

CLIENT CITY OF WINNIPEG
PROJECT MONTCALM FORCE MAIN REPLACEMENT
SITE MONTCALM FORCE MAIN
LOCATION EAST TOP OF BANK AT SHAFT, 5529372 N 635924.6 E
DRILLING METHOD 150 mm ø Solid Stem Auger, Acker MP5-T

JOB NO. 03-107-17
GROUND ELEV. 230.40 m
WATER ELEV.
DATE DRILLED 16 Jan 04

ELEVATION m (ft)	DEPTH		GRAPHICS	DESCRIPTION AND CLASSIFICATION	SAMPLE TYPE	NUMBER	RECOVERY %	SPT (N) blows/0.30 m ▲	Cu TORVANE (kPa) ◆		
	(m)	(ft)							PL	MC	LL
230.3				GRAVEL FILL							
230				CLAY (FILL) (CH) - Brown, moist, stiff, high plasticity, trace organics, trace coarse grained gravel, trace silt.							
229.5	1			CLAY (LACUSTRINE) (CH) Brown, moist, stiff, trace to some fine to coarse grained sand, trace fine grained gravel (-), trace oxidation.							
229		5		- Firm at 2.25 m.	1	100					
228		2			2	100					
227		3									
226		4									
225		5		- Grey, wet at 4.57 m.	3	100					
224		6			4	100					
223		7									
222		8		- Trace 1-2 mm ø silt nodules at 7.62 m. - Water seepage at 7.62 m.	5	100					
221		9		- Increased silt nodules (3-5 mm ø) at 9.14 m.	6	100					

SAMPLE TYPE  Auger Grab  Split Spoon

CONTRACTOR Paddock Drilling Ltd. **INSPECTOR** J. CHING

APPROVED _____ **DATE** 19/01/04

ELEVATION m (ft)	DEPTH (m) (ft)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	SAMPLE TYPE	NUMBER	RECOVERY %	SPT (N) blows/0.30 m ▲	Cu TORVANE (kPa) ◆		
								PL	MC	LL
							20 40 60	20 40 60 80	20 40 60 80	20 40 60 80
220	35				7	100		◆		
219	40				8	100		◆		
218	45					9	100		◆	
217	50					10	100		◆	
216	55					11	100		◆	
215	60					12	100		◆	
214	65					13	100		◆	
213.4	66					14	100		◆	
213.0	67					15	100		◆	
213	68					16	100		◆	
212	69					17	100		◆	
211.7	70					18	100		◆	
211	71					19	100		◆	
210	72					20	100		◆	
209	73				21	100		◆		
					14	100	▲ 185 For 0.25 m			

- Soft at 13.72 m.

CLAY (TILL)- Grey, moist, soft, trace to some fine to coarse grained gravel, trace fine grained sand.

SILT (TILL)- Brown, moist, compact, non plastic, some fine to coarse grained angular gravel, trace fine grained sand.

END OF HOLE AT 18.69 m

SAMPLE TYPE Auger Grab Split Spoon

CONTRACTOR **Paddock Drilling Ltd.** INSPECTOR **J. CHING**

APPROVED _____ DATE 19/01/04

SPT & TORVANE P:\PROJECTS\2003\03-0107-17\GEOLOGS\03-107-17.GPJ