PROJECT NAME **39 COLLEGE CRESCENT, LONDON NW3 5LD**

Job Number: J12079

PROJECT NO: **GEO / 18238**

Date	12/05/2012
Approved	*Simon Burke*
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Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression Tests			Chemical Tests			
Borehole No.	Depth (m)	No.	Type	Description	MC (%)	LL (%)	PL (%)	PI (%)	<425 mic (%)	Bulk (Mg/m³)	Dry (Mg/m³)	Cell Pressure (kPa)	Deviator Stress (kPa)	Shear Stress (kPa)	pH	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

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BS1377 : Part 7 : Clause 8 : 1990

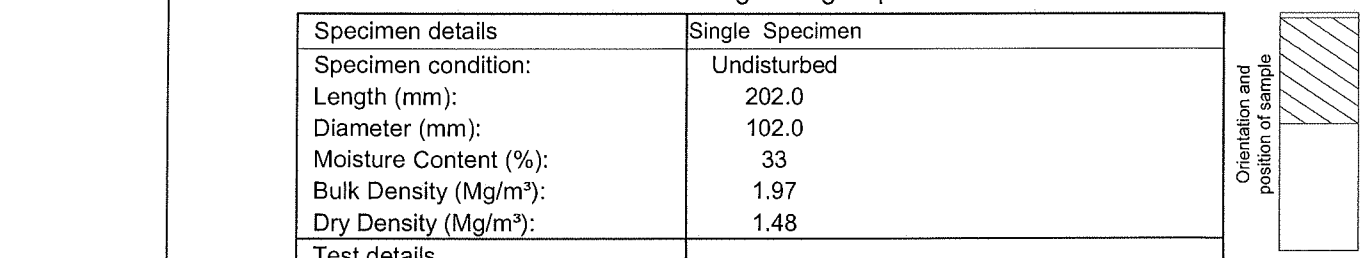
Quick Undrained Triaxial Compression Test

Borehole Number: 1 Sample Number: U5 Depth (m): 2.00	Description: Stiff brown CLAY with blue-grey veins

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.0
Moisture Content (%):	33
Bulk Density (Mg/m³):	1.97
Dry Density (Mg/m³):	1.48
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.6
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

Orientation and position of sample



Mode of failure:

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Date: 12/05/2012	39 COLLEGE CRESCENT, LONDON NW3 5LD	Job Number: J12079

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Quick Undrained Triaxial Compression Test

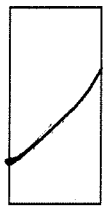
Borehole Number:	1
Sample Number:	U10
Depth (m):	4.00

Description:
Stiff brown CLAY with blue-grey veins

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	101.7
Moisture Content (%):	32
Bulk Density (Mg/m³):	1.99
Dry Density (Mg/m³):	1.51
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.7
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	80
Strain at failure (%):	9.9
Maximum Deviator Stress (kPa):	172
Shear Stress Cu (kPa):	86

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

Borehole Number: 1 Sample Number: U14 Depth (m): 6.00	Description: Stiff fissured brown CLAY with blue-grey veins

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	101.9
Moisture Content (%):	30
Bulk Density (Mg/m³):	1.99
Dry Density (Mg/m³):	1.53
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.4
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	120
Strain at failure (%):	5.0
Maximum Deviator Stress (kPa):	282
Shear Stress Cu (kPa):	141

Orientation and position of sample

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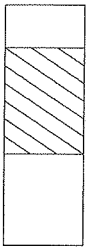
Quick Undrained Triaxial Compression Test

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:	Undisturbed
Length (mm):	201.5
Diameter (mm):	102.1
Moisture Content (%):	28
Bulk Density (Mg/m³):	2.04
Dry Density (Mg/m³):	1.59
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.5
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	180
Strain at failure (%):	7.4
Maximum Deviator Stress (kPa):	309
Shear Stress Cu (kPa):	155

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

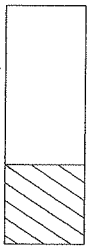
Borehole Number:	1
Sample Number:	U21
Depth (m):	12.00

Description:
Stiff fissured grey-brown CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	102.2
Moisture Content (%):	29
Bulk Density (Mg/m³):	2.01
Dry Density (Mg/m³):	1.56
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.4
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	240
Strain at failure (%):	6.0
Maximum Deviator Stress (kPa):	262
Shear Stress Cu (kPa):	131

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

Borehole Number:	1
Sample Number:	U24
Depth (m):	15.00

Description:
Stiff fissured grey-brown CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.4
Moisture Content (%):	29
Bulk Density (Mg/m³):	2.04
Dry Density (Mg/m³):	1.57
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.5
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	300
Strain at failure (%):	7.4
Maximum Deviator Stress (kPa):	265
Shear Stress Cu (kPa):	133

Orientation and position of sample

Mode of failure:

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Quick Undrained Triaxial Compression Test

Borehole Number:	1
Sample Number:	U27
Depth (m):	18.00

Description:
Stiff fissured grey-brown CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.0
Diameter (mm):	102.6
Moisture Content (%):	29
Bulk Density (Mg/m³):	2.04
Dry Density (Mg/m³):	1.58
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.5
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	360
Strain at failure (%):	7.0
Maximum Deviator Stress (kPa):	314
Shear Stress Cu (kPa):	157

Orientation and position of sample

Mode of failure:

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Quick Undrained Triaxial Compression Test

Borehole Number: 2 Sample Number: U3 Depth (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
Length (mm):	202.0
Diameter (mm):	101.8
Moisture Content (%):	27
Bulk Density (Mg/m³):	2.03
Dry Density (Mg/m³):	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):	340
Shear Stress Cu (kPa):	170

Orientation and position of sample

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Quick Undrained Triaxial Compression Test

Borehole Number:	2
Sample Number:	U8
Depth (m):	3.00

Description:
Stiff brown CLAY with grey veins
rare selenite crystals and pyrite nodules

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	101.6
Moisture Content (%):	31
Bulk Density (Mg/m³):	1.97
Dry Density (Mg/m³):	1.50
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.2
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	60
Strain at failure (%):	2.7
Maximum Deviator Stress (kPa):	167
Shear Stress Cu (kPa):	83

Orientation and position of sample

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Quick Undrained Triaxial Compression Test

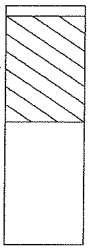
Borehole Number:	2
Sample Number:	U13
Depth (m):	5.00

Description:
Stiff brown CLAY with rare selenite crystals

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.0
Diameter (mm):	102.0
Moisture Content (%):	31
Bulk Density (Mg/m³):	2.00
Dry Density (Mg/m³):	1.53
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.5
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	100
Strain at failure (%):	7.0
Maximum Deviator Stress (kPa):	234
Shear Stress Cu (kPa):	117

Orientation and position of sample



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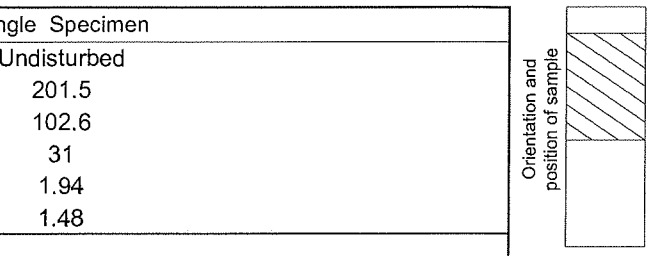
Quick Undrained Triaxial Compression Test

Borehole Number: 2 Sample Number: U16 Depth (m): 7.50	Description: Stiff fissured brown CLAY with rare selenite crystals

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	102.6
Moisture Content (%):	31
Bulk Density (Mg/m³):	1.94
Dry Density (Mg/m³):	1.48
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.4
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	150
Strain at failure (%):	5.0
Maximum Deviator Stress (kPa):	255
Shear Stress Cu (kPa):	128

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

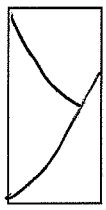
Borehole Number:	2
Sample Number:	U19
Depth (m):	10.50

Description:
Very stiff fissured brown CLAY with rare selenite crystals

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.0
Diameter (mm):	102.1
Moisture Content (%):	28
Bulk Density (Mg/m³):	2.03
Dry Density (Mg/m³):	1.58
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.4
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	210
Strain at failure (%):	6.0
Maximum Deviator Stress (kPa):	348
Shear Stress Cu (kPa):	174

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

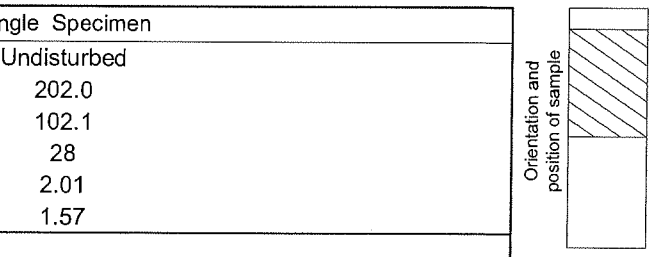
Borehole Number:	2
Sample Number:	U22
Depth (m):	13.50

Description:
Stiff fissured grey-brown CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.1
Moisture Content (%):	28
Bulk Density (Mg/m³):	2.01
Dry Density (Mg/m³):	1.57
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 (%):	4.2
Maximum Deviator Stress (kPa):	264
Shear Stress Cu (kPa):	132

Orientation and position of sample



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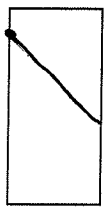

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Quick Undrained Triaxial Compression Test

Borehole Number:	2
Sample Number:	U25
Depth (m):	16.50

Description:
Very stiff fissured grey-brown CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.4
Moisture Content (%):	28
Bulk Density (Mg/m³):	2.02
Dry Density (Mg/m³):	1.57
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.6
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	330
Strain at failure (%):	7.9
Maximum Deviator Stress (kPa):	311
Shear Stress Cu (kPa):	156

Orientation and position of sample

Mode of failure:

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Quick Undrained Triaxial Compression Test

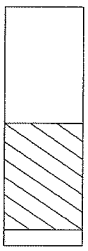
Borehole Number:	3
Sample Number:	U3
Depth (m):	1.20

Description:
Stiff brown CLAY with rare grey veins

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	102.1
Moisture Content (%):	31
Bulk Density (Mg/m³):	1.99
Dry Density (Mg/m³):	1.52
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.6
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	25
Strain at failure (%):	7.9
Maximum Deviator Stress (kPa):	141
Shear Stress Cu (kPa):	70

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

Borehole Number:	3
Sample Number:	U8
Depth (m):	3.00

Description:
Firm brown CLAY with rare orange silt and selenite crystals

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.0
Diameter (mm):	102.2
Moisture Content (%):	33
Bulk Density (Mg/m³):	1.95
Dry Density (Mg/m³):	1.46
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.6
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	60
Strain at failure (%):	8.0
Maximum Deviator Stress (kPa):	125
Shear Stress Cu (kPa):	63

Orientation and position of sample

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Quick Undrained Triaxial Compression Test

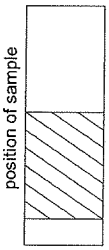
Borehole Number:	3
Sample Number:	U13
Depth (m):	5.00

Description:
Stiff fissured brown CLAY with rare orange silt and selenite crystals

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	101.2
Moisture Content (%):	31
Bulk Density (Mg/m³):	1.98
Dry Density (Mg/m³):	1.50
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.3
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	100
Strain at failure (%):	3.7
Maximum Deviator Stress (kPa):	188
Shear Stress Cu (kPa):	94

Orientation and position of sample



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Quick Undrained Triaxial Compression Test

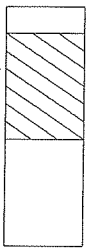
Borehole Number:	3
Sample Number:	U16
Depth (m):	7.50

Description:
Stiff fissured brown silty CLAY with
rare orange silt and selenite crystals

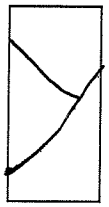
Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.4
Moisture Content (%):	31
Bulk Density (Mg/m³):	1.96
Dry Density (Mg/m³):	1.49
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.5
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	150
Strain at failure (%):	6.9
Maximum Deviator Stress (kPa):	231
Shear Stress Cu (kPa):	116

Orientation and position of sample



Mode of failure:



Checked and Approved Initials: SB Date: 12/05/2012	Project Number: GEO / 18238 Project Name: 39 COLLEGE CRESCENT, LONDON NW3 5LD Job Number: J12079	UKAS TESTING 1982

GEOLABS ®

BS1377 : Part 7 : Clause 8 : 1990

Quick Undrained Triaxial Compression Test

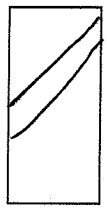
Borehole Number:	3
Sample Number:	U20
Depth (m):	10.50

Description:
Stiff fissured grey-brown CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.5
Moisture Content (%):	28
Bulk Density (Mg/m³):	2.03
Dry Density (Mg/m³):	1.59
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.4
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	210
Strain at failure (%):	5.9
Maximum Deviator Stress (kPa):	229
Shear Stress Cu (kPa):	114

Orientation and position of sample



Mode of failure:

Checked and Approved Initials: SB Date: 12/05/2012	Project Number: GEO / 18238 Project Name: 39 COLLEGE CRESCENT, LONDON NW3 5LD Job Number: J12079	UKAS TESTING 1982

GEOLABS ®

BS1377 : Part 7 : Clause 8 : 1990

Quick Undrained Triaxial Compression Test

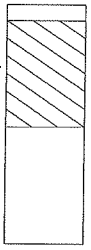
Borehole Number:	3
Sample Number:	U23
Depth (m):	13.50

Description:
Very stiff fissured grey-brown CLAY with rare pyrite

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	102.3
Moisture Content (%):	30
Bulk Density (Mg/m³):	2.02
Dry Density (Mg/m³):	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 (%):	4.0
Maximum Deviator Stress (kPa):	374
Shear Stress Cu (kPa):	187

Orientation and position of sample



Mode of failure:

Checked and Approved

Initials: SB

Date: 12/05/2012

Project Number: GEO / 18238

Project Name: 39 COLLEGE CRESCENT, LONDON NW3 5LD

Job Number: J12079

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BS1377 : Part 7 : Clause 8 : 1990

Quick Undrained Triaxial Compression Test

Borehole Number:	3
Sample Number:	U26
Depth (m):	16.50

Description:
Stiff fissured grey-brown silty CLAY

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	202.0
Diameter (mm):	102.6
Moisture Content (%):	25
Bulk Density (Mg/m³):	2.06
Dry Density (Mg/m³):	1.65
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.3
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	330
Strain at failure (%):	3.7
Maximum Deviator Stress (kPa):	271
Shear Stress Cu (kPa):	136

Orientation and position of sample

Mode of failure:

Checked and Approved	Project Number:	
Initials: SB	Project Name:	GEO / 18238
Date: 12/05/2012		39 COLLEGE CRESCENT, LONDON NW3 5LD
		Job Number: J12079

UKAS TESTING 1982

GEOLABS ®

BS1377 : Part 7 : Clause 8 : 1990

Quick Undrained Triaxial Compression Test

Borehole Number:	3
Sample Number:	U30
Depth (m):	19.50

Description:
Very fissured grey-brown CLAY with rare pyrite nodules

Single Stage Specimen

Specimen details	Single Specimen
Specimen condition:	Undisturbed
Length (mm):	201.5
Diameter (mm):	102.1
Moisture Content (%):	26
Bulk Density (Mg/m³):	2.05
Dry Density (Mg/m³):	1.62
Test details	
Latex membrane thickness (mm):	0.3
Membrane correction (kPa):	0.3
Axial displacement rate (%/min):	2.0
Cell pressure (kPa):	390
Strain at failure (%):	4.0
Maximum Deviator Stress (kPa):	379
Shear Stress Cu (kPa):	190

Orientation and position of sample

Mode of failure:

Checked and Approved

Initials: SB

Date: 12/05/2012

Project Number: GEO / 18238

Project Name: 39 COLLEGE CRESCENT, LONDON NW3 5LD

Job Number: J12079

UKAS TESTING 1982

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Coursers Road
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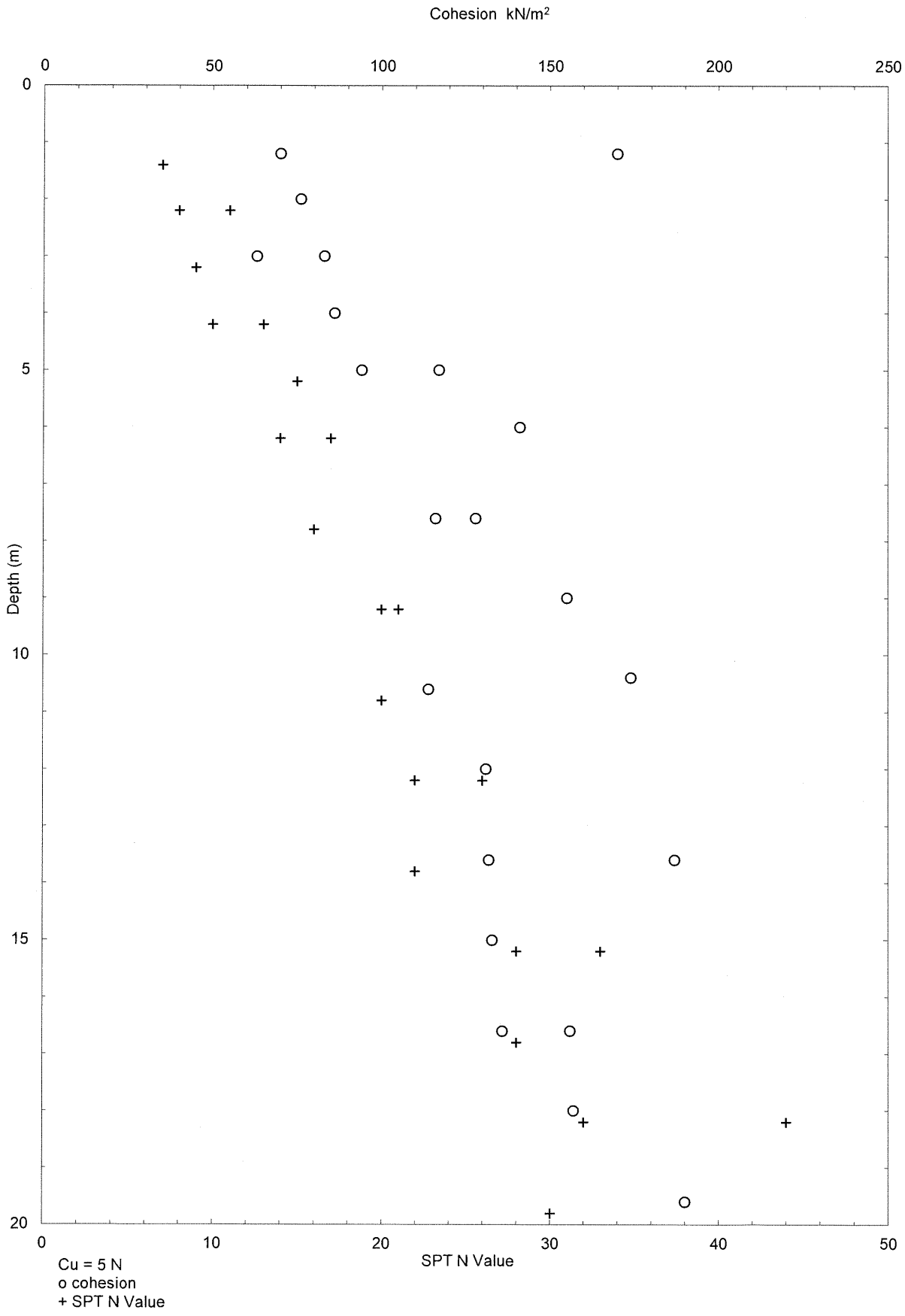
Herts AL4 0PG

SPT & Cohesion / Depth Graph

Site	39 College Crescent, London NW3 5LD
Client	Thameside Construction Co Ltd
Engineer	Paul Carpenter Associates

Job Number J12079

Sheet 1 / 1



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

Login Batch No					**204740**					
Chemtest LIMS ID					AH24466	AH24467	AH24468	AH24469	AH24470	
Sample ID					TP2	BH1	BH2	BH3	BH1	
Sample No										
Sampling 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	M	<0.50	<0.50	<0.50	<0.50	<0.50	
2325	Sulfide (Easily Liberatable)	18496258	mg kg-¹	M	4.3	3.5	2.4	3.1	1.6	
2625	Total Organic Carbon		%	M	2.6	2.3	1.7	0.47	2.3	
2220	Chloride (extractable)	16887006	g l-¹	M	0.015	<0.010	<0.010	0.024	<0.010	
2430	Sulfate (total) as SO4		mg kg-¹	M	<100	<100	<100	<100	<100	
2450	Arsenic	7440382	mg kg-¹	M	15	14	9.3	8.7	15	
	Cadmium	7440439	mg kg-¹	M	0.20	<0.10	<0.10	<0.10	<0.10	
	Chromium	7440473	mg kg-¹	M	21	22	19	16	27	
	Copper	7440508	mg kg-¹	M	37	46	20	25	30	
	Mercury	7439976	mg kg-¹	M	0.47	0.65	0.25	0.48	0.43	
	Nickel	7440020	mg kg-¹	M	18	20	16	17	26	
	Lead	7439921	mg kg-¹	M	410	450	210	390	290	
	Selenium	7782492	mg kg-¹	M	0.23	0.29	<0.20	<0.20	0.27	
	Zinc	7440666	mg kg-¹	M	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	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
	TPH >C8-C10		mg kg-¹	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
	TPH >C10-C12		mg kg-¹	M	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
	TPH >C12-C16		mg kg-¹	M	1.2	< 0.1	1.5	< 0.1	< 0.1	
	TPH >C16-C21		mg kg-¹	M	5.0	< 0.1	3.1	< 0.1	< 0.1	
	TPH >C21-C35		mg kg-¹	M	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

This report should be interpreted in conjunction with the notes on the accompanying cover page.

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

Chemtest
The right chemistry to deliver results

Report Date
02 May 2012

					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	M	1.2	0.42	0.67	< 0.1	< 0.1
	Benzo[a]anthracene	56553	mg kg-¹	M	0.62	< 0.1	0.44	< 0.1	< 0.1
	Chrysene	218019	mg kg-¹	M	0.8	< 0.1	0.44	< 0.1	< 0.1
	Benzo[b]fluoranthene	205992	mg kg-¹	M	0.76	< 0.1	0.59	< 0.1	< 0.1
	Benzo[k]fluoranthene	207089	mg kg-¹	M	0.49	< 0.1	0.47	< 0.1	< 0.1
	Benzo[a]pyrene	50328	mg kg-¹	M	0.84	< 0.1	0.23	< 0.1	< 0.1
	Dibenzo[a,h]anthracene	53703	mg kg-¹	M	< 0.1	< 0.1	1.2	< 0.1	< 0.1
	Indeno[1,2,3-cd]pyrene	193395	mg kg-¹	M	0.35	< 0.1	0.25	< 0.1	< 0.1
	Benzo[g,h,i]perylene	191242	mg kg-¹	M	0.59	< 0.1	0.27	< 0.1	< 0.1
	Total (of 16) PAHs		mg kg-¹	M	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	pH			M	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

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

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

GEA Geotechnical & Environmental Associates

Tyttenhanger House
Coursers Road
St Albans
AL4 0PG

Generic Risk-Based Soil Guideline Values

Site	39 College Crescent, London NW3 5LD	**Job Number** J12079
Client	Thameside Construction Co Ltd	**Sheet** 1 / 1
Engineer	Paul Carpenter Associates	

Proposed End Use Residential with plant uptake

Soil pH 8

Soil Organic Matter content % 2.5

Contaminant	Guideline Value mg/kg	Data Source
Metals		
Arsenic	32	SGV
Cadmium	10	SGV
Chromium (III)	3000	LQM/CIEH
Chromium (VI)	4.3	LQM/CIEH
Copper	2,330	LQM/CIEH
Lead	450	withdrawn SGV
Elemental Mercury	1	SGV
Inorganic Mercury	170	SGV
Nickel	130	LQM/CIEH
Selenium	350	SGV
Zinc	3,750	LQM/CIEH
Hydrocarbons		
Benzene	0.18	SGV
Toluene	320	SGV
Ethyl Benzene	180	SGV
Xylene	120	SGV
Aliphatic C5-C6	55	LQM/CIEH
Aliphatic C6-C8	160	LQM/CIEH
Aliphatic C8-C10	46	LQM/CIEH
Aliphatic C10-C12	230	LQM/CIEH
Aliphatic C12-C16	1700	LQM/CIEH
Aliphatic C16-C35	64,000	LQM/CIEH
Aromatic C6-C7	See Benzene	LQM/CIEH
Aromatic C7-C8	See Toluene	LQM/CIEH
Aromatic C8-C10	65	LQM/CIEH
Aromatic C10-C12	160	LQM/CIEH
Aromatic C12-C16	310	LQM/CIEH
Aromatic C16-C21	480	LQM/CIEH
Aromatic C21-C35	1100	LQM/CIEH
PRO (C_5 –C_{10})	646	Calc
DRO (C_{12} –C_{28})	66,490	Calc
Lube Oil (C_{28} –C_{44})	65,100	Calc
TPH	**500**	Trigger for speciated testing

Contaminant	Guideline Value mg/kg	Data Source
Anions		
Soluble Sulphate	0.5 g/l	Structures
Sulphide	50	Structures
Chloride	400	Structures
Others		
Organic Carbon (%)	6	Methanogenic potential
Total Cyanide	140	WRAS
Total Mono Phenols	290	SGV
PAH		
Naphthalene	3.70	LQM/CIEH
Acenaphthylene	400	LQM/CIEH
Acenaphthene	480	LQM/CIEH
Fluorene	380	LQM/CIEH
Phenanthrene	200	LQM/CIEH
Anthracene	4,900	LQM/CIEH
Fluoranthene	460	LQM/CIEH
Pyrene	1,000	LQM/CIEH
Benzo(a) Anthracene	4.7	LQM/CIEH
Chrysene	8	LQM/CIEH
Benzo(b) Fluoranthene	6.5	LQM/CIEH
Benzo(k) Fluoranthene	9.6	LQM/CIEH
Benzo(a) pyrene	0.94	LQM/CIEH
Indeno(1 2 3 cd) Pyrene	3.9	LQM/CIEH
Dibenzo(a h) Anthracene	0.86	LQM/CIEH
Benzo (g h i) Perylene	46	LQM/CIEH
Total PAH	**6.3**	B(a)P / 0.15
Chlorinated Solvents		
1,1,1 trichloroethane (TCA)	12.9	LQM/CIEH
tetrachloroethane (PCA)	2.1	LQM/CIEH
tetrachloroethene (PCE)	2.1	LQM/CIEH
trichloroethene (TCE)	0.22	LQM/CIEH
1,2-dichloroethane (DCA)	0.008	LQM/CIEH
vinyl chloride (Chloroethene)	0.00064	LQM/CIEH
tetrachloromethane (Carbon tetra	0.039	LQM/CIEH
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 valuesindicate 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

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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Natural England Copyright Notice

Ove Arup Copyright Notice

Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v47.0

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

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					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Local Authority Pollution Prevention and Controls** Name: B P Harmony Location: 104a Finchley Road, London, NW3 5EY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Dated: 1st July 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Automatically positioned to the address	A13NW (W)	47	1	526471 184554
1	**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: PG1/14 Petrol filling station **Status:** **Permitted** Positional Accuracy: Automatically positioned to the address	A13NW (W)	47	1	526471 184554
2	**Local Authority Pollution Prevention and Controls** Name: Swiss Cottage Dry Cleaners Location: 121 Finchley Road, London, Nw3 6hy Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC10 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A13SE (S)	262	1	526626 184270
3	**Local Authority Pollution Prevention and Controls** Name: Is Dry Cleaners Location: 6 Canfield Gardens, London, Nw6 3bs Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC18 Dated: 5th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	287	1	526257 184662
4	**Local Authority Pollution Prevention and Controls** Name: Kings Location: 25 Winchester Road, London, E4 Authority: London Borough of Waltham Forest, Environmental Health Department Permit Reference: DC05 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	342	2	526812 184310
5	**Local Authority Pollution Prevention and Controls** Name: Connoisseur Dry Cleaners Location: 3-5 Fairhazel Gardens, London, Nw6 3qe Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC11 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	484	1	526262 184119
5	**Local Authority Pollution Prevention and Controls** Name: Sqweaky Clean Professional Dry Cleaners Location: 13 Fairhazel Gardens, London, Nw6 3qe Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC37 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	485	1	526237 184134

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Local Authority Pollution Prevention and Controls** Name: Hampstead Express Dry Cleaning Location: 279a Finchley Road, London, Nw3 6lt Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC6 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	493	1	526178 184902
6	**Local Authority Pollution Prevention and Controls** Name: Janets Hand Laundry Ltd Location: 281a Finchley Road, London, Nw3 6nd Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC14 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	516	1	526167 184924
7	**Local Authority Pollution Prevention and Controls** Name: Pyramid Cleaners Location: 52 Besize Lane, London, Nw3 5ar Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC8 Dated: 1st January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	532	1	526872 184985
8	**Local Authority Pollution Prevention and Controls** Name: Masterclean Dry Cleaners Location: 6 Langtry Walk, London, Nw8 0du Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC38 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	546	1	526352 184004
9	**Local Authority Pollution Prevention and Controls** Name: Belsize Park Service Station Location: 215 Haverstock Hill, LONDON, NW3 4RE Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC21 Dated: 2nd January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	919	1	527187 185227
10	**Local Authority Pollution Prevention and Controls** Name: Perkins Dry Cleaners Location: 171 Haverstock Hill, London, Nw3 4qs Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC7 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	927	1	527342 185055
10	**Local Authority Pollution Prevention and Controls** Name: Swan Dry Cleaners Location: 163 Haverstock Hill, London, Nw3 4qt Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC42 Dated: 24th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: 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	**Local Authority Pollution Prevention and Controls** Name: Chequers Textile Care Ltd Location: 48 Englands Lane, London, Nw3 4ue Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC47 Dated: 5th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	936	1	527498 184580
12	**Local Authority Pollution Prevention and Controls** Name: William J Humpage Location: 12-13 West Hampstead Mews, LONDON, NW6 3BB Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: Part B process (no specific reference) **Status: Application Withdrawn** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	946	1	525567 184544
13	**Local Authority Pollution Prevention and Controls** Name: Ivy Dry Cleaner Location: 4 Queens Terrace, London, Nw8 6dx Authority: Westminster City Council, Environmental Health Department Permit Reference: 06/40583/EE1EP Dated: 14th September 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	987	3	526672 183539
	Nearest Surface Water Feature	A13SE (SE)	303	-	526752 184301
14	**Water Abstractions** Operator: London Borough Of Camden Licence Number: 28/39/39/0219 Permit Version: 1 Location: Swiss Cottage Open Space- Borehole Authority: Environment Agency, Thames Region Abstraction: Municipal Grounds: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swiss Cottage Open Space, Winchester Road, London. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	352	4	526800 184280
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/39/0231 Permit Version: 1 Location: Barrow Hill Pumping Station - Borehole Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barrow Hill Pumping Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: 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 Licence Number: 28/39/39/0202 Permit Version: 1 Location: Barrow Hill Pumping Station - Borehole Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barrow Hill Pumping Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SW (SE)	1377	4	527640 183690
	Water Abstractions Operator: Zoological Society Of London Licence Number: 28/39/39/0035 Permit Version: 100 Location: Borehole At Regent'S Park, London Nw1 Authority: Environment Agency, Thames Region Abstraction: Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 59 Yearly Rate (m3): 681 Details: Regent'S Park, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1839	4	528000 183400
	Water Abstractions Operator: British Waterways Board Licence Number: 28/39/39/0173 Permit Version: 100 Location: Oval Road, Camden - Grand Union Regents Canal Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 7000 Details: Land At Oval Road, Camden, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th December 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	2000	4	528490 184020
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 39 West London Scale: 1:100,000	A13NE (W)	0	4	526538 184541
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Unproductive Strata	A13NE (W)	0	5	526538 184541
	Superficial Aquifer Designations No Data Available				
15	**Source Protection Zones** Name: Barrow Hill Source: Environment Agency, Head Office Reference: Th405 Type: 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 from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				

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	Flood Water Storage Areas None				
	Flood Defences None				

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16	**Historical Landfill Sites** Licence Holder: Not Supplied Location: London NW6 Name: Canfield Place Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD12043 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: DON009	A12NE (NW)	509	4	526074 184790
	Local Authority Landfill Coverage Name: London Borough of Camden - Has no landfill data to supply		0	7	526538 184541
	Local Authority Landfill Coverage Name: Westminster City Council - Has supplied landfill data		630	3	526477 183890
17	**Registered Waste Transfer Sites** Licence Holder: P B Donoghue Licence Reference: DL140 Site Location: BR Goods Yard at 269 Finchley Road, CAMDEN, London, NW3 Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1992 Preceded By Licence: DL140 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Lwra Cat. A = Inert Wastes; Lwra Cat. Bi Gen.Non-Putresc; Max.Waste Permitted By Licence-Stated Prohibited Waste: Clinical - As In Coll/Disp.Regs Of '88; Liquid/Slurry/Sludge Wastes; Poisonous, Noxious, Polluting Wastes; Special Wastes; Waste N.O.S.	A12NE (NW)	399	4	526200 184780
17	**Registered Waste Transfer Sites** Licence Holder: P B Donoghue Licence Reference: DL140 Site Location: BR Goods Yard, 269 Finchley Road, CAMDEN, London, NW3 Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st August 1983 Preceded By Licence: Not Given Superseded By Licence: DL140 Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Commercial Waste; Construction Ind. Wastes; Max.Waste Permitted By Licence(Stated) Prohibited Waste: Clinical Waste -Clause 2 & 4 Hsc 1982; Notifiable Wastes; Putrescible Waste; Special Wastes	A12NE (NW)	399	4	526200 184780

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 Affected 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 Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	249	5	526337 184712
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	5	526538 184541

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