

# **APPENDIX 'F'**

# **GEOTECHNICAL REPORT**

March 10, 2016

Mr. Kevin Rae  
AECOM Canada Ltd.  
99 Commerce Drive  
Winnipeg, Manitoba  
R3P 0Y7

Dear Mr. Rae:

**Project No: 60481149 (402)**

**Regarding: Local Streets Package 16-R-05 – Contract 2 – Pavement Coring Summary**

This report summarizes the results of the pavement coring investigation completed for the proposed 2016 Local Street Renewals of Kilkenny Drive and Markham Road. The objective of the investigation is to provide information related to the existing pavement.

Eight pavement cores (TH16-11 to TH16-18) were collected on Kilkenny Drive and four pavement cores (TH16-17 to TH16-20) were collected on Markham Road. The approximate location of pavement core holes are shown on Figures 01 and 02 in Appendix A.

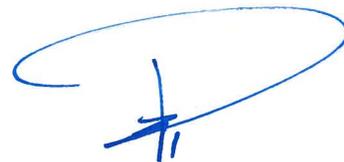
Pavement coring was completed using a hollow 150 mm diameter diamond core drill bit. Core samples were recovered and logged at AECOM's Materials Laboratory. Photos of core samples are included in Appendix A.

Sincerely,  
**AECOM Canada Ltd.**



Aaron Kaluzniak, EIT  
Geotechnical Engineering

**Reviewed by:**



Zeyad Shukri, M.Sc., P.Eng.  
Senior Geotechnical Engineer

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# Appendix A

- Pavement Core Location Plans
- Summary of Pavement Thicknesses
- Pavement Core Photographs



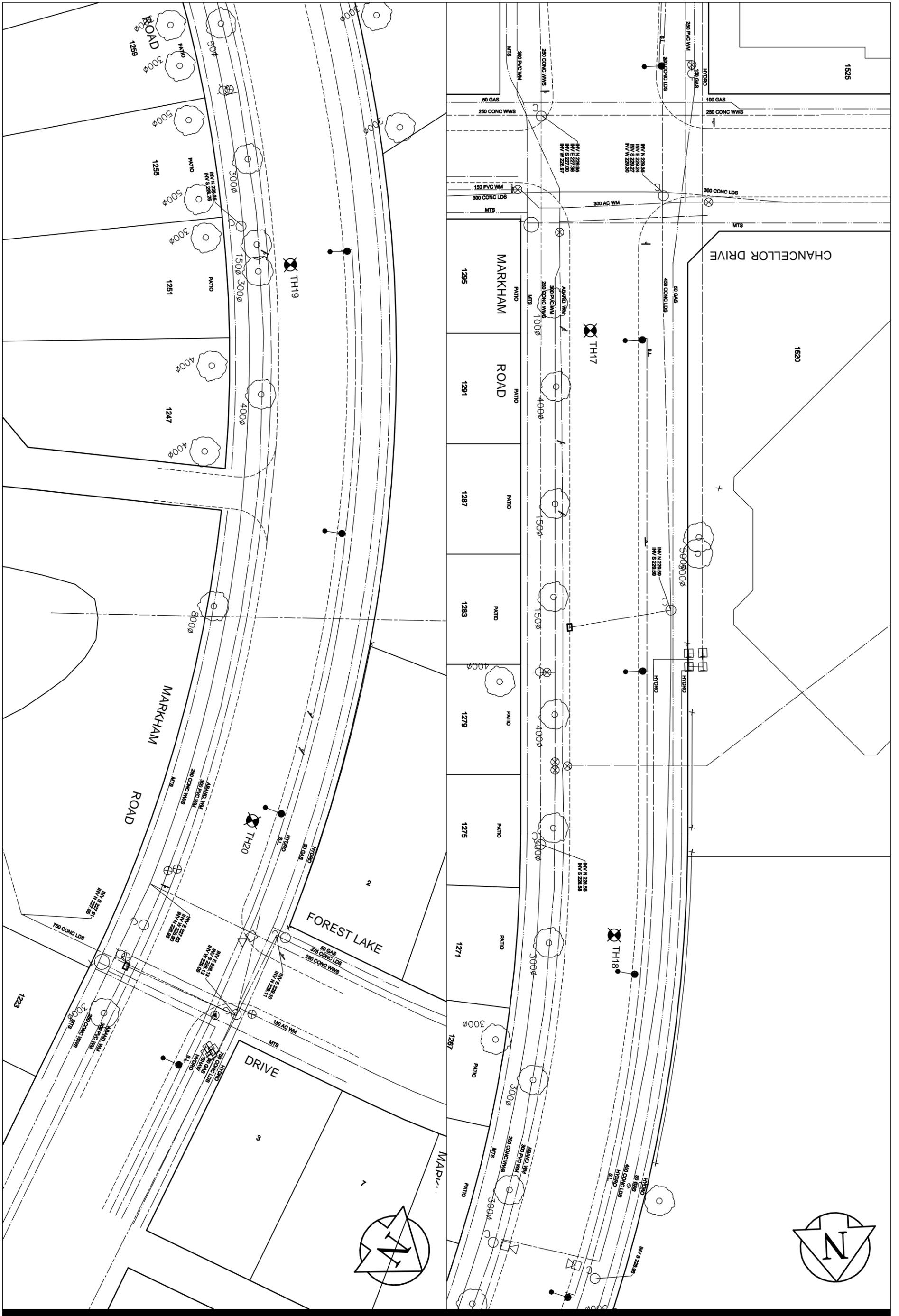


FIGURE 02: TEST HOLES LOCATION PLAN



City of Winnipeg

Local Streets Pkg 16-R-05 – Contract 2

Geotechnical Investigation

Table 01- Summary of Pavement Thickness

Test Hole No.	Testhole Location	Pavement Surface	
		Type	Thickness (mm)
TH16-11	Kilkenny Drive; 50 m E of Patricia Avenue, eastbound traffic lane, #733 Kilkenny	Asphalt	75
		Concrete	N/A
TH16-12	Kilkenny Drive; 50 m E of Patricia Avenue, westbound traffic lane, #733 Kilkenny	Asphalt	200
		Concrete	N/A
TH16-13	Kilkenny Drive; 110 m E of Patricia Avenue, westbound traffic lane, #717 Kilkenny	Asphalt	75
		Concrete	N/A
TH16-14	Kilkenny Drive; 170 m E of Patricia Avenue, westbound traffic lane, #685 Kilkenny	Asphalt	75
		Concrete	N/A
TH16-15	Kilkenny Drive; 170 m E of Patricia Avenue, eastbound traffic lane, #685 Kilkenny	Asphalt	75
		Concrete	N/A

Test Hole No.	Testhole Location	Pavement Surface	
		Type	Thickness (mm)
TH16-16	Kilkenny Drive; 270 m E of Patricia Avenue, westbound traffic lane, #643 Kilkenny	Asphalt	75
		Concrete	N/A
TH16-17	Kilkenny Drive; 120 m W of Kings Drive, westbound traffic lane, #617 Kilkenny	Asphalt	75
		Concrete	N/A
TH16-18	Kilkenny Drive; 10 m W of Kings Drive, eastbound traffic lane, #603 Kilkenny	Asphalt	75
		Concrete	N/A
TH16-17	Markham Road; 15 m N of Chancellor Drive, northbound traffic lane, #1295 Markham	Asphalt	100
		Concrete	N/A
TH16-18	Markham Road; 100 m N of Chancellor Drive, southbound traffic lane, #1271 Markham	Asphalt	150
		Concrete	N/A

Test Hole No.	Testhole Location	Pavement Surface	
		Type	Thickness (mm)
TH16-19	Markham Road; 100 m S of Forest Lake Road, northbound traffic lane, #1251 Markham	Asphalt	150
		Concrete	N/A
TH16-20	Markham Road; 10 m S of Forest Lake Road, southbound traffic lane, #2 Forest Lake Road	Asphalt	180
		Concrete	N/A



**Photograph 1. Kilkenny Drive – TH16-11**



**Photograph 2. Kilkenny Drive – TH16-12**



**Photograph 3. Kilkenny Drive – TH16-13**



**Photograph 4. Kilkenny Drive – TH16-14**



**Photograph 5. Kilkenny Drive – TH16-15**



**Photograph 6. Kilkenny Drive – TH16-16**



**Photograph 7. Kilkenny Drive – TH16-17**



**Photograph 8. Kilkenny Drive – TH16-18**



**Photograph 9. Markham Road – TH16-17**



**Photograph 10. Markham Road – TH16-18**



**Photograph 11. Markham Road – TH16-19**



**Photograph 12. Markham Road – TH16-20**