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APPENDIX 'A' - GEOTECHNICAL REPORT

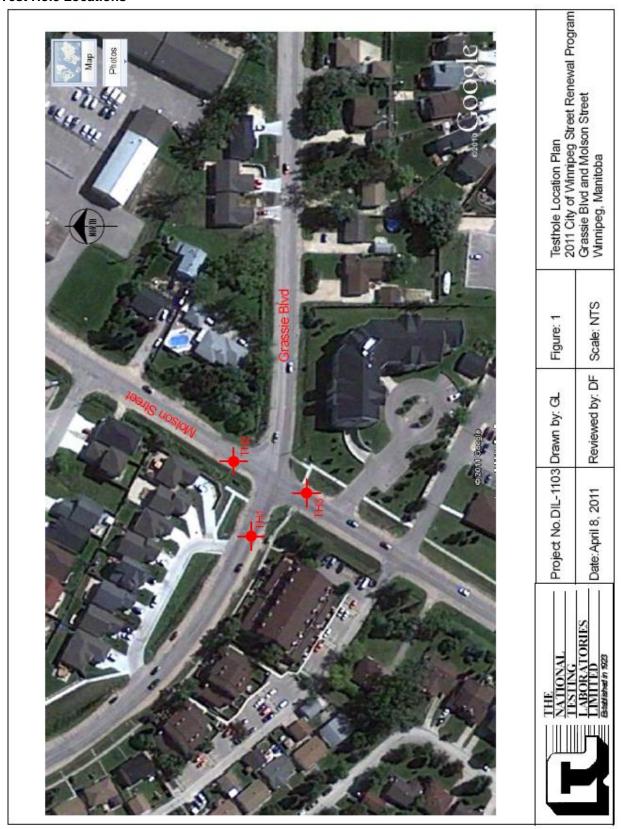
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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure and/or soil conditions may exist between test holes and fluctuations in groundwater levels can be expected seasonally and may occur as a result of construction activities. The nature and extent of variations may not become evident until construction commences.

Geotechnical Report for Molson Street and Grassie Boulevard

Test Hole Locations



Test Hole Summary

GRASSIE BLVD AND MOLSON STREET GEOTECHNICAL INVESTIGATION

		Pavemen	Pavement Surface	Pavemer	Pavement Structure				Part	Particle Size Analysis	Analys	sis	Att	Atterberg Limits	imits
Testhole ID	Testhole Location	Туре	Thickness (mm)	Туре	Thickness (mm)	Sample Description	Sample Depth (m)	Moisture Content (%)	Gravel Sand (%)	Sand (%)	Silt (%)	Clay (%)	Liquid	Plastic Limit	Liquid Plastic Plasticity Limit Limit Index
TH1	Grassie Blvd eastbound 12.8 m west of Molson St. 1.5 m from south edge of pavement	Asphalt	45	Crushed Limestone	400	Clay	9.0	30	0.5	11.5	22.1	62.9	16	56	40
TH2	Molson Street southbound 10.7 m north of Grassie Blvd. 1.7 m from west edge of pavement	Asphalt	150	Crushed Limestone	150	Clay Fill	9.0	32	1.6	8.2	21.1	69.1	25	74	49
TH3	Molson Street northbound 12.0 m south of Grassie Blvd. 1.7 m from esat edge of pavement	Asphalt	100	Crushed Limestone	170	Û	6	0	ě.	ē	e.	е	ľ.	c	Ē

Test Hole Log for TH 1

TESTHOLE TH1

Project Name: Grassie Blvd and Molson Street

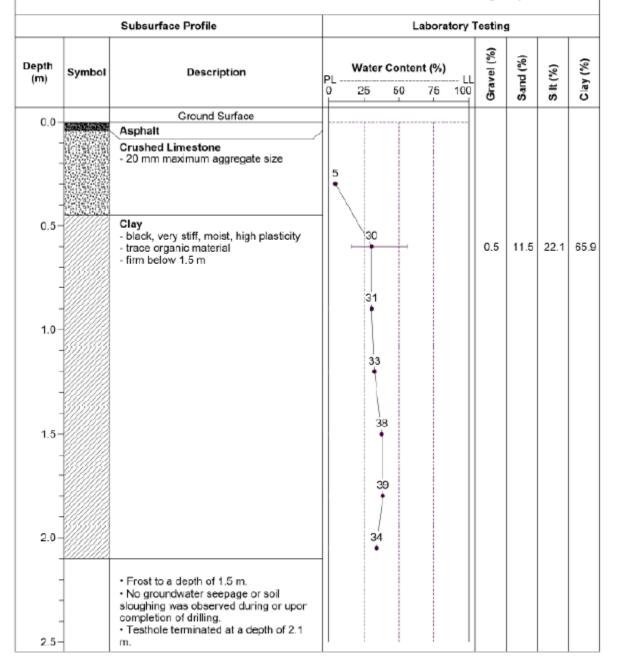
Client: Dillon Consulting Ltd.

Drilling Contractor: Active Drilling & Piling

Testhole Location: Grassie Blvd eastbound, 12.8 m west of Molson St., 1.5 m from south edge of pavement



Date Drilled: March 24, 2011 Depth of Testhole: 2.1 m Logged by: Larry Presado



Test Hole Log for TH 2

TESTHOLE TH2

T INTERNAL INSTRUMENTAL INSTRUM

Date Drilled: March 24, 2011

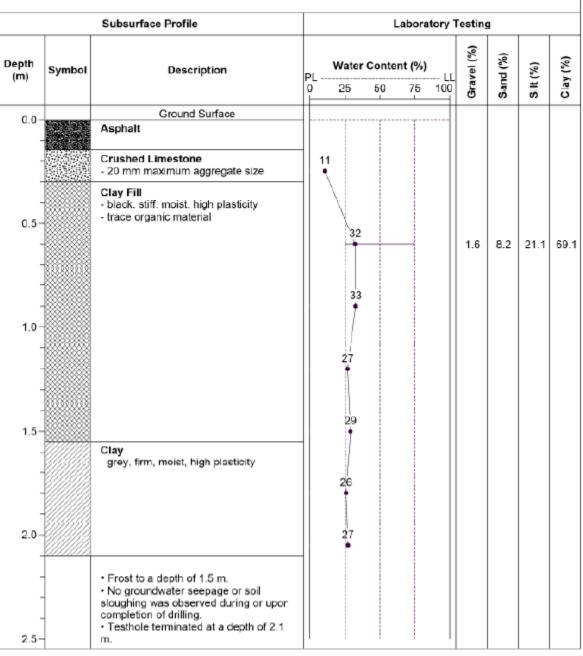
Project Name: Grassie Blvd and Molson Street

Client: Dillon Consulting Ltd.

Drilling Contractor: Active Drilling & Piling

ing Ltd. Depth of Testhole: 2.1 m ctive Drilling & Piling Logged by: Larry Presado

Testhole Location: Moison Street southbound, 10.7 m north of Grassie Blvd., 1.7 m from west edge of pavement



Test Hole Log for TH 3

TESTHOLE TH3

T SHERMAL TESTING LABORATORIES LABORATORIES

Date Drilled: March 24, 2011

Project Name: Grassie Blvd and Molson Street Client: Dillon Consulting Ltd.

Client: Dillon Consulting Ltd. Depth of Testhole: 2.1 m
Drilling Contractor: Active Drilling & Piling Logged by: Larry Presado

Testhole Location: Moison Street northbound, 12.0 m south of Grassie Blvd., 1.7 m from east edge of pavement

		Subsurface Profile	Laboratory Testing
Depth (m)	Symbol	Description	Water Content (%) 0 20 40 60 80 100
0.0		Ground Surface	
0.0		Asphalt	
		Crushed Limestone	\dashv \mid \mid \mid \mid \mid \mid
		- 20 mm maximum aggregate size	11
		Clay Fill	
	T	black, stiff, moist, high plasticity trace organic material	
0.5-		11000 organic motorial	
			32
			33
1.0-			
-	-		
			27
-	1		29

1.5-	- XXXXXXX	**	- ! !
		Clay - grey, firm, moist, high plasticity	
		- gray, initi, moist, night plasticity	
-			26
-			•
	8888888		
2.0-			27
-	VIIIIII		\dashv \mid \mid \mid \mid \mid \mid
		Frost to a depth of 1.5 m.	
		 No groundwater seepage or soil sloughing was observed during or 	
		upon completion of drilling. Testhole terminated at a depth of 2.1 m.	
-	1	- resulting terminated at a depth of 2.1 m.	
2.5-	1 1		

Pavement Core Photos



Core sample from Testhole TH1



Core sample from Testhole TH2



Core sample from Testhole TH3