

CLIENT CITY OF WINNIPEG - WATER AND WASTE DEPARTMENT
PROJECT 2007 GATE CHAMBER UPGRADES
SITE Lake 6-14 Gate Chamber
LOCATION 20 m East of Existing Gate Chamber
DRILLING METHOD 125 mm ø Solid Stem Auger, Acker MP5-T

JOB NO. 07-107-10
GROUND ELEV.
TOP OF PVC ELEV.
WATER ELEV.
DATE DRILLED 11-Jul-07
UTM (m) N 5,519,351
 E 630,015

ELEVATION (m)	DEPTH (m) (ft)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG	DEPTH (m)	SAMPLE TYPE NUMBER	RECOVERY %	SPT (N) blows/0.15 m ▲ DYNAMIC CONE (N) blows/ft △	POCKET PEN (kPa) ★ Cu TORVANE (kPa) ◆	
									PL	MC
			<p>TOPSOIL - Black, organics, trace rootlets.</p> <p>CLAY (LACUSTRINE) (CH) - Brown, moist, firm, high plasticity, massive structure, fat clay, trace silt, trace oxidation.</p>							
1	5					S1				
2			<p>SILT (ML) - Brown, moist, soft, low plasticity, trace clay, trace oxidation.</p> <p>CLAY (LACUSTRINE) (CH) - Brown mottled light brown, moist, firm, high plasticity, massive structure, fat clay, trace silt, trace oxidation.</p>							
3	10		- Firm at 2.90 m.			S2				
4	15		- Firm at 4.42 m. - Becoming softer with depth below 4.42 m.			S3				
5										
6	20		- Firm below 5.94 m. - Grey below 6.55 m.			S4				
7										
8	25		- Firm at 7.47 m.			S5				
9	30		- Firm at 8.99 m.			S6				

SAMPLE TYPE Auger Grab Split Spoon

CONTRACTOR **Paddock Drilling Ltd.** INSPECTOR **D. ANDERSON**

APPROVED _____ DATE 13/8/07

SPT & TORVANE 2 P:\PROJECTS\2007\07-0107-10\GEOLOGS\07-107-10\LOGS.GPJ

ELEVATION (m)	DEPTH (m) (ft)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG	DEPTH (m)	SAMPLE TYPE	NUMBER	RECOVERY %	SPT (N) blows/0.15 m ▲ DYNAMIC CONE (N) blows/ft △	POCKET PEN (kPa) ★	Cu TORVANE (kPa) ◆
										20 40 60 80	PL MC LL %
35			- Soft to firm at 10.52 m.								
11			- Trace gravel below 10.97 m.								
12			- Soft to firm at 12.04 m.								
13			CLAY TILL - Light grey, wet, soft, intermediate plasticity, trace silt, trace coarse grained sand, trace clay.								
14			- Loose to compact based on SPT test conducted at 13.7 m.								
15											
16											
17											
18			AUGER REFUSAL AT 17.68 m.								
19			Note: 1. Water level measured at 9.14 m below ground surface in standpipe after drilling. 2. No sloughing and squeezing of test hole after drilling below 4.57 m. 3. Installed Casagrande standpipe at 17.68 m with 0.98 m stickup.								
20											
21											

SAMPLE TYPE  Auger Grab  Split Spoon

CONTRACTOR **Paddock Drilling Ltd.** INSPECTOR **D. ANDERSON**

APPROVED _____ DATE 13/8/07

SPT & TORVANE 2 P:\PROJECTS\2007\07-0107-10\GEOLOGS\07-107-10\LOGS.GPJ