

# **APPENDIX 'A'**

# **GEOTECHNICAL REPORT**

## APPENDIX 'A' - GEOTECHNICAL REPORT

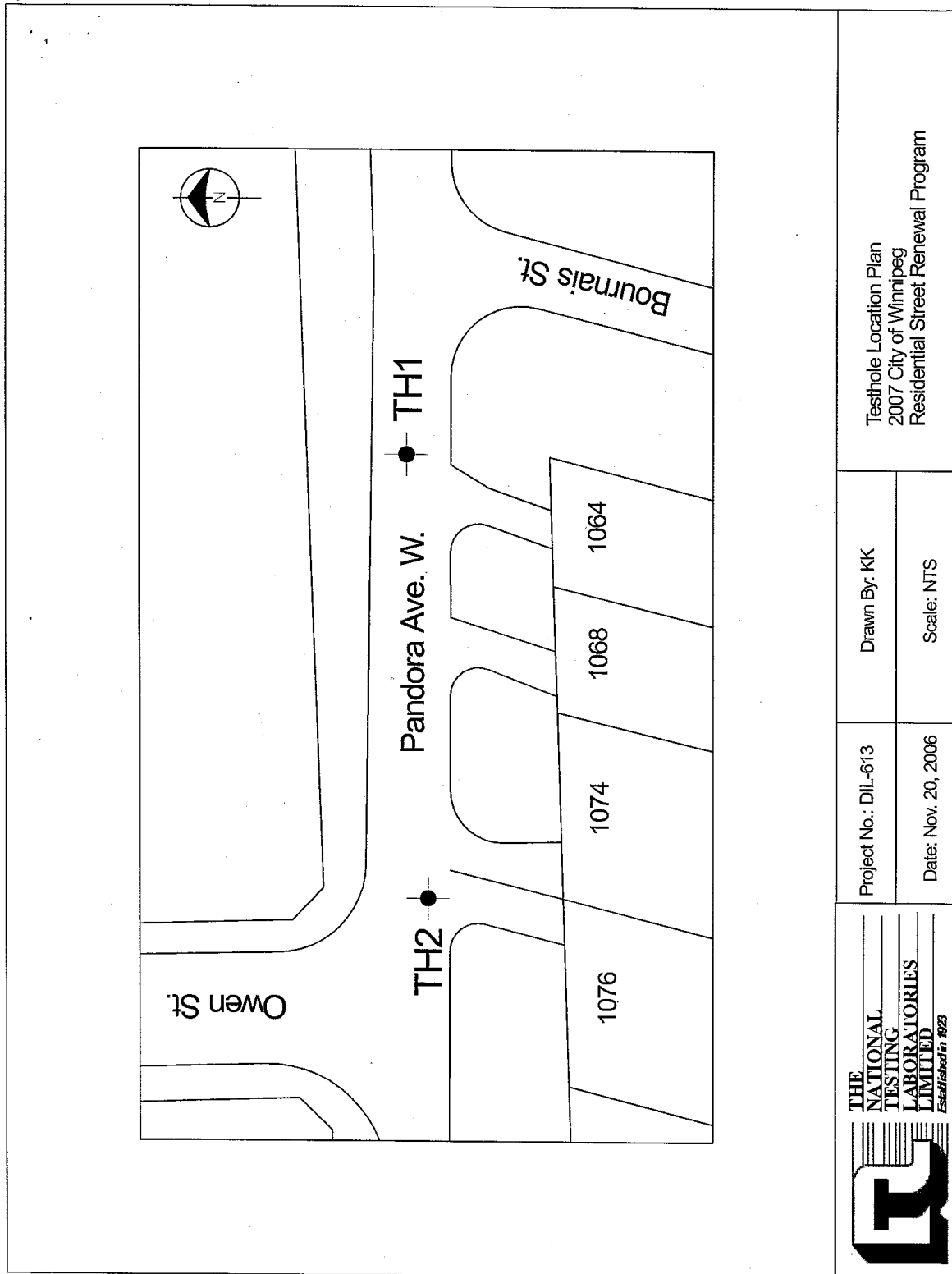
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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling.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





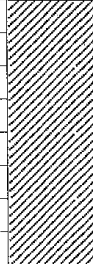

**Geotechnical Report for Pandora Avenue West from Owen Street to Bournais Street**

**Test Hole Locations**












**Test Hole Log for Test Hole #1**

TESTHOLE TH1								
Project Name: 2007 Residential Street Renewal Client: Dillon Consulting Limited Site: Pandora Ave. W., Owen St. to Bournais St. Testhole Location: EB lane, centre of entrance to Lot 1076, 2.2 m from S shoulder		Date Drilled: November 13, 2006 Depth of Testhole: 2.2 m Logged by: Kurtis Kulchyski						
Subsurface Profile			Laboratory Testing					
Depth (m)	Symbol	Description	Moisture Content (%)		Gravel (%)	Sand (%)	Silt (%)	Clay (%)
			PL	LL				
0.0		Ground Surface						
0.0 - 0.2		<b>ASPHALT</b>						
0.2 - 1.0		<b>CLAY</b> - black to grey, stiff, moist, high plasticity, thinly varved with silt	25	75	0.0	1.3	27.5	71.2
1.0 - 1.2		<b>SILT</b> - tan, soft, moist, low plasticity, with clay - non-plastic below 1.1 m, some clay	0.0	3.7	0.0	3.7	76.2	20.1
1.2 - 2.0		<b>CLAY</b> - brown, stiff, moist, high plasticity - thinly varved with silt						
2.0 - 2.2		<b>SILT</b> - tan, soft, moist, low plasticity, some clay, trace sand seams						
2.2 - 2.5		<ul style="list-style-type: none"> <li>• End of testhole at 2.2 m below grade.</li> <li>• No water seepage or sloughing were observed during or after completion of drilling.</li> </ul>						

**Test Hole Log for Test Hole #2**

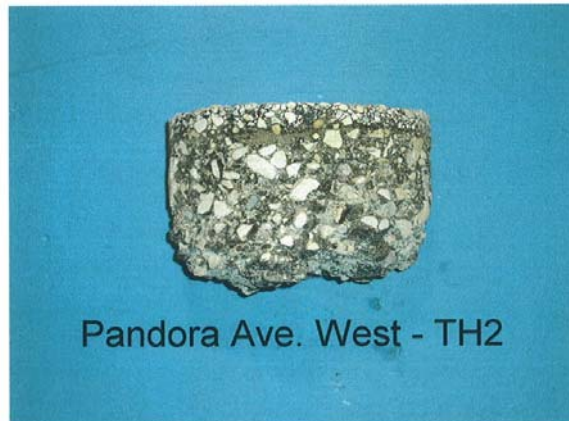
TESTHOLE TH2			
<b>Project Name:</b> 2007 Residential Street Renewal <b>Client:</b> Dillon Consulting Limited <b>Site:</b> Pandora Ave. W., Owen St. to Bournais St. <b>Testhole Location:</b> CL of road, 3.0 m W of E property line of Lot 1064, 3.1 m S of N shoulder		<b>Date Drilled:</b> November 13, 2006 <b>Depth of Testhole:</b> 2.2 m <b>Logged by:</b> Kurtis Kulchyski	
Subsurface Profile			Laboratory Testing
Depth	Symbol	Description	Water Content (%)
			0 20 40 60 80 100
0.0		Ground Surface <b>ASPHALT</b>	
		<b>GRANULAR BASE</b> - dark brown, moist, 20 mm down crushed gravel	
0.5		<b>GRANULAR BACKFILL</b> - tan, moist, uncrushed, with 50 mm maximum size gravel	•
1.0			•
1.5			•
2.0			•
2.5		<ul style="list-style-type: none"> <li>• End of testhole at 2.2 m below grade.</li> <li>• No water seepage into the testhole was observed. Sloughing of the pitrun was observed during drilling.</li> <li>• The testhole was placed approximately in the centre of the road to avoid the underground water service located along the north shoulder of the road. The presence of granular backfill would indicate that the testhole is still within the water service trench.</li> </ul>	•

**Pavement Core Photos**

**2007 City of Winnipeg Residential Street Renewal  
Pandora Avenue West  
Owen Street to Bournais Street**



Pandora Ave. West - TH1



Pandora Ave. West - TH2