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## APPENDIX 'A' GEOTECHNICAL REPORT

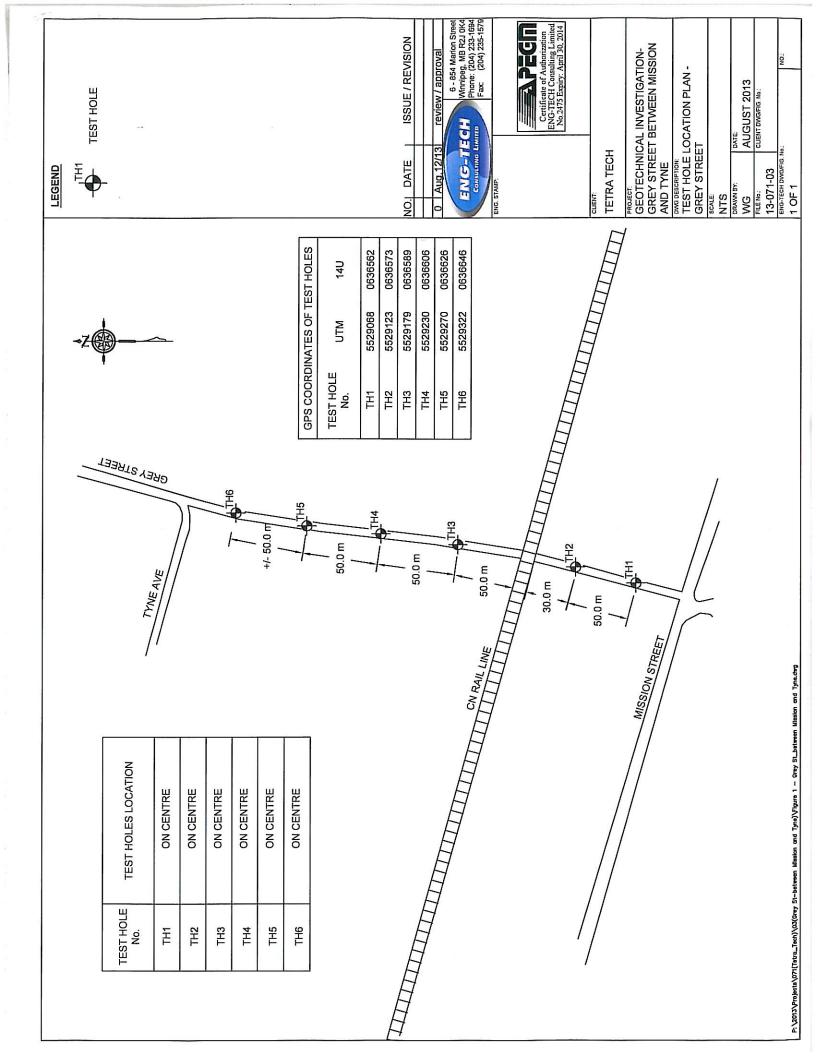
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## **APPENDIX 'A' - GEOTECHNICAL REPORT**

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Test Hole Locations	1
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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.



File No.: 13-071-03

Table 1 Summary of Pavement Structure

-				1		ı —	ι —	г		I	Г			Г		ı —	T		
Page 1 of 3	lits	Plasticity Index											31						
Pag	Atterberg Limits	Plastic Limit											17						
	¥	Liquid Limit											48						
	3040	Clay (%)						C					56.9						
	Analysis	Silt (%)											16.5						
ЭС	Hydrometer Analysis	Sand (%)		a est									26.0						
and Tyı	Hyd	Gravel (%)											9.0						
Geotechnical Investigation – Grey Street between Mission and Tyne	Moisture Content (%)		8.3	23.9	13.6	14.6	29.1	48.6	51.2	8.6	24.8	31.9	41.2	43.2	43.6	50.5			
	Sample Depth (m)		0.1	0.4	2.0	1.0	1.3	1.6	1.9	0.1	6.4	2.0	1.0	1.3	1.6	1.9			
	Subgrade Description						Clay			Clay (Fill)									
estigation	ture Material	Thickness (mm)					1							1					
Geotechnical Inve	Pavement Structure Material	Туре					1			Ī									
	t Surface	Thickness (mm)					88			83									
	Pavement Surface	Туре					Asphalt				Asphalt								
	Total Laboration	Test Hole Location –								Grey Street									
	Test Hole	Number					-						и						



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Table 1 Summary of Pavement Structure

# Geotechnical Investigation - Grey Street between Mission and Tyne

Page 2 of 3

1									124				_								
	mits	Plasticity Index												g. G.							
,	Atterberg Limits	Plastic Limit												A. A.							
	1	Liquid	(											g. G.							
		Clay (%)												8.9							
	Analysis	Silt (%)												26.8							
	Hydrometer Analysis	Sand (%)												61.4							
•	Hydı Gravel (%)													2.8							
	Moisture Content (%)			12.2	29.5	28.6	28.0	38.5	41.7	42.4	12.0	35.0	44.3	44.8	47.7	38.1	41.0				
	Sample	Depth (m)		0.1	0.4	0.7	1.0	1.3	1.6	1.9	0.1	0.4	0.7	1.0	1.3	1.6	1.9				
•	Subgrade	Description			Clay (Fill)								Clay (Fill) Sand (Fill) Clay (Fill)								
)	ture Material	Thickness (mm)					1				1										
	Pavement Structure Material	Туре			I								1								
	Pavement Surface	Thickness (mm)					84				62										
	Pavemen	Туре	0.000		Asphalt							Asphalt									
	Teet Hole Location	ופאר נוסופ בסכפווסוו		Grey Street										Grey Street							
	Test Hole	Number	e e							4											



N.P. = Non-Plastic.
 For Test Hole Number 4, water was observed at 0.6 m below the grade.

File No.: 13-071-03

Table 1 Summary of Pavement Structure

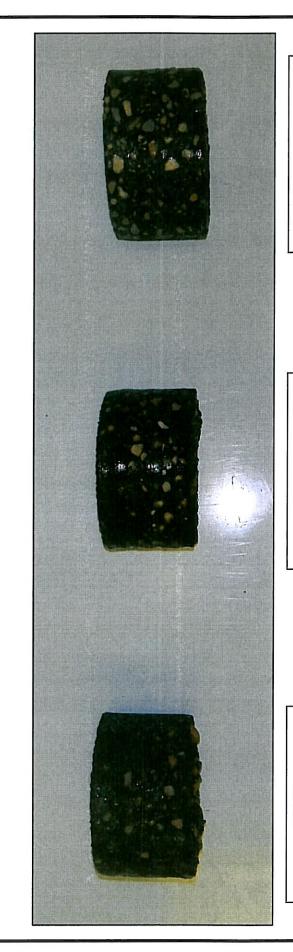
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# Geotechnical Investigation - Grey Street between Mission and Tyne

								12 /11											
nits	Plasticity Index											A. P.							
Atterberg Limits	Plastic Limit											A.P.							
4	Liquid Limit											N.P.							
	Clay (%)											8.7							
Analysis	Silt (%)							1-				23.2							
Hydrometer Analysis	Sand (%)	10000										65.7							
Hy	Gravel (%)											2.4							
Moisture Content (%)			12.7	31.2	48.5	49.7	50.9	0.09	29.0	16.3	27.8	35.2	40.4	27.0	39.5	47.8			
Sample	Depth (m)		0.1	0.4	0.7	1.0	1.3	1.6	1.9	0.1	0.4	2.0	1.0	1.3	1.6	1.9			
Subgrade	Description			Clay (Fill) Sand (Fill)							Clay (Fill) (Fill) (Fill) (Fill)								
cture Material	Thickness (mm)			Ī								I							
Pavement Structure Mat	Туре					1				1									
Surface Thickness (mm)				57								93							
Pavement Surface Type Thickne (mm)				Asphalt								Asphalt							
Test Hole Location						Grey Street							Grey Street						
Test Hole Number			3			ĸ							ø	94					



 <sup>-</sup> N.P. = Non-Plastic.
 - For Test Hole Number 5, water was observed at 1.5 m below the grade.



TH #1 88 mm ASPHALT

TH #2 83 mm ASPHALT

TH #3 84 mm ASPHALT

**Grey Street**Between Mission St. and Tyne Ave.

TH #4 79 mm ASPHALT

TH #5 57 mm ASPHALT

TH #6 59 mm ASPHALT

**Grey Street**Between Mission St. and Tyne Ave.

