



# BOREHOLE RECORD

## BH205.31-1

CLIENT AECOM/CN

LOCATION Mile 205.31 - Kingston Sub - Concrete Culvert

DATES: BORING April 29, 2009

PROJECT No. 1050561.01

DATUM Local

TPC ELEV. --

WATER LEVEL --

DEPTH (m)	ELEVATION (E)	STRATA DESCRIPTION	STRATA PLOT	WATER LEVEL	DEPTH (ft)	SAMPLES			UNDRAINED SHEAR STRENGTH (kPa)
						TYPE	NUMBER	RECOVERY (mm) TCR(%) / SCR(%)	
0	96.9	Fair quality light grey fossiliferous LIMESTONE with dark grey laminations to very thin shale interbedding - close to moderate spacing - slightly weathered to fresh - fractures dip at 0 to 30 degrees			0				
					1				
					2				
					3				
					4				
					5				
					6				
					7				
					8				
					9				
				10					
				11					
				12					
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				25					
				26					
				27					
				28					
				29					
				30					
				31					
				32					
10									



DEPTH (ft)	UNDRAINED SHEAR STRENGTH (kPa)	WATER CONTENT & ATTERBERG LIMITS	DYNAMIC CONE PENETRATION TEST, BLOWS/30cm	STANDARD PENETRATION TEST, BLOWS/30cm	REMAINS & GRAIN SIZE DISTRIBUTION (%)
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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29					
30					
31					
32					

- Field Vane Test, kPa
- Remoulded Vane Test, kPa
- Pocket Penetrometer Test, kPa

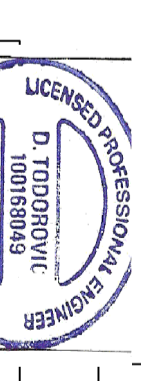
### GEOTECHNICAL NOTES:

- FOR ADDITIONAL INFORMATION SEE
1. PRELIMINARY GEOTECHNICAL FACT SHEET FOR MILE 205.31-CULVERT EXTENSION, DATED MAY 21, 2009, PREPARED BY JACQUES WHITFORD STANTEC LTD.
  2. PRELIMINARY GEOTECHNICAL REPORT PREPARED BY JACQUES WHITFORD STANTEC LTD., DATED JUNE 2009, PROJ. # 1050561.01

SENIOR STRUCTURAL ENGINEER

No.	Date	Revision	By/For
C	MAY 16, 2011	GENERAL REVISION	
A	DEC 14, 2010	GENERAL REVISION	
	JAN 15, 2010	ISSUED FOR CONSTRUCTION	
	SEPT 18, 2009	ISSUED FOR TENDER	

STONE ARCH CULVERT EXTENSION  
NEAR MOHAWK, ONTARIO  
CULVERT NORTH EXTENSION DETAILS  
SOIL INFORMATION



Drawn: DGT  
Designed: DGT  
Checked: DGT  
Scale: AS  
Date: JAN 15, 2010

Office of Chief Engineer  
Bureau de l'ingénieur en chef



File: 205.31 KINGSTON  
Drawing Number: AA840-205.31-4.02  
Scale: AS  
Date: JAN 15, 2010