PROJECT NAME

39 COLLEGE CRESCENT, LONDON NW3 5LD Job Number: J12079 GEO / 18238

PROJECT NO:

 Date
 12/05/2012

 Approved
 Since Barlo

 Page
 3 of 3

	Sample deta	uils				Class	ificati	on Te	sts	Densi	ty Tests	Undrained	I Triaxial Comp	ression Tests	(Chemica		
Borehole No.	Depth (m)	No.	Туре	Description	MC (%)	LL (%)	PL (%)		<425 mic (%)	Bulk (Mg/m³)	Dry (Mg/m³)	Cell Pressure (kPa)	Deviator Stress (kPa)	Shear Stress (kPa)	рН	2:1 W/S SO4 (g/l)	Magnesium Water Soluble (mg/kg)	Other tests and comments
3	1.20	U3	U	Stiff brown CLAY with rare grey veins	31					1.99	1.52	25	141	70				
3	1.50	D4	D	Stiff mottled brown and orange silty CLAY	34	77	28	49	100									
3	2.00	D6	D	Stiff mottled brown silty CLAY with rare orange silt and selenite crystals	32	77	30	47	100									
3	2.80	D7	D	Stiff mottled brown silty CLAY with rare orange silt	35	78	31	47	100									
3	3.00	U8	U	Firm brown CLAY with rare orange silt and selenite crystals	33					1.95	1.46	60	125	63				
3	5.00	U13	U	Stiff fissured brown CLAY with rare orange silt and selenite crystals	31					1.98	1.50	100	188	94				
3	7.50	U16	U	Stiff fissured brown silty CLAY with rare orange silt and selenite crystals	31					1.96	1.49	150	231	116				
3	8.00	D17	D												7.0	7.1	780	
3	10.50	U20	U	Stiff fissured grey-brown CLAY	28					2.03	1.59	210	229	114				
3	13.50	U23	U	Very stiff fissured grey-brown CLAY with rare pyrite	30					2.02	1.55	270	374	187				
3	16.50	U26	U	Stiff fissured grey-brown silty CLAY	25					2.06	1.65	330	271	136				
3	19.50	U30	U	Very fissured grey-brown CLAY with rare pyrite nodules	26					2.05	1.62	390	379	190				

SUMMARY OF GEOTECHNICAL TESTING

Test Report by GEOLABS Limited Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX

Authorised Signatories: • J R Masters (Qual Mgr) • C F Wallace (Tech Mgr) • J Sturges (Ops Mgr) [X] Simon Burke (Snr Tech) • J J M Powell (Tech Dir) Client: Geotechnical & Environmental Associates Limited, Tyttenhanger House, Courses Road, St Albans, Hertfordshire AL4 0PG **GEOLABS**[®]

	77 : Part 7 : Clause 8 : 1990 ed Triaxial Compression 1	est]
Borehole Number:1Sample Number:U5Depth (m):2.00	Description: Stiff brown CLAY with blue-grey ve	ns	
	Single Stage Specimen		
Specimen details	Single Specimen		
Specimen condition:	Undisturbed		mple
Length (mm): Diameter (mm):	202.0 102.0		Orientation and position of sample
Moisture Content (%):	33		ition (
Bulk Density (Mg/m ³):	1.97		D Sod
Dry Density (Mg/m ³):	1.48		
Test details			L
Latex membrane thickness (mm):	: 0.3 0.6		
Membrane correction (kPa): Axial displacement rate (%/min):	2.0		
Cell pressure (kPa):	40		
Strain at failure (%):	7.9		
Maximum Deviator Stress (kPa):	153		
Shear Stress Cu (kPa):	76		
Mode of failure:			
Oh a shared and all Preject Number		······································	
Checked and Project Number: Approved		G	
Initials: Project Name:	EO / 18238		GEOLABS ®
11	CENT, LONDON NW3 5LD		
Data	imber: J12079	TESTING 1982	
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		7 : Part 7 : Clause 8 : 1990 d Triaxial Compression Te	st	
Borehole Num Sample Numb Depth (m):		Description: Stiff brown CLAY with blue-grey veins		
		Single Stage Specimen		
L IS	Specimen details	Single Specimen		
	Specimen condition:	Undisturbed		
	ength (mm):	201.5		Orientation and position of sample
1	Diameter (mm):	101.7		ntatic
	loisture Content (%):	32		Orie
	ulk Density (Mg/m³): Dry Density (Mg/m³):	1.99 1.51		ā
	est details		·	
}	atex membrane thickness (mm):	0.3		-
	fembrane correction (kPa):	0.7		
A	xial displacement rate (%/min):	2.0		
	ell pressure (kPa):	80		
	train at failure (%):	9.9		
	laximum Deviator Stress (kPa): hear Stress Cu (kPa):	172 86		
				-
N	lode of failure:			
1				
Checked and Approved	Project Number:	0 / 18238		
Initials: <i>SB</i>	Project Name:		\mathbb{A}	GEOLABS ®
Date: 12/05/2012		ENT, LONDON NW3 5LD		
12/00/2012	Job Nun	ւber: J12079	1982	

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		77 : Part 7 : Clause 8 : 1990 ed Triaxial Compression	n Test	
Borehole Nur Sample Num Depth (m):	11	Description: Stiff fissured brown CLAY with blue-grey veins		
		Single Stage Specimen		
	Specimen details	Single Specimen	· · · ·	
	Specimen condition: _ength (mm): Diameter (mm): Moisture Content (%): Bulk Density (Mg/m³):	Undisturbed 201.5 101.9 30		Orientation and position of sample
	Dry Density (Mg/m³):	1.99 1.53		
L N C S N	Test details Latex membrane thickness (mm): Membrane correction (kPa): Axial displacement rate (%/min): Cell pressure (kPa): Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress Cu (kPa):	······································		
	Aode of failure:		и _т . Ш.,	
Checked and Approved	Project Number:		ci.	
nitials:	GEC Project Name:	D / 18238	()	GEOLABS •
SB	39 COLLEGE CRESC	CENT, LONDON NW3 5LD	UKAS	
Date: 12/05/2012	Job Nun	nber: J12079	1982	

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	S1377 : Part 7 : Clause 8 : 1990 ained Triaxial Compression	Test	
Borehole Number: 1 Sample Number: U17 Depth (m): 9.00	Description: Stiff fissured grey-brown CLAY		
	Single Stage Specimen		
Specimen details	Single Specimen		
Specimen condition: Length (mm): Diameter (mm): Moisture Content (%): Bulk Density (Mg/m³):	Undisturbed 201.5 102.1 28 2.04		Orientation and position of sample
Dry Density (Mg/m³): Test details	1.59		4
Latex membrane thickness (m Membrane correction (kPa): Axial displacement rate (%/mi Cell pressure (kPa): Strain at failure (%): Maximum Deviator Stress (kP Shear Stress Cu (kPa):	0.5 n): 2.0 180 7.4		
Mode of failure:			
Checked and Project Number: Approved Project Name:	GEO / 18238		GEOLABS »
Date:	ESCENT, LONDON NW3 5LD Number: J12079	UKAS TESTING 1982	

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		7 : Part 7 : Clause 8 : 1990 ed Triaxial Compressior	n Test	
Borehole Number Sample Number Depth (m):		Description: Stiff fissured grey-brown CLAY		//////////////////////////////////////
		Single Stage Specimen		
Spe	ecimen details	Single Specimen		1
Ler	ecimen condition: ngth (mm): meter (mm):	Undisturbed 201.5 102.2		Orientation and position of sample
Bul Dry	isture Content (%): k Density (Mg/m³): ⁄ Density (Mg/m³):	29 2.01 1.56		Orien
Late Mer Axia Cell Stra Max	et details ex membrane thickness (mm): mbrane correction (kPa): al displacement rate (%/min): l pressure (kPa): ain at failure (%): kimum Deviator Stress (kPa): ear Stress Cu (kPa):	0.3 0.4 2.0 240 6.0 262 131		
	de of failure:			
Approved	roject Name:	/ 18238 ENT, LONDON NW3 5LD		GEOLABS ®
Date: 12/05/2012		ber: J12079	UKAS TESTING 1982	

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		7 : Part 7 : Clause 8 : 1990 ed Triaxial Compression	Test	
Borehole Nun Sample Num Depth (m):	11	Description: Stiff fissured grey-brown CLAY		
		Single Stage Specimen		
	Specimen details	Single Specimen	, ,	
L C E C T L N	Specimen condition: Length (mm): Diameter (mm): Moisture Content (%): Bulk Density (Mg/m ³): Dry Density (Mg/m ³): Test details Latex membrane thickness (mm): Membrane correction (kPa): wigh displacement rate (% (min)):	Undisturbed 202.0 102.4 29 2.04 1.57 0.3 0.5 2.0		Orientation and position of sample
C S M S	Axial displacement rate (%/min): Cell pressure (kPa): Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress Cu (kPa): Mode of failure:	2.0 300 7.4 265 133		
Checked and	Project Number:		cio	
Approved	GEC Project Name:	D / 18238	$(\rightarrow \downarrow)$	GEOLABS ®
<i>SB</i> ^{Date:} 12/05/2012		ENT, LONDON NW3 5LD		
/ate: 12/05/2012	Job Nun	nber: J12079	1982	

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BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test						
Borehole Numl Sample Numbe Depth (m):	11	Description: Stiff fissured grey-brown CLAY				
		Single Stage Specimen				
S S	pecimen details	Single Specimen				
	pecimen condition:	Undisturbed		p ele		
5 E	ength (mm):	201.0		on ar sam		
	iameter (mm):	102.6		on of		
	oisture Content (%):	29 2.04		Orientation and position of sample		
	ulk Density (Mg/m³): ry Density (Mg/m³):	1.58				
	est details					
La	atex membrane thickness (mm):	0.3				
M	embrane correction (kPa):	0.5				
	kial displacement rate (%/min):	2.0				
	ell pressure (kPa): rain at failure (%):	360 7.0				
	aximum Deviator Stress (kPa):	314				
	near Stress Cu (kPa):	157				
M	ode of failure:					
less managements				-		
		<i>(</i>				
	Project Number:			1		
Checked and Approved		0 / 40000				
Initials:	GE Project Name:	O / 18238		GEOLABS ®		
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Date: 12/05/2012						
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	' : Part 7 : Clause 8 : 1990 d Triaxial Compression Test		
Borehole Number:2ISample Number:U3Depth (m):1.20	Description: Stiff brown CLAY with pockets of orange silty and selenite crystals	•	
	Single Stage Specimen		
Specimen details	Single Specimen		
Specimen condition:	Undisturbed	2	lple
Length (mm):	202.0	Orientation and	af san
Diameter (mm): Moisture Content (%):	101.8	entat	lion c
Bulk Density (Mg/m³):	2.03	Öli	bosit
Dry Density (Mg/m ³):	1.60		
Test details			
Latex membrane thickness (mm):	0.3		
Membrane correction (kPa):	0.4		
Axial displacement rate (%/min):	2.0		
Cell pressure (kPa):	25		
Strain at failure (%):	5.0		
Maximum Deviator Stress (kPa): Shear Stress Cu (kPa):	340 170		
Mode of failure:			
Checked and Project Number:		cio	
Approved GEC	D / 18238		
Initials: Project Name:		(} ∢) <i>G</i> l	EOLABS ®
	ENT, LONDON NW3 5LD	UKAS	
Date: 12/05/2012 Job Nun	nber: J12079	1982	

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	S1377 : Part 7 : Clause 8 : 1990 ained Triaxial Compressior	ı Test
Borehole Number:2Sample Number:U8Depth (m):3.00	Description: Stiff brown CLAY with grey veins rare selenite crystals and pyrite	
	Single Stage Specimen	
Specimen details	Single Specimen	
Specimen condition:	Undisturbed	mple
Length (mm): Diameter (mm):	201.5 101.6	Orientation and position of sample
Moisture Content (%):	31	ition
Bulk Density (Mg/m ³):	1.97	Ŏ S
Dry Density (Mg/m ³):	1.50	
Test details		
Latex membrane thickness (n	nm): 0.3 0.2	
Membrane correction (kPa): Axial displacement rate (%/m		
Cell pressure (kPa):	60	
Strain at failure (%):	2.7	
Maximum Deviator Stress (kF		
Shear Stress Cu (kPa):	83	
Mode of failure:		
· · · · · · · · · · · · · · · · · · ·		
Ole a la al Project Number		
Checked and Project Number: Approved		CÍQ
Initials: Project Name:	GEO / 18238	GEOLABS •
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Date:	Number: J12079	UNAS TESTING 1982
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	BS1377 : Part 7 : Clause 8 : 19 Quick Undrained Triaxial Comp				
Sample Number:	2 Description: U13 Stiff brown CLAY with 5.00	rare selenite crystals			
	Single Stage Spec	imen			
Specimen					
Bulk Dens Dry Densit Test detail Latex men Membrane Axial displa Cell pressu	m): 201.0 mm): 102.0 content (%): 31 ty (Mg/m³): 2.00 y (Mg/m³): 1.53 s		Orientation and position of sample		
1	ilure (%): 7.0 Deviator Stress (kPa): 234 ss Cu (kPa): 117				
Mode of fa					
Checked and Approved Initials: Project National Project N	GEO / 18238		GEOLABS ®		
<i>SB</i> ^{Date:} 12/05/2012					

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BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test					
Borehole Num Sample Numb Depth (m):	11	Description: Stiff fissured brown CLAY with rare selenite crystals	9		
		Single Stage Specimen			
S	pecimen details	Single Specimen			
	pecimen condition:	Undisturbed		mple	
1 1	ength (mm): iameter (mm):	201.5 102.6		Orientation and position of sample	
	oisture Content (%):	31		ienta	
	ulk Density (Mg/m ³):	1.94		p Or	
D	ry Density (Mg/m³):	1.48			
	est details				
	atex membrane thickness (mm):	0.3			
	embrane correction (kPa): xial displacement rate (%/min):	0.4 2.0			
1 1	ell pressure (kPa):	150			
	train at failure (%):	5.0			
M	aximum Deviator Stress (kPa):	255			
SI	near Stress Cu (kPa):	128		-	
M	ode of failure:				
	· · · · · · · · · · · · · · · · · · ·				
Checked and Approved Initials: <i>SB</i> Date: 12/05/2012	Project Name: 39 COLLEGE CRESC	D / 18238 ENT, LONDON NW3 5LD nber: J12079		GEOLABS ®	

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		77 : Part 7 : Clause 8 : 1990 ed Triaxial Compressic	on Test	
Borehole Number Sample Number Depth (m):	1	Description: Very stiff fissured brown CLAY rare selenite crystals	' with	
	arviene en	Single Stage Specimen		
Spe	ecimen details	Single Specimen		
Ler Dia Moi	ecimen condition: ogth (mm): meter (mm): sture Content (%):	Undisturbed 201.0 102.1 28		Orientation and position of sample
Dry	k Density (Mg/m³): Density (Mg/m³): .t details	2.03 1.58		
Late Mer Axia Cel Stra Ma;	ex membrane thickness (mm): mbrane correction (kPa): al displacement rate (%/min): pressure (kPa): ain at failure (%): kimum Deviator Stress (kPa): ear Stress Cu (kPa):	 0.3 0.4 2.0 210 6.0 348 174 		
Mod	de of failure:			
Approved	Project Name:	EO / 18238		GEOLABS ®
<i>SB</i> Date: 12/05/2012		SCENT, LONDON NW3 5LD	UKAS TESTING 1982	
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		7 : Part 7 : Clause 8 : 1990 ed Triaxial Compression	Test	
Borehole Number: Sample Number: Depth (m):	2 U22 13.50	Description: Stiff fissured grey-brown CLAY		
		Single Stage Specimen		
	men details	Single Specimen	······································	
Lengti Diame	men condition: h (mm): eter (mm): ure Content (%):	Undisturbed 202.0 102.1 28		Orientation and position of sample
1	Density (Mg/m³): ensity (Mg/m³): etails	2.01 1.57		
Memb Axial c Cell pr Strain Maxim	membrane thickness (mm): rane correction (kPa): lisplacement rate (%/min): ressure (kPa): at failure (%): num Deviator Stress (kPa): Stress Cu (kPa):	0.3 0.3 2.0 270 4.2 264 132		
	of failure:			
Approved Project	ct Name:	9 / 18238		GEOLABS •
<i>SB</i> ^{Date:} 12/05/2012		ENT, LONDON NW3 5LD ber: J12079	UKAS TESTING 1982	

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	ed Triaxial Compression Te	st		
mber: 2 lber: U25 16.50	Description: Very stiff fissured grey-brown CLAY			
	Single Stage Specimen			
Specimen details				
Specimen condition: Length (mm): Diameter (mm): Moisture Content (%): Bulk Density (Mg/m ³): Dry Density (Mg/m ³): Test details Latex membrane thickness (mm): Membrane correction (kPa): Axial displacement rate (%/min): Cell pressure (kPa):	Undisturbed 202.0 102.4 28 2.02 1.57 0.3 0.6 2.0 330		Orientation and position of sample	
Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress_Cu_(kPa):	7.9 311 156			
Project Number: geoked and oproved s: 3B 12/05/2012 Project Number: Job Number: 112079				
	ber: U25 16.50 Specimen details Specimen condition: Length (mm): Diameter (mm): Moisture Content (%): Bulk Density (Mg/m³): Dry Density (Mg/m³): Test details Latex membrane thickness (mm): Membrane correction (kPa): Axial displacement rate (%/min): Cell pressure (kPa): Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress Cu (kPa): Mode of failure: Mode of failure: Project Number: Project Number: GEO	ber: U25 16.50 Very stiff fissured grey-brown CLAY Specimen details Single Stage Specimen Specimen condition: Undisturbed Length (mm): 102.4 Moisture Content (%): 28 Bulk Density (Mg/m?): 1.57 Test details Image: Content (%): alex membrane thickness (mm): 0.3 Atial displacement rate (%/min): 2.0 Cell pressure (kPa): 330 Strain at failure (%): 7.9 Maximum Deviator Stress (kPa): 311 Shear Stress Cu (kPa): 156 Mode of failure: Image: Content (%): Project Number: GEO / 18238	ber: U25 16.50 Very stiff fissured grey-brown CLAY Single Stage Specimen Specimen condition: Undisturbed Length (mm): 202.0 Diameter (mm): 102.4 Bulk Density (Mg/m ²): 1.57 Test details 0.3 .atex membrane thickness (mm): 0.6 Axial displacement rate (%/min): 2.0 Cell pressure (kPa): 330 Strain at failure (%): 311 Shear Stress Cu (kPa): 156 Mode of failure:	

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 Client: Geotechnical & Environmental Associates Limited, Tyttenhanger House, Courses Road, St Albans, Hertfordshire AL4 0PG

(Ref5041.466597) Page 1 of 1 GEOLABS®

Borehole Number: 3 Description: Stiff brown CLAY with rare grey veins Septh (m): 1.20 Single Stage Specimen Specimen details Single Specimen Specimen condition: Undisturbed Length (mm): 102.1 Moleture Content (%): 31 Buk Density (Mg/m?): 1.99 Dry Density (Mg/m?): 1.52 Test details 0.3 Maximum Deviator Stress (kPa): 7.9 Maximum Deviator Stress (kPa): 7.0 Mode of failure: 70 Mode of failure: 0 141 51	BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test					
Specimen detailsSingle SpecimenSpecimen condition:UndisturbedLength (mm):201.5Diameter (mm):102.1Moisture Content (%):31Bulk Density (Mg/m³):1.99Dry Density (Mg/m³):1.52Test details1.52Latex membrane thickness (mm):0.3Membrane correction (kPa):0.6Axial displacement rate (%/min):2.0Cell pressure (kPa):25Strain at failure (%):7.9Maximum Deviator Stress (kPa):141Shear Stress Cu (kPa):70						
Specimen condition:UndisturbedLength (mm):201.5Diameter (mm):102.1Moisture Content (%):31Bulk Density (Mg/m³):1.99Dry Density (Mg/m³):1.52Test detailsLatex membrane thickness (mm):0.3Membrane correction (kPa):0.6Axial displacement rate (%/min):2.0Cell pressure (kPa):25Strain at failure (%):7.9Maximum Deviator Stress (kPa):141Shear Stress Cu (kPa):70						
Length (mm):201.5Diameter (mm):102.1Moisture Content (%):31Bulk Density (Mg/m³):1.99Dry Density (Mg/m³):1.52Test detailsLatex membrane thickness (mm):0.3Membrane correction (kPa):0.6Axial displacement rate (%/min):2.0Cell pressure (kPa):25Strain at failure (%):7.9Maximum Deviator Stress (kPa):141Shear Stress Cu (kPa):70						
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Latex membrane thickness (mm):0.3Membrane correction (kPa):0.6Axial displacement rate (%/min):2.0Cell pressure (kPa):25Strain at failure (%):7.9Maximum Deviator Stress (kPa):141Shear Stress Cu (kPa):70	\sum					
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Strain at failure (%):7.9Maximum Deviator Stress (kPa):141Shear Stress Cu (kPa):70						
Maximum Deviator Stress (kPa):141Shear Stress Cu (kPa):70						
Shear Stress Cu (kPa): 70						
Checked and Approved GEO / 18238	LABS •					
39 COLLEGE CRESCENT, LONDON NW3 5LD						
Date: 12/05/2012 Job Number: J12079 1982						

Test Report by GEOLABS Limited Bucknalts Lane, Garston, Watford, Hertfordshire, WD25 9XX Authorised Signatories: • J R Masters (Qual Mgr) • C F Wallace (Tech Mgr) • J Sturges (Ops Mgr) [X] Simon Burke (Snr Tech) • J J M Powell (Tech Dir) Client: Geotechnical & Environmental Associates Limited, Tyttenhanger House, Courses Road, St Albans, Hertfordshire AL4 0PG © GEOLABS LIMITED

(Ref5041.466609) Page 1 of 1 GEOLABS®

	BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test					
Borehole Nur Sample Num Depth (m):		Description: Firm brown CLAY with rare orang silt and selenite crystals	e			
		Single Stage Specimen	·····			
	Specimen details	Single Specimen				
	Specimen condition: _ength (mm): Diameter (mm): ⁄Ioisture Content (%):	Undisturbed 201.0 102.2 33		Orientation and position of sample		
	Bulk Density (Mg/m³): Dry Density (Mg/m³): Fest details	1.95 1.46		Ō Sơ		
L M C S M	atex membrane thickness (mm): Aembrane correction (kPa): Axial displacement rate (%/min): Cell pressure (kPa): Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress Cu (kPa):	0.3 0.6 2.0 60 8.0 125 63				
	fode of failure:					
Checked and	Project Number:		CÍD			
Approved	GE Project Name:	O / 18238		GEOLABS ®		
<i>SB</i> Date:	39 COLLEGE CRES	CENT, LONDON NW3 5LD				
Date: 12/05/2012	Job Nu	mber: J12079	1982			

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Test Report by GEOLABS Limited Bucknalts Lanc, Garston, Watford, Hertfordshire, WD25 9XX Authorised Signatories: • J R Masters (Qual Mgr) • C F Wallace (Tech Mgr) • J Sturges (Ops Mgr) [X] Simon Burke (Snr Tech) • J J M Powell (Tech Dir) Client: Geotechnical & Environmental Associates Limited, Tyttenhanger House, Courses Road, St Albans, Hertfordshire AL4 0PG © GEOLABS LIMITED

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	BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test					
Borehole Number Sample Number: Depth (m):	: 3 U13 5.00	Description: Stiff fissured brown CLAY with rare orange silt and selenite crystals				
		Single Stage Specimen				
	imen details	Single Specimen				
	imen condition:	Undisturbed	nple			
	th (mm): leter (mm):	202.0 101.2	Orientation and position of sample			
	ture Content (%):	31	ienta tion o			
	Density (Mg/m³):	1.98	Dosi			
	Density (Mg/m³):	1.50				
	details					
	membrane thickness (mm):					
	brane correction (kPa): displacement rate (%/min):	0.3 2.0				
	pressure (kPa):	100				
	n at failure (%):	3.7				
	num Deviator Stress (kPa):	188				
Shea	r Stress Cu (kPa):	94				
Mode	of failure:					
Checked and Proj Approved	ect Number:	D / 18238				
Approved Proj	ect Name:	D / 18238	GEOLABS •			
Approved	GEC ect Name: 39 COLLEGE CRESC	D / 18238 CENT, LONDON NW3 5LD				

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(Ref5041.466644) Page 1 of 1 GEOLABS®

		7 : Part 7 : Clause 8 : 1990 ed Triaxial Compression	Test	
Borehole Number: Sample Number: Depth (m):	3 U16 7.50	Description: Stiff fissured brown silty CLAY wi rare orange silt and selenite cryst		
		Single Stage Specimen		
Specir	nen details	Single Specimen		
Lengtł Diame Moistu	nen condition: n (mm): ter (mm): re Content (%): ensity (Mg/m³):	Undisturbed 202.0 102.4 31 1.96		Orientation and position of sample
	ensity (Mg/m³):	1.49		
Memb Axial d Cell pr Strain Maxim	membrane thickness (mm): rane correction (kPa): isplacement rate (%/min): essure (kPa): at failure (%): um Deviator Stress (kPa): Stress Cu (kPa):	0.3 0.5 2.0 150 6.9 231 116		
	of failure:			
Checked and Project Approved	t Number:		GÍ Q	
nitials: Projec	t Name:	/ 18238		GEOLABS ®
<i>SB</i> Date: 12/05/2012		ENT, LONDON NW3 5LD ber: J12079	UKAS TESTING 1982	

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(Ref5041.466667) Page 1 of 1 GEOLABS®

38 39 COLLEGE CRESCENT, LONDON NW3 5LD			77 : Part 7 : Clause 8 : 1990 ed Triaxial Compression	n Test	••••••
Specimen details Single Specimen Specimen condition: Undisturbed Length (mm): 202.0 Diameter (mm): 102.5 Moisture Content (%): 28 Bulk Density (Mg/m?): 2.03 Dry Density (Mg/m?): 1.59 Test details 0.4 Axial displacement rate (%/min): 2.0 Cell pressure (kPa): 210 Strain at failure (%): 5.9 Maximum Deviator Stress (kPa): 22.9 Shear Stress Cu (kPa): 114 Mode of failure:	Sample Numl	per: U20			
Specimen condition: Undisturbed Length (mm): 102.5 Moisture Content (%): 28 Buik Density (Mg/m?): 1.59 Test details 159 Latex membrane thickness (mm): 0.3 Membrane correction (KPa): 210 Strain at failure (%): 5.9 Maximum Deviator Stress (kPa): 210 Strain at failure (%): 5.9 Maximum Deviator Stress (kPa): 114 Mode of failure:			Single Stage Specimen		
Shear Stress Cu (kPa): 114 Mode of failure:	S L E E T T L S S	Specimen condition: .ength (mm): Diameter (mm): Moisture Content (%): Bulk Density (Mg/m³): Dry Density (Mg/m³): Test details atex membrane thickness (mm): Membrane correction (kPa): xial displacement rate (%/min): Sell pressure (kPa): train at failure (%):	Single Specimen Undisturbed 202.0 102.5 28 2.03 1.59 0.3 0.4 2.0 210 5.9 5.9		Orientation and position of sample
Approved GEO / 18238 itials: Project Name: 39 COLLEGE CRESCENT, LONDON NW3 5LD UKAS	S	hear Stress Cu (kPa):			
Approved GEO / 18238 itials: Project Name: 39 COLLEGE CRESCENT, LONDON NW3 5LD UKAS			J]
itials:		Project Number:			
	tials:	Project Name:			GEOLABS ®
12/05/2012 Job Number: J12079	SB ate: 12/05/2012			UKAS TESTING 1982	

Test Report by GEOLABS Limited Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX Authorised Signatories: • J R Masters (Qual Mgr) • C F Wallace (Tech Mgr) • J Sturges (Ops Mgr) [X] Simon Burke (Snr Tech) • J J M Powell (Tech Dir) Client: Geotechnical & Environmental Associates Limited, Tyttenhanger House, Courses Road, St Albans, Hertfordshire AL4 0PG © GEOLABS LIMITED

(Ref5041.466678) Page 1 of 1 GEOLABS®

	BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test					
Borehole Nu Sample Num Depth (m):	I	Description: Very stiff fissured grey-brown CLA' with rare pyrite	Y			
		Single Stage Specimen				
	Specimen details	Single Specimen				
	Specimen condition:	Undisturbed		ble ad		
	Length (mm): Diameter (mm):	201.5		Orientation and position of sample		
	Moisture Content (%):	102.3 30		entati		
	Bulk Density (Mg/m ³):	2.02		Orie		
	Dry Density (Mg/m ³):	1.55				
	Test details		· · · · · · · · · · · · · · · · · · ·	-		
	Latex membrane thickness (mm):	0.3				
	Membrane correction (kPa):	0.3				
	Axial displacement rate (%/min):	2.0				
	Cell pressure (kPa):	270				
	Strain at failure (%): Maximum Deviator Stress (kPa):	4.0				
	Shear Stress Cu (kPa):	374 187				
	······································		·····	4		
	Mode of failure:					
Checked and Approved itials: <i>SB</i> ^{ate:} 12/05/2012	GEO Project Name: 39 COLLEGE CRESC) / 18238 ENT, LONDON NW3 5LD aber: J12079		GEOLABS ®		

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Test Report by GEOLABS Limited Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX Authorised Signatories: • J R Masters (Qual Mgr) • C F Wallace (Tech Mgr) • J Sturges (Ops Mgr) [X] Simon Burke (Snr Tech) • J J M Powell (Tech Dir) Client: Geolechnical & Environmental Associates Limited, Tytlenhanger House, Courses Road, St Albans, Hertfordshire AL4 DPG © GEOLABS LIMITED

(Ref5D41.466701) Page 1 of 1 GEOLABS®

		7 : Part 7 : Clause 8 : 1990 ed Triaxial Compressio	n Test	
Borehole Nur Sample Num Depth (m):	11	Description: Stiff fissured grey-brown silty C	LAY	
	2 November - Andreas	Single Stage Specimen		
	Specimen details	Single Specimen		
	Specimen condition: Length (mm): Diameter (mm): Moisture Content (%):	Undisturbed 202.0 102.6 25		Orientation and position of sample
[Bulk Density (Mg/m³): Dry Density (Mg/m³): Fest details	2.06 1.65		
r A C S N	Latex membrane thickness (mm): Membrane correction (kPa): Axial displacement rate (%/min): Cell pressure (kPa): Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress Cu (kPa):	0.3 0.3 2.0 330 3.7 271 136		
Γ	<i>l</i> ode of failure:			
Checked and	Project Number:			
Approved nitials: B late: 12/05/2012	Project Name: 39 COLLEGE CRESC) / 18238 ENT, LONDON NW3 5LD		GEOLABS ®
		iber: J12079	1982	

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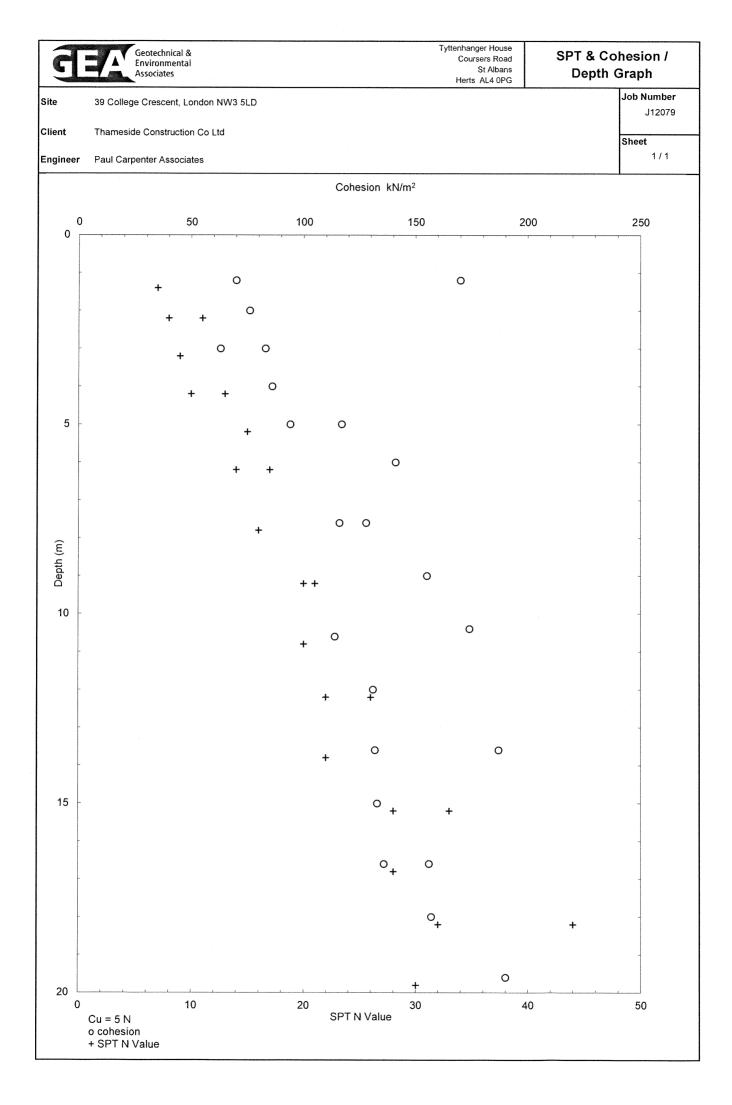
Test Report by GEOLABS Limited Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 BXX © GEOLABS LIMITED Authorised Signatories: • J R Masters (Qual Mgr) • C F Wallace (Tech Mgr) • J Sturges (Qps Mgr) [X] Simon Burke (Snr Tech) • J J M Poweli (Tech Dir) Client: Geotechnical & Environmental Associates Limited, Tyttenhanger House, Courses Road, St Albans, Hertfordshire AL4 0PG

(Ref5041.466713) Page 1 of 1 GEOLABS®

BS1377 : Part 7 : Clause 8 : 1990 Quick Undrained Triaxial Compression Test						
Borehole Nu Sample Num Depth (m):		Description: Very fissured grey-brown CLAY rare pyrite nodules	' with			
		Single Stage Specimen				
Г	Specimen details	Single Specimen				
	Specimen condition: Length (mm): Diameter (mm):	Undisturbed 201.5 102.1		Orientation and position of sample		
	Moisture Content (%): Bulk Density (Mg/m³): Dry Density (Mg/m³): Test details	26 2.05 1.62		Orie		
	Latex membrane thickness (mm): Membrane correction (kPa): Axial displacement rate (%/min): Cell pressure (kPa):	0.3 0.3 2.0 390				
r	Strain at failure (%): Maximum Deviator Stress (kPa): Shear Stress Cu (kPa):	4.0 379 190				
Ň	Mode of failure:					
·						
hecked and	Project Number:		ri-			
tials: <i>SB</i>						
te: 12/05/2012 Report by GEOLABS Lin	2/05/2012 Job Number: J12079 1982					

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(Ref5041.466725) Page 1 of 1 GEQLABS®



GEA

Tyttenhanger House

Coursers Road

St Albans Herts

AL4 0PG

FAO Rosie Rafferty

LABORATORY TEST REPORT



Results of analysis of 5 samples received 23 April 2012

J12079 - 39 College Crescent

Report Date 02 May 2012

_ogin E	Batch No						204740		
Chemte	est LIMS ID				AH24466	AH24467	AH24468	AH24469	AH24470
Sample	ID				TP2	BH1	BH2	BH3	BH1
Sample	No								
Samplir	ng Date				30/12/1899	30/12/1899	30/12/1899	30/12/1899	30/12/1899
Depth					0.50m	0.40m	0.30m	0.40m	0.80m
Matrix					SOIL	SOIL	SOIL	SOIL	SOIL
SOP↓	Determinand↓	CAS No↓	Units↓		*				
2300	Cyanide (total)	57125	mg kg-1	М	<0.50	<0.50	<0.50	<0.50	<0.50
2325	Sulfide (Easily Liberatable)	18496258	mg kg-1	М	4.3	3.5	2.4	3.1	1.6
2625	Total Organic Carbon		%	М	2.6	2.3	1.7	0.47	2.3
2220	Chloride (extractable)	16887006	g l-1	М	0.015	<0.010	<0.010	0.024	<0.010
2430	Sulfate (total) as SO4		mg kg-1	М	<100	<100	<100	<100	<100
2450	Arsenic	7440382	mg kg-1	М	15	14	9.3	8.7	15
	Cadmium	7440439	mg kg-1	М	0.20	<0.10	<0.10	<0.10	<0.10
	Chromium	7440473	mg kg-1	М	21	22	19	16	27
	Copper	7440508	mg kg-1	М	37	46	20	25	30
	Mercury	7439976	mg kg-1	М	0.47	0.65	0.25	0.48	0.43
	Nickel	7440020	mg kg-1	М	18	20	16	17	26
	Lead	7439921	mg kg-1	М	410	450	210	390	290
	Selenium	7782492	mg kg-1	М	0.23	0.29	<0.20	<0.20	0.27
	Zinc	7440666	mg kg-1	М	250	90	100	89	74
2670	TPH >C5-C6		mg kg-1	U	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	TPH >C6-C7		mg kg-1	U	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	TPH >C7-C8		mg kg-1	М	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	TPH >C8-C10		mg kg-1	М	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	TPH >C10-C12		mg kg-1	М	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	TPH >C12-C16		mg kg-1	М	1.2	< 0.1	1.5	< 0.1	< 0.1
	TPH >C16-C21		mg kg-1	М	5.0	< 0.1	3.1	< 0.1	< 0.1
	TPH >C21-C35		mg kg-1	М	15	< 0.1	9.2	< 0.1	< 0.1
	Total Petroleum Hydrocarbons		mg kg-1	U	21	< 10	14	< 10	< 10
2700	Naphthalene	91203	mg kg-1	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Acenaphthylene	208968	mg kg-1	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Acenaphthene	83329	mg kg-1	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Fluorene	86737	mg kg-1	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

All tests undertaken between 24/04/2012 and 01/05/2012

* Accreditation status

Column page 1 Report page 1 of 2 LIMS sample ID range AH24466 to AH24470 GEA

Tyttenhanger House

Coursers Road

St Albans Herts

AL4 0PG

FAO Rosie Rafferty

LABORATORY TEST REPORT



Report Date

02 May 2012

Results of analysis of 5 samples

received 23 April 2012

J12079 - 39 College Crescent

							204740		
					AH24466	AH24467	AH24468	AH24469	AH24470
					TP2	BH1	BH2	BH3	BH1
					30/12/1899	30/12/1899	30/12/1899	30/12/1899	30/12/1899
					0.50m	0.40m	0.30m	0.40m	0.80m
					SOIL	SOIL	SOIL	SOIL	SOIL
2700	Phenanthrene	85018	mg kg-1	M	0.56	0.19	0.4	< 0.1	< 0.1
	Anthracene	120127	mg kg-1	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
	Fluoranthene	206440	mg kg-1	M	1.3	0.42	1.1	< 0.1	< 0.1
	Pyrene	129000	mg kg-1	М	1.2	0.42	0.67	< 0.1	< 0.1
	Benzo[a]anthracene	56553	mg kg-1	М	0.62	< 0.1	0.44	< 0.1	< 0.1
	Chrysene	218019	mg kg-1	М	0.8	< 0.1	0.44	< 0.1	< 0.1
	Benzo[b]fluoranthene	205992	mg kg-1	М	0.76	< 0.1	0.59	< 0.1	< 0.1
	Benzo[k]fluoranthene	207089	mg kg-1	М	0.49	< 0.1	0.47	< 0.1	< 0.1
	Benzo[a]pyrene	50328	mg kg-1	М	0.84	< 0.1	0.23	< 0.1	< 0.1
	Dibenzo[a,h]anthracene	53703	mg kg-1	М	< 0.1	< 0.1	1.2	< 0.1	< 0.1
	Indeno[1,2,3-cd]pyrene	193395	mg kg-1	М	0.35	< 0.1	0.25	< 0.1	< 0.1
	Benzo[g,h,i]perylene	191242	mg kg-1	М	0.59	< 0.1	0.27	< 0.1	< 0.1
	Total (of 16) PAHs		mg kg-1	М	7.5	< 2	6.1	< 2	< 2
2920	Phenols (total)		mg kg-1	N	<0.3	<0.3	<0.3	<0.3	<0.3
2010	рН			М	7.9	7.8	8.0	9.1	7.7
2030	Moisture		%	n/a	14.6	14.3	11.8	12.2	19
	Stones content (>50mm)		%	n/a	<0.02	<0.02	<0.02	<0.02	<0.02
2040	Soil colour			n/a	brown	brown	brown	brown	brown
	Soil texture			n/a	sand	sand	sand	sand	sand
	Other material			n/a	stones	stones	stones	stones	stones

GEA	Geotechnical & Environmental Associates	Tyttenhanger House Coursers Road St Albans AL4 0PG	: Risk-Based Soil deline Values
Site	39 College Crescent, London NW3 5LD	· · · · · · · · · · · · · · · · · · ·	 Job Number J12079
Client	Thameside Construction Co Ltd		Sheet
Engineer	Paul Carpenter Associates		1/1
	Proposed End Use Residential with plant uptake		 .

Soil pH 8

Soil Organic Matter content % 2.5

Contaminant	Guideline Value mg/kg	Data Source	Contaminant	Guideline Value mg/kg	Data Source
	Metals		A	nions	
Arsenic	32	SGV	Soluble Sulphate	0.5 g/l	Structures
Cadmium	10	SGV	Sulphide	50	Structures
Chromium (III)	3000	LQM/CIEH	Chloride	400	Structures
Chromium (VI)	4.3	LQM/CIEH	C	Others	
Copper	2,330	LQM/CIEH	Organic Carbon (%)	6	Methanogenic poter
Lead	450	withdrawn SGV	Total Cyanide	140	WRAS
Elemental Mercury	1	SGV	Total Mono Phenols	290	SGV
Inorganic Mercury	170	SGV		PAH	
Nickel	130	LQM/CIEH	Naphthalene	3.70	LQM/CIEH
Selenium	350	SGV	Acenaphthylene	400	LQM/CIEH
Zinc	3,750	LQM/CIEH	Acenaphthene	480	LQM/CIEH
F	lydrocarbons		Fluorene	380	LQM/CIEH
Benzene	0.18	SGV	Phenanthrene	200	LQM/CIEH
Toluene	320	SGV	Anthracene	4,900	LQM/CIEH
Ethyl Benzene	180	SGV	Fluoranthene	460	LQM/CIEH
Xylene	120	SGV	Pyrene	1,000	LQM/CIEH
Aliphatic C5-C6	55	LQM/CIEH	Benzo(a) Anthracene	4.7	LQM/CIEH
Aliphatic C6-C8	160	LQM/CIEH	Chrysene	8	LQM/CIEH
Aliphatic C8-C10	46	LQM/CIEH	Benzo(b) Fluoranthene	6.5	LQM/CIEH
Aliphatic C10-C12	230	LQM/CIEH	Benzo(k) Fluoranthene	9.6	LQM/CIEH
Aliphatic C12-C16	1700	LQM/CIEH	Benzo(a) pyrene	0.94	LQM/CIEH
Aliphatic C16-C35	64,000	LQM/CIEH	Indeno(1 2 3 cd) Pyrene	3.9	LQM/CIEH
Aromatic C6-C7	See Benzene	LQM/CIEH	Dibenzo(a h) Anthracene	0.86	LQM/CIEH
Aromatic C7-C8	See Toluene	LQM/CIEH	Benzo (g h i) Perylene	46	LQM/CIEH
Aromatic C8-C10	65	LQM/CIEH	Total PAH	6.3	B(a)P / 0.15
Aromatic C10-C12	160	LQM/CIEH	Chlorina	ted Solven	ts
Aromatic C12-C16	310	LQM/CIEH	1,1,1 trichloroethane (TCA)	12.9	LQM/CIEH
Aromatic C16-C21	480	LQM/CIEH	tetrachloroethane (PCA)	2.1	LQM/CIEH
Aromatic C21-C35	1100	LQM/CIEH	tetrachloroethene (PCE)	2.1	LQM/CIEH
PRO (C ₅ –C ₁₀)	646	Calc	trichloroethene (TCE)	0.22	LQM/CIEH
DRO (C ₁₂ –C ₂₈)	66,490	Calc	1,2-dichloroethane (DCA)	0.008	LQM/CIEH
Lube Oil (C ₂₈ –C ₄₄)	65,100	Calc	vinyl chloride (Chloroethene)	0.00064	LQM/CIEH
ТРН	500	Trigger for speciated	tetrachloromethane (Carbon tetra	0.039	LQM/CIEH
		testing	trichloromethane (Chloroform)	1.3	LQM/CIEH

Notes

Concentrations measured below the above values may be considered to represent 'uncontaminated conditions' which do not pose a risk to human health. Concentrations measured in excess of these values indicate a potential risk, and thus require further, site specific risk assessment.

SGV - Soil Guideline Value, derived from the CLEA model and published by Environment Agency 2009

withdrawn SGV - Former SGV, derived from the CLEA 2000 model and published by DEFRA pending confirmation of new approach to modeling lead

LQM/CIEH - Generic Assessment Criteria for Human Health Risk Assessment 2nd edition (2009) derived using CLEA 1.04 model 2009

Calc - sum of nearest available carbon range specified including BTEX for PRO fraction

B(a)P / 0.15 - GEA experince indicates that Benzo(a) pyrene (one of the most common and most carcenogenic of the PAHs) rarely exceeds 15% of the total PAH concentration, hence this Total PAH threshold is regarded as being conservative



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number: 38405051_1_1

Customer Reference: J12079

National Grid Reference: 526540, 184540

Slice: A

Site Area (Ha): 0.13 Search Buffer (m): 1000

Site Details:

College Crescent LONDON NW3 5LD

Client Details:

Mr S Branch GEA Ltd Tyttenhanger House Coursers Road St Albans Herts AL4 0PG

Prepared For:

Thameside Construction





Contents

Report Section	Page Number
Summary	-
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Geological	7
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and the Health Protection Agency.

Report Version v47.0



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1		2	6	9
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3			1	(*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 4		1		
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 6				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 6			2	
Registered Waste Treatment or Disposal Sites					



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites					
BGS 1:625,000 Solid Geology	pg 7	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 8		20	n/a	n/a
Fuel Station Entries	pg 9		1		3



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					



	Details	Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	B P Harmony 104a Finchley Road, London, NW3 5EY London Borough of Camden, Pollution Projects Team Not Given 1st July 1999 Local Authority Air Pollution Control PG1/14 Petrol filling station Authorised Automatically positioned to the address	A13NW (W)	47	1	526471 184554
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Bp Harmony 104a Finchley Road, LONDON, NW3 5EY London Borough of Camden, Pollution Projects Team PPC18 1st July 1999 Local Authority Pollution Prevention and Control PG1/14 Petrol filling station Permitted	A13NW (W)	47	1	526471 184554
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Swiss Cottage Dry Cleaners 121 Finchley Road, London, Nw3 6hy London Borough of Camden, Pollution Projects Team PPC/DC10 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A13SE (S)	262	1	526626 184270
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Is Dry Cleaners 6 Canfield Gardens, London, Nw6 3bs London Borough of Camden, Pollution Projects Team PPC/DC18 5th February 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A13NW (NW)	287	1	526257 184662
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Kings 25 Winchester Road, London, E4 London Borough of Waltham Forest, Environmental Health Department DC05 Not Supplied Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted	A13SE (SE)	342	2	526812 184310
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Connoisseur Dry Cleaners 3-5 Fairhazel Gardens, London, Nw6 3qe London Borough of Camden, Pollution Projects Team PPC/DC11 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted	A8NW (SW)	484	1	526262 184119
Local Authority Pol	lution Prevention and Controls				
Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Sqweaky Clean Professional Dry Cleaners 13 Fairhazel Gardens, London, Nw6 3qe London Borough of Camden, Pollution Projects Team PPC/DC37 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A8NW (SW)	485	1	526237 184134
	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy: Local Authority Pol Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Process Type: Description: Status:	Location: 104a Finchiey Road, London, NW3 5EY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Jasted: 1st July 1999 Process Type: Local Authority Air Pollution Control Description: PG11/4 Pertor filling station Status: Authorised Positional Accuracy: Automatically positioned to the address Local Authority Pollution Prevention and Controls Name: Bp Harmony Location: 104a Finchley Road, LONDON, NW3 5EY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC18 Dated: 1st July 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG11/4 Pertof filling station Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG11/4 Pertof filling station Status: Permitted Positional Accuracy: Automatically positioned to the address Local Authority Pollution Prevention and Control Description: PG1/4 Pertof filling station Status: Permitted Positional Accuracy: Automatically positioned to the address Local Authority Pollution Prevention and Control Description: PG1/4 Danagr 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by Supplet to within 10m Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning St	Local Authority Pollution Prevention and Controls A13NW Local Authority Pollution Prevention and Control A13NW Authority: London Borough of Camden, Pollution Projects Team A13NW Parmit Reference: Name: Local Authority At Pollution Control A13NW Description: PC4/14 Perrol filing station A13NW (W) Authority: Authority At Pollution Control A13NW Description: PC4/14 Perrol filing station A13NW Name: Bp Hamony A13NW Local Authority Pollution Prevention and Control A13NW Description: PC4/14 Perrol filing station A13NW Status: Permitted A13NW Protess Type: Local Authority Pollution Prevention and Control Status: Description: PC1/14 Petrol filing station Status: Permitted Gardens, London, Nvd 8 by Cocal Authority Pollution Prevention and Control Description: PC0/14 Petrol filing station A13SE Name: S Confige Dry Cleaners Local Authority Pollution Prevention and Control PC0/14 Petrol filing station Name: Local Authori	Interaction Prom Site Local Authority Pollution Prevention and Controls A13NW 47 Name: B P Harmony A13NW 47 Local Authority Pollution Prevention and Control Milestration 47 Date: Ist July 1989 Atthority Air Pollution Control 41 Description: PG 1/4 Petrol filling station Atthority Air Pollution Prevention and Controls A13NW Name: B P Harmony Local Authority Pollution Prevention and Controls A13NW 47 Local Authority Pollution Prevention and Controls A13NW 47 A13NW 47 Local Authority Pollution Prevention and Controls A13NW 47 A13NW 47 Dated: 1st July 1989 Process Type: Local Authority Pollution Prevention and Controls A13SE (S) 262 Name: Swiss Contage of Contage Prevention and Controls A13SE (S) A13SE 262 Local Authority Pollution Prevention and Controls A13SE (S) A13SE (S) A13SE 262 262 Local Authority Pollution Prevention and Contro	Local Authority Politicion Prevention and ControlsA13NV471Name: hame: <b< td=""></b<>



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Pol	Iution Prevention and Controls				
6	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Hampstead Express Dry Cleaning 279a Finchley Road, London, Nw3 6lt London Borough of Camden, Pollution Projects Team PPC/DC6 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A17SE (NW)	493	1	526178 184902
	Local Authority Pol	Iution Prevention and Controls				
6	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Janets Hand Laundry Ltd 281a Finchley Road, London, Nw3 6nd London Borough of Camden, Pollution Projects Team PPC/DC14 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A17SE (NW)	516	1	526167 184924
	Local Authority Pol	lution Prevention and Controls				
7	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Pyramid Cleaners 52 Besize Lane, London, Nw3 5ar London Borough of Camden, Pollution Projects Team PPC/DC8 1st January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A18SE (NE)	532	1	526872 184985
	Local Authority Pol	Iution Prevention and Controls				
8	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Masterclean Dry Cleaners 6 Langtry Walk, London, Nw8 Odu London Borough of Camden, Pollution Projects Team PPC/DC38 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A8NW (S)	546	1	526352 184004
	Local Authority Pol	Iution Prevention and Controls				
9	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Belsize Park Service Station 215 Haverstock Hill, LONDON, NW3 4RE London Borough of Camden, Pollution Projects Team PPC21 2nd January 1999 Local Authority Pollution Prevention and Control PG1/14 Petrol filling station Permitted Automatically positioned to the address	A19NW (NE)	919	1	527187 185227
	Local Authority Pol	lution Prevention and Controls				
10	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Perkins Dry Cleaners 171 Haverstock Hill, London, Nw3 4qs London Borough of Camden, Pollution Projects Team PPC/DC7 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A19SE (NE)	927	1	527342 185055
	Local Authority Pol	lution Prevention and Controls				
10	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Swan Dry Cleaners 163 Haverstock Hill, London, Nw3 4qt London Borough of Camden, Pollution Projects Team PPC/DC42 24th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A19SE (NE)	940	1	527371 185032



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Iution Prevention and Controls Chequers Textile Care Ltd 48 Englands Lane, London, Nw3 4ue London Borough of Camden, Pollution Projects Team PPC/DC47 5th December 2006 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A14NE (E)	936	1	527498 184580
		lution Prevention and Controls				
12	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	William J Humpage 12-13 West Hampstead Mews, LONDON, NW6 3BB London Borough of Camden, Pollution Projects Team Not Given Not Supplied Local Authority Air Pollution Control Part B process (no specific reference) Application Withdrawn Manually positioned to the address or location	A12NW (W)	946	1	525567 184544
		lution Prevention and Controls				
13	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Ivy Dry Cleaner 4 Queens Terrace, London, Nw8 6dx Westminster City Council, Environmental Health Department 06/40583/EE1EP 14th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A8SE (S)	987	3	526672 183539
	Nearest Surface Wa	ter Feature				
			A13SE (SE)	303	-	526752 184301
14	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	London Borough Of Camden 28/39/39/0219 1 Swiss Cottage Open Space- Borehole Environment Agency, Thames Region Municipal Grounds: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Swiss Cottage Open Space, Winchester Road, London. 01 January 31 December 1st April 2008 Not Supplied Located by supplier to within 10m	A13SE (SE)	352	4	526800 184280
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised Start: Authorised End: Permit End Date: Positional Accuracy:	Thames Water Utilities Ltd 28/39/39/0231 1 Barrow Hill Pumping Station - Borehole Environment Agency, Thames Region Public Water Supply: Potable Water Supply - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Barrow Hill Pumping Station 01 January 31 December 1st April 2007 Not Supplied Located by supplier to within 10m	A10SW (SE)	1377	4	527640 183690



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator:	Thames Water Utilities Ltd	A10SW	1377	4	527640
	Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	28/39/39/0202 1 Barrow Hill Pumping Station - Borehole Environment Agency, Thames Region Public Water Supply: Potable Water Supply - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Barrow Hill Pumping Station 01 January 31 December 26th September 2002 Not Supplied Located by supplier to within 10m	(SE)			183690
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Zoological Society Of London 28/39/39/0035 100 Borehole At Regent'S Park, London Nw1 Environment Agency, Thames Region Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural) Water may be abstracted from a single point Groundwater 59 681 Regent'S Park, London Nw1 01 January 31 December 4th April 1966 Not Supplied Located by supplier to within 100m	A5NE (SE)	1839	4	528000 183400
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	British Waterways Board 28/39/39/0173 100 Oval Road, Camden - Grand Union Regents Canal Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Water may be abstracted from a single point Surface 20 7000 Land At Oval Road, Camden, London 01 January 31 December 8th December 1994 Not Supplied Located by supplier to within 10m	(E)	2000	4	528490 184020
	Groundwater Vulne Soil Classification: Map Sheet: Scale:	rability Not classified Sheet 39 West London 1:100,000	A13NE (W)	0	4	526538 184541
	Drift Deposits None					
	Bedrock Aquifer De	-	A (0)/=		_	F0070-
		Unproductive Strata	A13NE (W)	0	5	526538 184541
	Superficial Aquifer	νεσιγιιαμυπο				
15	Source Protection 2 Name: Source: Reference: Type:	Zones Barrow Hill Environment Agency, Head Office Th405 Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SE (SE)	127	4	526655 184462
	Extreme Flooding fi None	rom Rivers or Sea without Defences				
	Flooding from River	rs or Sea without Defences				
	Areas Benefiting fro	om Flood Defences				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas				
	None				
	Flood Defences				
	None				



Waste

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Historical Landfill S	lites				
16	Licence Holder: Location: Name: Operator Location: Boundary Accuracy: Provider Reference: First Input Date: Last Input Date: Specified Waste Type: EA Waste Ref: Regis Ref: WRC Ref: BGS Ref: Other Ref:		A12NE (NW)	509	4	526074 184790
	Local Authority Lan	dfill Coverage				
	Name:	London Borough of Camden - Has no landfill data to supply		0	7	526538 184541
	Local Authority Lan Name:			630	3	526477 183890
	Registered Waste T	ransfer Sites				
17	Licence Holder: Licence Reference: Site Location: Operator Location: Authority: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Preceded By Licence: Superseded By Licence: Positional Accuracy: Boundary Quality: Authorised Waste Prohibited Waste	P B Donoghue DL140 BR Goods Yard at 269 Finchley Road, CAMDEN, London, NW3 As Site Address Environment Agency - Thames Region, North East Area Transfer Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled 1st February 1992 DL140 Not Given	A12NE (NW)	399	4	526200 184780
17	Registered Waste T Licence Holder: Licence Reference: Site Location: Operator Location: Authority: Site Category: Max Input Rate: Waste Source Restrictions: Licence Status: Dated: Preceded By Licence: Superseded By Licence: Positional Accuracy: Boundary Quality: Authorised Waste Prohibited Waste	P B Donoghue	A12NE (NW)	399	4	526200 184780



Geological

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology					
	Description:	London Clay	A13NE (W)	0	5	526538 184541
	Coal Mining Affecte	ed Areas				
	In an area which may not be affected by coal mining					
	Non Coal Mining Areas of Great Britain					
	No Hazard					
	Potential for Collapsible Ground Stability Hazards					
	Hazard Potential:	Very Low	A13NE	0	5	526538
	Source:	British Geological Survey, National Geoscience Information Service	(W)			184541
	Potential for Compressible Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Groun	d Dissolution Stability Hazards				
	No Hazard					
	Potential for Lands	lide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Landslide Ground Stability Hazards					
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	A13NW (NW)	249	5	526337 184712
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Shrinking or Swelling Clay Ground Stability Hazards					
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Radon Potential - R	adon Affected Areas				
	Affected Area:	The property is in a lower probability radon area, as less than 1% of homes are above the action level	A13NE (W)	0	5	526538 184541
	Source:	British Geological Survey, National Geoscience Information Service				
	Radon Potential - Radon Protection Measures					
	Protection Measure:	No radon protective measures are necessary in the construction of new dwellings or extensions	A13NE (W)	0	5	526538 184541
	Source:	British Geological Survey, National Geoscience Information Service				



Industrial Land Use

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Bp Hampstead Service Station A, 104, Finchley Road, London, NW3 5EY Petrol Filling Stations - 24 Hour Active Automatically positioned to the address	A13NW (W)	47	-	526471 184554
	Contemporary Trad					
19	Name: Location: Classification: Status:	Kwik-Fit 1, Northways Parade, London, NW3 5EN Tyre Dealers Inactive Automatically positioned to the address	A13SE (SE)	66	-	526596 184482
	Contemporary Trad	e Directory Entries				
19	Name: Location: Classification: Status:	Speedway 1, Northways Parade, London, NW3 5EN Garage Services Active Automatically positioned to the address	A13SE (SE)	66	-	526596 184482
20	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Clean 4 You 55, Belsize Park, London, NW3 4EE Cleaning Services - Domestic Inactive Automatically positioned to the address	A13NE (E)	89	-	526650 184571
21	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Agfa-Digital Photosnap Ltd 171, Finchley Road, London, NW3 6LB Photographic Processors Inactive Automatically positioned to the address	A13SW (W)	95	-	526419 184522
	Contemporary Trad					
22	Name: Location: Classification: Status:	Bonsai Breakdown Flat 7, Noel House, Harben Road, London, NW6 4RL Car Breakdown & Recovery Services Inactive Automatically positioned to the address	A13SW (S)	98	-	526510 184423
23	Contemporary Trad Name: Location: Classification: Status:		A13SE (S)	122	-	526586 184404
23	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Kall Kwik 3, Harben Parade, Finchley Road, London, NW3 6JP Printers Inactive Automatically positioned to the address	A13SE (S)	122	-	526586 184404
23	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries A K Design & Print 3, Harben Parade, Finchley Road, London, NW3 6JP Printers Active Manually positioned to the address or location	A13SE (S)	122	-	526586 184404
24	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Trans-World Trading Ltd 24, Northways Parade, London, NW3 5DN Photographic Equipment & Supplies - Wholesale Active Automatically positioned to the address	A13SE (SE)	126	-	526630 184429
24	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Smart Choice 23, Northways Parade, London, NW3 5DN Dry Cleaners Active Automatically positioned to the address	A13SE (SE)	126	-	526630 184429
25	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Synpart Charles House, 108-110, Finchley Road, London, NW3 5JJ Manufacturers Active Manually positioned within the geographical locality	A13NW (NW)	145	-	526395 184617