

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	55			12	100				
214	60			13	100				
213.4	60			14	100				
213.0	65			15	100				
213	65			16	100				
212	70			17	100				
211.7	70			18	100				
211	75			19	100				
210	80			20	100				
209	85		21	100					

- 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

▲ 185
For 0.25 m

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