BOREHOLE LOG EXPLANATION FORM

This explanatory section provides the background to assist in the use of the borehole logs. Each of the headings used on the borehole log, is briefly explained.

DEPTH

This column gives the depth of interpreted geologic contacts in metres below ground surface.

STRATIGRAPHIC DESCRIPTION

This column gives a description of the soil based on a tactile examination of the samples and/or laboratory test results. Each stratum is described according to the following classification and terminology.

<u>Soil Clas</u>	ssification*	Terminology	<u>Proportion</u>
Clay	<0.002 mm		
Silt	0.002 to 0.06 mm	"trace" (e.g. trace sand)	<10%
Sand	0.06 to 2 mm	"some" (e.g. some sand)	10% - 20%
Gravel	2 to 60 mm	adjective (e.g. sandy)	20% - 35%
Cobbles	60 to 200 mm	"and" (e.g. and sand)	35% - 50%
Boulders	>200 mm	noun (e.g. sand)	>50%

* Extension of MIT Classification system unless otherwise noted.

The use of the geologic term "till" implies that both disseminated coarser grained (sand, gravel, cobbles or boulders) particles and finer grained (silt and clay) particles may occur within the described matrix.

The compactness of cohesionless soils and the consistency of cohesive soils are defined by the following:

COHES	IONLESS SOIL	COHES	IVE SOIL				
Compactness	Standard Penetration Resistance "N", Blows / 0.3 m	Consistency	Standard Penetration Resistance "N", Blows / 0.3 m				
Very Loose	0 to 4	Very Soft	0 to 2				
Loose	4 to 10	Soft	2 to 4				
Compact	10 to 30	Firm	4 to 8				
Dense	30 to 50	Stiff	8 to 15				
Very Dense	Over 50	Very Stiff	15 to 30				
		Hard	Over 30				

The moisture conditions of cohesionless and cohesive soils are defined as follows.

COHESIONLESS SOILS	<u>(</u>	COHES	SIVE SOILS
Dry Moist	DTPL APL WTDI	- -	Drier Than Plastic Limit About Plastic Limit
Saturated	W I PL MWTPL	-	Much Wetter Than Plastic Limit

STRATIGRAPHY

Symbols may be used to pictorially identify the interpreted stratigraphy of the soil and rock strata.

MONITOR DETAILS

This column shows the position and designation of standpipe and/or piezometer ground water monitors installed in the borehole. Also the water level may be shown for the date indicated.



Where monitors are placed in separate boreholes, these are shown individually in the "Monitor Details" column. Otherwise, monitors are in the same borehole. For further data regarding seals, screens, etc., the reader is referred to the summary of monitor details table.

SAMPLE

These columns describe the sample type and number, the "N" value, the water content, the percentage recovery, and Rock Quality Designation (RQD), of each sample obtained from the borehole where applicable. The information is recorded at the approximate depth at which the sample was obtained. The legend for sample type is explained below.

SS	=	Split Spoon	GS =	Grab Sample
ST	=	Thin Walled Shelby Tube	CS =	Channel Sample
AS	=	Auger Flight Sample	WS =	Wash Sample
CC	=	Continuous Core	RC =	Rock Core
% R	ecov	erv = Length of Core Recover	red Per Rur	n x 100

Total Length of Run

Where rock drilling was carried out, the term RQD (Rock Quality Designation) is used. The RQD is an indirect measure of the number of fractures and soundness of the rock mass. It is obtained from the rock cores by summing the length of core recovered, counting only those pieces of sound core that are 100 mm or more in length. The RQD value is expressed as a percentage and is the ratio of the summed core lengths to the total length of core run. The classification based on the RQD value is given below.

RQD Classification	<u>RQD (%)</u>
Very poor quality	< 25
Poor quality	25 - 50
Fair quality	50 - 75
Good quality	75 - 90
Excellent quality	90 - 100

TEST DATA

The central section of the log provides graphs which are used to plot selected field and laboratory test results at the depth at which they were carried out. The plotting scales are shown at the head of the column.

Dynamic Penetration Resistance - The number of blows required to advance a 51 mm diameter, 60° steel cone fitted to the end of 45 mm OD drill rods, 0.3 m into the subsoil. The cone is driven with a 63.5 kg hammer over a fall of 750 mm.

Standard Penetration Resistance - Standard Penetration Test (SPT) "N" Value - The number of blows required to advance a 51 mm diameter standard split-spoon sampler 300 mm into the subsoil, driven by means of a 63.5 kg hammer falling freely a distance of 750 mm. In cases where the split spoon does not penetrate 300 mm, the number of blows over the distance of actual penetration in millimetres is shown as <u>xBlows</u>

mm

Water Content - The ratio of the mass of water to the mass of oven-dry solids in the soil expressed as a percentage.

W_P - Plastic Limit of a fine-grained soil expressed as a percentage as determined from the Atterberg Limit Test.

W_L - Liquid Limit of a fine-grained soil expressed as a percentage as determined from the Atterberg Limit Test.

REMARKS

The last column describes pertinent drilling details, field observations and/or provides an indication of other field or laboratory tests that were performed.

BOREHOLE NO. MW1

PROJECT NAME: DURHAM-YORK ENERGY CENTRE

CLIENT: REGIONAL MUNICIPALITY OF DURHAM

BOREHOLE TYPE: 168 mm HOLLOW STEM AUGER

GROUND ELEVATION: NOT DETERMINED

DATE COMPLETED: Dec 20, 2011

PROJECT NO.: 111-26648-00

SUPERVISOR: EWT

SAMPLE CONE PENETRATION UTM CO-ORDINATES WATER CONTENT % UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680337</u> % _ "N" VALUE

				ST				5	SAMPLI	E		CONE PENETRATION	WA	TER	UTM CO-ORDINATES
	DE	EPTH (m)	STRATIGRAPHIC DESCRIPTION	RATIGRAPH	M(D	ONITOR ETAILS	TYPE	N VALU	% WATE	% RECOVE	RQD (%	"N" VALUE 10 20 30	10 24	ENT % 0 30	UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680337</u> Northing: <u>4860451</u>
	0.0			× ∣					ת	RY		SHEAR STRENGTH	W _P	WL	REMARKS
Ī	0.0		TOPSOIL: BROWN TO DARK BROWN, SANDY SILT LOOSE	7/1/ 7	\bigcirc										FROZEN TO 38 mm
	1.0	0.3 —	SANDY SILT TILL: LIGHT GREY BECOMING BROWNISH GREY AT 4.6 m, SANDY SILT, SOME MEDIUM TO COARSE GRAVEL, TRACE CLAY, TRACE FINE GRAVEL BETWEEN 4.6 m AND 4.9 m, MOIST, VERY DENSE.				SS1 SS2	6 24		29 100					
	2.0						SS3	51		100		51			
	3.0						SS4	84		100		84			
	0.0						SS5	105		100		105			
-	4.0						SS6	99		100		99			
23/13	5.0						SS7	97		100		9 <u>7</u>			
S BASIC.GDT 1/	6.0	5.3 —	SANDY SILT TILL: GREY, SANDY SILT, TRACE TO SOME CLAY, TRACE FINE TO MEDIUM GRAVEL, MOIST, COMPACT.				SS8	34		96		, r			
U JAGGER HIM							SS9	25		92					
26648-00 100.GF	7.0						SS10	43		88		43			
TH UTM 111-2	8.0	8.2 —					SS11	21		83					
R GEOLOGIC B/W (M) WII	9.0		DURCHULE TERMINATED AT 8.2 M IN SANDY SILT TILL.												
GENIVA	<u>10.0</u> CEN	IVAR													

REVIEWER: SJT

BOREHOLE NO. MW2A

PROJECT NAME: DURHAM-YORK ENERGY CENTRE

PROJECT NO.: 111-26648-00

DATE COMPLETED: Dec 20, 2011

CLIENT: REGIONAL MUNICIPALITY OF DURHAM

BOREHOLE TYPE: 168 mm HOLLOW STEM AUGER

GROUND ELEVATION: NOT DETERMINED

SUPERVISOR: EWT

Γ				Ŋ			S	SAMPLE	Ξ		CONE PENETRATION	WATER	UTM CO-ORDINATES
	DE	EPTH (m)	STRATIGRAPHIC DESCRIPTION	TRATIGRAP	MONITOR DETAILS	TYPE	N VALL	% WATE	% RECOV	RQD (%	"N" VALUE 10 20 30	CONTENT %	UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680628</u> Northing: <u>4860550</u>
	0.0			ΗΥ			JΕ	IR	ERY	6)	SHEAR STRENGTH	W _P W _L	REMARKS
		0.2 —	TOPSOIL: DARK BROWN, SILT, SOME CLAY, MOIST.				_						
			<u>CLAYEY SILT:</u> LIGHT GREY, TRACE FINE TO MEDIUM GRAVEL, DTPL TO APL, VERY STIFF.			551	6		50				
-	1.0					SS2	19		100				
_													
	2.0	-				SS3	22		100		†		
						SS4	17		100		•		
	3.0	3.0 ——	<u>SILT TILL:</u> LIGHT GREY BECOMING GREY AT 3.8 m, CLAYEY SILT SOME FINE SAND TO SILT, SOME CLAY, SOME			SS5	17		100		•		
	4.0		FINE SAND, SOME TO TRACE FINE TO MEDIUM GRAVEL, MOIST, COMPACT.										
						SS6	18		100		+		
13	5.0					SS7	16		100		•		
:GDT 1/23/						660	12		100				
IIMS BASIC	6.0	r.				330	15		100				
JAGGER H						SS9	9		100		•		
3-00 100.GPJ	7.0	6.9 —	<u>CLAYEY SILT:</u> GREY, TRACE FINE TO MEDIUM GRAVEL, WTPL, STIFF:			SS10	12		100				
111-26648						0011	70		00		78_		
	8.0	8.4 —				SS12	10		96				
B/W (M) V			SILT TILL: GREY, SOME FINE SAND, SOME CLAY, SOME MEDIUM TO COARSE GRAVEL, MOIST TO WET, DENSE.										REFUSAL OF SPOON AT 8.4 m
GEOLOGIC	9.0	9.2 —	BOREHOLE TERMINATED AT 9.2 m IN SILT TILL.			SS13	79		100		79		SS12 N VALUE: 29 FOR 150 mm, 50 FOR 50 mm
GENIVAR	10.0												

GENIVAR

PAGE 1 of 1

REVIEWER: SJT

BOREHOLE NO. MW2B

PROJECT NAME: DURHAM-YORK ENERGY CENTRE

PROJECT NO.: 111-26648-00

DATE COMPLETED: Dec 21, 2011

CLIENT: REGIONAL MUNICIPALITY OF DURHAM

BOREHOLE TYPE: 168 mm HOLLOW STEM AUGER

GROUND ELEVATION: NOT DETERMINED

SUPERVISOR: EWT

				SI			S	SAMPLI	E		CONE	WATER	UTM CO-ORDINATES
	DE	EPTH (m)	STRATIGRAPHIC DESCRIPTION	STRATIGRAPHIC DESCRIPTION		TYPE	N VALUE	% WATER	% RECOVERY	RQD (%)	N" VALUE 10 20 30 SHEAR STRENGTH	CONTENT %	UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680631</u> Northing: <u>4860550</u> - REMARKS
	0.0	0.2 —	TOPSOIL: DARK BROWN SILT SOME CLAY MOIST	<u></u>								VVP VVL	GEOLOGIC DETAILS AND N
			CLAYEY SILT, DACE FINE TO MEDILIM GRAVEL			SS1	6		50		•		VALUES ARE FROM BOREHOLE MW2A.
			DTPL TO APL, VERY STIFF.										
	1.0					552	19		100				
						002							
	20					SS3	22		100		+		
	2.0												
						004			100				
						554	17		100				
	3.0	3.0 —	<u>SILT TILL:</u>										
			LIGHT GREY BECOMING GREY AT 3.8 m, CLAYEY SILT SOME FINE SAND TO SILT, SOME CLAY, SOME			SS5	17		100		•		
			GRAVEL, MOIST, COMPACT.										
	4.0												
						SS6	18		100				
	5.0					SS7	16		100		•		
1/23/1:													
GDT .													
ASIC.						SS8	13		100		•		
HIMS B	6.0	6.1 —	BOREHOLE TERMINATED AT 6.1 m IN SILT TILL.										
GER H													
DAG													
0.GPJ	7.0												
-00 10													
-26648													
M 111	8.0												
THUT													
LIM (M													
B/W (I													
OGIC	9.0												
GEOL													
NIVAR													
ШÜ	10.0												

GENIVAR

REVIEWER: SJT

BOREHOLE NO. MW3A

PROJECT NAME: DURHAM-YORK ENERGY CENTRE

PROJECT NO.: 111-26648-00

DATE COMPLETED: Dec 19, 2011

CLIENT: REGIONAL MUNICIPALITY OF DURHAM

BOREHOLE TYPE: 168 mm HOLLOW STEM AUGER

GROUND ELEVATION: NOT DETERMINED

SUPERVISOR: EWT

REVIEWER: SJT

			S.			S	SAMPLI	Ξ		CONE PENETRATION	WATER	UTM CO-ORDINATES
	DEPTH (m)	STRATIGRAPHIC DESCRIPTION	FRATIGRAF	MONITOR DETAILS	TYPE	N VALU	% WAT	% RECOV	RQD ("N" VALUE 10 20 30	CONTENT %	UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680420</u> Northing: <u>4860220</u>
0.0			чнγ			Ē	FR	/ERY	%)	SHEAR STRENGTH	W _P W _L	REMARKS
	0.2 —	TOPSOIL: DARK BROWN, SANDY SILT, TRACE CLAY, MOIST,			SS1	6		38		•		FROZEN TO 90 mm
		SANDY SILT TILL: LIGHT BROWN TO BROWN, FINE SAND AND SILT,			551	0		30				
1.0		SOME CLAY, TO SANDY SILT, SOME CLAY, TRACE TO SOME GRAVEL, MOIST, COMPACT.			SS2	6		75		•		
2.0					SS3	33		92		•		
	2.1 — 2.3 —	<u>SILTY SAND:</u> LIGHT BROWN, TRACE CLAY, SATURATED, COMPACT										
3.0	-	SANDY SILT TILL: BROWN BECOMING GREY AT 3.3 m, FINE SAND AND SILT, SOME CLAY, TO SANDY SILT, SOME CLAY, MOIST, LOOSE TO COMPACT.			SS4	43		88		43		
	3.3 —	CLAYEY SILT: GREY, SILTY CLAY TO CLAYEY SILT, TRACE TO SOME GRAVEL, WTPL, SOFT TO FIRM.			SS5	12		100				
4.0	_				SS6	13		100		•		
3/13	_				SS7	5		100		•		
AS BASIC.GDT 1/2	5.3 —	SANDY SILT TILL: GREY, SILT AND SAND SOME CLAY, TO SANDY SILT, SOME GRAVEL, TRACE TO SOME CLAY, WET, LOOSE TO COMPACT.			SS8	10		96				
U JAGGER HIN	_				SS9	15		83				
3648-00 100.GF					SS10	8		54				
TH UTM 111-26	_				SS11	8		83				
GIC B/W (M) Wi	_				SS12	13		79				
VIVAR GEOLO	9.8 —				SS13	13		75				
الله الله الله الله الله الله الله الله		BOREHULE TERMINATED AT 9.8 m IN SANDY SILT										

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BOREHOLE NO. MW3B

PROJECT NAME: DURHAM-YORK ENERGY CENTRE

CLIENT: REGIONAL MUNICIPALITY OF DURHAM

BOREHOLE TYPE: 168 mm HOLLOW STEM AUGER

GROUND ELEVATION: NOT DETERMINED

DATE COMPLETED: Dec 19, 2011

PROJECT NO.: 111-26648-00

SUPERVISOR: EWT

REVIEWER: SJT

SAMPLE CONE PENETRATION UTM CO-ORDINATES STRATIGRAPHY WATER UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680421</u> CONTENT % % "N" VALUE DEPTH MONITOR RECOVERY Northing: 4860220 STRATIGRAPHIC DESCRIPTION N VALUE RQD 10 20 30 WATER 10 20 30 (m) DETAILS TYPE (%) SHEAR STRENGTH REMARKS W_P W TOPSOIL: DARK BROWN, SANDY SILT, TRACE CLAY, MOIST, GEOLOGIC DETAILS AND N 0.2 VALUES ARE FROM BOREHOLE LOOSE. SS1 6 38 MW3A. SANDY SILT TILL: LIGHT BROWN TO BROWN, FINE SAND AND SILT, SOME CLAY, TO SANDY SILT, SOME CLAY, TRACE TO SOME GRAVEL, MOIST, COMPACT. 1.0 SS2 6 75 SS3 33 92 2.0 2.1 SILTY SAND LIGHT BROWN, TRACE CLAY, SATURATED, 2.3 COMPACT. SANDY SILT TILL: BROWN BECOMING GREY AT 3.3 m, FINE SAND 43 SS4 43 88 AND SILT, SOME CLAY, TO SANDY SILT, SOME CLAY, MOIST, LOOSE TO COMPACT. 3.0 3.3 CLAYEY SILT: GREY, SILTY CLAY TO CLAYEY SILT, TRACE TO SS5 12 100 SOME GRAVEL, WTPL, SOFT TO FIRM. 4.0 SS6 13 100 SS7 5 100 5.0 1/23/13 5.3 SANDY SILT TILL: GREY, SILT AND SAND SOME CLAY, TO SANDY JAGGER HIMS BASIC.GDT SILT, SOME GRAVEL, TRACE TO SOME CLAY, WET, SS8 10 96 LOOSE TO COMPACT. 6.0 6.0 BOREHOLE TERMINATED AT 6.0 m IN SANDY SILT TILL. 111-26648-00 100.GPJ 7.0 8.0 GEOLOGIC B/W (M) WITH UTM 9.0 GENIVAR GENIVAR

BOREHOLE NO. MW4

PROJECT NAME: DURHAM-YORK ENERGY CENTRE

CLIENT: REGIONAL MUNICIPALITY OF DURHAM

BOREHOLE TYPE: 168 mm HOLLOW STEM AUGER

GROUND ELEVATION: NOT DETERMINED

GENIVAR GEOLOGIC B/W (M) WITH UTM 111-26648-00 100.GPJ JAGGER HIMS BASIC.GDT 1/23/13

DATE COMPLETED: Dec 21, 2011

SUPERVISOR: EWT

REVIEWER: SJT

DEPTH (m) STRATIGRAPHIC DESCRIPTION Image: strate in the				S			5	Sampli	Ξ		CONE PENETRATION	WATER	UTM CO-ORDINATES
10 10<	D	EPTH (m)	STRATIGRAPHIC DESCRIPTION	-RATIGF	MONITOR	_	z	W %	% REC	RQ	"N" VALUE	CONTENT %	UTM Zone: <u>17</u> NAD: <u>83</u> Easting: <u>680661</u> Northing: <u>4860179</u>
LO Remonstration Wp Wc Remonstration 02 DARK BROWN, SANDY SLT, MOIST, LOOSE 551 25 38 38 10 DARK BROWN, SANDY SLT, MOIST, LOOSE 551 25 38 38 10 DARK BROWN, SANDY SLT, TO SLT, AND SAND, SULT, TAND SAND, SOTO, COMPACT. 551 25 38 4 4 10 DARK BROWN, SANDY SLT, TO LIGHT GREY, SOME TO TRACE, CLAY, TRACE FIRE TO MEDIUM GRAVEL, MOIST, COMPACT. 552 27 65 4 4 553 100 40 4 4 553 100 4 4 555 553 100 4 556 7 55 57 57 100 4 556 7 55 57 57 50 57 556 7 557 57 50 57 <td></td> <td>· /</td> <td></td> <td>RAPHY</td> <td>DETALO</td> <td>YPE</td> <td>ALUE</td> <td>ATER</td> <td>COVER</td> <td>D (%)</td> <td></td> <td></td> <td>DEMADKS</td>		· /		RAPHY	DETALO	YPE	ALUE	ATER	COVER	D (%)			DEMADKS
02 DARK BROWN, SANDY SILT NOIST, LOOSE 10 SANDY SILT TO SILT AND SANDY 10 SSE 11 SANDY SILT DARK REV TO LIGHT GREY, SOME TO TRACE 20 SANDY SILT DARK REV TO LIGHT GREY, SOME TO TRACE COMPACT. 23 SANDY SILT TULE GRAVEL, SOME TO TRACE CLAY, MOIST. 24 SANDY SILT TULE GRAVEL, SOME TO TRACE CLAY, MOIST. 25 SSE 26 SSE 30 SSE	0.0		TOPSOIL:	<u>x17</u> . x					Ŷ		STRENGTH	W _P W _L	REWARRO
10 10 SSE 27 85 10 10 SSE 27 85 10 10 SSE 27 85 10 DARK GRAVEL, TRACE CLAY, MOIST, COMPACT. SSE 27 85 10 DARK GRAVEL, TRACE CLAY, MOIST, COMPACT. SSE 27 85 20 SANDY SILT. DARK GREY TO LIGHT GREY, SOME TO TRACE SSE 9 100 9 20 SANDY SILT. DARK GREY TO LIGHT GREY, SOME TO TRACE SSE 9 100 9 9 23 SANDY SILT.THL: COMPACT. SOME TO TRACE CLAY, MOIST SSE 55 67 100 9 9 30 SSE NVALUE: GRAVEL, SOME TO TRACE CLAY, MOIST SSE SSE 9 100 9 9 SSE NVALUE: 97 FOR 130 mm 30 SSE NVALUE: GRAVEL, SOME TO TRACE CLAY, MOIST SSE NVALUE: 97 FOR 130 mm SSE NVALUE: 97 FOR 130 mm </td <td></td> <td>0.2</td> <td>DARK BROWN, SANDY SILT, MOIST, LOOSE.</td> <td></td> <td></td> <td>SS1</td> <td>26</td> <td></td> <td>38</td> <td></td> <td>•</td> <td></td> <td></td>		0.2	DARK BROWN, SANDY SILT, MOIST, LOOSE.			SS1	26		38		•		
10 15 SANDY SILT 20 15 SANDY SILT 20 COMPACT. SS3 21 SANDY SILT SS3 22 SANDY SILT SS3 23 SANDY SILT SS3 24 COMPACT. SS3 25 SS4 69 100 26 SS5 69 100 23 SANDY SILT SS5 SS5 24 SANDY SILT SS5 SS5 25 SS6 100 60 26 SS5 F7 100 67 26 SS6 70 100 73 SS5 N VALUE: 36 70 100 74 SS5 N VALUE: SS6 N VALUE: 36 70 100 74 SS5 N VALUE: SS6 N VALUE: 36 70 100 74 SS6 N VALUE: SS7 N VALUE: 36 70 100 74 SS7 N VALUE: SS7 N VALUE: 360 SS8 89 100 89 SS8 N VALUE: SS8			DARK BROWN, SANDY SILT TO SILT AND SAND, SOME GRAVEL, TRACE CLAY, MOIST, COMPACT.										
15 SANDY SLIT. DARK GREY TO LIGHT GREY, SOME TO TRACE CLAY. TRACE FINE TO MEDIUM GRAVEL, MOIST. COMPACT. 552 20 85 20 23 SANDY SLIT. CAN, TRACE FINE TO MEDIUM GRAVEL, MOIST. COMPACT. 553 19 100 99+ 23 SANDY SLIT.TIL: GRAVEL, SOME TO TRACE CLAY, MOIST. BECOMING MOIST TO WET AT 6.1 m, VERY DENSE. 555 67 100 99+ 30 555 67 100 99+ 555 856 N VALUE. 67 FOR 150 mm 40 555 67 100 73+ S56 N VALUE. 70 FOR 150 mm 557 N VALUE. 70 FOR 150 mm 40 557 95 100 95+ 557 N VALUE. 70 FOR 150 mm, 50 FOR 125 mm 50 54 BOREHOLE TERMINATED AT 6.4 m IN SANDY SLIT.TIL. TILL 589 100 105+ 558 N VALUE. 55 FOR 150 mm, 50 FOR 125 mm	1.0						07		05				
1.5 SANDY SLT. DARK GREY TO LIGHT GREY, SOME TO TRACE CLAY, TRACE FINE TO MEDIUM GRAVEL, MOIST. COMPACT. SS3 19 100 60 2.3 SANDY SLT TILL GREY BECOMING DARK GREY AT 4.6 m. SOME BECOMING MOIST TO WET AT 6.1 m. VERY DENSE. SS4 69 100 60 3.0 SANDY SLT TILL GREY BECOMING DARK GREY AT 4.6 m. SOME BECOMING MOIST TO WET AT 6.1 m. VERY DENSE. SS5 67 100 67 SS5 N VALUE: 67 FOR 150 mm 3.0 SS6 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 4.0 SS6 SS6 70 100 70 SS6 N VALUE: 87 FOR 150 mm 5.0 SS6 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 6.0 SS6 SS7 95 100 95 SS7 N VALUE: 86 FOR 150 mm, 50 FOR 25 mm 6.0 S64 BOREHOLE TERMINATED AT 6.4 m IN SANDY SILT SS9 105 100 105 SS8 N VALUE: 86 FOR 150 mm, 50 FOR 125 mm						552	27		85				
20 DARK GREY TO LIGHT GREY, SOME TO TRACE CLAY, TRACE FINE TO MEDIUM GRAVEL, MOIST, COMPACT. 583 19 100 09 2.3 SAMDY SILT TILL GREY BECOMING DARK GREY AT 4.8 m, SOME BECOMING MOIST TO WET AT 6.1 m, VERY DENSE. 554 69 100 07 SS5 N VALUE: 67 FOR 150 mm 3.0 3.0 555 67 100 70 SS5 N VALUE: 67 FOR 150 mm 4.0 56 70 100 70 SS5 N VALUE: 70 FOR 150 mm SS6 N VALUE: 70 FOR 150 mm 5.0 5.0 5.5 67 100 70 SS5 N VALUE: 70 FOR 150 mm 6.0 5.0 5.5 70 100 70 SS5 N VALUE: 70 FOR 150 mm 6.0 5.0 5.5 100 95 SS7 N VALUE: 45 FOR 150 mm, 50 FOR 125 mm 6.0 6.4 BOREHOLE TERMINATED AT 6.4 m IN SANDY SILT 559 100 105 SS9 N VALUE: 55 FOR 150 mm, 50 FOR 125 mm		1.5 —	SANDY SILT:										
23 SANDY SILT TILL: GREY BECOMING ADRK GREY AT 4.6 m, SOME GRAVEL, SOME TO TRACE CLAY, MOIST BECOMING MOIST TO WET AT 6.1 m, VERY DENSE. S54 69 100 69 60 69 69 69 69 60 69 69 60 69 60 69 60 69 60 60 69 60			DARK GREY TO LIGHT GREY, SOME TO TRACE CLAY, TRACE FINE TO MEDIUM GRAVEL, MOIST,			SS3	19		100				
23 SANDY SULT TILL: GREY BECOMING DARK GREY AT 4.6 m. SOME SS4 69 100 69 30 GREY BECOMING MOIST TO WET AT 6.1 m, VERY DENSE. SS5 67 100 67 SS6 N VALUE: 67 FOR 150 mm 40 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 40 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 40 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 40 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 40 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 40 SS6 70 100 70 SS6 N VALUE: 70 FOR 150 mm 50 SS7 95 100 85 SS7 N VALUE: 70 FOR 150 mm, 50 FOR 125 mm 60 SS8 89 100 89 SS8 N VALUE: 70 FOR 150 mm, 50 FOR 125 mm 60 BOREHOLE TERMINATED AT 6.4 m IN SANDY SULT SS9 100 105 SS9 N VALUE: 55 FOR 150 mm, 50 FOR 125 mm	2.0	1	COMPACT.										
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