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APPENDIX 'A' - GEOTECHNICAL REPORT

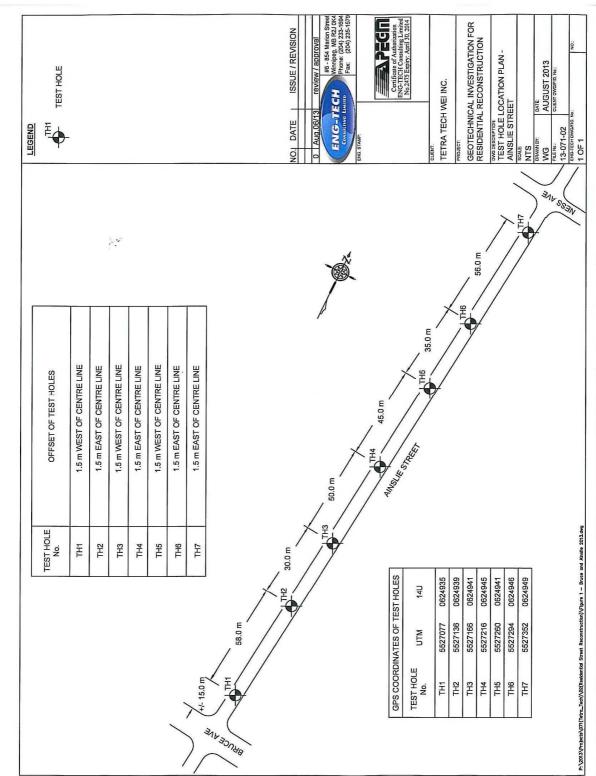
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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling.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

Test Hole Locations



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Summary of Core Samples

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1

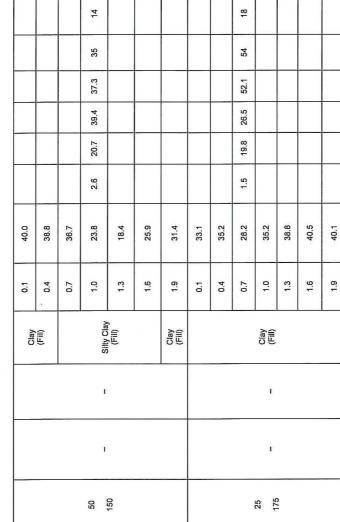
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-0	Paveme	Pavement Surface	Pavement Structure Material	cture Material	Subgrade	Sample	Moisture	Ť	Hydrometer Analysis	Analysis			Atterberg Limits	nits
I est noie Location	Туре	Thickness (mm)	Туре	Thickness (mm)	Description Depth (m)	Depth (m)	Content (%	6) Gravel': Sand Silt Clay Liquic (%) (%) (%) Limit	Sand (%)	Silt (%)	Clay (%)	_	Plastic Limit	Plasticity Index
					č	0.1	40.0							

Test Hole Number

Geotechnical Investigation for Residential Street Reconstruction

Table 1 Summary of Pavement Structure



Concrete

Ainslie Street

Asphalt

21

36

Asphalt Concrete

Ainslie Street

7



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Atterberg Limits

Hydrometer Analysis

Moisture Content (%)

Sample Depth (m)

Pavement Structure Material

Pavement Surface

Test Hole Location

Test Hole Number

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Table 1 Summary of Pavement Structure

Geotechnical Investigation for Residential Street Reconstruction

First Hole Location Type																	
Type Type Type Type Thickness Thickness Type Thickness Thicknes	00000	Plasticity Index										39					
Title Location Type Thickness Thickness Thickness Thickness Description (mm) Collant (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)		Plastic Limit										19					
Ainsile Street Asphalt Aspha		Liquid										58					
Ainsile Street Concrete Total Street Concrete Tash Hole Location Type Thickness Concrete Total Street Total Street Concrete Total Street Total Stree		Clay (%)										54.7					
Ainsile Street Acher Location Asphalt So Asphalt Street Concrete Concrete T75 Asphalt So Asphalt		Silt (%)										27.3					
Ainsile Street Asphalt 50 Asphalt 60 Asphalt 60 Asphalt 60 Asphalt 60 Asphalt 70 Asp		Sand (%)										15.8					
Ainsile Street Asphalt 50 Ansile Street Concrete Concrete 1755 Asphalt 50 Asphalt 60 Asp		Gravel (%)										2.2					
Ainslie Street Concrete Concrete Thickness Type Thickness Description (Fill) Asphalt 50 Clay (Fill) Asphalt 50 Clay (Fill) Asphalt 50 Clay (Fill)	Moisture	Content (%)	38.4	22.3	20.3	18.2	23.1	27.5	25.5	20.6	28.3	30.0	26.6	30.1	39.6	40.0	
Ainslie Street Concrete Concrete T75 T75 T79e T7hickness T79e	Sample	Depth (m)	0.1	. 0.4	2.0	1.0	1.3	1.6	1.9	0.1	0.4	2.0	1.0	1.3	1.6	1.9	
Ainslie Street Ainslie Street Concrete Concrete Concrete Concrete Concrete Concrete Concrete Type (mm) Type (mm) Type (mm) Type (mm) Type Concrete Concrete Concrete Type (mm) Type (mm) Type (mm) Type	Subdrade	Description	Clay (Fill) Silty Clay (Fill) Clay							Clay (Fill)							
Ainslie Street Concrete Concrete Street Concrete Concrete T7550 Asphalt 50 Asphalt 50 Asphalt 50 Asphalt 50 Concrete 175		Thickness (mm)				Ĺ				ī							
Asphalt Concrete Asphalt Concrete Concrete Concrete		Туре				I				t							
Ainslie Street Ainslie Street		Thickness (mm)				200	004			50							
Number Test Hole Location - Ainslie Street		Туре			3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Asphalt			40000	Asphalt Concrete							
Number 1	Took Hale I seeking	lest noie Location				Ainslie Street							Ainslie Street				
	est Hole	Number				ဇ							4				



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Table 1 Summary of Pavement Structure

(mm) Type (mm) 50 - 125		(mm)	Describiton	Ceptin (m)			200	200000000000000000000000000000000000000	ŀ		Arter Derg Liffilis	2
50 125					Content (78)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid	Plastic Limit	Plasticity Index
50												
50 125				0.1	29.1							
50 125			Clay	0.4	25.3							
125			(Fill)	2.0	26.7							
]	3			1.0	22.5							
			Silty Clay (Fill)	1.3	28.4							
			Clay	1.6	27.7							
			(Fill)	1.9	31.4							
			Silty Clay	0.1	31.9							
			(Fill)	0.4	27.9							
4 trivial				0.7	27.1					10.50		
	1	1		1.0	26.0							
			Clay (Fill)	1.3	27.6							
				1.6	27.0							
				1.9	34.1							



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Table 1 Summary of Pavement Structure

Geotechnical Investigation for Residential Street Reconstruction

Test Hole Location

Test Hole Number

	I	1		T		1	Г	_		_
nits	Plasticity Index									
Atterberg Limits	Plastic Limit									
1	Liquid									
10	Clay (%)									
Analysis	Silt (%)									
Hydrometer Analysis	Sand (%)		10000							
H	Gravel' S (%) (
Moisture	Content (%)		26.1	28.1	20.5	28.0	30.5	29.1	28.4	33.2
Sample	Depth (m)		0.1	. 0.4	2.0	1.0	1.3	1.6	1.9	2.2
Subgrade	Description		Silty Clay	(Fill)			Clay	(FIII)		
ture Material	Thickness (mm)			·			1			
Pavement Structure Material	Туре						1			
Pavement Surface	Thickness (mm)					38	138			
Pavemen	Type					Asphalt	Concrete			

Ainslie Street



Pavement Core Photos

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Tetra Tech WEI Inc. GEOTECHNICAL INVESTIGATION FOR RESIDENTIAL RECONSTRUCTION.



TH #3 50 mm ASPHALT 200 mm CONCRETE

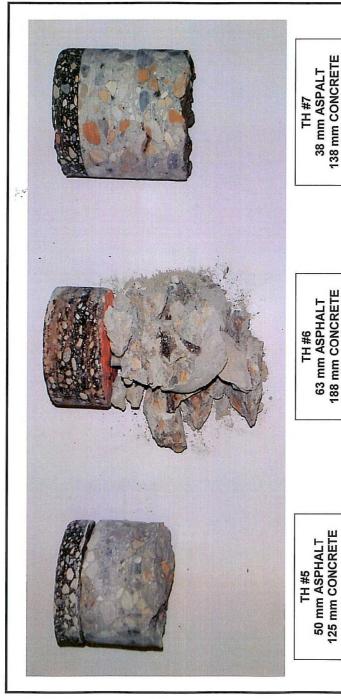
Ainslie Street Ness Avenue to Bruce Avenue



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Tetra Tech WEI Inc. GEOTECHNICAL INVESTIGATION FOR RESIDENTIAL RECONSTRUCTION



TH #7 38 mm ASPALT 138 mm CONCRETE

63 mm ASPHALT 188 mm CONCRETE

Ainslie Street Ness Avenue to Bruce Avenue



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