

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments	
Borehole / Trial Pit	Depth (m)	Sample Ref	Type	Description	WC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 (g/L)		W/S Mg (mg/L)
BH1	0.60	D2	D	Grey brown and brownish grey silty CLAY with rare fine to medium gravel.	12.3	35	14	21	97										
BH1	1.00	UT1	U	Firm multicoloured silty CLAY	28.7					1.93	1.50	Undisturbed	20	110	55				
BH1	1.45	D4	D	Orange brown and brownish grey silty CLAY.	27.9	46	21	25	100										
BH1	1.70	D5	D													6.3	<0.01		
BH1	2.00	D6	D	Orange brown, brown and grey fine sandy silty CLAY	28.5														
BH1	2.70	D7	D	Orange brown mottled grey fine sandy silty CLAY.	28.8	56	24	32	100										
BH1	3.00	8	U	Firm fissured brown mottled grey and red brown silty CLAY	27.4					1.92	1.51	Undisturbed	60	155	77				
BH1	3.40	W1	W	Brown and brownish grey fine sandy silty CLAY	26.3														
BH1	4.00	D11	D	Yellow brown and brownish grey fine sandy silty CLAY	27.7														
BH1	5.00	UT3	U	Stiff fissured dark brown silty CLAY	28.4					1.98	1.54	Undisturbed	100	186	93				

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

Checked and Approved by  S Burke - Senior Technician 16/08/2018	Project Number: <p style="text-align: center;">GEO / 27850</p> Project Name: <p style="text-align: center;">58A REDINGTON ROAD, LONDON, NW3 7RS J18142</p>	
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Borehole / Trial Pit	Depth (m)	Sample Ref	Type	Description	WC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 (g/L)	
BH1	7.00	UT4	U	Stiff dark grey friable silty CLAY	23.0					1.99	1.62	Undisturbed	140	150	75			
BH1	9.00	UT5	U	Stiff dark grey friable very sandy CLAY. Sand is fine.	25.4					2.02	1.61	Undisturbed	180	222	111			
BH1	11.00	UT6	U	Stiff dark grey friable sandy CLAY	26.2					1.96	1.55	Undisturbed	220	241	121			
BH1	13.00	UT7	U	Stiff fissured dark grey silty CLAY	23.3					2.03	1.65	Undisturbed	260	367	183			
BH1	15.00	U8	U	Stiff fissured dark grey silty CLAY	22.9					2.00	1.63	Undisturbed	300	231	116			
BH2	1.00	UT1	U	Stiff fissured brown and light brown sandy CLAY	21.0					1.99	1.65	Undisturbed	20	163	81			
BH2	3.00	UT2	U	Firm fissured brown mottled grey and reddish brown silty CLAY	28.4					1.92	1.49	Undisturbed	60	150	75			
BH2	3.45	D7	D													5.4	<0.01	
BH2	5.00	UT3	U	Stiff fissured dark brown silty CLAY becoming dark grey friable sandy CLAY	24.7					2.00	1.60	Undisturbed	100	181	91			
BH2	7.00	UT4	U	Stiff fissured dark brown silty CLAY with reddish brown silt	23.6					2.01	1.62	Undisturbed	140	240	120			

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

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Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments
Borehole / Trial Pit	Depth (m)	Sample Ref	Type	Description	WC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 (g/L)	
BH2	9.00	U5	U	Firm dark brown friable silty CLAY	25.2					1.95	1.56	Undisturbed	180	151	75			
BH3	1.00	UT1	U	Stiff fissured brown and grey mottled gravelly silty CLAY	19.9					2.06	1.72	Undisturbed	20	228	114			
BH3	1.45	D3	D	Orange brown and brownish grey fine sandy silty CLAY.	23.1	53	19	34	100									
BH3	2.00	D5	D	Orange brown and brownish grey fine sandy silty CLAY	27.7													
BH3	2.70	D6	D	Orange brown mottled grey brown and grey fine sandy silty CLAY.	28.6	55	21	34	100									
BH3	3.00	UT2	U	Firm fissured brown mottled grey CLAY	29.9					1.92	1.48	Undisturbed	60	128	64			
BH3	3.45	D7	D	Orange brown and dark brown silty CLAY	23.0													
BH3	4.00	D9	D	Dark brown silty CLAY	28.1													
BH3	5.00	UT3	U	Stiff fissured brown mottled reddish brown CLAY becoming very stiff fissured dark grey CLAY	26.9					1.93	1.52	Undisturbed	100	207	103			
BH3	7.00	UT4	U	Firm fissured dark grey silty CLAY	25.6					1.93	1.54	Undisturbed	140	183	91			

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

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SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments
Borehole / Trial Pit	Depth (m)	Sample Ref	Type	Description	WC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 (g/L)	
BH3	9.00	UT5	U	Stiff dark grey very sandy CLAY	25.9					1.95	1.55	Undisturbed	180	171	86			
BH3	11.00	UT6	U	Stiff fissured brown fine sandy CLAY	22.3					2.00	1.63	Undisturbed	220	297	148			
BH3	13.00	UT7	U	Firm dark grey silty CLAY	23.6					2.00	1.62	Undisturbed	260	239	119			
BH3	15.00	UT8	U	Stiff dark grey friable fine sandy CLAY	25.9					1.99	1.58	Undisturbed	300	338	169			
BH4	4.50	UT1	U	Stiff fissured reddish brown mottled grey fine sandy gravelly CLAY	15.7					2.17	1.87	Undisturbed	90	187	93			
BH4	4.80	D2	D													5.5	0.03	
BH4	5.20	4	D	Orange brown and brownish grey fine sandy silty CLAY with rare gravel.	16.2	47	19	28	96									
BH4	6.50	UT2	U	Firm brown friable very sandy CLAY	30.5					1.88	1.44	Undisturbed	130	165	83			
BH4	6.95	D6	D	Brown silty SAND														Particle Size Distribution
BH4	8.50	UT3	U	Stiff fissured dark brown silty CLAY	29.7					1.96	1.51	Undisturbed	170	235	118			


Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

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SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments			
Borehole / Trial Pit	Depth (m)	Sample Ref	Type	Description	WC (%)	LL (%)	PL (%)	PI (%)	<425 µm (%)	Bulk (Mg/m³)	Dry (Mg/m³)	Condition	Cell Pressure (kPa)	Deviator Stress (kPa)	Shear Stress (kPa)	pH	2:1 W/S SO4 (g/L)		W/S Mg (mg/L)		
BH4	10.50	UT4	U	Stiff fissured dark grey silty CLAY	24.7					1.99	1.59	Undisturbed	210	209	104						
BH4	12.50	UT5	U	Stiff fissured dark brown silty CLAY	25.3					2.00	1.59	Undisturbed	250	200	100						

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

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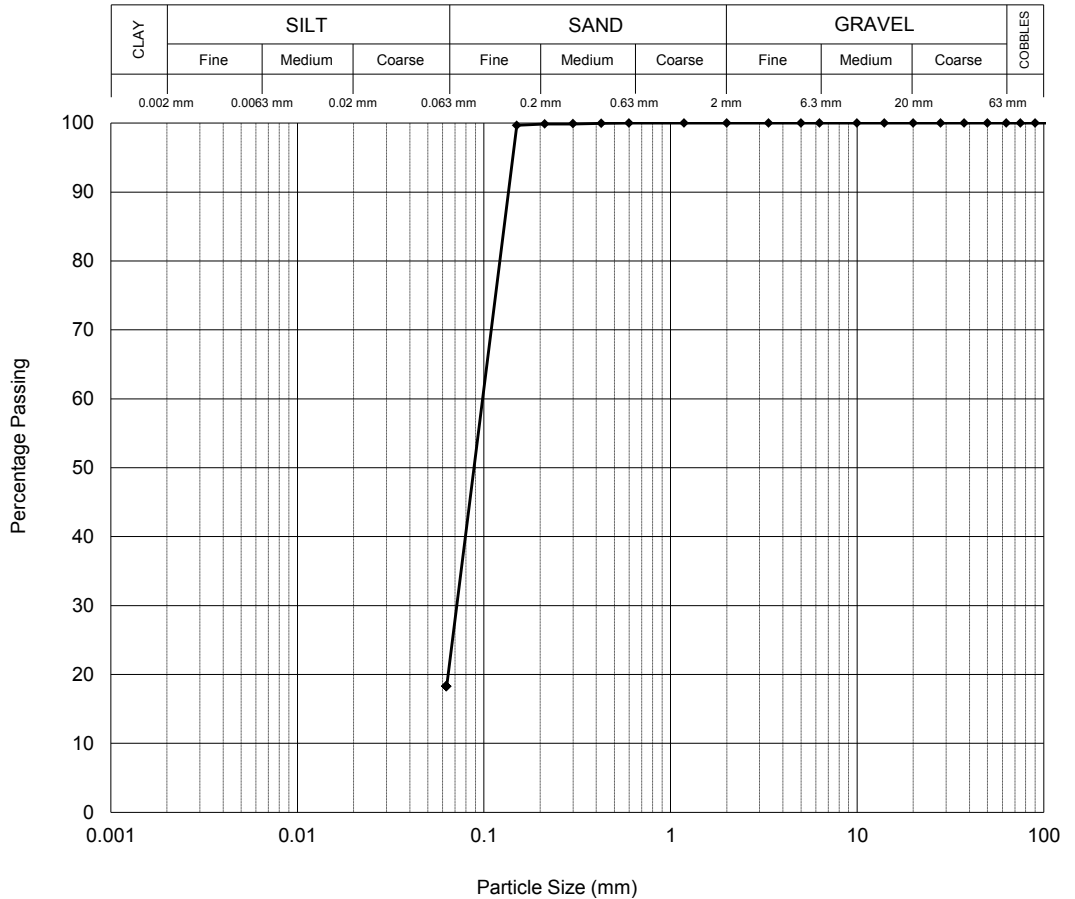
PARTICLE SIZE DISTRIBUTION

BH / TP No. BH4
 Sample Ref D6
 Depth (m) 6.95
 Sample Type D

Description
 Brown silty SAND

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	100
10.0 mm	100
6.30 mm	100
5.00 mm	100
3.35 mm	100
2.00 mm	100
1.18 mm	100
600 µm	100
425 µm	100
300 µm	100
212 µm	100
150 µm	100
63 µm	18



Particle Proportions	
Cobbles	0
Gravel	0
Sand	82
Silt & Clay	18

Checked and Approved by

S Burke

S Burke - Senior Technician
 16/08/2018

Project Number:

GEO / 27850

Project Name:

**58A REDINGTON ROAD, LONDON, NW3 7RS
 J18142**

GEOLABS



QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

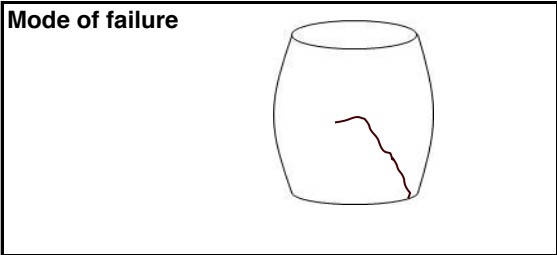
BH/TP No	BH1
Sample Ref	UT1
Depth (m)	1.00
Sample Type	U

Description:	Firm multicoloured silty CLAY
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Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.9
Diameter	(mm)	103.7
Moisture Content	(%)	28.7
Bulk Density	(Mg/m ³)	1.93
Dry Density	(Mg/m ³)	1.50
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.0
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	20
Strain at failure	(%)	17.8
Maximum Deviator Stress	(kPa)	110
Shear Stress Cu	(kPa)	55

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	140

Checked and Approved by:	<i>S Burke</i>
	S Burke - Senior Technician 16/08/2018

Project Number:	GEO / 27850
Project Name:	58A REDINGTON ROAD, LONDON, NW3 7RS J18142



1731 - UUTXL BH1 03.00 8 U - 27850-307347.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

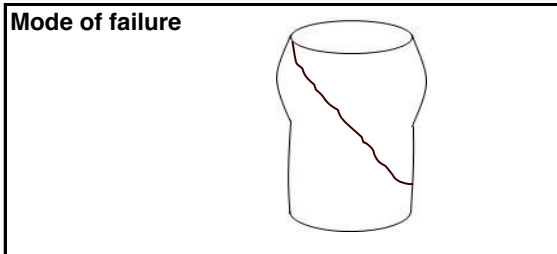
BH/TP No	BH1
Sample Ref	8
Depth (m)	3.00
Sample Type	U

Description:
Firm fissured brown mottled grey and red brown silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.8
Diameter	(mm)	103.9
Moisture Content	(%)	27.4
Bulk Density	(Mg/m ³)	1.92
Dry Density	(Mg/m ³)	1.51
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	(%)	9.4
Maximum Deviator Stress	(kPa)	155
Shear Stress Cu	(kPa)	77

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	30

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH1 05.00 UT3 U - 27850-307335.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

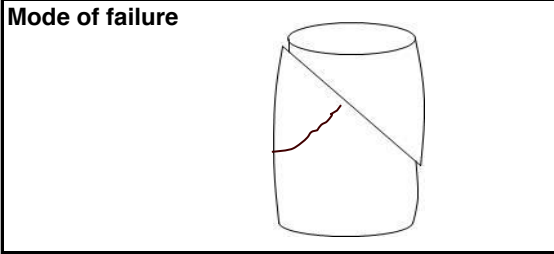
BH/TP No	BH1
Sample Ref	UT3
Depth (m)	5.00
Sample Type	U

Description:
Stiff fissured dark brown silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	203.0
Diameter	(mm)	103.1
Moisture Content	(%)	28.4
Bulk Density	(Mg/m ³)	1.98
Dry Density	(Mg/m ³)	1.54
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.8
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	100
Strain at failure	(%)	13.8
Maximum Deviator Stress	(kPa)	186
Shear Stress Cu	(kPa)	93

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	30

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
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S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH1 07.00 UT4 U - 27850-307330.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

BH/TP No	BH1
Sample Ref	UT4
Depth (m)	7.00
Sample Type	U

Description:
Stiff dark grey friable silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.0
Diameter	(mm)	102.8
Moisture Content	(%)	23.0
Bulk Density	(Mg/m ³)	1.99
Dry Density	(Mg/m ³)	1.62
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	140
Strain at failure	(%)	19.8
Maximum Deviator Stress	(kPa)	150
Shear Stress Cu	(kPa)	75

Mode of failure

Orientation of the sample	Vertical
Distance from top of tube mm	30

GL:Version 1.69 - 11/05/2018

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S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH1 09.00 UT5 U - 27850-307348.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

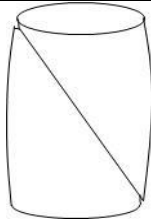
BH/TP No	BH1
Sample Ref	UT5
Depth (m)	9.00
Sample Type	U

Description:
Stiff dark grey friable very sandy CLAY. Sand is fine.

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.7
Diameter	(mm)	102.4
Moisture Content	(%)	25.4
Bulk Density	(Mg/m ³)	2.02
Dry Density	(Mg/m ³)	1.61
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.4
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	180
Strain at failure	(%)	5.5
Maximum Deviator Stress	(kPa)	222
Shear Stress Cu	(kPa)	111

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	40

GL:Version 1.69 - 11/05/2018

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S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH1 11.00 UT6 U - 27850-307331.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

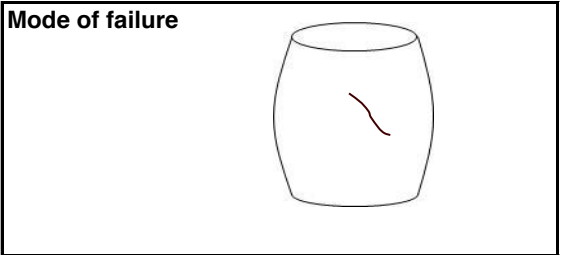
BH/TP No	BH1
Sample Ref	UT6
Depth (m)	11.00
Sample Type	U

Description:
Stiff dark grey friable sandy CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.6
Diameter	(mm)	101.7
Moisture Content	(%)	26.2
Bulk Density	(Mg/m ³)	1.96
Dry Density	(Mg/m ³)	1.55
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	220
Strain at failure	(%)	19.7
Maximum Deviator Stress	(kPa)	241
Shear Stress Cu	(kPa)	121

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	15

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S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH1 13.00 UT7 U - 27850-307346.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

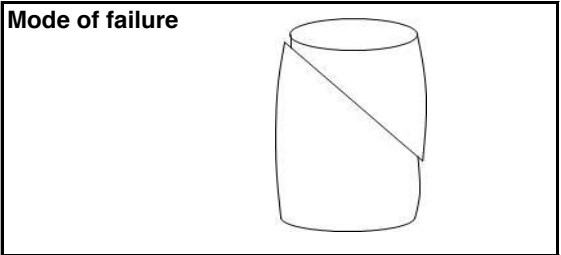
BH/TP No	BH1
Sample Ref	UT7
Depth (m)	13.00
Sample Type	U

Description:
Stiff fissured dark grey silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.6
Diameter	(mm)	104.0
Moisture Content	(%)	23.3
Bulk Density	(Mg/m ³)	2.03
Dry Density	(Mg/m ³)	1.65
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.5
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	260
Strain at failure	(%)	7.4
Maximum Deviator Stress	(kPa)	367
Shear Stress Cu	(kPa)	183

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	40

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16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH1 15.00 U8 U - 27850-307328.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

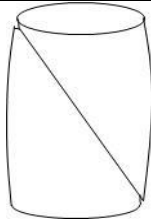
BH/TP No	BH1
Sample Ref	U8
Depth (m)	15.00
Sample Type	U

Description:
Stiff fissured dark grey silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.6
Diameter	(mm)	105.0
Moisture Content	(%)	22.9
Bulk Density	(Mg/m ³)	2.00
Dry Density	(Mg/m ³)	1.63
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.6
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	300
Strain at failure	(%)	9.9
Maximum Deviator Stress	(kPa)	231
Shear Stress Cu	(kPa)	116

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	75

GL:Version 1.69 - 11/05/2018

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16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH2 01.00 UT1 U - 27850-307333.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

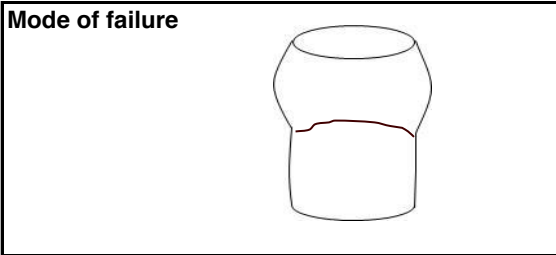
BH/TP No	BH2
Sample Ref	UT1
Depth (m)	1.00
Sample Type	U

Description:
Stiff fissured brown and light brown sandy CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.3
Diameter	(mm)	102.7
Moisture Content	(%)	21.0
Bulk Density	(Mg/m ³)	1.99
Dry Density	(Mg/m ³)	1.65
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	20
Strain at failure	(%)	19.8
Maximum Deviator Stress	(kPa)	163
Shear Stress Cu	(kPa)	81

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	35

GL:Version 1.69 - 11/05/2018

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16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH2 03.00 UT2 U - 27850-307337.XL-SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

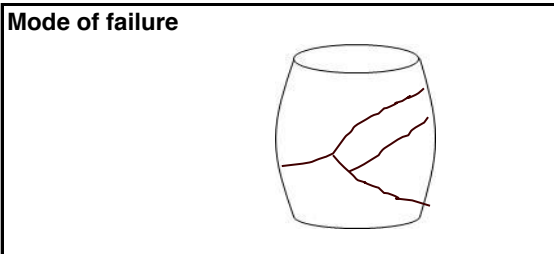
BH/TP No	BH2
Sample Ref	UT2
Depth (m)	3.00
Sample Type	U

Description:
Firm fissured brown mottled grey and reddish brown silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.7
Diameter	(mm)	102.8
Moisture Content	(%)	28.4
Bulk Density	(Mg/m ³)	1.92
Dry Density	(Mg/m ³)	1.49
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.0
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	60
Strain at failure	(%)	18.3
Maximum Deviator Stress	(kPa)	150
Shear Stress Cu	(kPa)	75

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	50

GL:Version 1.69 - 11/05/2018

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<i>S Burke</i>
S Burke - Senior Technician 16/08/2018

Project Number:	GEO / 27850
Project Name:	58A REDINGTON ROAD, LONDON, NW3 7RS J18142



1731 - UUTXL BH2 05.00 UT3 U - 27850-307340.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

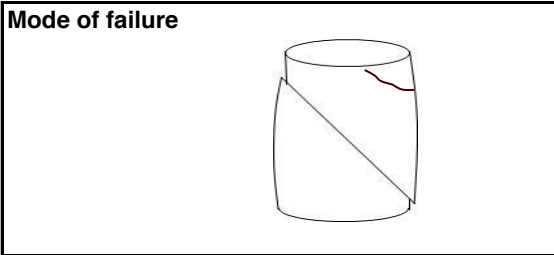
BH/TP No	BH2
Sample Ref	UT3
Depth (m)	5.00
Sample Type	U

Description:
Stiff fissured dark brown silty CLAY becoming dark grey friable sandy CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.5
Diameter	(mm)	104.2
Moisture Content	(%)	24.7
Bulk Density	(Mg/m ³)	2.00
Dry Density	(Mg/m ³)	1.60
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.9
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	100
Strain at failure	(%)	16.3
Maximum Deviator Stress	(kPa)	181
Shear Stress Cu	(kPa)	91

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	70

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH2 07.00 UT4 U - 27850-307329.XLSM

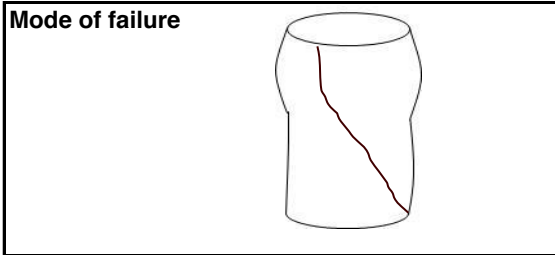
QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">BH/TP No</td> <td>BH2</td> </tr> <tr> <td>Sample Ref</td> <td>UT4</td> </tr> <tr> <td>Depth (m)</td> <td>7.00</td> </tr> <tr> <td>Sample Type</td> <td>U</td> </tr> </table>	BH/TP No	BH2	Sample Ref	UT4	Depth (m)	7.00	Sample Type	U	<p>Description:</p> <p>Stiff fissured dark brown silty CLAY with reddish brown silt</p>
BH/TP No	BH2								
Sample Ref	UT4								
Depth (m)	7.00								
Sample Type	U								

Specimen Details

Specimen conditions	Undisturbed
Length (mm)	202.2
Diameter (mm)	102.4
Moisture Content (%)	23.6
Bulk Density (Mg/m ³)	2.01
Dry Density (Mg/m ³)	1.62
Test Details	
Latex membrane thickness (mm)	0.3
Membrane correction (kPa)	0.7
Axial displacement rate (%/min)	2.0
Cell pressure (kPa)	140
Strain at failure (%)	10.9
Maximum Deviator Stress (kPa)	240
Shear Stress Cu (kPa)	120

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	80

GL:Version 1.69 - 11/05/2018

<p>Checked and Approved by:</p> <p style="font-size: 1.5em; font-family: cursive;"><i>S Burke</i></p> <p style="font-size: 0.8em;">S Burke - Senior Technician 16/08/2018</p>	<p>Project Number:</p> <p style="font-size: 1.2em; font-weight: bold;">GEO / 27850</p> <p>Project Name:</p> <p style="font-weight: bold;">58A REDINGTON ROAD, LONDON, NW3 7RS</p> <p style="font-weight: bold;">J18142</p>
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1731 - UUTXL BH2 09.00 U5 U - 27850-307324.XL-SM

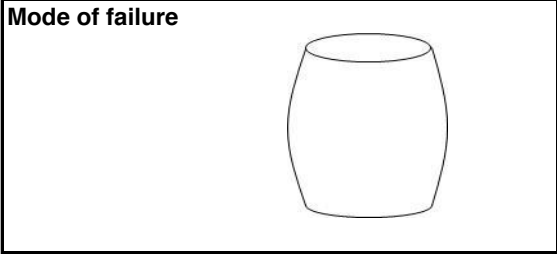
QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">BH/TP No</td> <td>BH2</td> </tr> <tr> <td>Sample Ref</td> <td>U5</td> </tr> <tr> <td>Depth (m)</td> <td>9.00</td> </tr> <tr> <td>Sample Type</td> <td>U</td> </tr> </table>	BH/TP No	BH2	Sample Ref	U5	Depth (m)	9.00	Sample Type	U	Description: Firm dark brown friable silty CLAY
BH/TP No	BH2								
Sample Ref	U5								
Depth (m)	9.00								
Sample Type	U								

Specimen Details

Specimen conditions	Undisturbed
Length (mm)	201.9
Diameter (mm)	105.4
Moisture Content (%)	25.2
Bulk Density (Mg/m ³)	1.95
Dry Density (Mg/m ³)	1.56
Test Details	
Latex membrane thickness (mm)	0.3
Membrane correction (kPa)	1.1
Axial displacement rate (%/min)	2.0
Cell pressure (kPa)	180
Strain at failure (%)	19.8
Maximum Deviator Stress (kPa)	151
Shear Stress Cu (kPa)	75

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	40

GL:Version 1.69 - 11/05/2018

Checked and Approved by: S Burke - Senior Technician 16/08/2018	Project Number: <h3 style="text-align: center;">GEO / 27850</h3> Project Name: <h3 style="text-align: center;">58A REDINGTON ROAD, LONDON, NW3 7RS</h3> <h3 style="text-align: center;">J18142</h3>
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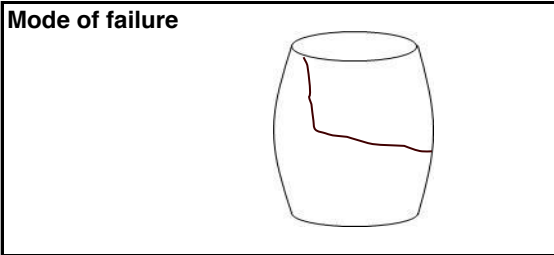
QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">BH/TP No</td> <td>BH3</td> </tr> <tr> <td>Sample Ref</td> <td>UT1</td> </tr> <tr> <td>Depth (m)</td> <td>1.00</td> </tr> <tr> <td>Sample Type</td> <td>U</td> </tr> </table>	BH/TP No	BH3	Sample Ref	UT1	Depth (m)	1.00	Sample Type	U	Description: Stiff fissured brown and grey mottled gravelly silty CLAY
BH/TP No	BH3								
Sample Ref	UT1								
Depth (m)	1.00								
Sample Type	U								

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.4
Diameter	(mm)	103.6
Moisture Content	(%)	19.9
Bulk Density	(Mg/m ³)	2.06
Dry Density	(Mg/m ³)	1.72
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.9
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	20
Strain at failure	(%)	14.3
Maximum Deviator Stress	(kPa)	228
Shear Stress Cu	(kPa)	114

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	160

Checked and Approved by: S Burke - Senior Technician 16/08/2018	Project Number: <h3 style="text-align: center;">GEO / 27850</h3> Project Name: <h3 style="text-align: center;">58A REDINGTON ROAD, LONDON, NW3 7RS</h3> <h3 style="text-align: center;">J18142</h3>
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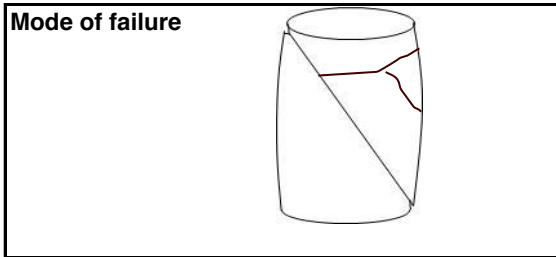


QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">BH/TP No</td> <td>BH3</td> </tr> <tr> <td>Sample Ref</td> <td>UT2</td> </tr> <tr> <td>Depth (m)</td> <td>3.00</td> </tr> <tr> <td>Sample Type</td> <td>U</td> </tr> </table>	BH/TP No	BH3	Sample Ref	UT2	Depth (m)	3.00	Sample Type	U	Description: Firm fissured brown mottled grey CLAY
BH/TP No	BH3								
Sample Ref	UT2								
Depth (m)	3.00								
Sample Type	U								

Specimen Details

Specimen conditions	Undisturbed
Length (mm)	202.3
Diameter (mm)	104.0
Moisture Content (%)	29.9
Bulk Density (Mg/m ³)	1.92
Dry Density (Mg/m ³)	1.48
Test Details	
Latex membrane thickness (mm)	0.3
Membrane correction (kPa)	1.1
Axial displacement rate (%/min)	2.0
Cell pressure (kPa)	60
Strain at failure (%)	19.8
Maximum Deviator Stress (kPa)	128
Shear Stress Cu (kPa)	64



Orientation of the sample	Vertical
Distance from top of tube mm	50

Checked and Approved by: S Burke - Senior Technician 16/08/2018	Project Number: <h3 style="text-align: center;">GEO / 27850</h3> Project Name: <h3 style="text-align: center;">58A REDINGTON ROAD, LONDON, NW3 7RS</h3> <h3 style="text-align: center;">J18142</h3>
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1731 - UUTXL BH3 05.00 UT3 U - 27850-307345.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

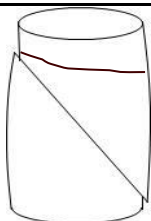
BH/TP No	BH3
Sample Ref	UT3
Depth (m)	5.00
Sample Type	U

Description:
 Stiff fissured brown mottled reddish brown CLAY becoming very stiff fissured dark grey CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.5
Diameter	(mm)	103.1
Moisture Content	(%)	26.9
Bulk Density	(Mg/m ³)	1.93
Dry Density	(Mg/m ³)	1.52
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.8
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	100
Strain at failure	(%)	12.8
Maximum Deviator Stress	(kPa)	207
Shear Stress Cu	(kPa)	103

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	45

GL:Version 1.69 - 11/05/2018

Checked and Approved by:

 S Burke - Senior Technician
 16/08/2018

Project Number: **GEO / 27850**
 Project Name:
58A REDINGTON ROAD, LONDON, NW3 7RS
J18142



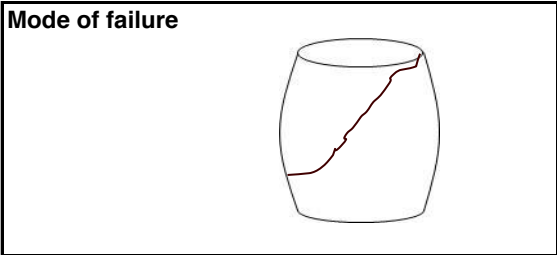
QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

BH/TP No BH3 Sample Ref UT4 Depth (m) 7.00 Sample Type U	Description: Firm fissured dark grey silty CLAY
--	--



Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.8
Diameter	(mm)	103.6
Moisture Content	(%)	25.6
Bulk Density	(Mg/m ³)	1.93
Dry Density	(Mg/m ³)	1.54
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	140
Strain at failure	(%)	19.8
Maximum Deviator Stress	(kPa)	183
Shear Stress Cu	(kPa)	91

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	30

Checked and Approved by:  S Burke - Senior Technician 16/08/2018	Project Number: <p style="text-align: center;">GEO / 27850</p> Project Name: <p style="text-align: center;">58A REDINGTON ROAD, LONDON, NW3 7RS</p> <p style="text-align: center;">J18142</p>	
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1731 - UUTXL BH3 09.00 UT5 U - 27850-307343.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

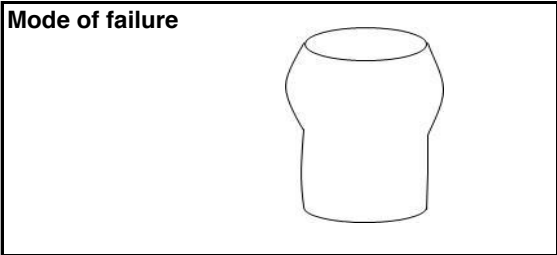
BH/TP No	BH3
Sample Ref	UT5
Depth (m)	9.00
Sample Type	U

Description:
Stiff dark grey very sandy CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.2
Diameter	(mm)	101.8
Moisture Content	(%)	25.9
Bulk Density	(Mg/m ³)	1.95
Dry Density	(Mg/m ³)	1.55
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	180
Strain at failure	(%)	19.8
Maximum Deviator Stress	(kPa)	171
Shear Stress Cu	(kPa)	86

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	40

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH3 11.00 UT6 U - 27850-307323.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

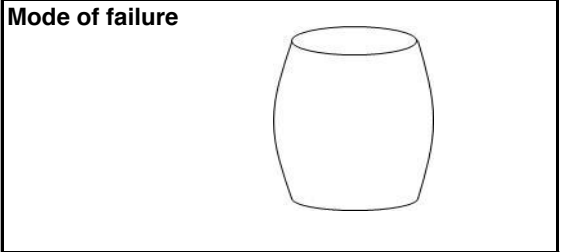
BH/TP No	BH3
Sample Ref	UT6
Depth (m)	11.00
Sample Type	U

Description:
Stiff fissured brown fine sandy CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.9
Diameter	(mm)	104.0
Moisture Content	(%)	22.3
Bulk Density	(Mg/m ³)	2.00
Dry Density	(Mg/m ³)	1.63
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	220
Strain at failure	(%)	19.7
Maximum Deviator Stress	(kPa)	297
Shear Stress Cu	(kPa)	148

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	60

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH3 13.00 UT7 U - 27850-307334-XL-SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

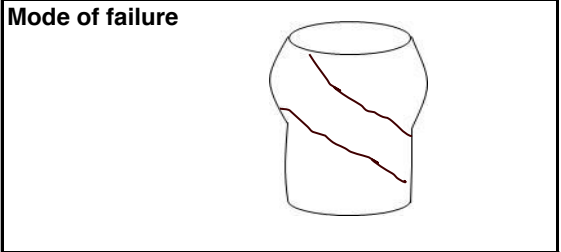
BH/TP No	BH3
Sample Ref	UT7
Depth (m)	13.00
Sample Type	U

Description:
Firm dark grey silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.6
Diameter	(mm)	103.9
Moisture Content	(%)	23.6
Bulk Density	(Mg/m ³)	2.00
Dry Density	(Mg/m ³)	1.62
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	260
Strain at failure	(%)	19.7
Maximum Deviator Stress	(kPa)	239
Shear Stress Cu	(kPa)	119

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	40

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH3 15.00 UT8 U - 27850-307342.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

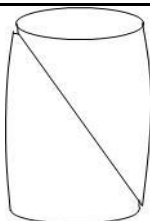
BH/TP No	BH3
Sample Ref	UT8
Depth (m)	15.00
Sample Type	U

Description:
Stiff dark grey friable fine sandy CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.3
Diameter	(mm)	103.6
Moisture Content	(%)	25.9
Bulk Density	(Mg/m ³)	1.99
Dry Density	(Mg/m ³)	1.58
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.6
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	300
Strain at failure	(%)	9.4
Maximum Deviator Stress	(kPa)	338
Shear Stress Cu	(kPa)	169

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	40

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH4 03.00 8 U - 27850-307347.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

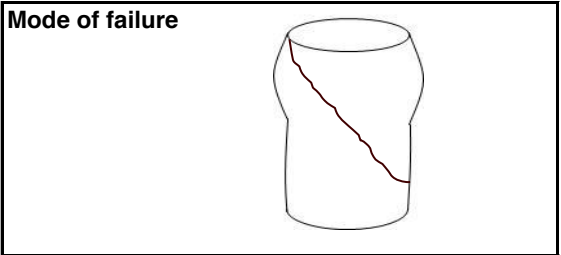
BH/TP No	BH4
Sample Ref	8
Depth (m)	3.00
Sample Type	U

Description:
Firm fissured brown mottled grey and red brown silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.8
Diameter	(mm)	103.9
Moisture Content	(%)	27.4
Bulk Density	(Mg/m ³)	1.92
Dry Density	(Mg/m ³)	1.51
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	(%)	9.4
Maximum Deviator Stress	(kPa)	155
Shear Stress Cu	(kPa)	77

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	30

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
15/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

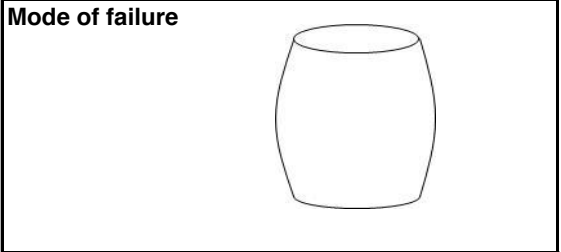
BH/TP No	BH4
Sample Ref	UT1
Depth (m)	4.50
Sample Type	U

Description:
Stiff fissured reddish brown mottled grey fine sandy gravelly CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	192.3
Diameter	(mm)	101.7
Moisture Content	(%)	15.7
Bulk Density	(Mg/m ³)	2.17
Dry Density	(Mg/m ³)	1.87
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.1
Cell pressure	(kPa)	90
Strain at failure	(%)	18.2
Maximum Deviator Stress	(kPa)	187
Shear Stress Cu	(kPa)	93

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	250

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH4 06.50 UT2 U - 27850-307338.XLSM

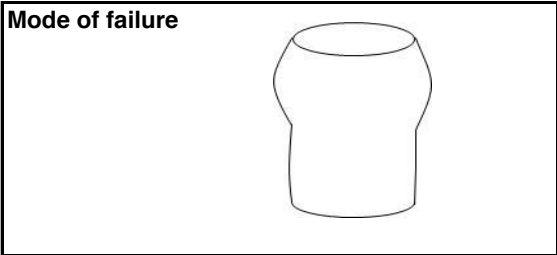
QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

BH/TP No BH4 Sample Ref UT2 Depth (m) 6.50 Sample Type U	Description: Firm brown friable very sandy CLAY
--	--

Specimen Details


Specimen conditions		Undisturbed
Length	(mm)	202.7
Diameter	(mm)	103.4
Moisture Content	(%)	30.5
Bulk Density	(Mg/m ³)	1.88
Dry Density	(Mg/m ³)	1.44
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	130
Strain at failure	(%)	19.7
Maximum Deviator Stress	(kPa)	165
Shear Stress Cu	(kPa)	83

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	25

GL:Version 1.69 - 11/05/2018

Checked and Approved by:  S Burke - Senior Technician 16/08/2018	Project Number: <p style="text-align: center;">GEO / 27850</p> Project Name: <p style="text-align: center;">58A REDINGTON ROAD, LONDON, NW3 7RS</p> <p style="text-align: center;">J18142</p>
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1731 - UUTXL BH4 08.50 UT3 U - 27850-307344-XL-SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

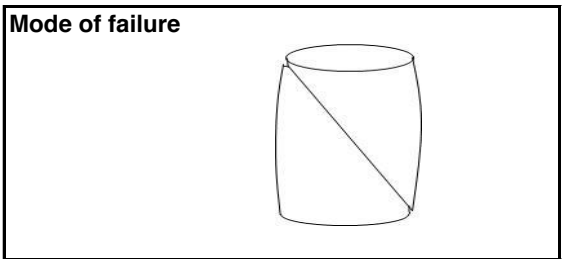
BH/TP No	BH4
Sample Ref	UT3
Depth (m)	8.50
Sample Type	U

Description:
Stiff fissured dark brown silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	176.9
Diameter	(mm)	102.8
Moisture Content	(%)	29.7
Bulk Density	(Mg/m ³)	1.96
Dry Density	(Mg/m ³)	1.51
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.3
Cell pressure	(kPa)	170
Strain at failure	(%)	19.2
Maximum Deviator Stress	(kPa)	235
Shear Stress Cu	(kPa)	118

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	250

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH4 10.50 UT4 U - 27850-307325.XL.SM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

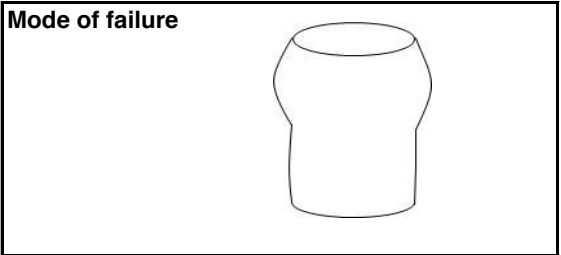
BH/TP No	BH4
Sample Ref	UT4
Depth (m)	10.50
Sample Type	U

Description:
Stiff fissured dark grey silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.6
Diameter	(mm)	102.7
Moisture Content	(%)	24.7
Bulk Density	(Mg/m ³)	1.99
Dry Density	(Mg/m ³)	1.59
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	1.1
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	210
Strain at failure	(%)	19.7
Maximum Deviator Stress	(kPa)	209
Shear Stress Cu	(kPa)	104

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	25

GL:Version 1.69 - 11/05/2018

Checked and Approved by:
S Burke
S Burke - Senior Technician
16/08/2018

Project Number: **GEO / 27850**
Project Name: **58A REDINGTON ROAD, LONDON, NW3 7RS**
J18142



1731 - UUTXL BH4 12.50 UT5 U - 27850-307336.XLSM

QUICK UNDRAINED TRIAXIAL COMPRESSION TEST

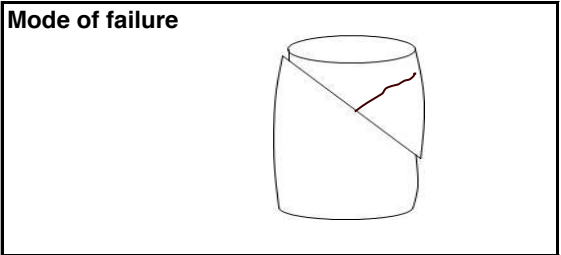
BH/TP No	BH4
Sample Ref	UT5
Depth (m)	12.50
Sample Type	U

Description:
Stiff fissured dark brown silty CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	202.3
Diameter	(mm)	103.2
Moisture Content	(%)	25.3
Bulk Density	(Mg/m ³)	2.00
Dry Density	(Mg/m ³)	1.59
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.8
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	250
Strain at failure	(%)	12.9
Maximum Deviator Stress	(kPa)	200
Shear Stress Cu	(kPa)	100

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	80

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Checked and Approved by:
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