

APPENDIX 'A' - GEOTECHNICAL REPORT

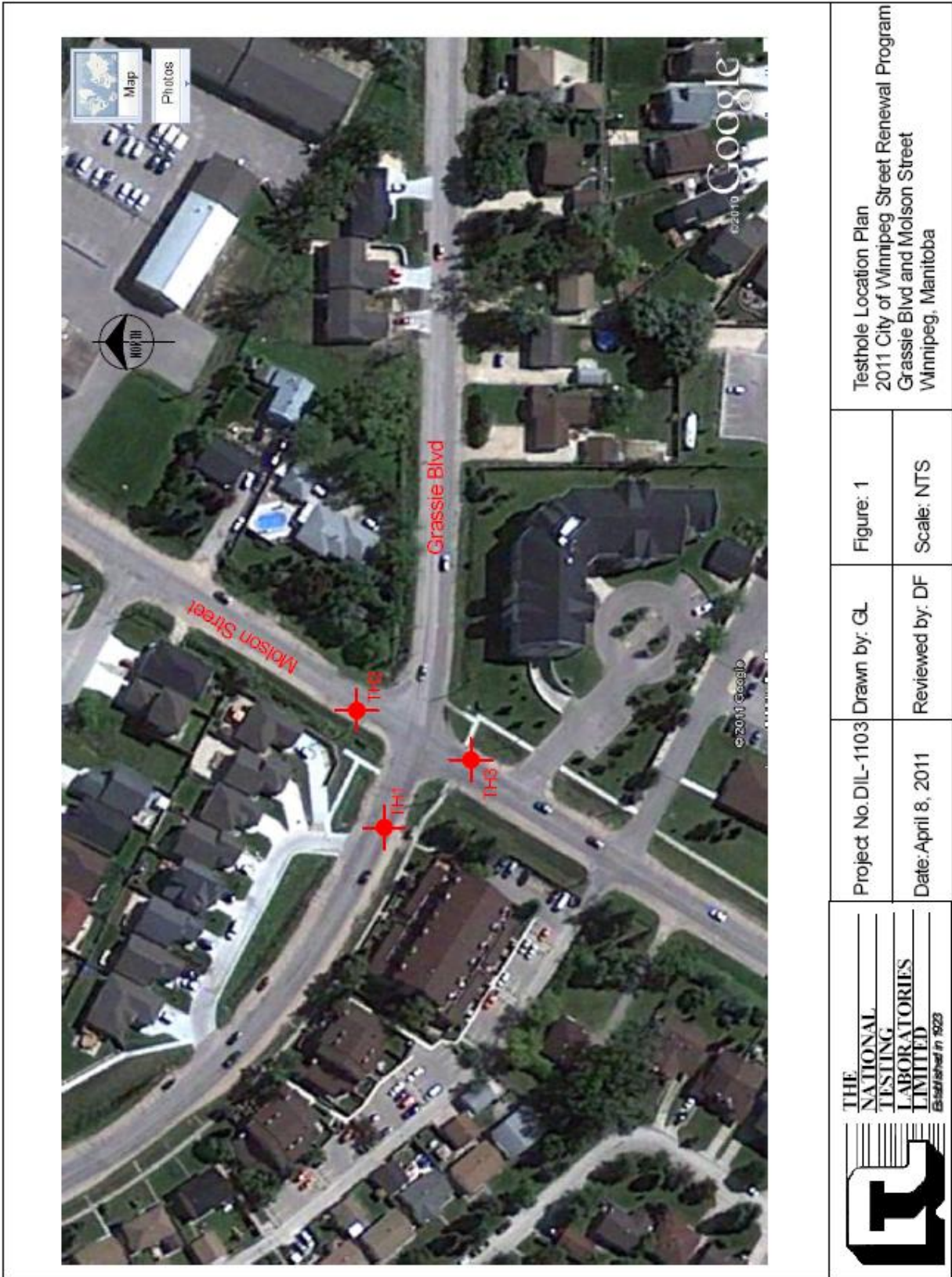
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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. 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.

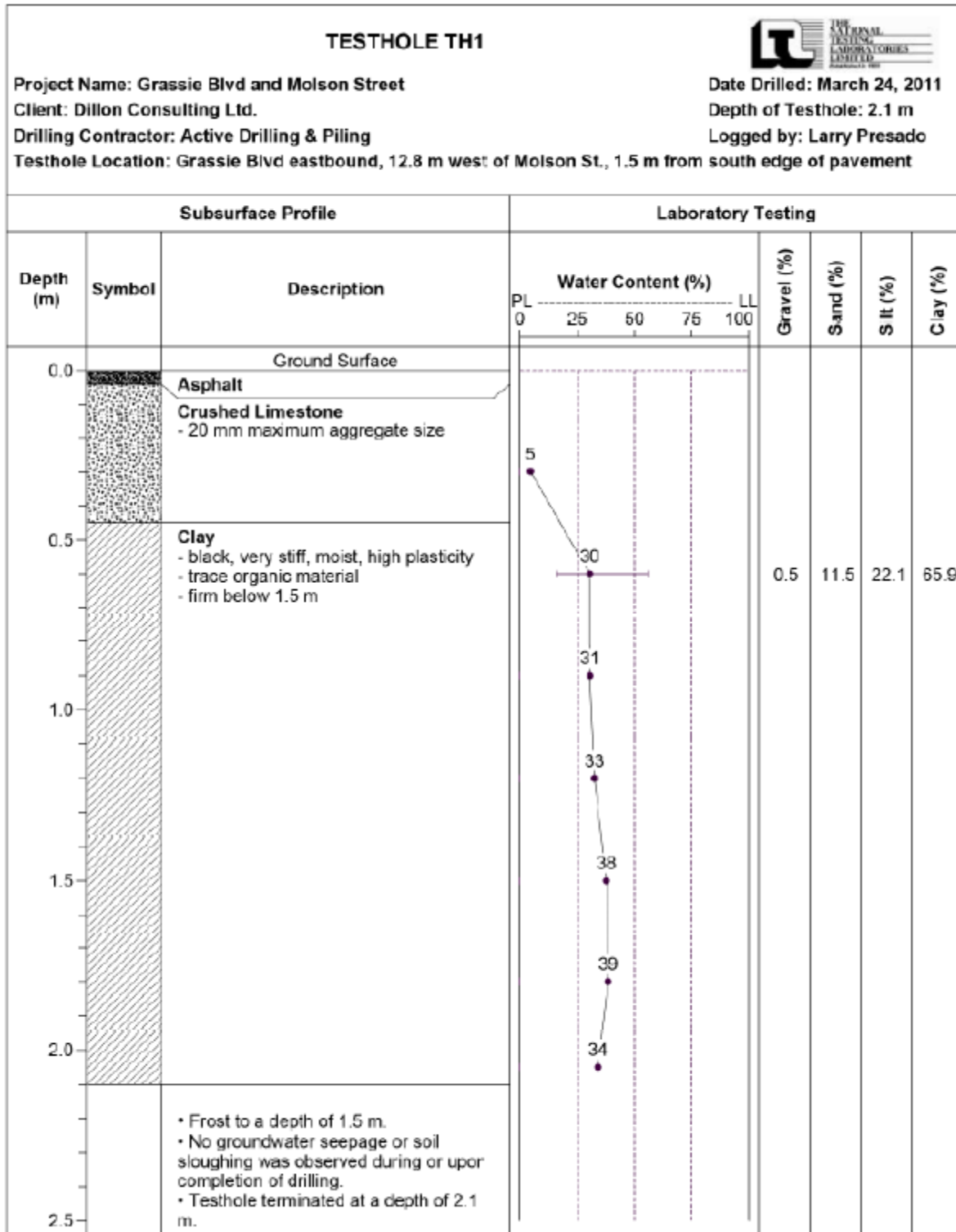
Geotechnical Report for Molson Street and Grassie Boulevard

Test Hole Locations

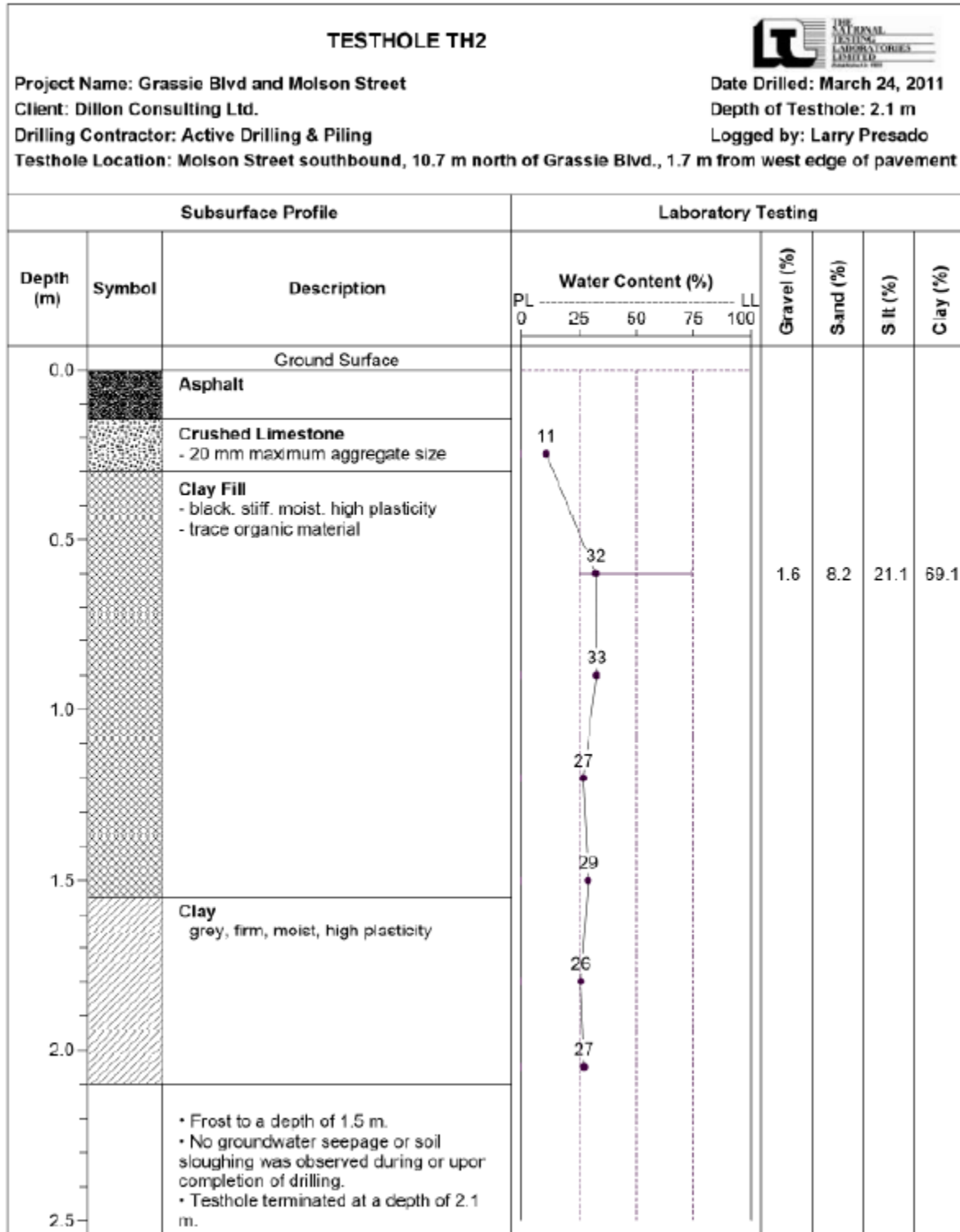


		Project No. DIL-1103	Drawn by: GL	Figure: 1	Testhole Location Plan 2011 City of Winnipeg Street Renewal Program Grassie Blvd and Molson Street Winnipeg, Manitoba
		Date: April 8, 2011	Reviewed by: DF	Scale: NTS	


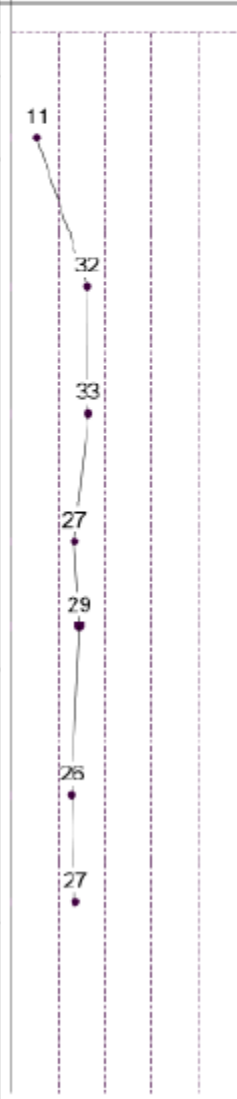






Test Hole Log for TH 1



Test Hole Log for TH 2



Test Hole Log for TH 3

TESTHOLE TH3				
Project Name: Grassie Blvd and Molson Street Client: Dillon Consulting Ltd. Drilling Contractor: Active Drilling & Piling Testhole Location: Molson Street northbound, 12.0 m south of Grassie Blvd., 1.7 m from east edge of pavement			Date Drilled: March 24, 2011 Depth of Testhole: 2.1 m Logged by: Larry Presado	
Subsurface Profile			Laboratory Testing	
Depth (m)	Symbol	Description	Water Content (%)	
			0	20 40 60 80 100
0.0		Ground Surface		
		Asphalt		
		Crushed Limestone - 20 mm maximum aggregate size		
0.5		Clay Fill - black, stiff, moist, high plasticity - trace organic material		
1.0		Clay - grey, firm, moist, high plasticity		
1.5		Clay - grey, firm, moist, high plasticity		
2.0		Clay - grey, firm, moist, high plasticity		
2.5		<ul style="list-style-type: none"> • 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. 		

Pavement Core Photos



Core sample from Testhole TH1



Core sample from Testhole TH2



Core sample from Testhole TH3