


CLIENT CITY OF WINNIPEG - WATER AND WASTE DEPARTMENT
PROJECT 2007 GATE CHAMBER UPGRADES
SITE Rainbow Stage (Gate Chamber)
LOCATION 4 m South of Manhole at the Site
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 5,533,792
 E 636,236

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
			TOPSOIL - Black, organics, trace rootlets.							
			SILTY CLAY FILL (CI) - Dark brown, moist, firm, intermediate plasticity, some to with silt, trace coarse grained sand, trace gravel, trace oxidation, trace rootlets, trace wood pieces.							
1	5					S1				
2			SILTY CLAY (ALLUVIAL) (CI) - Brown, moist, firm to stiff, intermediate plasticity, lean clay, some to with silt, trace sand, trace oxidation.							
3	10					S2				
4			- Lighter brown, softer below 4.27 m. - Water table at 4.27 m.							
5	15		SILTY SAND (SM) - Brown, wet, loose, poorly graded coarse grained sand, some to with silt, trace clay.			S3				
6			SILT (ML) - Brown, wet, soft to very soft, low plasticity, with poorly graded fine grained sand, trace clay.							
7	20					S4				
8			- Grey, increased clay pockets below 7.01 m. - No clay, increased fine grained sand below 7.62 m. - Clay pockets below 8.23 m.							
9	25					S5				
			SAND (SP) - Grey, wet, loose, poorly graded medium grained sand, trace to some fine grained sand.							
						S6				
						S7				

SAMPLE TYPE  Auger Grab

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

APPROVED _____ DATE 13/8/07

SPT & TORVANE 2 P:\PROJECTS\2007\07-01\07-10\GEOLOGS\07-107-10\LOGS.GPJ

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									20 40 60 80	PL MC LL %
	35		CLAY (LACUSTRINE) (CH) - Grey, moist, soft to firm, high plasticity, massive structure, fat clay, trace silt nodules. - Becoming softer with depth.			S8				
	40					S9				
	45					S10				
	50					S11				
	55		CLAY TILL - Grey to pink, moist, firm to dense, intermediate to high plasticity, trace silt, trace sand, trace gravel. - Trace till inclusions below 14.33 m.			S12				
	60				16.3	S13				
	65				16.5					
	70		AUGER REFUSAL AT 17.37 m.		17.4					
			Note: 1. Water level measured at 7.04 m below ground surface in standpipe after drilling. 2. Test hole sloughed and squeezed below 4.57 m. 3. Installed Casagrande standpipe at 17.37 m with 1.03 m stickup. 4. Water infiltration into test hole at 4.57 m.							

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