APPENDIX 'A' GEOTECHNICAL REPORT

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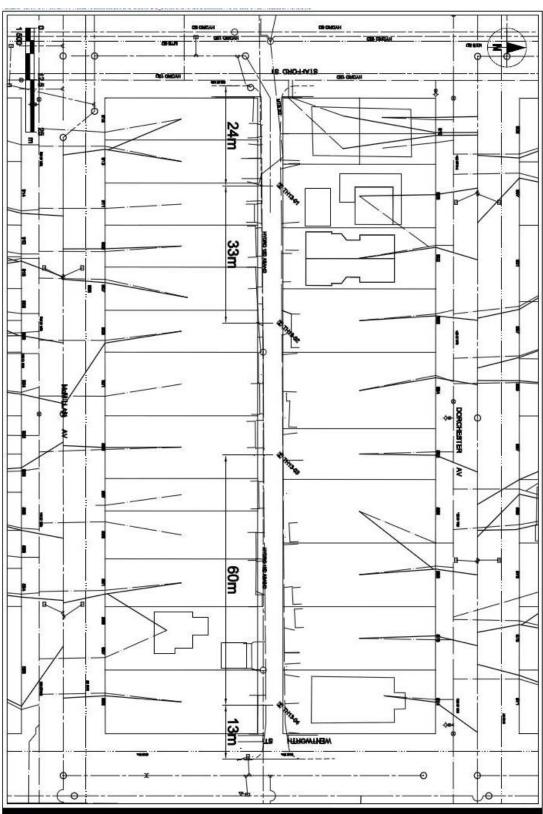
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The geotechnical report is provided to aid in the Contractor's evaluation of the soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure 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 Alley Renewal

Test Hole Locations



Alley Renewal
Lane Bounded by Stafford/Wentworth/McMillan/Dorchester
City of Winnipeg

Test Hole Locations

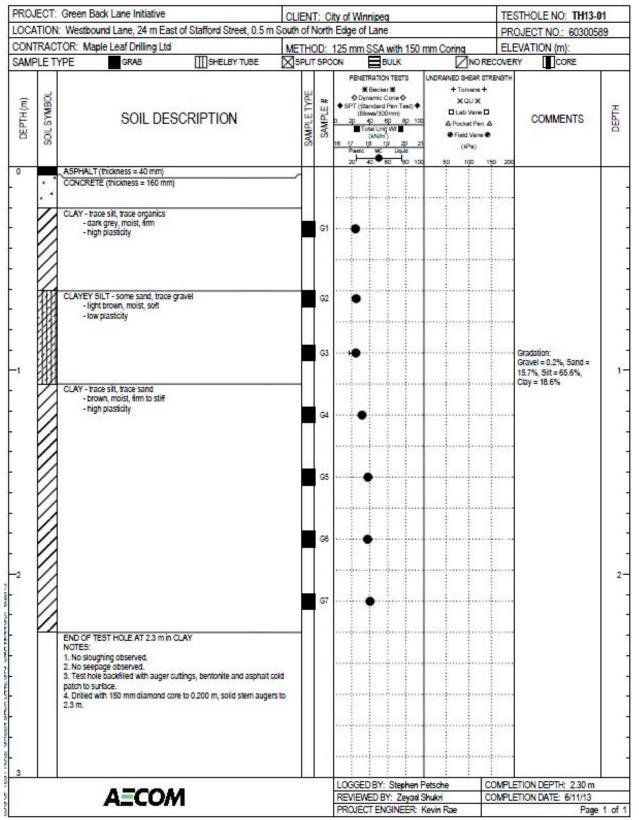


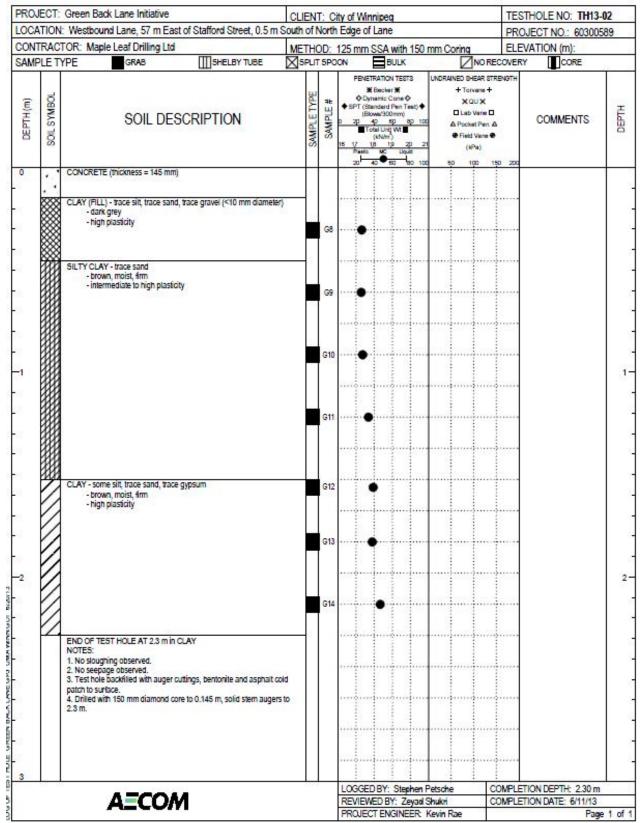
Summary of Core Samples

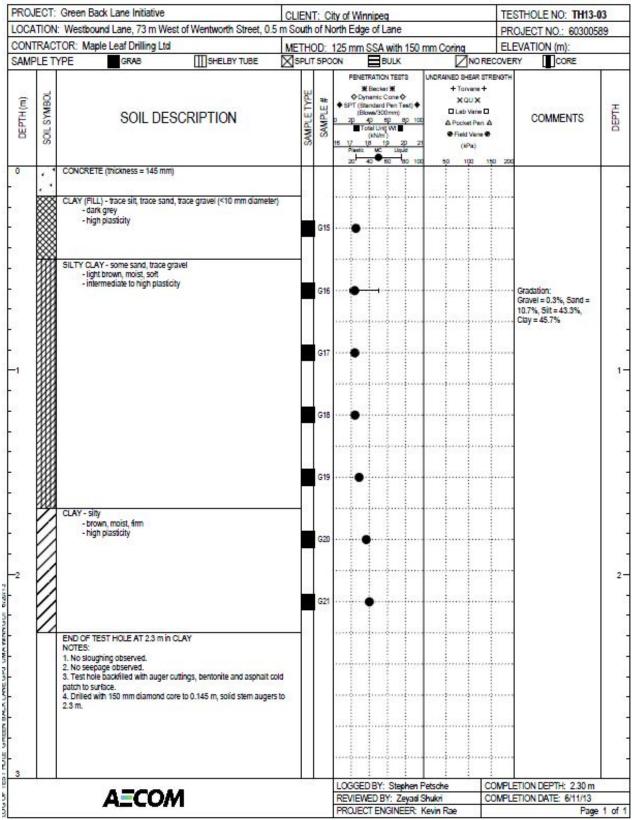
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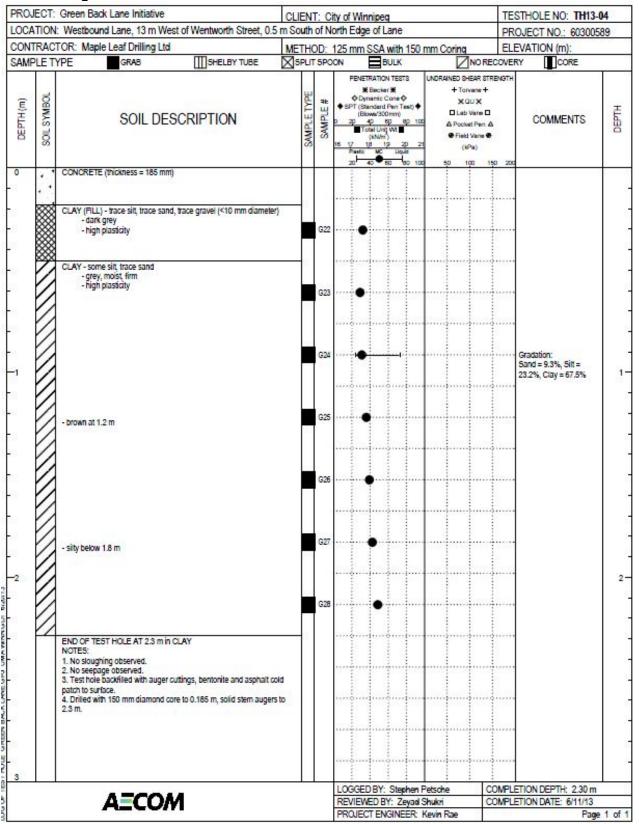
City of Winnipeg Green Back Lane Initiative Geotechnical Investigation

Test Hole No.	Test Hole Location	Pavement Surface		Pavement Structure Material		Subgrade		Moisture		Hydrometer Analysis			Atterberg Limits		
		Type	Thickness (mm)	Туре	Thickness (mm)	Description	Depth (m)	Content (%)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index
TH13-01	Westbound Lane, 24 m East of Stafford Street, 0.5 m South of North Edge of Lane	Asphalt	3	None	n/a	Clay	0.3	24.1							
			40			Clayey Silt	0.6	24.8							
						Clayey Silt	0.9	24.5	0.2	15.7	65.6	18.6	28.3	16.6	11.7
		Concrete	160			Clay	1.2	31.4			6				
						Clay	1.5	37.9			,		,		
						Clay	1.8	37.5			γ.		ř.		
						Clay	2.1	40.2	ş.						
	Westbound Lane, 57 m East of Stafford Street, 0.5 m South of North Edge of Lane	Concrete		None	n/a	Clay Fill	0.3	26.1							
						Silty Clay	0.6	25.5							
						Silty Clay	0.9	27.1	-						1
TH13-02			145			Silty Clay	1.2	33.5							
			250000			Clay	1.5	38.7		1					1
						Clay	1.8	37.7			ý				1
						Clay	2.1	46.5	3						
TH13-03	Westbound Lane, 73 m West of Wentworth Street, 0.5 m South of North Edge of Lane	Concrete	1	None	n/a	Clay Fill	0.3	24.9		_					
			145			Silty Clay	0.6	23.6	0.3	10.7	43.3	45.7	50.7	18.5	32.2
						Silty Clay	0.9	23.8							
						Silty Clay	1.2	24.0							
						Silty Clay	1.5	28.5		1					1
						Clav	1.8	36.4	-						
						Clay	2.1	39.9	1						
TH13-04	Westbound Lane, 13 m West of Wentworth Street, 0.5 m South of North Edge of Lane	Concrete	185	None	n/a	Clay Fill	0.3	31.9		1					
						Clay	0.6	28.8			7.		7		-
						Clay	0.9	30.8	0.0	9.3	23.2	67.5	72.6	24.0	48.6
						Clay	1.2	35.7							
						Clay	1.5	39.1							1
						Clay	1.8	42.4			è				
						Clay	2.1	48.4							1









Pavement Core Photos



Photograph 1. TH13-01



Photograph 2. TH13-02



Photograph 3. TH13-03



Photograph 4. TH13-04