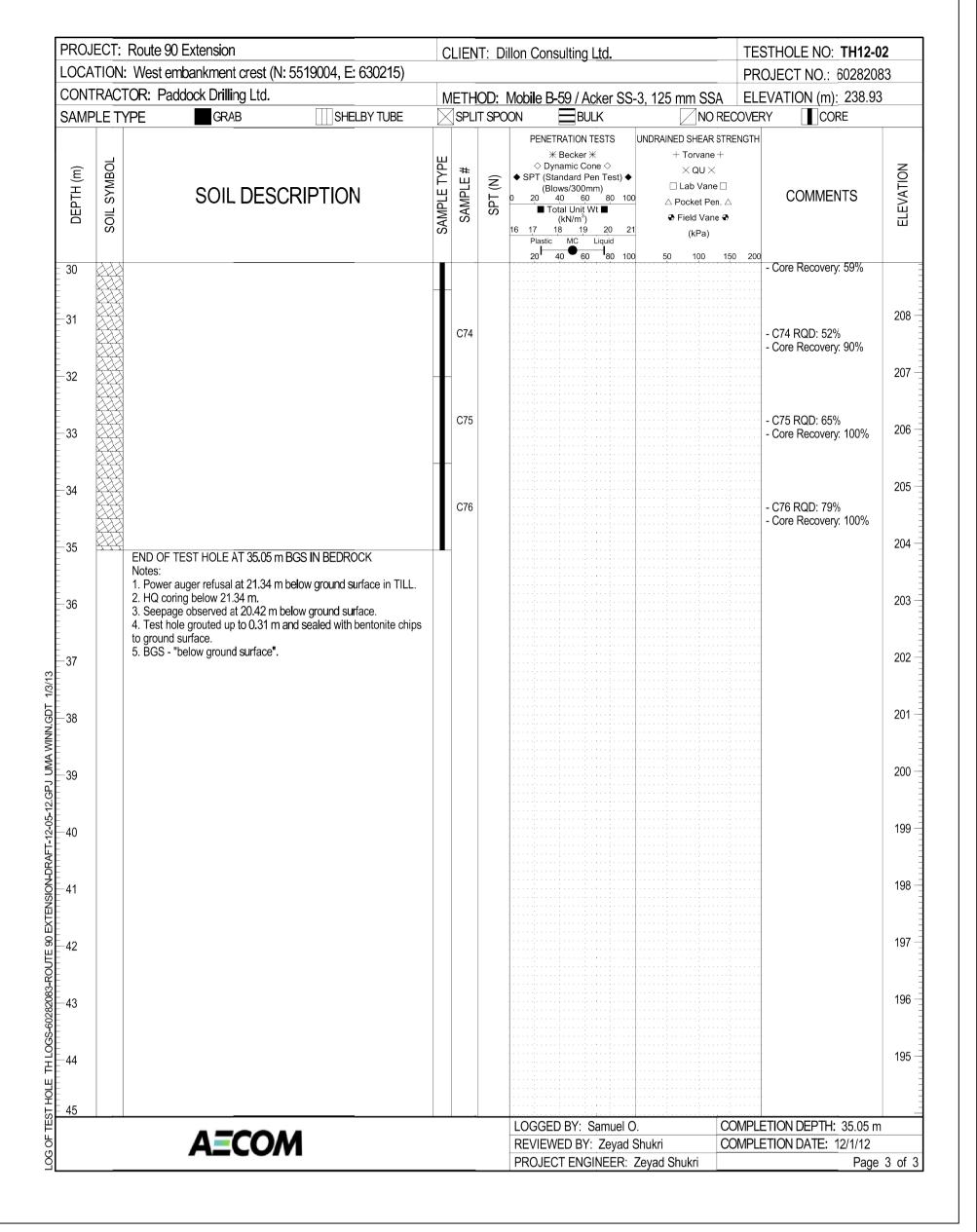


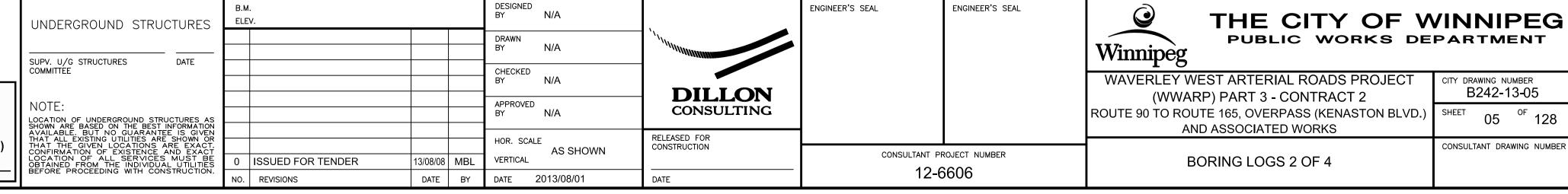
LOCATION: West embankment crest (N: 5519004, E: 630215)						illon Consulting Ltd.	PROJECT NO.: 60282083	
CONTRACTOR: Paddock Drilling Ltd.								
SAMF	PLE T	YPE GRAB SHELBY TUBE		SPL	LIT SPC			_
DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	SPT (N)	PENETRATION TESTS	COMMENTS	
15	//					20 40 60 80 100 50 100 150	200	+
- - -16				T34	+		- Tube Recovery: 100%	
10								
-1 7				S35	6		- 1,2,4 blows/ 150 mm - SPT Recovery: 100%	
-18								
		CILT condu cores destatos estatos					· · · · · · · · · · · · · · · · · · ·	
-19		SILT - sandy, some clay, trace gravel - grey, moist to wet, firm - low plasticity		G36	3			
20		TILL - silty, some sand, some clay, trace to some gravel - greyish brown, moist, dense to very dense						
			X	S37	31		- 9,14,17 blows/ 150 mm - SPT Recovery: 100%	
04		- sand seam (0.60 m thick) - brown, wet, loose		G38	3			
-21		- power auger refusal at 21.34 m bgs		S39	51/		- 51 blows/ 76 mm	
00		- power auger rerusar at 21.54 ITI DQS			76mm	T		
-22				C68	3		- Core Recovery: 44%	'
00								
-23								'
04	900			C69	9		- Core Recovery: 96%	
24								'
0-								
25		- grey, cobbles to boulder below 25.0 m LIMESTONE (Bedrock)		C70)		- C70 RQD: 33% - Core Recovery: 52%	'
		- light grey, core angle: 90 degrees - fine grained, no foliation					33.0 1.030vory, 02.70	
-26		- close spacing, unaltered faces, rough undulating joints - R3, medium strong						'
		- fossiliferous, evidence of water flow - vuggy		C71			- C71 RQD: 22% - Core Recovery: 79%	
-27 :		- oxidized, R2, weak to 27.4 m						'
00		- altered yellow, gapped fractures (180 degrees to core axis) below 27.4 m						
-28		- close spacing, smooth undulating to smooth planar fracture	S	C72	2		- C72 RQD: 24% - Core Recovery: 98%	,
29		grey, R3, medium strong						
		- evidence of water flow - white, laminated below 29.3 m					070 000 000	
30				C73	3	LOCGED BY: Samuel O	- C73 RQD: 8% MPLETION DEPTH: 35.05 m	\perp
A=COM							MPLETION DEPTH: 35.05 m MPLETION DATE: 12/1/12	<u> </u>
		- 12 0 0 1 1 1				PROJECT ENGINEER: Zeyad Shukri	Page	2



TH12-02 (1 OF 3) TH12-02 (2 OF 3)

NOTES:

- 1. THE TEST HOLE LOGS TH12-01, TH12-02, TH12-03, TH12-04 & TH12-05 PROVIDED FOR THIS PROJECT HAVE BEEN COMPILED FOR DESIGN PURPOSES ONLY. WHILE IT IS BELIEVED TO CORRECTLY REPRODUCE OR SUMMARIZE OBSERVATIONS MADE DURING TESTING, THE INFORMATION IS VALID ONLY FOR THE PRECISE LOCATIONS SHOWN AND IS NOT TO BE CONSTRUED AS GUARANTEEING THE ACTUAL MATERIALS AND CONDITIONS EXISTING THROUGHOUT THE SITE, THE TESTING METHODS USED MAY NOT HAVE DETERMINED THE PRESENCE, ABSENCE OR EXTENT OF BOULDERS, HARD OR SOFT FORMATIONS, WATER TABLES, ARTESIAN CONDITIONS AND OTHER VARIABLES. IT IS THE RESPONSIBILITY OF OTHERS USING THIS INFORMATION TO ENSURE THAT IT IS ADEQUATE FOR THEIR PURPOSES OR TO SUPPLEMENT IT WITH ADDITIONAL INFORMATION.
- 2. TEST HOLE LOGS ARE SHOWN FOR DESIGN PURPOSES ONLY. THE INFORMATION IS COMPILED FOR CONVENIENCE FROM THE "ROUTE 90 GEOTECHNICAL INVESTIGATION, FEBRUARY 2013", PROVIDED BY AECOM. ALL DISCLAIMERS IN THIS REPORT ARE APPLICABLE. ADDITIONAL INFORMATION IS AVAILABLE IN THE REPORT AND IN CASE OF DISCREPANCY, THE GEOTECHNICAL REPORT GOVERNS.



Certificate of Authorization

Dillon Consulting Limited (MB)

No. 1789 Date: 2013/08/01