

APPENDIX 'G'

GEOTECHNICAL REPORT

APPENDIX 'G' - GEOTECHNICAL REPORT

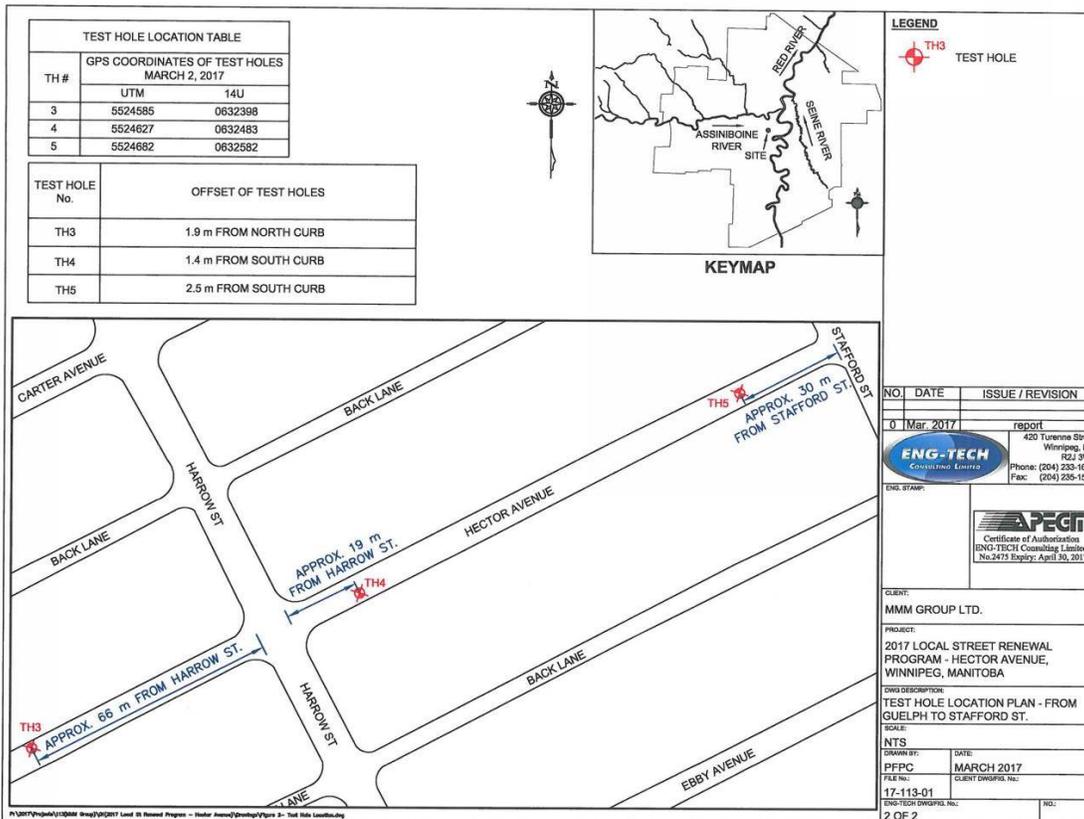
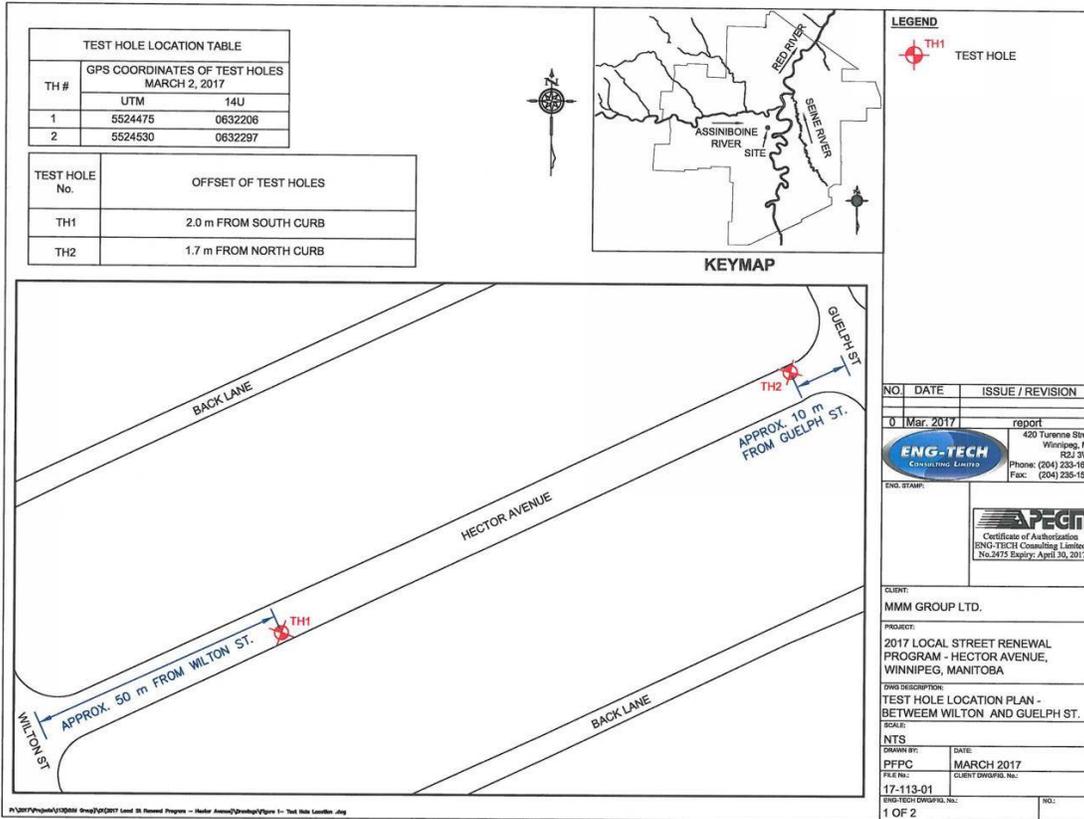
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The geotechnical report is provided to aid in the Contractor's evaluation of the soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in soil conditions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

Test Hole Locations

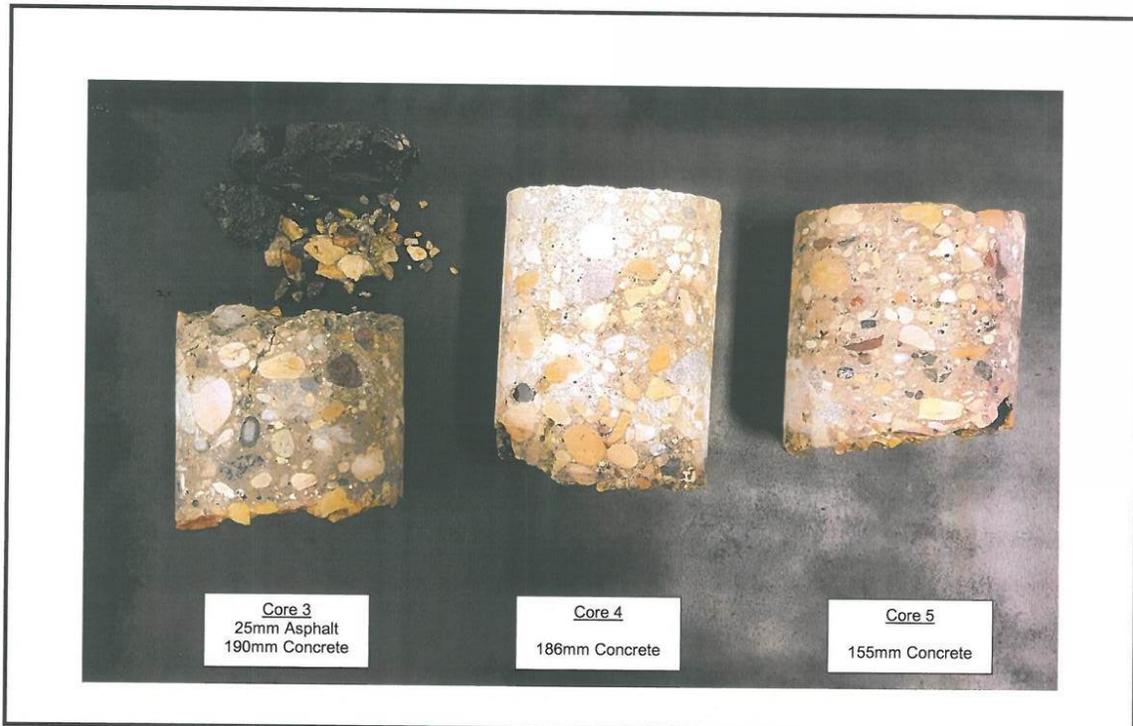
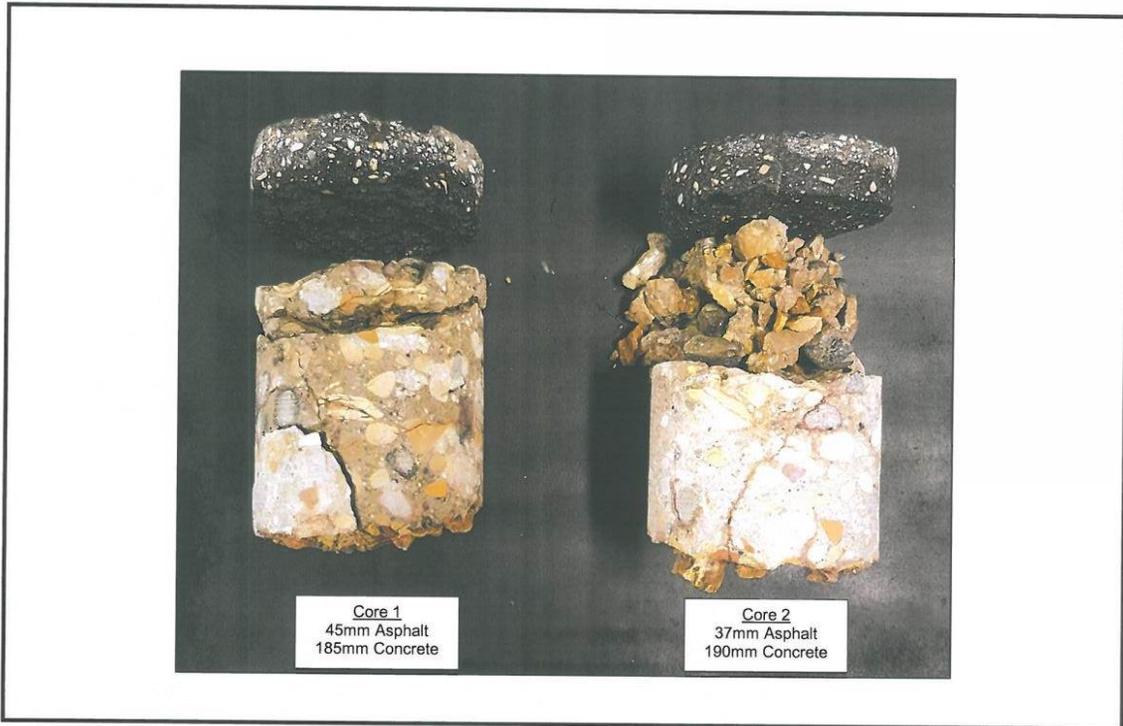


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Test Hole Number	Test Hole Location	Pavement Surface		Pavement Structure Material		Subgrade Description	Sample Depth (m)	Moisture Content (%)	Hydrometer Analysis				Atterberg Limits			
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index	
5	Hector Avenue	Asphalt	0	Granular Fill (20 to 50 mm)	152	Silt	0.1	33.8								
							0.4	32.4								
							0.7	25.7	0.0	1.8	80.0	18.2	32	18	14	
		1.0	19.7													
		1.3	22.8													
		Clay	1.6				38.0									
			1.9				40.8									
		Concrete	155													

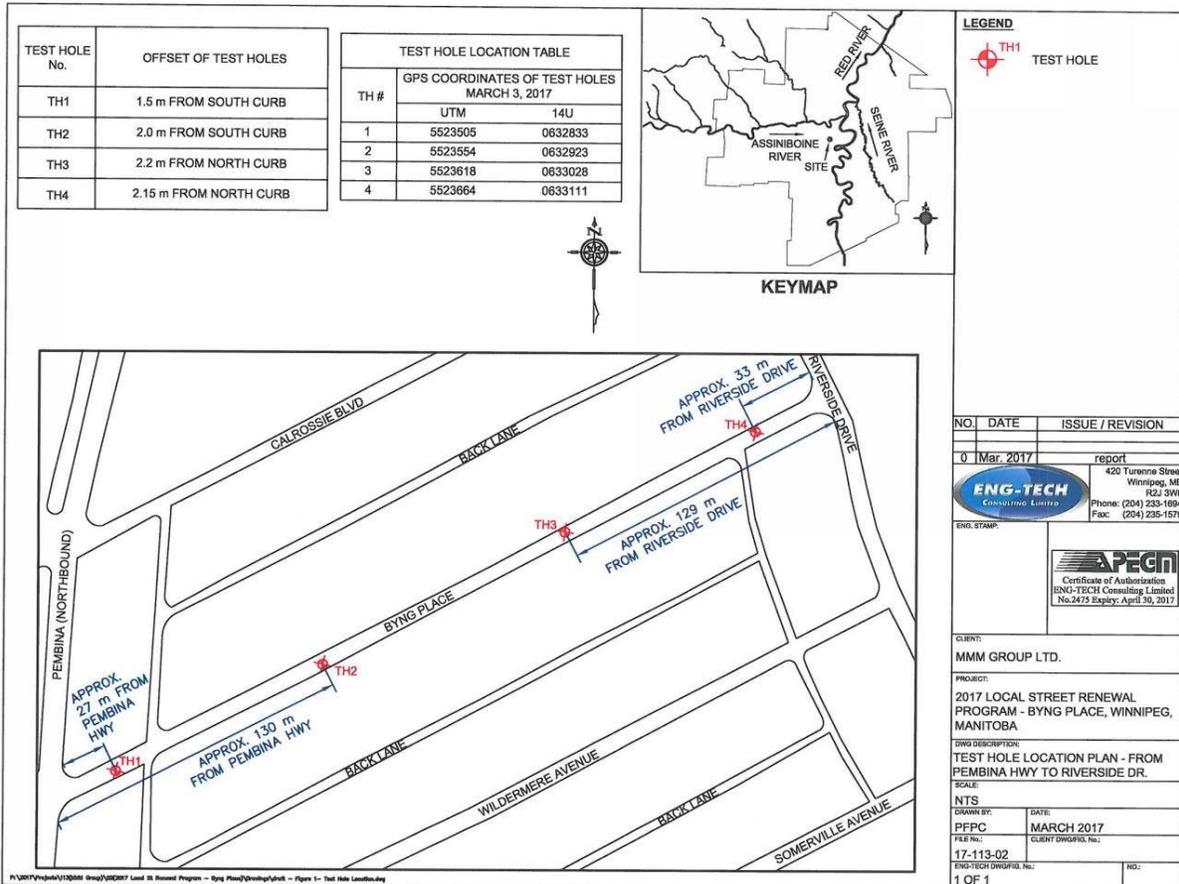
- Note: No water seepage was encountered in the test holes.

Pavement Core Photos



Geotechnical Report for Byng Place

Test Hole Locations



Summary of Core Samples



420 Turenne Street, Winnipeg, Manitoba R2J 3W8
 Phone: (204) 233-1694 Fax: (204) 235-1579
 Email: engtech@mymts.net
 www.eng-tech.ca

Table 1
Summary of Pavement Structure

File No.: 17-113-02

Byng Place: From Pembina Highway to Riverside Drive

Page 1

Test Hole Number	Test Hole Location	Pavement Surface		Pavement Structure Material		Subgrade Description	Sample Depth (m)	Moisture Content (%)	Hydrometer Analysis				Atterberg Limits				
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index		
1	Byng Place	Asphalt	51	Granular Fill (20 to 50 mm)	305	Granular Fill	0.1	10.9									
							Clay	0.4	28.9								
								0.7	27.9								
								1.0	30.9	0.0	1.9	27.7	70.4	79	19	60	
		1.3	30.8														
		Silt	1.6				22.9										
1.9	24.8																
2	Byng Place	Asphalt	53	Granular Fill (20 to 50 mm)	203	Granular Fill	0.1	9.4									
							Silty Clay	0.4	31.0								
								0.7	28.9	0.0	4.0	32.2	63.8	79	20	59	
								1.0	28.0								
		1.3	26.9														
		Silt	1.6				24.3										
1.9	22.8																

Test Hole Number	Test Hole Location	Pavement Surface		Pavement Structure Material		Subgrade Description	Sample Depth (m)	Moisture Content (%)	Hydrometer Analysis				Atterberg Limits				
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index		
3	Byng Place	Asphalt	40	Granular Fill (20 to 50 mm)	203	Granular Fill	0.1	7.3									
							Silty Clay	0.4	28.6								
								0.7	33.1	0.0	3.2	44.4	52.4	61	15	46	
								1.0	26.0								
		1.3	26.3														
		Clay	1.6				34.0										
1.9	40.6																
4	Byng Place	Asphalt	48	Granular Fill (20 to 50 mm)	305	Granular Fill	0.1	6.5									
							Silty Clay	0.4	19.7								
								0.7	32.3	0.0	1.8	37.7	60.5	65	16	49	
								1.0	33.5								
		1.3	37.6														
		Clay	1.6				39.2										
1.9	40.2																

- Note: No water seepage was encountered in the test holes.

Pavement Core Photos

