

# **ATTACHMENT A**

## **Borehole Records**

## LIST OF ABBREVIATIONS

The abbreviations commonly employed on Records of Boreholes, on figures, and in the text of the report are as follows:

### I. SAMPLE TYPE

AS	Auger sample
BS	Block sample
CS	Chunk sample
DO or DP	Seamless open-ended, driven or pushed tube samplers
DS	Denison type sample
FS	Foil sample
RC	Rock core
SC	Soil core
SS	Split spoon sampler
ST	Slotted tube
TO	Thin-walled, open
TP	Thin-walled, piston
WS	Wash sample
DT	Dual tube sample
DD	Diamond drilling

### II. PENETRATION RESISTANCE

#### Standard Penetration Resistance (SPT), N:

The number of blows by a 63.5 kg. (140 lb.) hammer dropped 760 mm (30 in.) required to drive a 50 mm (2 in.) split spoon sampler for a distance of 300 mm (12 in.).

#### Dynamic Cone Penetration Resistance (DCPT); $N_d$ :

The number of blows by a 63.5 kg (140 lb.) hammer dropped 760 mm (30 in.) to drive an uncased 50 mm (2 in.) diameter, 60° cone attached to "A" size drill rods for a distance of 300 mm (12 in.).

<b>PH:</b>	Sampler advanced by hydraulic pressure
<b>PM:</b>	Sampler advanced by manual pressure
<b>WH:</b>	Sampler advanced by static weight of hammer
<b>WR:</b>	Sampler advanced by weight of sampler and rod

#### Cone Penetration Test (CPT):

An electronic cone penetrometer with a 60° conical tip and a projected end area of 10 cm<sup>2</sup> pushed through ground at a penetration rate of 2 cm/s. Measurements of tip resistance ( $q_t$ ), porewater pressure ( $u$ ) and friction along a sleeve are recorded electronically at 25 mm penetration intervals.

### III. SOIL DESCRIPTION

#### (a) Cohesionless Soils

Density Index (Relative Density)	N Blows/300 mm Or Blows/ft.
Very loose	0 to 4
Loose	4 to 10
Compact	10 to 30
Dense	30 to 50
Very dense	over 50

#### (b) Cohesive Soils $C_u$ or $S_u$

Consistency	kPa	Psf
Very soft	0 to 12	0 to 250
Soft	12 to 25	250 to 500
Firm	25 to 50	500 to 1,000
Stiff	50 to 100	1,000 to 2,000
Very stiff	100 to 200	2,000 to 4,000
Hard	Over 200	Over 4,000

### IV. SOIL TESTS

w	Water content
$w_p$ or PL	Plastic limited
$w_l$ or LL	Liquid limit
C	Consolidation (oedometer) test
CHEM	Chemical analysis (refer to text)
CID	Consolidated isotropically drained triaxial test <sup>1</sup>
CIU	Consolidated isotropically undrained triaxial test with porewater pressure measurement <sup>1</sup>
$D_R$	Relative density
DS	Direct shear test
G <sub>s</sub>	Specific gravity
M	Sieve analysis for particle size
MH	Combined sieve and hydrometer (H) analysis
MPC	Modified Proctor compaction test
SPC	Standard Proctor compaction test
OC	Organic content test
SO <sub>4</sub>	Concentration of water-soluble sulphates
UC	Unconfined compression test
UU	Unconsolidated undrained triaxial test
V	Field vane test (LV-laboratory vane test)
$\gamma$	Unit weight

Note: <sup>1</sup> Tests which are anisotropically consolidated prior shear are shown as CAD, CAU.

## LIST OF SYMBOLS

Unless otherwise stated, the symbols employed in the report are as follows:

### I. GENERAL

$\pi$	3.1416
$\ln x$	natural logarithm of x
$\log_{10} x$ or $\log x$	logarithm of x to base 10
g	acceleration due to gravity
t	time
FOS	factor of safety
V	volume
W	weight

### II. STRESS AND STRAIN

$\gamma$	shear strain
$\Delta$	change in, e.g. in stress: $\Delta \sigma'$
$\epsilon$	linear strain
$\epsilon_v$	volumetric strain
$\eta$	coefficient of viscosity
$\nu$	Poisson's ratio
$\sigma$	total stress
$\sigma'$	effective stress ( $\sigma' = \sigma - u$ )
$\sigma'_{vo}$	initial vertical effective overburden stress
$\sigma_1 \sigma_2 \sigma_3$	principal stresses (major, intermediate, minor)
$\sigma_{oct}$	mean stress or octahedral stress $= (\sigma_1 + \sigma_2 + \sigma_3) / 3$
$\tau$	shear stress
u	porewater pressure
E	modulus of deformation
G	shear modulus of deformation
K	bulk modulus of compressibility

### III. SOIL PROPERTIES

#### (a) Index Properties

$\rho(\gamma)$	bulk density (bulk unit weight)*
$\rho_d(\gamma_d)$	dry density (dry unit weight)
$\rho_w(\gamma_w)$	density (unit weight) of water
$\rho_s(\gamma_s)$	density (unit weight) of solid particles
$\gamma'$	unit weight of submerged soil ( $\gamma' = \gamma - \gamma_w$ )
$D_R$	relative density (specific gravity) of solid particles ( $D_R = \rho_s / \rho_w$ ) formerly ( $G_s$ )
e	void ratio
n	porosity
S	degree of saturation
*	Density symbol is $\rho$ . Unit weight symbol is $\gamma$ where $\gamma = \rho g$ (i.e. mass density multiplied by acceleration due to gravity)

#### (a) Index Properties (continued)

w	water content
$w_l$ or LL	liquid limit
$w_p$ or PL	plastic limit
$I_p$ or PI	plasticity Index = $(w_l - w_p)$
$w_s$	shrinkage limit
$I_L$	liquidity index = $(w - w_p) / I_p$
$I_c$	consistency index = $(w_l - w) / I_p$
$e_{max}$	void ratio in loosest state
$e_{min}$	void ratio in densest state
$I_D$	density index = $(e_{max} - e) / (e_{max} - e_{min})$ (formerly relative density)

#### (b) Hydraulic Properties

h	hydraulic head or potential
q	rate of flow
v	velocity of flow
i	hydraulic gradient
k	hydraulic conductivity (coefficient of permeability)
j	seepage force per unit volume

#### (c) Consolidation (one-dimensional)

$C_c$	compression index (normally consolidated range)
$C_r$	recompression index (overconsolidated range)
$C_s$	swelling index
$C_\alpha$	coefficient of secondary consolidation
$m_v$	coefficient of volume change
$c_v$	coefficient of consolidation (vertical direction)
$T_v$	time factor (vertical direction)
U	degree of consolidation
$\sigma'_p$	pre-consolidation stress
OCR	overconsolidation ratio = $\sigma'_p / \sigma'_{vo}$

#### (d) Shear Strength

$\tau_p$ or $\tau_r$	peak and residual shear strength
$\phi'$	effective angle of internal friction
$\delta$	angle of interface friction
$\mu$	coefficient of friction = $\tan \delta$
$c'$	effective cohesion
$c_u$ or $s_u$	undrained shear strength ( $\phi = 0$ analysis)
p	mean total stress $(\sigma_1 + \sigma_3) / 2$
$p'$	mean effective stress $(\sigma'_1 + \sigma'_3) / 2$
q	$(\sigma_1 - \sigma_3) / 2$ or $(\sigma'_1 - \sigma'_3) / 2$
$q_u$	compressive strength $(\sigma_1 - \sigma_3)$
$S_t$	sensitivity

Notes: <sup>1</sup>  $\tau = c' + \sigma' \tan \phi'$

<sup>2</sup> shear strength = (compressive strength) / 2

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-1

SHEET 1 OF 1

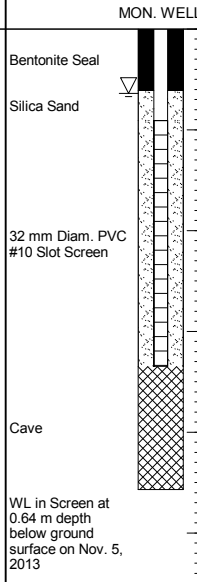
LOCATION: N 5020218.07 ; E 465752.57

BORING DATE: October 21, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRAATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
								20	40	60	80	nat V. +	rem V. ⊕			Q - ●	U - ○
0		GROUND SURFACE															
0.00		Brown silty sand, with organic matter (TOPSOIL)															
0.46		Intermixed brown silty sand and red brown silty clay (Probable Fill)			1	53 mm TUBE											
2.18		Red brown SILTY CLAY															
2.44		Intermixed brown SILTY SAND and red brown SILTY CLAY			2	53 mm TUBE											
2.44		Grey SILTY SAND															
3.65		Red grey SILTY CLAY			3	53 mm TUBE											
4.57		End of Borehole															



CRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM

DEPTH SCALE

1 : 75



LOGGED: DG

CHECKED: DH

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-2

SHEET 1 OF 1

LOCATION: N 5020213.93 ; E 465749.43

BORING DATE: October 21, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	SHEAR STRENGTH				WATER CONTENT PERCENT					
							20 40 60 80		nat V. + Q - rem V. ⊕ U - ○		10 <sup>-8</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-2</sup>		Wp  -----  W  -----  WI			
0		GROUND SURFACE														
		Brown silty sand, with organic matter (TOPSOIL)	[Pattern]	0.00											Native Backfill	
		Red brown silty sand (Probable Fill)	[Pattern]	0.30	1	53 mm TUBE									Bentonite Seal	
1															Silica Sand	
		Grey fine sand, trace silt (Probable Fill)	[Pattern]	1.22												
2	Geoprobe				2	53 mm TUBE									32 mm Diam. PVC #10 Slot Screen	
3																
		Red grey SILTY CLAY	[Pattern]	3.81	3	53 mm TUBE									Cave	
4																
		End of Borehole		4.57											WL in Screen at 0.42 m depth below ground surface on Nov. 5, 2013	
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

CRRC-SOIL\_1211250045.GPJ\_GAL-MIS.GDT\_11/18/14\_JM

DEPTH SCALE

1 : 75



LOGGED: DG

CHECKED: DH

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-3

SHEET 1 OF 1

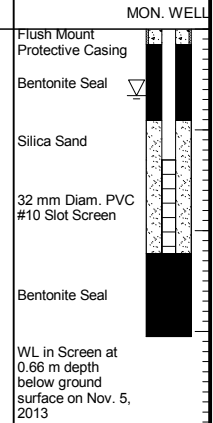
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BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90°      AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								20    40    60    80		nat V. + Q - rem V. ⊕ U - ⊙		10 <sup>-8</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-2</sup>				Wp  -----  W  -----  WI	
0		GROUND SURFACE															
0.91	Geoprobe	Grey crushed stone (ENGINEERED FILL)		0.00													
1.30		Grey brown sandy silt, trace clay (FILL)		0.91	1	53 mm TUBE											
1.52		Grey brown SILTY SAND		1.30													
1.52		Brown SILTY SAND		1.52													
2.23		Red grey SILTY CLAY		2.23	2	53 mm TUBE											
3.05		End of Borehole		3.05													



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PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-4






SHEET 1 OF 1

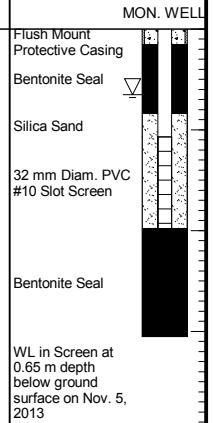
LOCATION: N 5020221.09;E 465748.67

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
								20	40	60	80	nat V. +	rem V. ⊕			Q - ●	U - ○
0		GROUND SURFACE															
		Grey crushed stone (ENGINEERED FILL)		0.00													
1	Geoprobe	Brown silty fine sand, trace medium sand (FILL)		0.91	1	53 mm TUBE											
		Grey SILTY SAND		1.12													
		Brown SILTY SAND		1.52													
2		Red grey SILTY CLAY		1.98	2	53 mm TUBE											
3		End of Borehole		3.05													
4																	
5																	
6																	
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9																	
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11																	
12																	
13																	
14																	
15																	



CRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM

DEPTH SCALE

1 : 75



LOGGED: HEC

CHECKED: DH

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-5









SHEET 1 OF 1

LOCATION: N 5020219.28 ; E 465749.50

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRAATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
								20	40	60	80	nat V. rem V.	+ ⊕			- ⊖	● ○
0		GROUND SURFACE															
		Grey crushed stone (ENGINEERED FILL)		0.00											MON. WELL		
1		Brown fine sand, trace gravel (FILL)		0.81	1	53 mm TUBE									Flush Mount Protective Casing		
		Dark grey to black silty fine sand to sandy silt, trace gravel and organic matter (TOPSOIL)		1.07													
		Grey SILTY SAND		1.52													
2		Mottled red brown to grey brown SILTY CLAY		1.78													
		Red grey SILTY CLAY		2.44	2	53 mm TUBE									Bentonite Seal		
3																	
4	Geoprobe																
5																	
6		Grey SILTY SAND		5.69	4	53 mm TUBE									Silica Sand		
		Red grey SILTY CLAY		6.17											32 mm Diam. PVC #10 Slot Screen		
7																	
8		End of Borehole		7.62	5	53 mm TUBE									Bentonite Seal		
9																	
10																	
11																	
12																	
13																	
14																	
15																	

CRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM

DEPTH SCALE

1 : 75



LOGGED: HEC

CHECKED: DH



PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-6

SHEET 1 OF 1

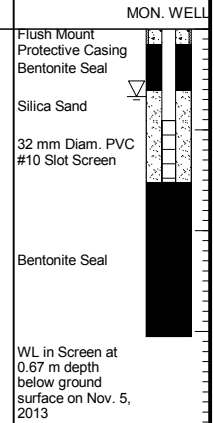
LOCATION: N 5020218.82 ; E 465748.50

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
								20		40		60				80	
0		GROUND SURFACE															
0.91	Geoprobe	Grey crushed stone (ENGINEERED FILL)		0.00													
1.52		Brown silty fine sand, trace medium sand, trace organic clay tile (FILL)		0.91	1	53 mm TUBE											
2.00		Dark grey to black silty fine sand, trace gravel, wood and organic matter (TOPSOIL)		1.52													
3.05		Grey brown to red brown SILTY CLAY			2	53 mm TUBE											
3.05		End of Borehole		3.05													



CRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM



PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-7








SHEET 1 OF 1

LOCATION: N 5020213.64 ; E 465752.08

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								Cu, kPa		nat V. rem V.		+				Q - U	
0		GROUND SURFACE															
0.00		Grey crushed stone (ENGINEERED FILL)		0.00											MON. WELL		
0.91		Brown to grey silty fine sand to sandy silt (FILL)		0.91	1	53 mm TUBE									Flush Mount Protective Casing		
1.30		Grey silty fine sand, trace wood and organic matter (TOPSOIL)		1.30													
1.52		Brown to grey brown SILTY SAND		1.52													
2.29		Red brown to grey SILTY CLAY, with sand seams		2.29	2	53 mm TUBE									Bentonite Seal		
5.64	Geoprobe	Grey SILTY fine SAND		5.64	4	53 mm TUBE									Silica Sand		
6.10		Red grey SILTY CLAY		6.10	5	53 mm TUBE									32 mm Diam. PVC #10 Slot Screen		
7.62		End of Borehole		7.62											Bentonite Seal		
8.00															WL in Screen at 0.97 m depth below ground surface on Nov. 5, 2013		

CRRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM

DEPTH SCALE

1 : 75



LOGGED: HEC

CHECKED: DH

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-8

SHEET 1 OF 1

LOCATION: N 5020212.73 ;E 465752.50

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH Cu, kPa		WATER CONTENT PERCENT		WATER CONTENT PERCENT			
								20	40	60	80	10 <sup>-8</sup>	10 <sup>-6</sup>		
0	Geoprobe	GROUND SURFACE													
0.00		Grey crushed stone (ENGINEERED FILL)	[Cross-hatched pattern]	0.00	1	53 mm TUBE									<p>MON. WELL</p> <p>Flush Mount Protective Casing</p> <p>Bentonite Seal</p> <p>Silica Sand</p> <p>32 mm Diam. PVC #10 Slot Screen</p> <p>Bentonite Seal</p>
0.99		Brown silty fine sand (FILL)	[Wavy pattern]	0.99											
1.14		Grey brown silty fine sand, trace clay and black silt (TOPSOIL)	[Wavy pattern]	1.14											
1.52	Red brown SILTY CLAY, some black silt (FILL)	[Cross-hatched pattern]	1.52	2	53 mm TUBE										
2.74	Brown SILTY SAND	[Dotted pattern]	2.74												
3.12	Red grey SILTY CLAY, trace grey silty fine sand seams	[Cross-hatched pattern]	3.12	3	53 mm TUBE										
4.57	End of Borehole		4.57												
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

CRRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM

DEPTH SCALE

1 : 75



LOGGED: HEC

CHECKED: DH

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-9

SHEET 1 OF 1

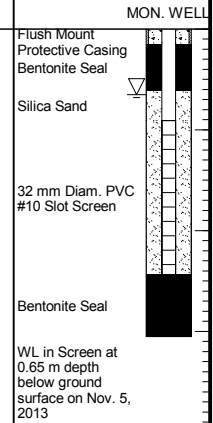
LOCATION: N 5020210.91 ; E 465753.33

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH Cu, kPa				WATER CONTENT PERCENT					
								20	40	60	80	nat V. +	rem V. ⊕			Q - ●	U - ○
0		GROUND SURFACE															
0.00		Grey crushed stone (ENGINEERED FILL)		0.00													
1.07	Geoprobe	Brown fine sand, trace silt (FILL)		1.07	1	53 mm TUBE											
1.22		Brown to grey silty fine sand, some gravel, trace wood, plastic and glass (FILL)		1.22													
1.52		Black to grey brown silty fine sand, some organic matter (TOPSOIL)		1.52													
2.13		Interbedded grey brown SILTY SAND and red brown SILTY CLAY		2.13	2	53 mm TUBE											
2.64		Red brown SILTY CLAY		2.64													
3.05		End of Borehole		3.05													



CRRC-SOIL 1211250045.GPJ GAL-MIS.GDT 11/18/14 JM

DEPTH SCALE

1 : 75



LOGGED: HEC

CHECKED: DH

PROJECT: 12-1125-0045-1100

# RECORD OF BOREHOLE: B13-10






SHEET 1 OF 1

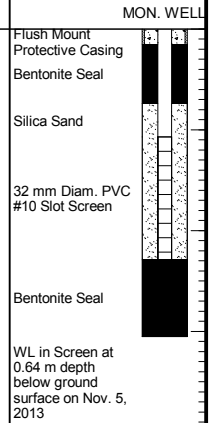
LOCATION: N 5020208.18 ;E 465754.57

BORING DATE: October 28, 2013

DATUM: Geodetic

INCLINATION: -90° AZIMUTH: ---

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		DYNAMIC PENETRATION RESISTANCE, BLOWS/0.3m				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	SHEAR STRENGTH				WATER CONTENT PERCENT					
								20 40 60 80		nat V. + Q - rem V. ⊕ U - ○		10 <sup>-8</sup> 10 <sup>-5</sup> 10 <sup>-4</sup> 10 <sup>-2</sup>				Wp  -----  W  -----  WI	
0		GROUND SURFACE															
		Grey crushed stone (ENGINEERED FILL)		0.00													
1	Geoprobe	Brown silty fine sand, trace clay tile (FILL)		0.84	1	53 mm TUBE											
		Black to grey silty fine sand, trace organic matter (TOPSOIL)		1.14													
		Brown fine SILTY SAND		1.52													
2		Red brown SILTY CLAY		2.29	2	53 mm TUBE											
3		End of Borehole		3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	



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