

APPENDIX 'A'

GEOTECHNICAL REPORT

APPENDIX 'A' - GEOTECHNICAL REPORT

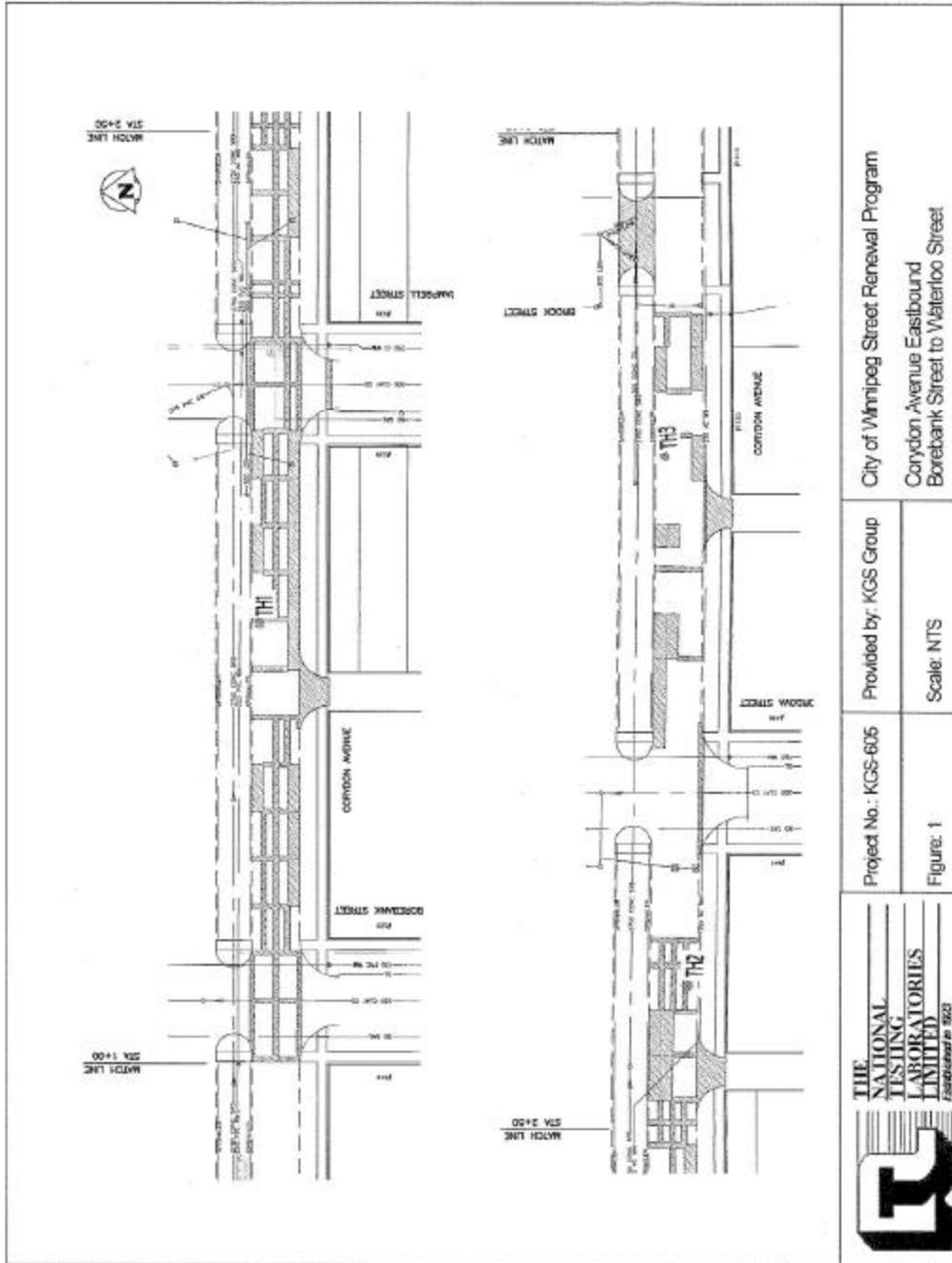
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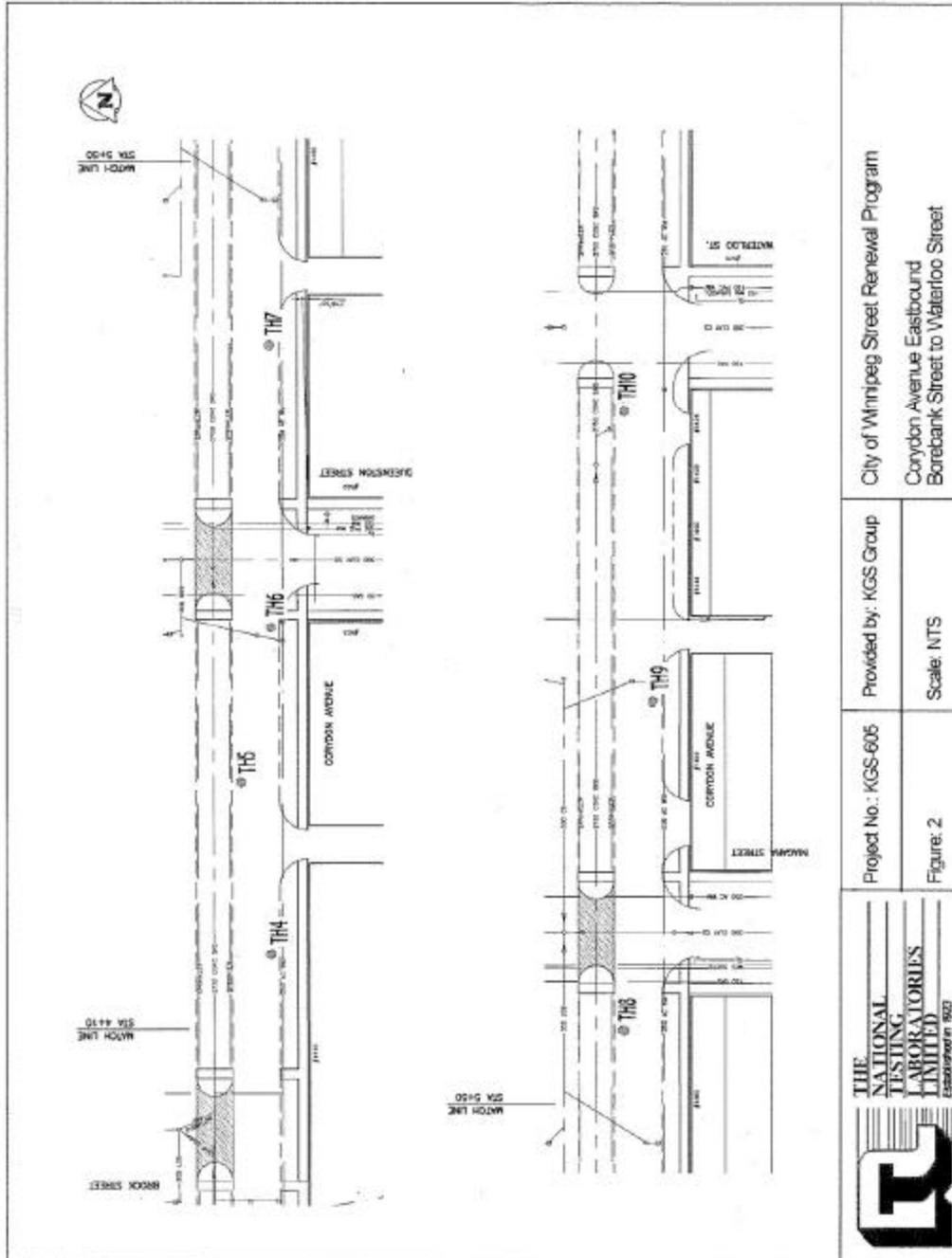
The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure and/or soil 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 Corydon Avenue Eastbound

Test Hole Locations #1 - #3



Test Hole Locations #4 - #10



 <p>THE NATIONAL TESTING LABORATORIES LIMITED ESTABLISHED IN 1923</p>	Project No.: KGS-605	Provided by: KGS Group	City of Winnipeg Street Renewal Program Corydon Avenue Eastbound Borebank Street to Waterloo Street
	Figure: 2	Scale: NTS	

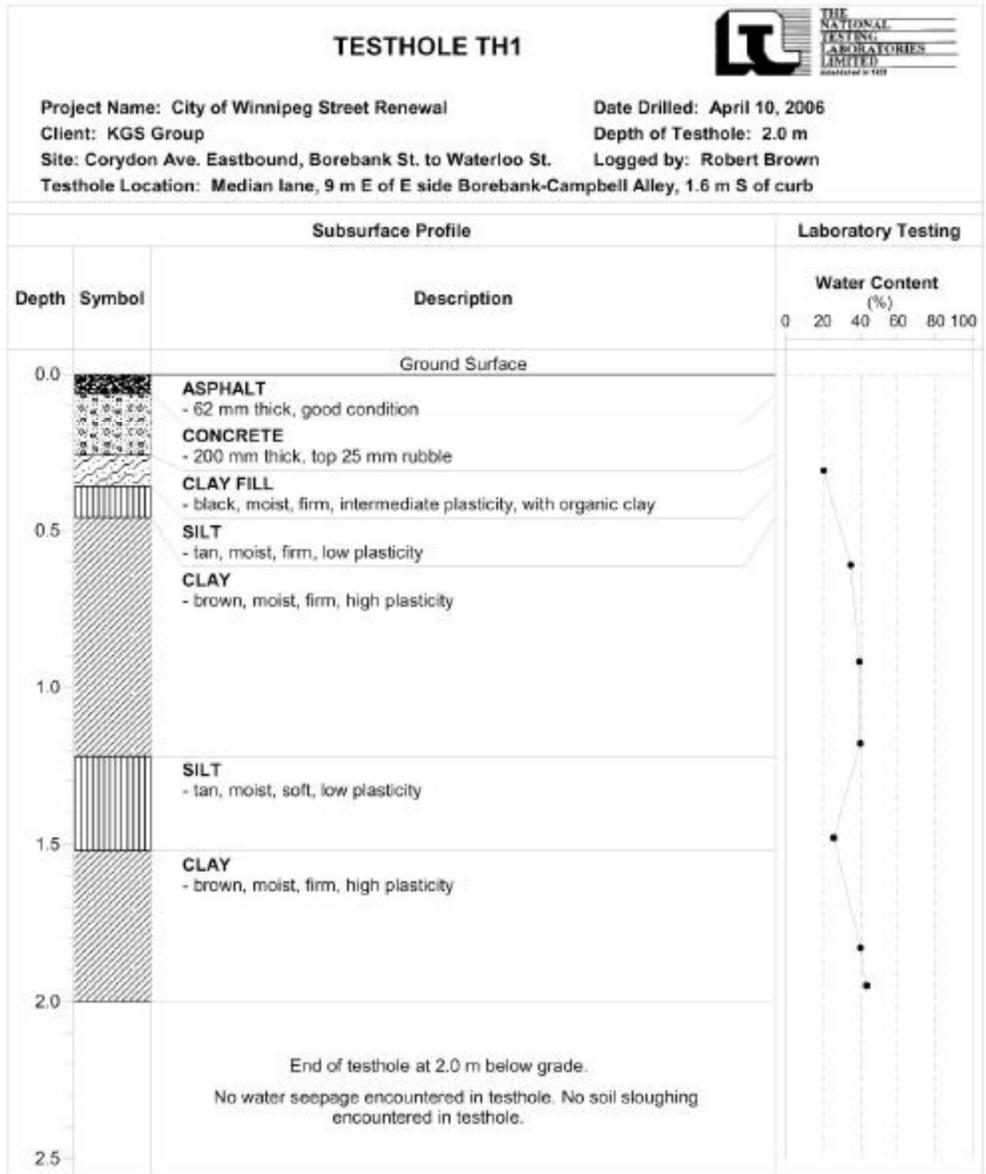
Summary of Core Samples

City of Winnipeg
 2006 City of Winnipeg Street Renewal
 Geotechnical Investigation
 Corydon Avenue Eastbound
 Borbank Street to Waterloo Street

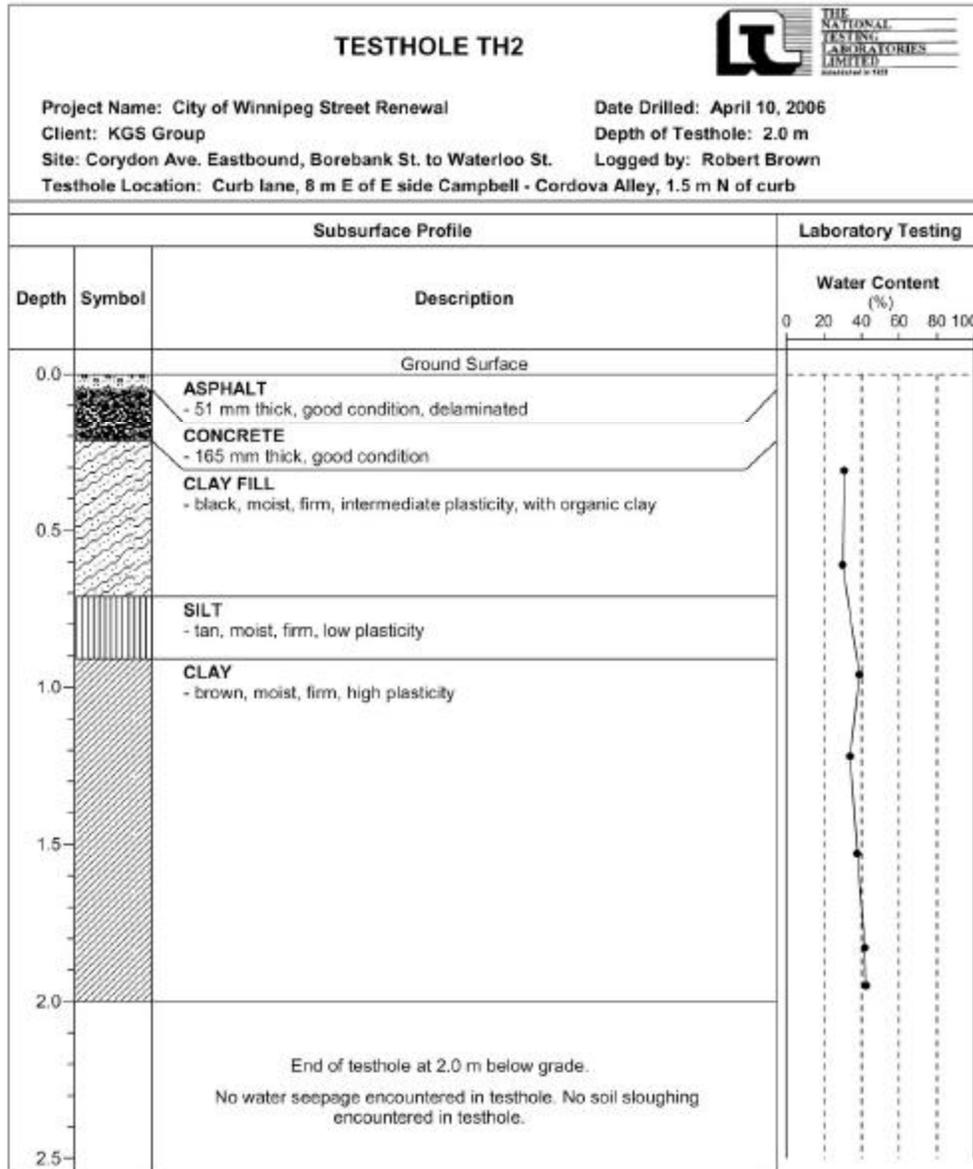
Testhole No.	Testhole Location	Pavement Surface		Placement Structure Material		Sample Description	Sieve Depth (m)	Moisture Content (%)	Particle Size Analysis				Atterberg Limits				
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Limit		
1	Corydon Ave., Median Lane	Asphalt/Concrete	62/200	NA	NA												
2	Corydon Ave., Curb Lane	Asphalt/Concrete	51/165	NA	NA												
3	Corydon Ave., Median Lane	Asphalt/Concrete	68/160	NA	NA												
4	Corydon Ave., Curb Lane	Asphalt/Concrete	316	NA	NA	Clayey Silt	0.9	32.6	0.0	9.2	60.0	31.2	32	15	17		
5	Corydon Ave., Median Lane	Asphalt/Concrete	55/250	NA	NA	Clayey Silt	0.6	22.4	1.6	9.2	65.3	23.0	26	16	10		
6	Corydon Ave., Curb Lane	Asphalt/Concrete	80/200	NA	NA	Clayey Silt	0.3	24.3	3.4	11.4	61.5	23.8	27	15	12		
7	Corydon Ave., Curb Lane	Concrete	200	NA	NA	Clay	1.8	35.2	0.0	1.4	9.6	69.0	86	25	63		
8	Corydon Ave., Median Lane	Asphalt/Concrete	54/240	NA	NA												
9	Corydon Ave., Curb Lane	Asphalt/Concrete	50/220	NA	NA												
10	Corydon Ave., Median Lane	Asphalt/Concrete	50/190	NA	NA												

Notes:
 1. Dotted testhole locations are provided in the attached testhole logs.

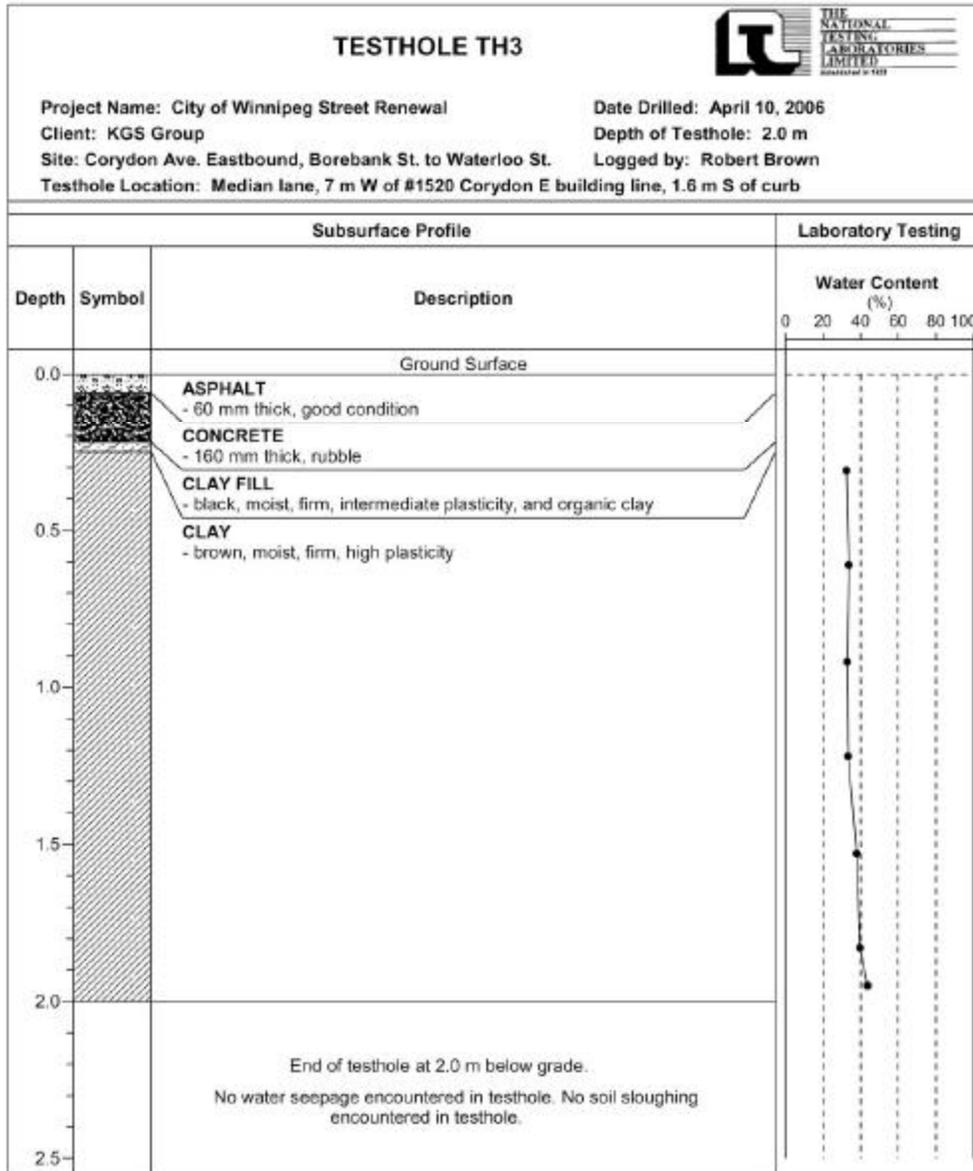
Test Hole #1 Log for Corydon Avenue



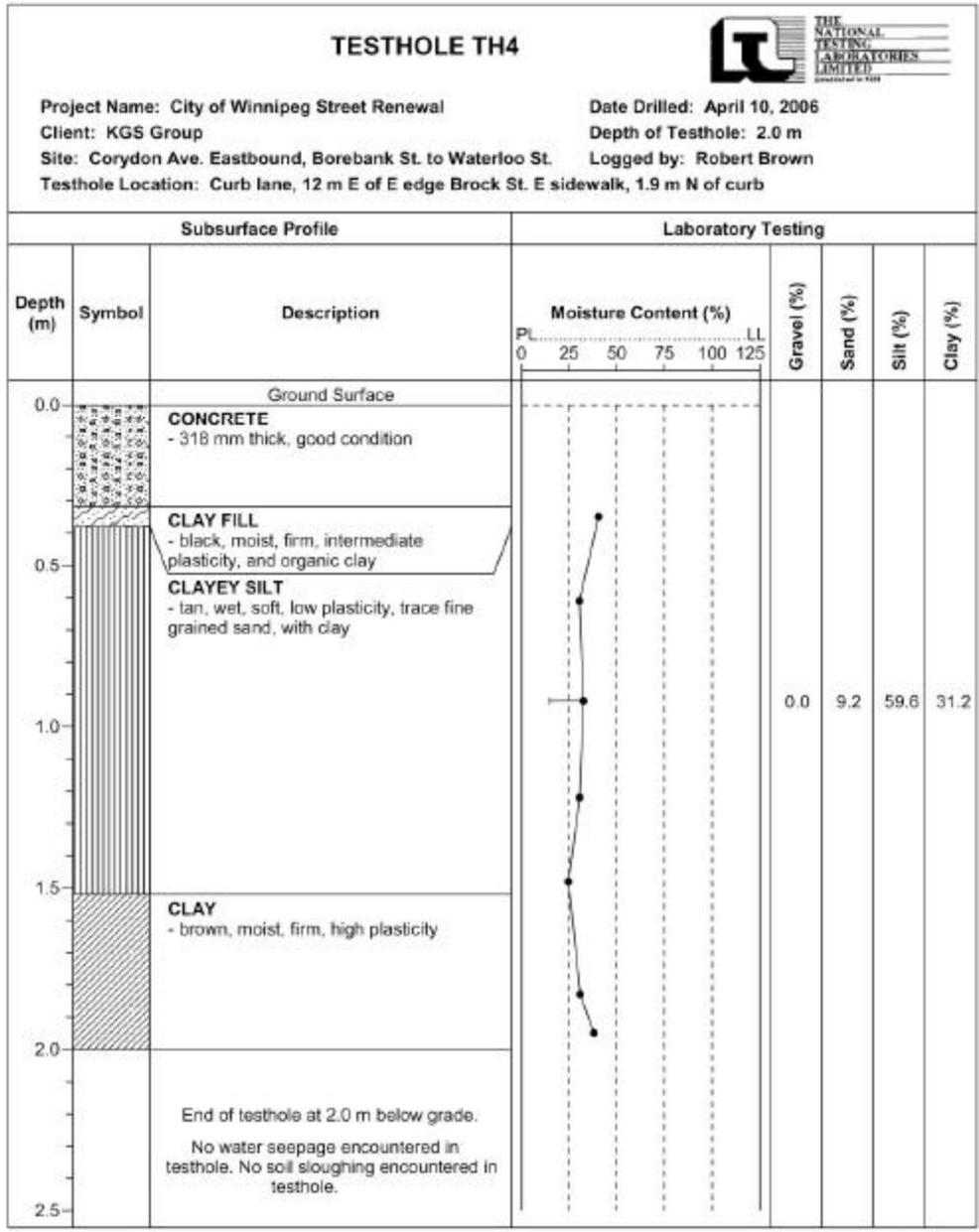
Test Hole #2 Log for Corydon Avenue



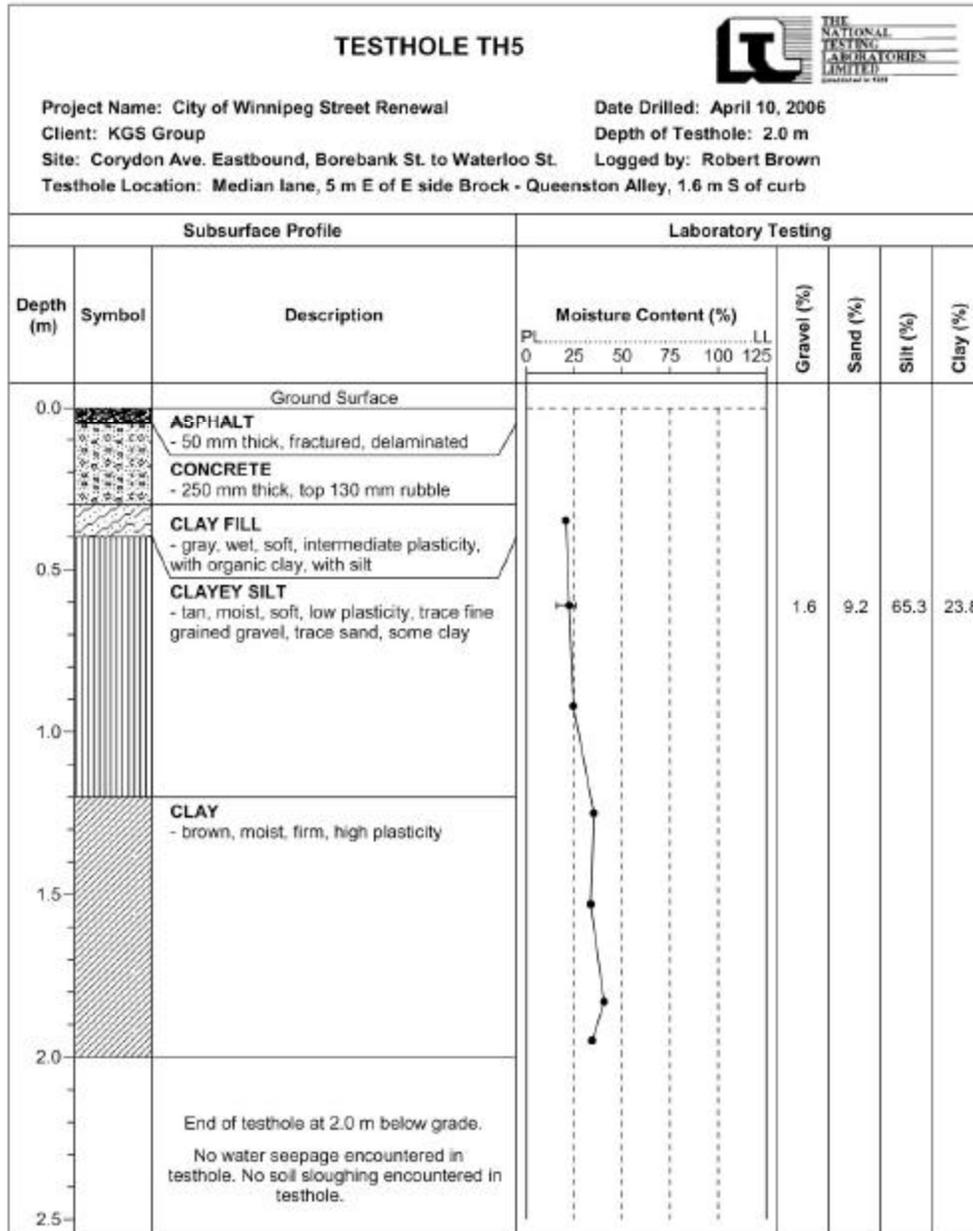
Test Hole #3 Log for Corydon Avenue



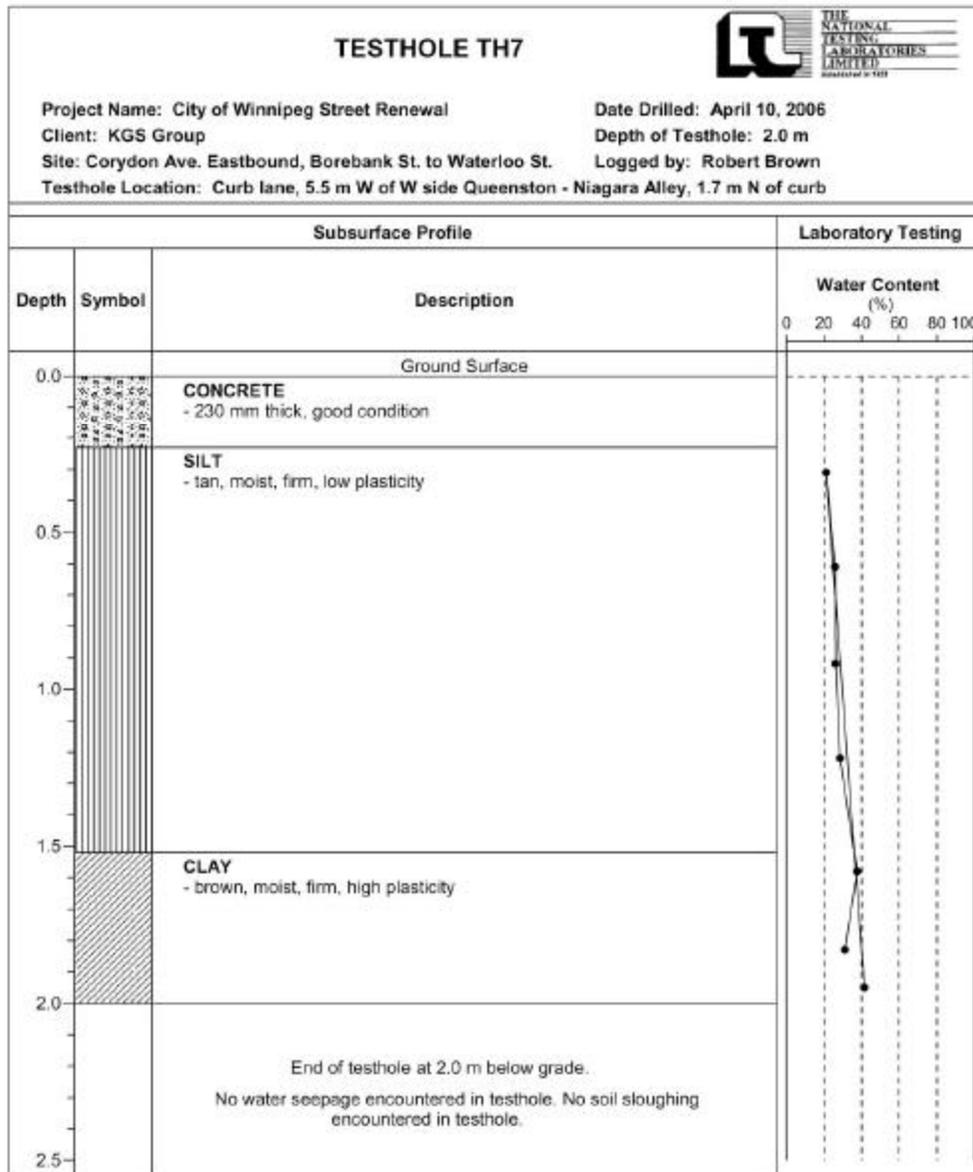
Test Hole #4 Log for Corydon Avenue



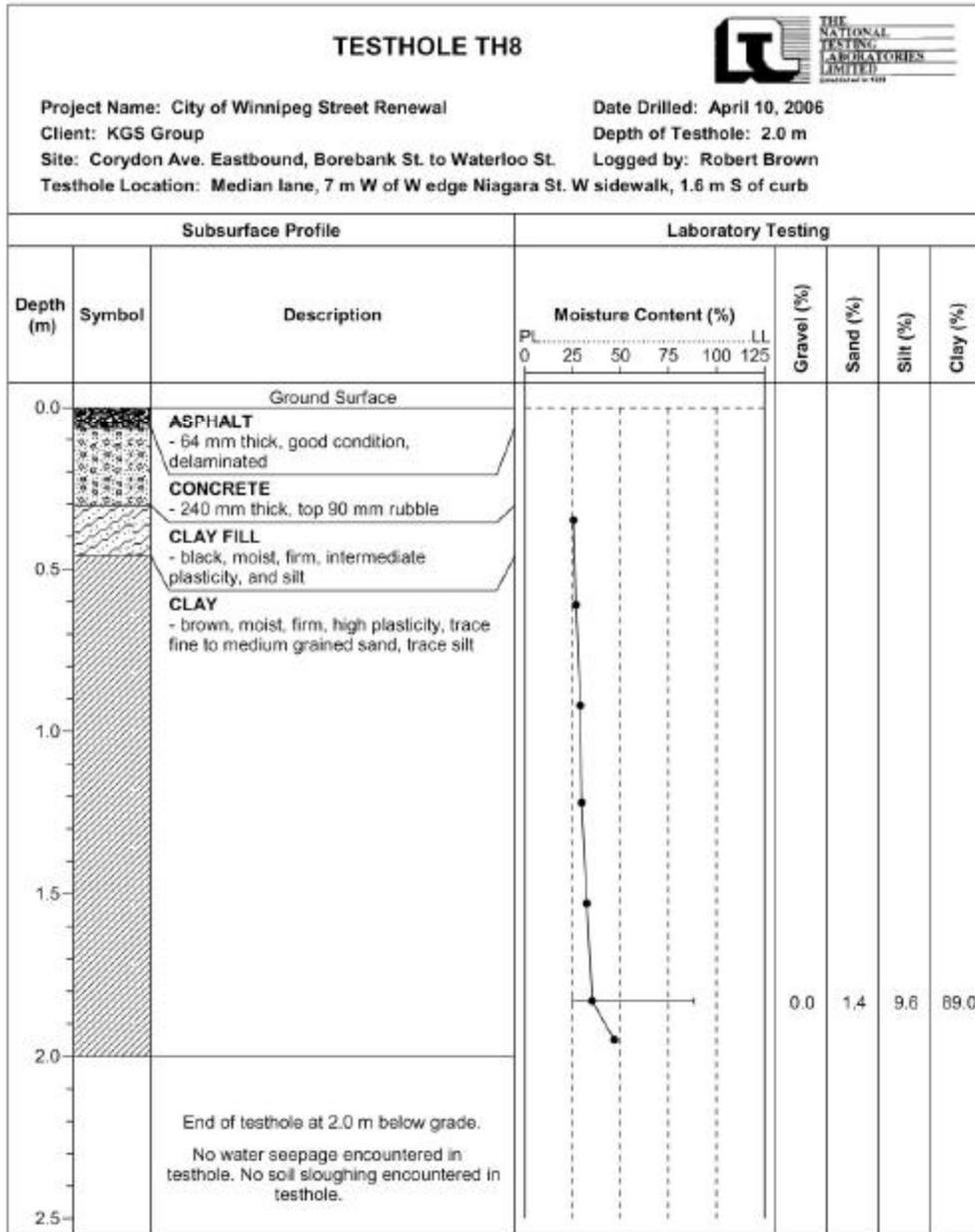
Test Hole #5 Log for Corydon Avenue



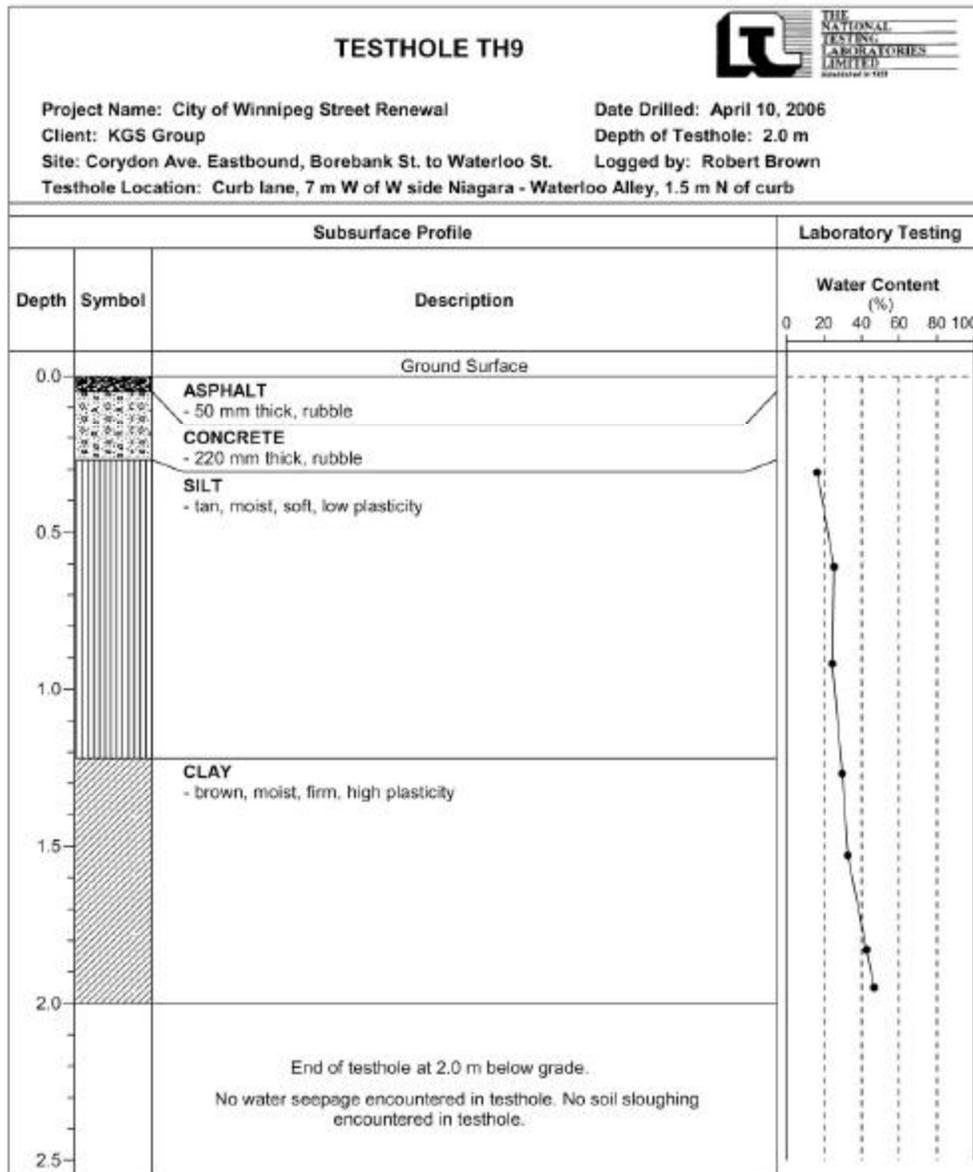
Test Hole #7 Log for Corydon Avenue



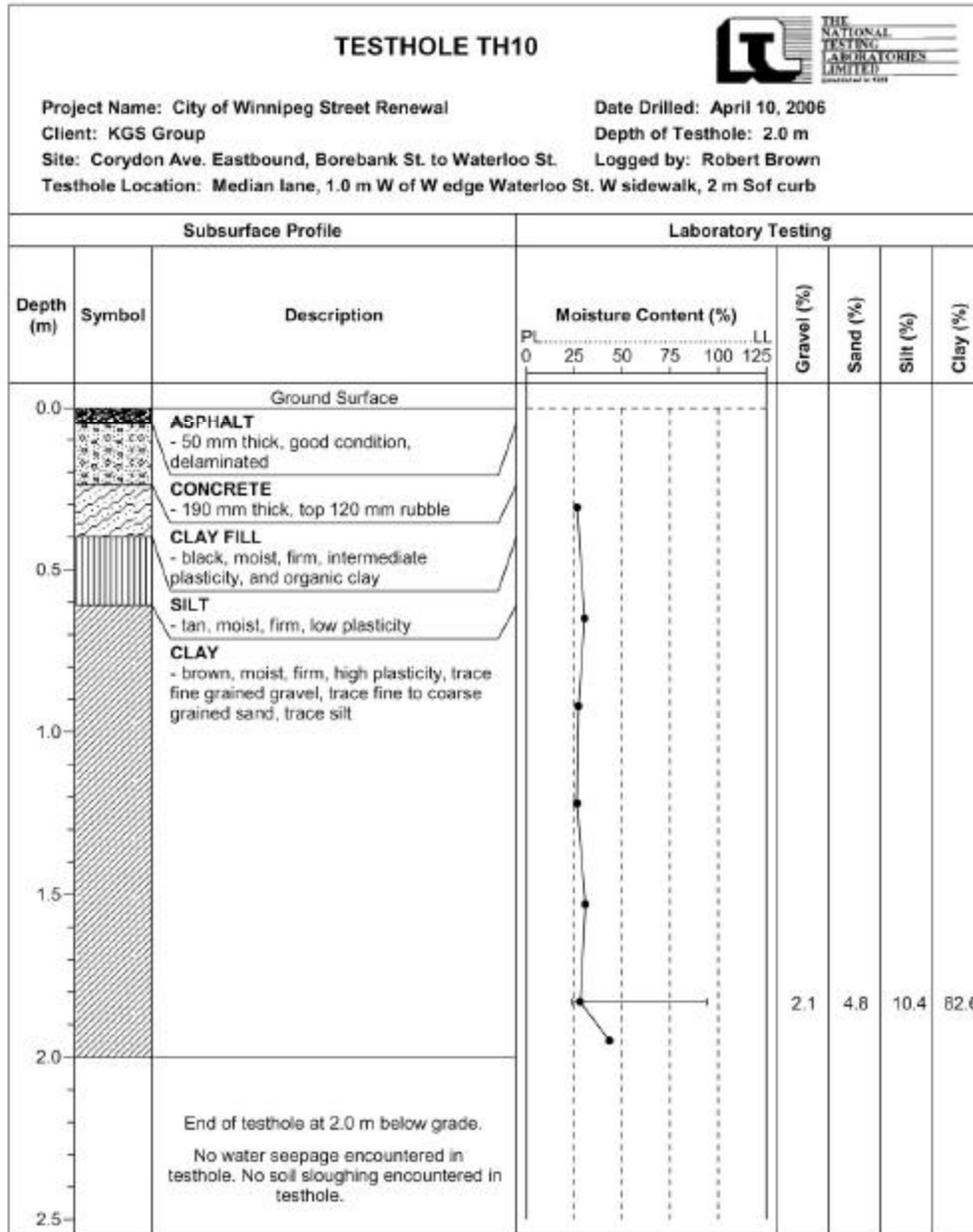
Test Hole #8 Log for Corydon Avenue



Test Hole #9 Log for Corydon Avenue



Test Hole #10 Log for Corydon Avenue



Pavement Core Photos 1-8

City of Winnipeg Street Renewal Program
Corydon Avenue Eastbound
Borebank Street to Waterloo Street



TH1

TH2



TH3

TH4



TH5

TH6



TH7

TH8

Pavement Core Photos 9-10

City of Winnipeg Street Renewal Program
Corydon Avenue Eastbound
Borebank Street to Waterloo Street



TH9

TH10