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# APPENDIX 'A' GEOTECHNICAL REPORT

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# APPENDIX 'A' - GEOTECHNICAL REPORT

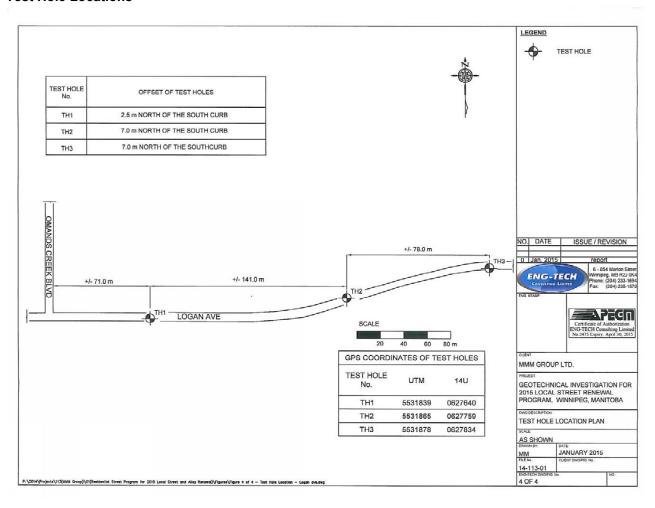
## **TABLE OF CONTENTS**

GEOTECHNICAL REPORT FOR LOGAN AVENUE	1
Test Hole Locations	1
Summary of Core Samples	2
Pavement Core Photos	3

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 Logan Avenue**

### **Test Hole Locations**



Template Version: C420150116 - RW

# **Summary of Core Samples**

### Table 4 Summary of Pavement Structure

Logan Avenue between 2200 Logan and Omands Creek Blvd

File No.: 14-113-01

Page 1 of 2

Test Hole Number	Test Hole Location -	Pavement Surface		Pavement Structure Material		Subgrade	Sample	Moisture	Hydrometer Analysis				Atterberg Limits		
		Туре	Thickness (mm)	Туре	Thickness (mm)	Description	Depth (m)	Content (%)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticit Index
							0.1-0.4	7.6							
1	Logan Avenue	Concrete 20		Sand Fill	300	Sand	0.7	3.7	2.8	68.6	23.0	5.6	NP	NP	NP
							1.0	3.6							
			200				1.3	4.6							
							1.6	3.4							
							1.9	10.3							
2	Logan Avenue	Concrete 215			150	Silty Clay	0.1-0.4	19.2							
							0.7	31.3							
			215	Crushed			1.0	28.7	0.0	4.3	40.1	55.6	49	15	34
			213	Granular			1.3	30.2							
							1.6	41.5							
							1.9	45.1							

<sup>-</sup> N.P. = Non-Plastic

### Table 4 Summary of Pavement Structure

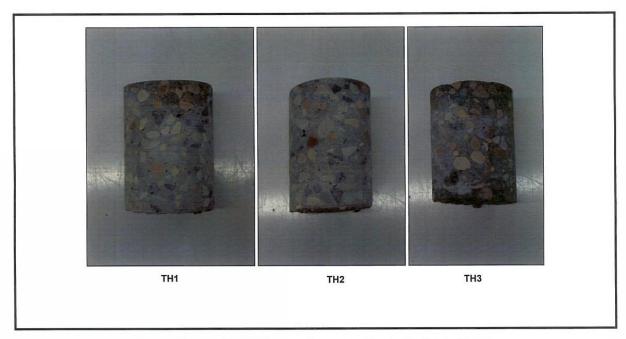
Logan Avenue between 2200 Logan and Omands Creek Blvd.

Page 2 of 2

File No.: 14-113-01

Test Hole Number	Test Hole Location -	Pavement Surface		Pavement Structure Material		Subgrade	Sample	Moisture	Hydrometer Analysis				Atterberg Limits		
		Туре	Thickness (mm)	Туре	Thickness (mm)	Description	Depth (m)	Content (%)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index
						Ī	0.1-0.4	18,5							
3	Logan Avenue	Concrete 192	192	Crushed Granular	200	Clay	0.7	34.2							
							1.0	33.1							
							1.3	35.0							
							1.6	36.1							
							1.9	45.1							

# **Pavement Core Photos**



Logan Avenue (#2200 Logan Avenue to Omand's Creek Blvd.)