

APPENDIX 'A' - GEOTECHNICAL REPORT

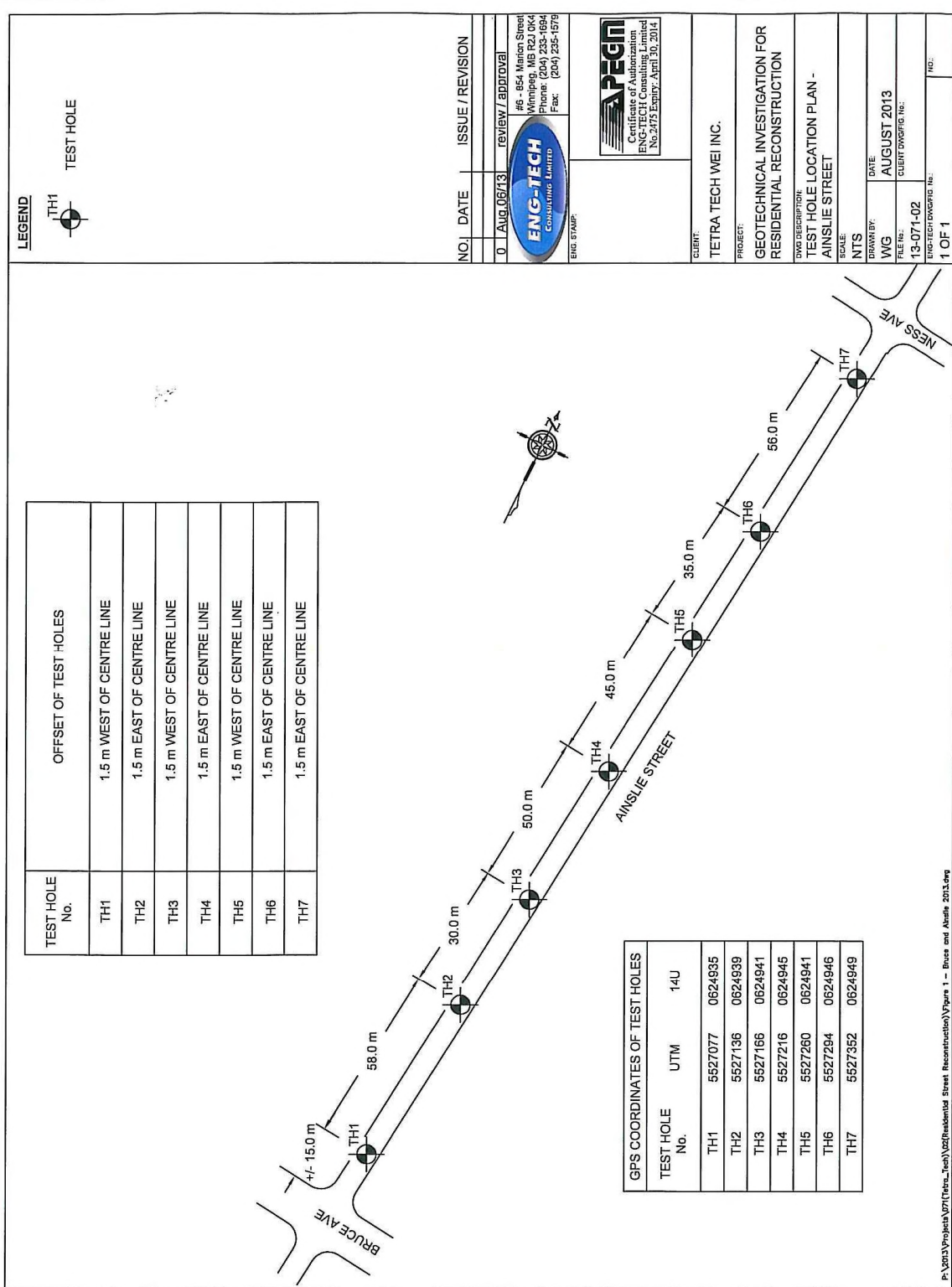
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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling.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

Test Hole Locations



P:\2013\Projects\737(Tetra_Tech)\GIS\residential Street Reconstruction\Figures\Figure 1 - Bruce and Ainslie 2013.dwg

Summary of Core Samples

File No.: 13-071-02

Table 1
 Summary of Pavement Structure
 Geotechnical Investigation for Residential Street Reconstruction

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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	
1	Ainslie Street	Asphalt Concrete	50 150	-	-	Clay (Fill)	0.1	40.0								
							0.4	38.8								
							0.7	36.7								
							1.0	23.8	2.6	20.7	39.4	37.3	35	14	21	
							1.3	18.4								
							1.6	25.9								
2	Ainslie Street	Asphalt Concrete	25 175	-	-	Clay (Fill)	1.9	31.4								
							0.1	33.1								
							0.4	35.2								
							0.7	28.2	1.5	19.8	26.5	52.1	54	18	36	
							1.0	35.2								
							1.3	38.8								
	1.6	40.5														
	1.9	40.1														



Table 1
Summary of Pavement Structure
Geotechnical Investigation for Residential Street Reconstruction
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File No.: 13-071-02

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	Ainslie Street	Asphalt Concrete	50 200	-	-	Clay (Fill)	0.1	38.4									
							0.4	22.3									
							0.7	20.3									
							1.0	18.2									
							1.3	23.1									
							1.6	27.5									
4	Ainslie Street	Asphalt Concrete	50 175	-	-	Clay (Fill)	0.1	20.6									
							0.4	28.3									
							0.7	30.0	2.2	15.8	27.3	54.7	58	19	39		
							1.0	26.6									
							1.3	30.1									
							1.6	39.6									
							1.9	40.0									



File No.: 13-071-02

**Table 1
 Summary of Pavement Structure**

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	Ainslie Street	Asphalt Concrete	50 125	-	-	Clay (Fill)	0.1	29.1										
							0.4	25.3										
							0.7	26.7										
							1.0	22.5										
							1.3	28.4										
							1.6	27.7										
6	Ainslie Street	Asphalt Concrete	63 188	-	-	Silty Clay (Fill)	0.1	31.9										
							0.4	27.9										
							0.7	27.1										
							1.0	26.0										
							1.3	27.6										
							1.6	27.0										
							1.9	34.1										



Table 1
Summary of Pavement Structure
Geotechnical Investigation for Residential Street Reconstruction

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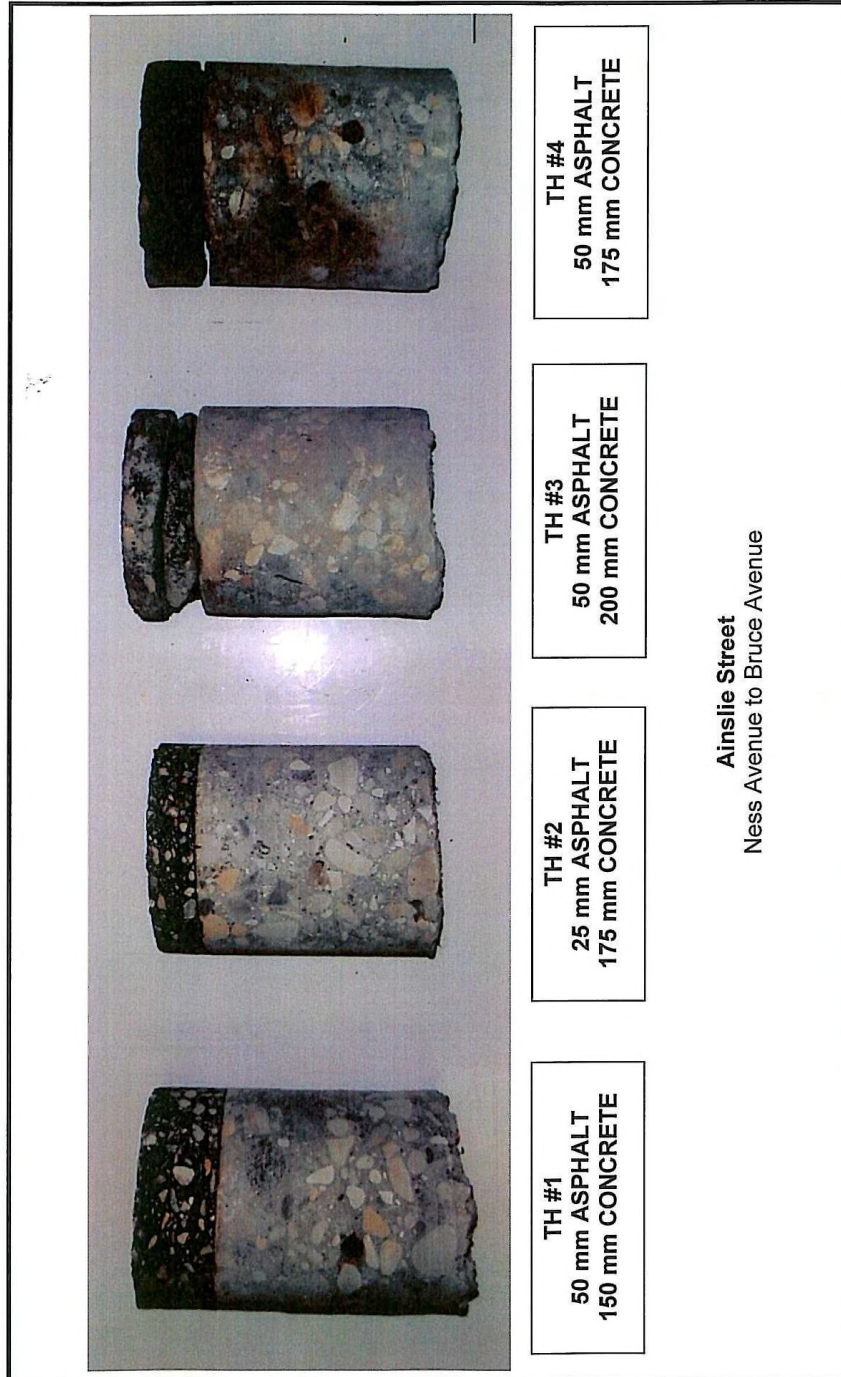
Test Hole Number	Test Hole Location	Pavement Surface		Pavement Structure Material		Subgrade Description	Sample Depth (m)	Moisture Content (%)	Hydrometer Analysis				Atterberg Limits						
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index				
7	Ainslie Street	Asphalt Concrete	38 138	-	-	Silty Clay (Fill)	0.1	26.1											
							0.4	28.1											
							0.7	20.5											
							1.0	28.0											
							1.3	30.5											
							1.6	29.1											
						Clay (Fill)	1.9	28.4											
							2.2	33.2											



Pavement Core Photos

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GEOTECHNICAL INVESTIGATION FOR RESIDENTIAL RECONSTRUCTION



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