SHEET: COW-A1 (05/2005)

PROJECT: WINNIPEG WATER TREATMENT PLANT	CLENT: City of Winnipeg (Earth Tech)	TEST HOLE NO: 05-53
LOCATION: Bridge Abutments-N 5523991.663 E-647802.283		PROJECT NO. 3398-055-00-01
CONTRACTOR: Maple Leaf Drilling	METHOD: DR-150-125mm Solid Stem Auger	ELEVATION (m): 236.058

SAMPLE TYPE: GRAB, SHELBY TUBE, SPLIT SPOON, BULK, NO RECOVERY, CORE

DEPTH(m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE(#)	PLASTIC M.C. LIQUID (20 40 60 80)	COMMENTS	ELEVATION (m)
0		CLAY (TOPSOIL)-silty, black, moist, stiff, medium plasticity, trace organics					236
		CLAY (FILL) -silty -brown mottled black and grey -moist, firm, medium plasticity					
1							235
				G-502			
2		CLAY-silty -brown mottled light brown -moist, stiff, high plasticity -trace silt inclusion < 30mm diameter to 4.6m -trace oxidation					234
3				G-503			233
4							232
		-brown, greyish below 4.6m		G-504			
5							231
6				G-505			230
		-grey, firm below 6.7m					
7							229
				G-506			
8							228
9				G-507			227
10							226
				G-508			
11							225
12				G-509			224
13							223
				G-510			
14							222
15				G-511			221
16							220

LOGGED BY: Kate Franklin	COMPLETION DEPTH: 20.73m
REVIEWED BY : Nelson Ferreira	COMPLETION DATE: 8/22/05
PROJECT ENGINEER: Ken Skatfield	PAGE 1 of 2

PROJECT: WINNIPEG WATER TREATMENT PLANT	CLENT: City of Winnipeg (Earth Tech)	TEST HOLE NO: 05-53
LOCATION: Bridge Abutments-N 5523991.663 E-647802.283		PROJECT NO. 3398-055-00-01
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SAMPLE TYPE: GRAB, SHELBY TUBE, SPLIT SPOON, BULK, NO RECOVERY, CORE

DEPTH(m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE(#)	PLASTIC M.C. LIQUID (20 40 60 80)	COMMENTS	ELEVATION (m)
17				G-512			219
18		SILT (FILL)-trace clay, trace sand, trace gravel -light brown -moist, loose to compact with depth, non-plastic		G-513			218
19							217
				G-514			
20		-dense, trace cobbles below 20.4m					216
				G-515			
21		END OF TEST HOLE AT 20.7m IN SILT TILL. Notes: 1. Power auger refusal at 20.7m. 2. No seepage or sloughing at completion of drilling 3. Backfilled with bentonite pellets.					215
22							214
23							213
24							212
25							211
26							210

LOGGED BY: Kate Franklin	COMPLETION DEPTH: 20.73m
REVIEWED BY : Nelson Ferreira	COMPLETION DATE: 8/22/05
PROJECT ENGINEER: Ken Skatfield	PAGE 2 of 2

NOTES:

1. SEE SITE PLAN SHEET FOR THE LOCATION OF THIS BORING TEST HOLE.
2. SEE GEOTECHNICAL REPORT FOR BORING LOGS OF NEARBY TEST HOLES AND OTHER AVAILABLE SOIL INFORMATION.

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2006

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	06/02/03	KC

CH2MHILL
Frederickson Cooper ARCHITECTS
EarthTech A Tyco International Ltd. Company

DESIGNED BY	AP	CHECKED BY	EBL
DRAWN BY	KC	APPROVED BY	D.J. TANIGUCHI
SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
DATE		DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL SIGNED BY
E. B. LOEWEN
Member
8325
06/02/06
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
WN-S0171

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
AQUEDUCT BRIDGES
FOUNDATIONS & CONCRETE STRUCTURES

STRUCTURAL
WESTERN BRIDGE
BORING LOGS

CITY FILE NUMBER
SHEET 2 OF 8
CITY DRAWING NUMBER
1-0601M-D-S0171-001-00D

Last Save: 2006-02-07 1:24 PM

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