

APPENDIX A – TEST HOLE LOG INFORMATION

CLIENT MANITOBA HOUSING & RENEWAL CORP.
PROJECT Bruce Oake Recovery Center
SITE 255 Hamilton Avenue, Winnipeg, Manitoba
LOCATION Mid Bank of Sturgeon Creek
DRILLING METHOD 125 mm ø Solid Stem Auger, Acker MP5-T

JOB NO. 18-1441-006
GROUND ELEV. 235.72
TOP OF CASING ELEV. 236.86
WATER ELEV.
DATE DRILLED 4/5/2019
UTM (m) N 5,528,218
 E 622,855

ELEVATION (m)	DEPTH		GRAPHICS	DESCRIPTION AND CLASSIFICATION	PIEZO 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
235.7				TOPSOIL - Black, frozen.								
235	1			FAT CLAY (CH) - Black, moist, firm to stiff, high plasticity, with organics. Frozen to 1.22 m. - Brown, trace silt pockets, trace fine to coarse grained sand, trace fine grained gravel below 0.33 m. - Increasing silt and sand content below 1.52 m. - Tan, soft to firm, increasing silt and sand content below 2.13 m.								
234	5											
233	10											
232	15			- Grey, soft below 4.27 m. - Transitioning to clay till (large wet pockets) below 4.57 m.		3.4 3.6						
231.0	20			CLAY TILL - Grey, wet, very soft, high plasticity, poorly graded fine grained sand, trace fine grained gravel.								
230	25											
229	30			- Increasing size of fine grained gravel below 6.10 m.		5.9 6.0						
228	35			- Auger shaking below 7.62 m. - Pockets of dry poorly graded fine grained sand, increase in well graded fine grained gravel below 7.62 m.								
227	40					8.0 8.3 8.6						
226.4	45			- Stopped augering at 9.14 m. - SPT refusal on suspected boulder at 9.27 m.		8.9 9.3						
226				END OF TEST HOLE AT 9.27 m								
225				Notes: 1. Hole open to 8.66 m after drilling. 2. Installed 25 mm diameter standpipe piezometer, slotted from 8.62 to 8.92 m below grade. 3. Installed two (2) pneumatic piezometers: - S/N 038154 at 5.88 m below grade. - S/N 038155 at 3.44 m below grade. 3. Test hole was backfilled with sand, bentonite chips and cement-bentonite grout mix to grade.								
224												
223												
222												

SAMPLE TYPE  Auger Grab  Split Spoon

CONTRACTOR
Maple Leaf Enterprises

INSPECTOR
L. CHALMERS

APPROVED
D. ANDERSON

DATE
4/9/19

GEO\TECHNICAL-SOIL LOG C:\USERS\CHALMERS\DESKTOP\BRUCE OAKE_LC.GPJ