

**CLIENT** CITY OF WINNIPEG  
**PROJECT** MONTCALM FORCE MAIN REPLACEMENT  
**SITE** MONTCALM FORCE MAIN  
**LOCATION** CENTRE OF RIVER, 5529412.5 N 635790.6 E  
**DRILLING METHOD** Ranger Coring

**JOB NO.** 03-107-17  
**GROUND ELEV.** 213.70 m  
**WATER ELEV.**  
**DATE DRILLED** 15 Jan 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
213	1		<u>SOFT SOIL</u> - Trace gravel below 0.81 m. - No Recovery. - 0.46 m of ice. Ice elevation 221.4 m. - Bottom of river is 7.72 m from top of ice. The above descriptions are based on driller's input.						
212.1	5			1					
212	2		<u>SILT (TILL)</u> - Brown, moist, low plasticity, with fine to coarse grained angular gravel, some fine to coarse grained sand. - Trace to some cobbles at 1.78 m.						160 Fbr 76 mm
211	3			2					
210	10		- Some to with cobbles at 3.25 m.						
209	15			3					
208	20			4					
207	25			5					
206.9	25			6					
205.9	8		<u>LIMESTONE BEDROCK</u>						
205	9			6					
204.3	30								
204			END OF HOLE AT 9.40 m						

SAMPLE TYPE  Core Barrel  Split Spoon

CONTRACTOR **Paddock Drilling Ltd.**

INSPECTOR **J. CHING**

APPROVED \_\_\_\_\_ DATE 19/01/04