Borehole No:	BH03	BH03 Sample D 06 Depth: 2.50 m					Method/type:	Pipette

Soil Description:

Brown locally mottled bluish grey CLAY with occasional pockets of orangish brown silt (3x10mm) and rare selenite crystals

BS Test	Sieves		
Size (mm)	% Passing		
75.000	100		
63.000	100		
50.000	100		
37.500	100		
28.000	100		
20.000	100		
14.000	100		
10.000	100		
6.300	100		
5.000	100		
3.350	100		
2.000	100		
1.180	100		
0.600	100		
0.425	100		
0.300	100		
0.212	100		
0.150	100		
0.063	98		



SAND

portions %	
1.5	
98.5	
	1.5

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	09/08/2011	
Approved Signatories:	J Roberts - JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)	
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT



## CONCEPT SITE INVESTIGATIONS

Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

## PARTICLE SIZE DISTRIBUTION

## **TEST REPORT**

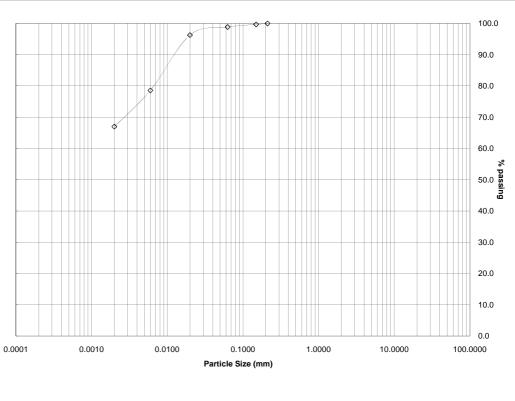
Site Name:	46 Avenue Ro	ad, London NV	Job Number:	11/2390				
Client:	Brightwood P	roperties Limit	Date Reported:	11/08/2011				
Borehole No:	BH03	Sample Type/No.	U	07	Depth:	3.00 m	Method/type:	Pipette

#### Soil Description:

Extremely closely fissured brown CLAY with occasional selenite crystals, bluish grey staining along rootlet tracks, rare pockets of orange silt (20x10mm), pockets of light brown fine silty sand (10x5mm) and rootlets of live appearance

BS Test	Sieves
Size (mm)	% Passing
75.000	100
63.000	100
50.000	100
37.500	100
28.000	100
20.000	100
14.000	100
10.000	100
6.300	100
5.000	100
3.350	100
2.000	100
1.180	100
0.600	100
0.425	100
0.300	100
0.212	100
0.150	100
0.063	99

Particle Proportions %



Cobbles								
Gravel			F	М	С	F	М	С
Sand	1.1	CLAY						
Silt and Clay	98.9			SILT			SAND	

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:						
Date - samples tested:	10/08/2011							
Approved Signatories:	J Roberts - JR (Quality Mngr)	J Roberts - JR (Quality Mngr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)						
Checked by: K.M.		Date: 11/08/2011						

Page 1 of 1

Μ

GRAVEL

С

COBBLES



#### CONCEPT SITE INVESTIGATIONS

Unit 8 Warple Mews Warple Way London W3 0RF Tel: 020 8811 2880 Fax: 020 8811 2881 Email: lab@conceptconsultants.co.uk

## **PARTICLE SIZE DISTRIBUTION**

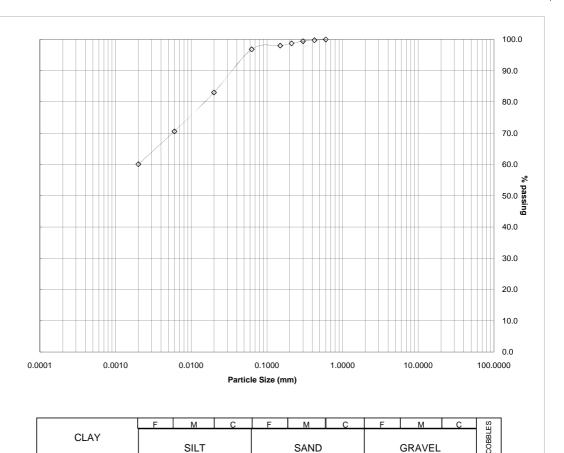
## **TEST REPORT**

Site Name:	46 Avenue Ro	ad, London NV	Job Number:	11/2390				
Client:	Brightwood P	roperties Limit	Date Reported:	11/08/2011				
Borehole No:	BH03	Sample Type/No.	U	12	Depth:	6.00 m	Method/type:	Pipette

#### Soil Description:

Extremely closely fissured brown CLAY with occasional pockets of orangish brown fine sand (20x20mm), selenite crystals and oxidization along fissures

BS Test	Sieves				
Size (mm)	% Passing				
75.000	100				
63.000	100				
50.000	100				
37.500	100				
28.000	100				
20.000	100				
14.000	100				
10.000	100				
6.300	100				
5.000	100				
3.350	100				
2.000	100				
1.180	100				
0.600	100				
0.425	100				
0.300	99				
0.212	99				
0.150	98				
0.063	97				



SAND

Particle Proportions %								
Cobbles								
Gravel								
Sand	3.2							
Silt and Clay	96.8							

BS 1377: Part 2: Clause 9.2: 1990 Determination of particle size distribution - wet sieving method. BS 1377: Part 2: Clause 9.3: 1990 Determination of particle size distribution - dry sieving method. BS 1377: Part 2: Clause 9.4: 1990 Determination of sedimentation by the pipette method.

Date - samples received:	11/07/2011	Remarks:
Date - samples tested:	10/08/2011	
Approved Signatories:	J Roberts - JR (Quality N	Ingr) - K Mazerant - KM (Lab Mngr) - J Fokt - JF (Snr Tech)
Checked by: K.M.		Date: 11/08/2011

Page 1 of 1

SILT

GRAVEL

				CONCEPT SITE INVE	STIGAT	IONS			
Site Nar	ne:	46 Aven	ue Road, I	London NW8 6HS			Job No.:		11/2390
Carried	out for:	Brightwo	ood Proper	ties Limited			Date Repo	orted:	11/08/2011
				Summary Test F Sulphate Conten	-				
Borehole No.	Sample Type	Sample No.	Depth (m)	Description	% dry mass passing 2mm sieve	рН	Sulphate 2:1 water soil g/l SO <sub>4</sub>	Sulphate Total % SO <sub>3</sub>	Remarks
BH02	Ŭ	05	1.50	Orangish brown CLAY with bluish grey staining along rootlet tracks, occasional roots (<3mm) and frequent rootlets of live appearance		8.04	0.61		
BH02	D	12	5.50	Brown CLAY with occasional pockets of orangish brown silt (3x7mm) and selenite crystals	100	7.68	3.19		
BH02	D	16	8.00	Brown CLAY with rare pockets of orangish brown silt (3x3mm) and selenite crystals	100	8.03	2.40		
BH03	D	04	1.00	Brown mottled orangish brown locally mottled bluish grey slightly sandy CLAY with rare selenite crystals	100	7.98	2.55		
BH03	D	11	5.50	Brown CLAY with occasional selenite crystals	100	7.79	3.24		
BH03	D	15	7.50	Brown slightly sandy CLAY with occasional selenite crystals	100	7.87	2.96		
			990 (Issue 2 content of soil	April 1996) & ground water: gravimetric method.			AGS	ASSOCIATION OF GEOTECHNICA GEOENVIRONMENTAL SPECIALIS	
Date - samp Date - samp Approved S	oles tested:		11/07/2011 04/108 (Quality Mngr) -	· K Mazerant (Lab Mngr) - J Fokt (Snr Tech)	Checked by: Date:	K.M. 11/08/2011			<b>GPT</b> le Way London W3 0RF fax: 020 8811 2881

C	once	PT SI	LE IUA	ESTIGATIONS	Summary Tes	(S	- Undrain Single-St 7 : Part 7: 19	age)	al Compre	ession		eported: No.:	15/08/2011 11/2390
Si	te Locatio	on:	46 Aven	ue Road, London NW8 6H	IS	Client:	Brightwo	od Propertie	es Limited				
BH No.	Sample Type	Sample No	Depth top (m)	Descriptio	n	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	<b>Shear</b> Strength kPa	Mode of failure/Comments
BH01	U	04	1.50	Orangish brown mottled bro occasional angular to subro coarse flint gravel and rootle appearance	60	12.4	1.984	1.549	28	148	74	Plastic	
BH01	U	09	4.50	Extremely closely fissured of CLAY with bluish grey stain fissures, occasional selenite pockets of orange fine sand (semi-decayed and of live a	150	12.8	1.967	1.542	28	177	88	Brittle with plastic deformation	
BH01	U	14	7.50	Extremely closely fissured b occasional selenite crysals, orange fine silty sand (40x3 nodules	240	5.5	1.963	1.542	27	257	128	Brittle	
BH01	U	19	10.50	Extremely closely fissured brownish grey CLAY with rare bioturbation		330	5.5	1.984	1.549	28	245	122	Brittle
BH01	U	24	13.50	Extremely closely fissured brownish grey CLAY with occasional oxidization along fissures, rare claystone (30x30mm), shell fragments (10x10mm) and bioturbation		420	3.9	1.985	1.559	27	307	153	Brittle
BH01	U	29	16.50	Extremely closely fissured g occasional oxidization along dark grey and light brown fir (5x10mm)	fissures and rare	510	3.6	1.943	1.542	26	213	106	Brittle
BH01	U	36	20.00	Very closely fissured grey C occasional bioturbation and dark grey fine silty sand (15	rare pockets of	615	6.2	2.030	1.622	25	381	190	Brittle
BH01	U	41	23.00	Very closely fissured grey C occasional pockets of dark ( (20x20mm) and bioturbatior	grey fine silty sand	705	5.1	2.041	1.655	23	535	268	Brittle
Date - sam	Pate - samples received: 11/07/2011 Pate - samples tested: 04/08/2011 Pproved Signatories: J Roberts (Quality Mngr) - K Mazerant (Lab Mngr) - J Fokt - JF (Snr Tech) Phecked by: K.M. Date: 11/08/2011						t 8 Warple Mew el: 020 8811 28		11 2881 Em		AGS	ASSOCIATION OF GEOTECHICAL 5 GEOREVRONMENTAL SPECIALISTS UKAS TESTING 4503	

C	once	PT SI	LE IUA	ESTIGATIONS	Summary Tes	. (5	- Undrai Single-St	age)	al Compre	ession		eported: No.:	11/08/2011 11/2390
Sit	te Locati	on:	46 Aven	ue Road, London NW8 6H	IS	Client:		od Propertie	es Limited				
BH No.	Sample Type	Sample No	Depth top (m)	Descriptio	n	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	<b>Shear</b> Strength kPa	Mode of failure/Comments
BH02	U	05	1.50	Orangish brown CLAY with along rootlet tracks, occasic and frequent rootlets of live	onal roots (<3mm)	45	15.8	1.956	1.496	31	105	52	Plastic with brittle failure
BH02	U	10		Extremely closely fissured b occasional selenite crystals staining along rootlet tracks (5x10mm), pockets of orang rare rootlets of live appeara	150	9.6	1.902	1.445	32	193	96	Plastic with brittle failure	
BH02	U	U 15 7.50 Extremely closely fissured brown CLAY with occasional selenite crystals, oxidization along fissures and a band of orange fine sand between 7.52 and 7.54m		, oxidization along	240	4.9	1.959	1.515	29	247	124	Brittle	
Date - samp	ate - samples received: 11/07/2011 ate - samples tested: 04/08/2011 oproved Signatories: J Roberts (Quality Mngr) - K Mazerant (Lab Mngr) - J Fokt - JF (Snr Tech)				okt - JF (Snr Tech) 11/08/2011			it 8 Warple Mew el: 020 8811 28		11 2881 Em		AGS	

C	once	EPT SI	TE INV	ESTIGATIONS	Summary Tes	(5	- Undrain Single-St 7 : Part 7: 19	age)	ial Compre	ession		eported: No.:	11/08/2011 11/2390	
Sit	te Locati	on:	46 Aveni	ue Road, London NW8 6H	IS	Client: Brightwood Properties Limited								
BH No.	Sample Type	Sample No	Depth top (m)	Descriptio	n	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	
BH03	U	07	3.00	Extremely closely fissured b occasional selenite crystals. staining along rootlet tracks orange silt (20x10mm), pocl fine silty sand (10x5mm) an appearance	105	6.3	1.943	1.495	30	204	102	Brittle		
BH03	U	12	6.00	Extremely closely fissured b occasional pockets of orang (20x20mm), selenite crystal along fissures	195	6.2	1.963	1.523	29	204	102	Brittle		
BH03	U	17	0.00	Extremely closely fissured b occasional selenite crystals, fissures and rare pyritised w (5x10mm)	285	4.8	1.971	1.541	28	296	148	Brittle		
BH03	U	22	12.50	Very closely fissured browni rare selenite crystals, pocke and dark grey fine silty sanc bioturbation	ets of light brown	390	4.5	1.977	1.546	28	361	181	Brittle	
ate - samp	•		11/07/2011 08/08/2011 s (Quality Mng	gr) - K Mazerant (Lab Mngr) - J Fc Date:	okt - JF (Snr Tech) 11/08/2011			t 8 Warple Mev el: 020 8811 28	<b>CONCEPT</b> vs Warple Way 80 Fax: 020 88 nceptconsultant	811 2881 Em		AGS		

## 9. CHEMICAL TEST RESULTS

# TEST REPORT SOIL SAMPLE ANALYSIS



## Report No. EFS/116196 (Ver. 1)

Concept Consultants Unit 8 Warple Mews Warple Way Acton London W3 ORF W3 0RF

## Site: 46 Avenue Road, London NW8 6HS

The 1 sample described in this report were logged for analysis by Scientifics on 20-Jul-2011. This report supersedes any versions previously issued by the laboratory.

The analysis was completed by: 27-Jul-2011

Tests where the accreditation is set to N or No, and any individual data items marked with a \* are not UKAS accredited Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by Scientifics.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3) Table of PAH (MS-SIM) (80) Results (Page 4) Table of PCB Congener Results (Page 5) GC-FID Chromatograms (Page 6) Table of Asbestos Screening Results (Page 7) Analytical and Deviating Sample Overview (Page 8) Table of Method Descriptions (Page 9) Table of Report Notes (Page 10)

On behalf of Scientifics : Andrew Timms

tim

Operations Manager

Date of Issue: 27-Jul-2011

Tests marked '^' have been subcontracted to another laboratory.

Scientifics accepts no responsibility for any sampling not carried out by our personnel.

	Units :	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH Units	mg/kg		%
	Method Codes :	ELESULP	ICPBOR	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	PAHMSUS	PHSOIL	SFAPI	Sub002a	TEM
	Method Reporting Limits :	20	0.5	0.3	0.1	0.5	0.5	0.5	0.10	0.5	0.5	3.0	0.08		0.5		0.05
	UKAS Accredited :	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Laboratory ID Number CL/	Client Sample Description	Elemental Sulphur	Boron (H20 Soluble)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Zinc (MS)	PAH by MS.16(0.08)	pH units (AR)	Cyanide(Total) (AR)	^Asbestos Screen	TEM %
1128966	BH02 0.5	24	0.6	9.7	0.19	33.4	19.5	262.4	0.19	23.2	0.5	81.1	Req	8.4	<0.5	NAIIS	0.14
																<u> </u>	L
																<u> </u>	<u> </u>
											ļ					<u> </u>	<u> </u>
																<u> </u>	
	scientifics Bretby Business Park, Ashby Road	Client N		_	ot Consul	ltants						Soils Sa	ample /	Analysi	S		
		Contact		Dr J Robe	ens								1			4	
	Burton-on-Trent, Staffordshire, DE15 0YZ										Date Prin				27-Jul-11	4	
	Tel +44 (0) 1283 554400		46 A	Vanu	o Roa	d l o	ndon	NW8	9Н3	Report Number EFS/116196						1	
	Fax +44 (0) 1283 554422		40 /	VCIIU		ч, со					Table Nu	umber			1		

	Units:         mg/kg         mg/kg         ug/kg         mg/kg         % M/M         ug/kg         ug/kg <t< th=""><th></th><th>mg/kg</th><th colspan="7"></th></t<>							mg/kg									
	Method Codes :			PCBUSECDAR	SFAS	WSLM59	BTEXHSA			BTEXHSA		PHEHPLC	PHEHPLC		PHEHPLC		
	Method Reporting Limits : UKAS Accredited :	10.0	10.0		0.5	0.01 no	10 yes	10	10	20	0.3 yes	0.3	0.3	0.3	0.3		
	UNAS Accredited :	yes	yes	no	no	ΠΟ	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Laboratory ID Number CL/	Client Sample Description	DRO by GCFID (AR)	TPH by GCFID (AR)	PCB-7 Congeners(AR)	Sulphide as S (AR)	Total Organic Carbon	Benzene	Toluene	Ethyl Benzene	Xylenes	Phenol	Cresols	Xylenols	Trimethylphenols	Total Phenols		
1128966	BH02 0.5	<10.0	36	Req	<0.5	0.79	<10	<10	<10	<20	<0.3	<0.3	<0.3	<0.3	<1.2		
	scientifics	Client N		Concep		ltants					5	Soils Sa	ample /	Analysi	S		
	Bretby Business Park, Ashby Road	Contact	t	Dr J Robe	rtS												
	Burton-on-Trent, Staffordshire, DE15 0YZ										Date Prin				27-Jul-11		
	Tel +44 (0) 1283 554400		46 A	venue	Roa	nd. I o	ndon	NW8	6HS		Report N			EF	S/116196		
	Fax +44 (0) 1283 554422					, <b>_</b>			<b>.</b>		Table Nu	Imber			1		
1		1									1		I				

## **Polycyclic Aromatic Hydrocarbons** GC/MS (SIM)

Customer and Site Details:	Concept Consultants: 46	Avenue Road, London N	W8 6HS
Sample Details:	BH02 0.5	Job Number:	S11_6
LIMS ID Number:	CL1128966	Date Booked in:	20-Jul
QC Batch Number:	111600	Date Extracted:	26-Jul
Quantitation File:	Initial Calibration	Date Analysed:	26-Jul
Directory:	2511PAH.GC5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultraso

**UKAS accredited?: Yes** 

Target Compounds	CAS #	R.T.	Concentration	% Fit
		(min)	mg/kg	
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	_
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	_
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	103
Acenaphthene-d10	103
Phenanthrene-d10	107
Chrysene-d12	118
Perylene-d12	142

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	100
Terphenyl-d14	113

S11\_6196

20-Jul-11

26-Jul-11

26-Jul-11

Ultrasonic

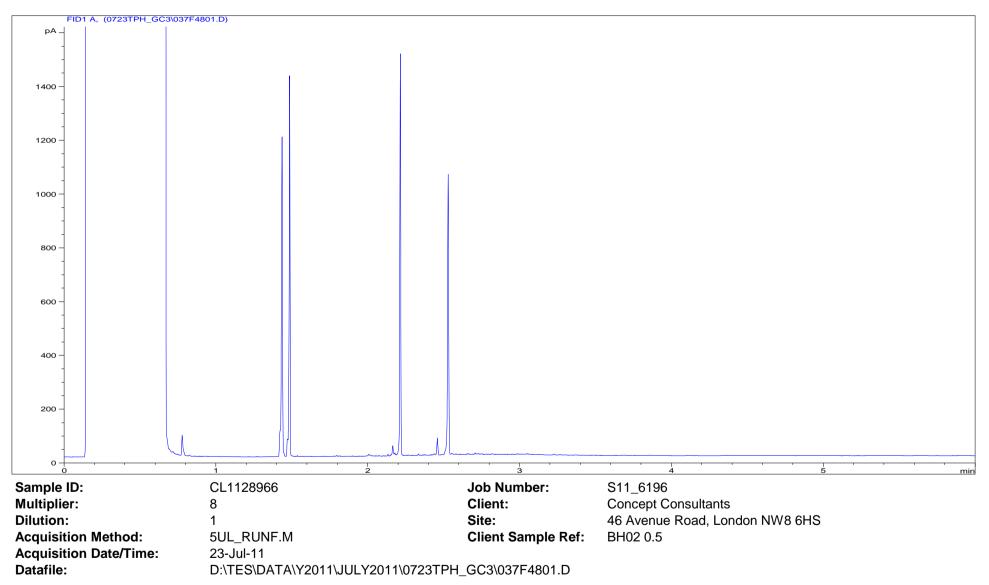
Concentrations are reported on a wet weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

## **Polychlorinated Biphenyls (congeners)**

Customer and Site Details: Job Number: QC Batch Number: Directory: Method:	Concept Consultants: 46 Avenue R S11_6196 111596 0726PCB.GC8 Ultrasonic	oad, London NW8		Matrix: Date Booked Date Extracte Date Analyse	ed:	SOIL 20-Jul-11 26-Jul-11 27-Jul-11		
		* This sample	e data is not U	IKAS accredite	ed.			
				Cor	centration,	(µg/kg)		
Sample ID	Customer ID	PCB28	PCB52	PCB101	PCB118	PCB153	PCB138	PCB180
* CL1128966	BH02 0.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

## Petroleum Hydrocarbons (C8 to C40) by GC/FID



Where individual results are flagged see report notes for status.



Certificate of Analysis for Asbestos in Soils



Address:       Ewall House, Breity Business Park, Ashby Road, Burton upon Trent       Report No:ANO-0488-1799         For the attention of : Concept Consultants       Report Date:26/07/11         Site Address: 46 Avenue Road, London NW8 6HS       Project Number:S116196         SAMPLE       SAMPLE LOCATION         DUT128966       12/07/11         BH02 0.5       26/07/2011         Science Address:       Asbestos by dry weight*         Asbestos Identified in Sample       Asbestos Identified in Sample         CL/1128966       12/07/11         BH02 0.5       26/07/2011         Science Address:       Asbestos Identified in Sample         CL/1128966       12/07/11         BH02 0.5       26/07/2011         Science Address:       Science Address:         CL/1128966       12/07/11         BH02 0.5       26/07/2011         Science Address:       Science Address:         CL/1128966       12/07/11         BH02 0.5       26/07/2011         Science Address:       Science Address:         CL/1128966       12/07/11         BH02 0.5       26/07/2011         Science Address:       Science Address:         CL/1128966       12/07/11         BH02 0.5       2 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>1005</th>								1005
Address:       Etwall House, Brethy Business Park, Ashby Road, Burton upon Trent       Report No:ANO-0488-1799         For the attention of : Concept Consultants       Report Date:26/07/11         Site Address: 46 Avenue Road, London NW8 6HS       Project Number: S116196         SAMPLE       SAMPLE         DATE       SAMPLE LOCATION         Type       Test DATE         CU1128966       12/07/11         BH02 0.5       26/07/2011         Screen Only       No Asbestos Identified in Sample         Cu1128966       12/07/11         BH02 0.5       26/07/2011         Screen Only       No Asbestos Identified in Sample         Cu1128966       12/07/11         BH02 0.5       26/07/2011         Screen Only       No Asbestos Identified in Sample         Cu1128966       12/07/11         BH02 0.5       12/07/201         Screen Only       No Asbestos Identified in Sample         Screen Only       Screen Only         Screen Only       Screen			ASBESTOS A	NAL	YSIS F	RESULTS	- SOIL ANA	ALYSIS
Report Date:28/07/11       Site Address: 46 Avenue Road, London NW8 6HS       Project Number:S116196       SAMPLE       SAMPLE     SAMPLE LOCATION     Seeps     Certrin (n)     TEST DATE     % asbestos by dry weight**       CL/1128966     120/711     BH02.0.5     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     26/07/2011     Screen Only     No Asbestos Identified in Sample       CL/1128966     26/07/2011     26/07/2011     Screen     Screen       CL/1128966     26/07/2011     26/07/2011     26/07/2011     Screen       The samples andysis for the above results was carried out using the pro	Client:		Scientifics Environmental Chemistry					Page 1 of 1
For the attention of : Concept Consultants       Report Date:26/07/11         Site Address: 46 Avenue Road, London NW8 6HS       Project Number:S116196         SAMPLE       SAMPLE LOCATION       Sample       ASAMPLE DOCTION       Site Address: 46 Avenue Road, London NW8 6HS         SAMPLE DATE       SAMPLE COLTION       Site Address: 45 Avenue Road, London NW8 6HS         SAMPLE DATE       SAMPLE COLTION       Site Address: 45 Avenue Road, London NW8 6HS         SAMPLE DATE       SAMPLE COLTION       Site Address: 45 Avenue Road, London NW8 6HS         SAMPLE DATE       SAMPLE COLCATION       Test To ATE       % asbestos by dry weight:**         CL/1128966       12/07/11       BH02.0.5       26/07/2011         CL/1128966       Sample Colspan="2">Asbestos Identified in Sample         CL/1128966       Sample Colspan="2">Asbestos Identified in Sample         CL/1128966       CL/1128966       Note Colspan="2">Asbestos Contaminated Colspan="2">Colspan="2">Colspan= 20         CL/1128966       CL/1128966       Sample Colspan= 20       CL/1128966	Address:		Etwall House, Bretby Business Park, Ash	by Road	d, Burton ı	upon Trent		Report No:ANO-0488-1799
Site Address: 46 Avenue Road, London NW8 6HS       Project Number:S116196       SAMPLE     SAMPLE LOCATION     Sweet Project Number:S116196       SAMPLE     SAMPLE LOCATION     Sweet Project Number:S116196       CL/1128966     1207/11     BH02 0.5     CE Project Number:S116196       CL/1128966     12007/11     BH02 0.5     CE Project Number:S116196       CL/1128966     12007/11     BH02 0.5     CE Project Number:S116196       CL/1128966     12007/11     Sch colspan="2">Sch colspan="2">Sch colspan="2">Sch colspan="2">CE Project Number:S116196       CL/1128966     12007/11     Sch colspan="2">Sch colspan="2"Sch colspan="2"Sch colspan="2"Sch colspan="2"Sch colspan="2"	For the	attention of :	Concept Consultants					Report Date:26/07/11
SAMPLE       SAMPLE LOCATION       Image in the processing of the proce		Site Address:	46 Avenue Road, London NW8 6H	IS				Project Number:S116196
Sharr Le     Sharr								•
CL/1128966     12/07/11     BH02 0.5     26/07/2011     Screen Only     No Asbestos Identified in Sample       Image: Screen Only     Image: Screen Only     No Asbestos Identified in Sample     Image: Screen Only     No Asbestos Identified in Sample       Image: Screen Only     Image: Screen Only     No Asbestos Identified in Sample     Image: Screen Only     No Asbestos Identified in Sample       Image: Screen Only     Image: Screen Only     Image: Screen Only     No Asbestos Identified in Sample       Image: Screen Only     Image: Screen Only     Image: Screen Only     No Asbestos Identified in Sample       Image: Screen Only       Image: Screen Only     Image: Screen Only     Image: Screen Only     Image: Screen Only     Image: Screen Only       Stampling carried out by client     Image: Screen Only     Image: Screen Only     Image: Screen Only     Image: Screen Only       Stampling carried out by client     Image: Screen Only     Image: Screen Only     Image: Screen Only     Image: Screen Only       Stampling carried out by client     Image: Screen Only     Image: Screen Only     Image: Screen Only     Image: Screen Only       Stampling carried out by client     Image: Screen Only     Image: Screen Only     Image: Screen Only     Image: Screen Only       Stampling carried out by clie			SAMPLE LOCATION		DEPTH (M)	TEST DATE	-	ASBESTOS FIBRE TYPES IDENTIFIED
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key			BH02 0.5			26/07/2011		No Asbestos Identified in Sample
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key								
November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Derwent House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089. Key Key	*Sampling carrie	ed out by client	** Detection limit of Method SCI-ASB-020	) is 0.00	)1 *** Ar	alysis carried ou	ut 200g Qualitative	e H&S Screen
	November 1997 (wit The analysis of fine	hdrawn). Fibre ident fraction for asbestos	ification was carried out using ESG Asbestos Limited s content only includes fibres and does not discrimina	l in house ite non-as 0XD, Uk	e method of t sbestos fibre (AS Laborat	ransmitted/polarised s. All fibres are ass ory Number 1089.	l light microscopy and	centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248.
NADIS = No Asbestos Detected in Sample Contraction System Support & Quality Manager	Key				•	atory:	Name:	Kate Lovatt
	NADIS = No Asbesto	os Detected in Samp	ble		<u>l L</u>		Position:	System Support & Quality Manager

ESG Asbestos Limited is a wholly owned subsidiary of Environmental Scientifics Group Limited (ESG), registered in England and Wales, registered company 04951688.

## **SOIL Analysis**

## ESG Environmental Chemistry Analytical and Deviating Sample Overview

Customer	Concept Consultants						Con	signm	ent N	lo 221	60															
Site Report No	46 Avenue Road, Londo S116196	n NW8 6HS	6			Date Logged 20-Jul-2011																				
•							Rep	ort Du	ie 27-	Jul-2	011															
		MethodID	BTEXHSA	CustServ	ELESULP	ICPBOR	ICPMSS									PAHMSUS	PCBUSECDAR	PHEHPLC	PHSOIL	SFAPI	SFAS	Sub002a	TEM	TPHFIDUS		WSLM59
ID Number	Description	Sampled	BTEX-HSA analysis	REPORT A	Elemental Sulphur	Boron (H20 Soluble)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Zinc (MS)	PAH by MS.16(0.08)	PCB - 7 Congeners	Phenol - HPLC	pH units (AR)	Cyanide(Total) (AR)	Sulphide as S (AR)	^Asbestos (screen)	TEM %	DRO by GCFID (AR)	TPH by GCFID (AR)	Total Organic Carbon
	Accredited	to ISO17025	<ul> <li>✓</li> </ul>	<ul> <li>✓</li> </ul>	✓	<ul> <li>✓</li> </ul>	✓	<ul><li>✓</li></ul>	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	1	✓	✓	✓	✓	
CL/1128966	BH02 0.5	12/07/11																								

Note: For analysis where the Report Due date is greater than 7 days (Volatiles, PAH, Pesticides, PCB, Phenols, Herbicides) or 2 days (BOD) after the sampling date, although we will do our utmost to prioritise your samples, they may become deviant whilst being processed in the Laboratory.

In this instance, please contact the Laboratory immediately should you wish to discuss how you would like us to proceed. If you do not respond within 24 hours, we will proceed as originally requested.

#### Deviating Sample Key

F

A The sample was received in an inappropriate container for this analysis

- B The sample was received without the correct preservation for this analysis
- C Headspace present in the sample container D The sampling date was not supplied so holdi
  - The sampling date was not supplied so holding time may be compromised applicable to all analysis
  - Sample processing did not commence within the appropriate holding time

#### Requested Analysis Key

Analysis Required

Analysis dependant upon trigger result - **Note: due date may be affected if triggered** No analysis scheduled

Where individual results are flagger see report notes for status

Page 8 of 10 The integrity of data for samples/analysis that have been categorised as Deviating may be compromised. Data may not be representative of the sample at the time of EFENALINE Ver. 1

# **Method Descriptions**

Matrix	MethodID	Analysis Basis	Method Description
Soil	BTEXHSA	As Received	Determination of Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) by Headspace GCFID
Soil	ELESULP	Air Dried	Determination of Elemental Sulphur using Solvent Extraction followed by HPLC detection.
Soil	ICPBOR	Air Dried	Determination of Boron in soil samples by hot water extraction followed by ICPOES detection
Soil	ICPMSS	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PCBUSECDAR	As Received	Determination of Polychlorinated Biphenyl (PCB) congeners/aroclors by hexane/acetone extraction followed by GCECD detection
Soil	PHEHPLC	As Received	Determination of Phenols by methanol extraction followed by HPLC detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SFAS	As Received	Segmented flow analysis with colorimetric detection
Soil	SubCon*	*	Contact Laboratory for details of the methodology used by the sub- contractor.
Soil	TEM	Air Dried	Determination of % Toluene Extractable Material by gravimetric analysis
Soil	TPHFIDUS	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection.
Soil	WSLM59	Air Dried	Determination of Organic Carbon in soil using sulphurous Acid digestion followed by high temperature combustion and IR detection

# **Report Notes**

## **Generic Notes**

## Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on an air dried basis
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

## Waters Analysis

Unless stated otherwise results are expressed as mg/l **NiI**: Where "NiI" has been entered against Total Alkalinity or Total Acidity this indicates that a measurement was not required due to the inherent pH of the sample.

## Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm<sup>3</sup>@ 15°C

## Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/I

## Asbestos Analysis

CH Denotes Chrysotile CR Denotes Crocidolite AM Denotes Amosite NAIIS No Asbestos Identified in Sample

## Symbol Reference

^ Sub-contracted analysis. Note: The accreditation status is that assigned by the subcontract laboratory.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

Req Analysis requested, see attached sheets for results

**P** Raised detection limit due to nature of the sample

\* All accreditation has been removed by the laboratory for this result

**‡** MCERTS accreditation has been removed for this result

**Note:** The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

## END OF REPORT

Where individual results are flagged see report notes for status.