APPENDIX 'A' TEST HOLES

TESTHOLE TH12

Project Name: Kenaston and Bishop Grandin Blvd. Intersection

Client: Stantec Consulting Ltd.

Drilling Contractor: Maple Leaf Drilling Ltd.

Drilling Method: 125 mm Auger Location: 5519128.0 N, 630020.3 E



Date Drilled: July 13, 2009 Depth of Testhole: 16 m Logged by: Farouk Fourar Reviewed by: Don Flatt

Elevation: N/A

		Subsurface Profile	Laboratory Testing					
Depth (m)	Symbol	Description	Torvane Readings (kPa) (Water Content (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)					
0		Ground Surface						
0-	//////	Topsoil /	16.0					
		- brown, stiff, moist, high plasticity						
2-		- trace organic material below 0.6 m	94 43					
3-		Silt - tan, soft, moist, low plasticity, trace						
4		Clay						
5		brown, stiff, moist, high plasticity0.15 m of silt at 2.4 m						
6		- grey, firm below 6.1 m - trace fine gravel below 8.5 m - trace silt till below 13.0 m						
7-			36 48 48					
8- 9-			39 45					
10-								
11-			35 54					
12-			22 48 48					
13-			2b 56					
14-								
15		Silt Till - tan, loose to compact, moist, low plasticity	15					
16-		- dense below 15.5 m						
17	4 1	 No soil sloughing was observed during or upon completion of drilling. 						
18 19 20 21		 Minor groundwater seepage was observed within the silt till layer. Ground water level at a depth of 15.4 						
19		m upon completion of drilling. • Auger refusal at 16.0 m on suspected						
20-		boulder						
21-								

TESTHOLE TH23

Project Name: Kenaston and Bishop Grandin Blvd. Intersection

Client: Stantec Consulting Ltd.

Drilling Contractor: Maple Leaf Drilling Ltd.

Drilling Method: 125 mm Auger Location: 5519127.2 N, 630164.9 E



Date Drilled: July 13, 2009
Depth of Testhole: 3 m
Logged by: Farouk Fourar
Reviewed by: Don Flatt
Ground Elevation: N/A

Subsurface Profile					Laboratory Testing				
Depth (m)	Symbol	Description	0	W a		Conte %) 60	ent 80 100		
0.0-		Ground Surface	Ħ						
0.0	~~	Topsoil		ŀ	ŀ	1	1		
-		Silt - tan, soft, moist, medium plasticity, clayey		16					
1.0-		Clay - brown, stiff, moist, high plasticity							
				A	В				
2.0-					40				
		Silt - tan, soft, moist, low plasticity Clay - brown, stiff, moist, high plasticity							
3.0-					4	5			
3.U- - -		 No soil sloughing was observed during or upon completion of drilling. No groundwater seepage was observed during or upon completion of drilling Testhole terminated at a depth of 3.0 m 							