

APPENDIX A

TEST HOLE LOG

CLIENT CITY OF WINNIPEG - WATER AND WASTE DEPARTMENT
PROJECT 2018 OUTFALL RENEWAL AND REHABILITATION
SITE Valley View Outfall
LOCATION ~9m North of Outfall and ~3m West of Retaining Wall
DRILLING METHOD 125 mm ø Solid Stem Auger, ACKER MP5 Drill Rig

JOB NO. 17-0107-020
GROUND ELEV. 233.90
TOP OF CASING ELEV.
WATER ELEV.
DATE DRILLED 11/16/2017
UTM (m) N 5,527,968
 E 622,991

ELEVATION (m)	DEPTH		GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZ. LOG	DEPTH (m)	SAMPLE TYPE NUMBER	RECOVERY %	SPT (N) blows/0.15 m ▲ DYNAMIC CONE (N) blows/ft △	Cu POCKET PEN (kPa) ★ Cu TORVANE (kPa) ◆		
	(m)	(ft)								PL	MC	LL
233.8				TOPSOIL - Black, frozen, rootlets. CLAY FILL - Blackish brown, damp, loose/crumblly, intermediate to high plasticity, trace rootlets/roots.		0.3						
233	1						S1					
232.4	5			SILTY CLAY - Brown, moist, stiff, high plasticity, trace gypsum lenses, trace silt nodules.								
232	2											
231	3	10		- Firm, no gypsum below 3.05 m. - Soft below 3.66 m.			S2					
230	4											
229	5	15		- Grey below 4.42 m.		4.4	S3					
228.4						4.6						
228	6	20		SILT TILL - Light grey, moist, loose to compact, some fine to coarse grained sand, trace fine grained gravel.			S4					
227	7			- Compact below 6.10 m. - Damp to moist, dense below 6.55 m.			S5					
226	8	25					S6	6 11 15				
225.7												
225	9	30		AUGER REFUSAL AT 8.23 m		7.9	S7					
224	10			Notes: 1. Test hole remained open to 8.23 m after drilling. 2. Water level at 4.27 m below grade after drilling. 3. Installed pneumatic piezometers at 4.57 m (037759) and 8.08 m (037756) below grade. 4. Installed a slope inclinometer to 8.23 m below grade with a stick-up of 0.91 m.		8.1	S8					
223	11	35				8.2						
222												

SAMPLE TYPE  Auger Grab  Split Spoon

CONTRACTOR **Maple Leaf Drilling Ltd.** INSPECTOR **C. FRIESEN**

APPROVED **DRAFT**

DATE **4/5/18**