



HESPELER AVENUE

GLENWOOD CRESCENT TO 175 WEST OF HENDERSON HWY

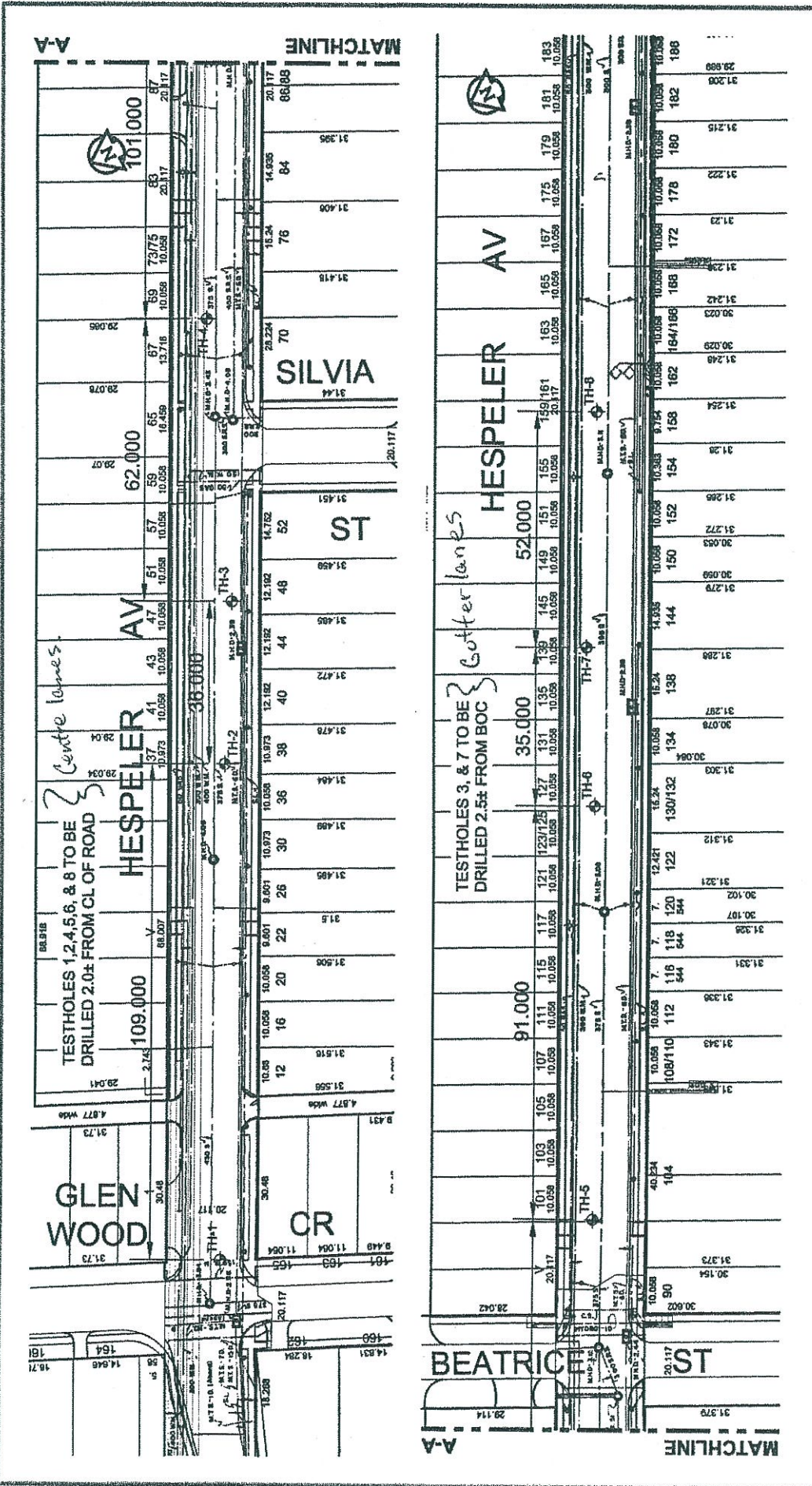
2006 STREET RENEWAL PROGRAM

GEOTECHNICAL INVESTIGATION

UMA FILE NAME: 0265-380-00_00-CTF001_RX.dwg Saved By: ddoszpod

PLOT: 05/12/08 9:40:08 AM

A SIZE 8.5" x 11" (216.9mm x 279.4mm)



The City of Winnipeg
Public Works Department-Engineering Division
2006 Regional Street Renewal Program

Hespeler Avenue-Testhole Locations
From Glenwood Crescent to 175m W/Henderson Highway

UMA | AECOM Figure - H-TH1

TESTHOLE TH1






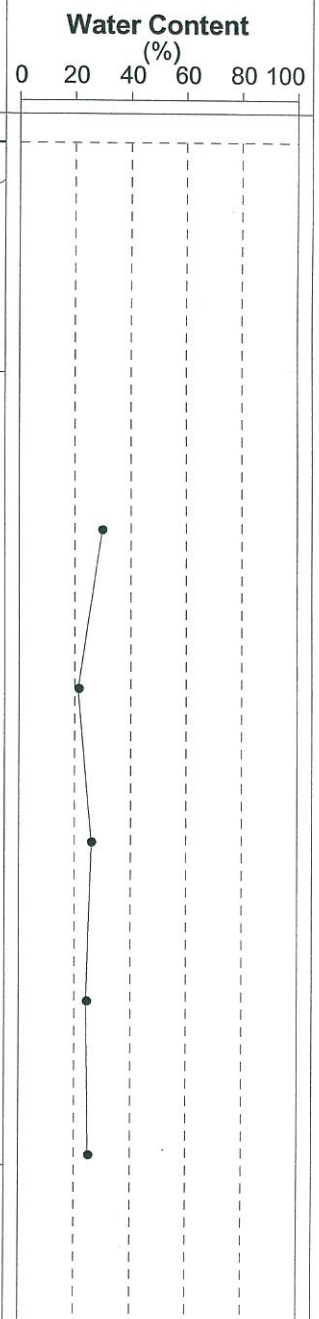
Project Name: 2006 City of Winnipeg Streets Reconstruction
 Client: UMA Engineering Ltd.
 Site: Hespeler Avenue
 Testhole Location: 165 Glenwood Cres., 8.7 m N, 11.0 m W of NW building corner

Date Drilled: January 17, 2006
 Depth of Testhole: 2.0 m
 Logged by: Robert Brown

Subsurface Profile

Laboratory Testing

Depth	Symbol	Description	Water Content (%)	
			0	20 40 60 80 100
0.0		Ground Surface		
		ASPHALT - 75 mm thick, good condition		
		CONCRETE - 375 mm thick, fractured		
0.5		CLAY - black, moist, firm, intermediate plasticity - brown, high plasticity below 0.8 m		
1.0				
1.5				
2.0				
Frozen to a depth of 0.5 m below grade. End of testhole at 2.0 m below grade.				



TESTHOLE TH2



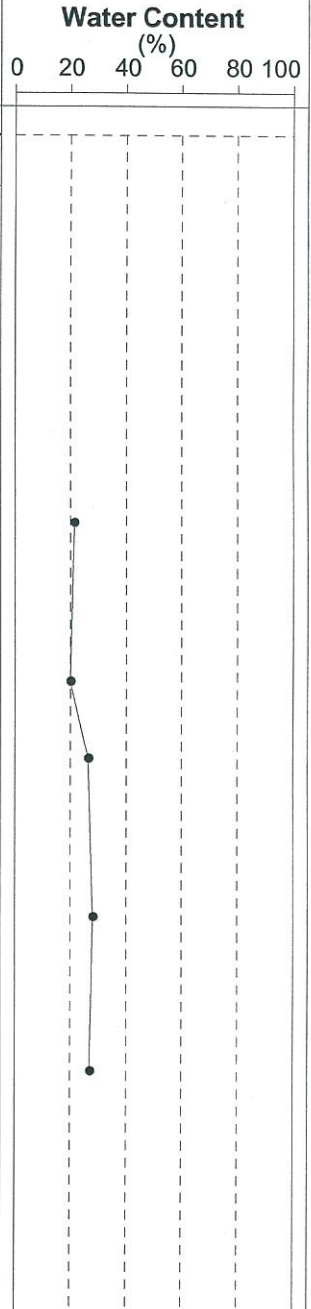
Project Name: 2006 City of Winnipeg Streets Reconstruction
Client: UMA Engineering Ltd.
Site: Hespeler Avenue
Testhole Location: 38 Hespeler Ave., 1.7 m E of W building line, 1.5 m S of centreline

Date Drilled: January 17, 2006
Depth of Testhole: 2.0 m
Logged by: Robert Brown

Subsurface Profile

Laboratory Testing

Depth	Symbol	Description	Water Content (%)				
			0	20	40	60	80
Ground Surface							
0.0		ASPHALT - 100 mm thick, poor condition					
		CONCRETE - 475 mm thick, fractured					
0.5		CLAY - brown, moist, firm, intermediate plasticity, some fine grained gravel - some silt from 1.1 m to 1.5 m					
1.0							
1.5							
2.0							
Frozen to a depth 0.5 m below grade. End of testhole at 2.0 m below grade.							



TESTHOLE TH3



Project Name: 2006 City of Winnipeg Streets Reconstruction
 Client: UMA Engineering Ltd.
 Site: Hespeler Avenue
 Testhole Location: 48 Hespeler Ave., 1.2 m E of west building line, 2 m N of curb

Date Drilled: January 16, 2006
 Depth of Testhole: 2.0 m
 Logged by: Robert Brown

Subsurface Profile			Laboratory Testing							
Depth (m)	Symbol	Description	Moisture Content (%)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)
			PL	0	25	50				
0.0		Ground Surface								
0.0 - 0.2	[Concrete symbol]	CONCRETE - 200 mm thick, good condition								
0.2 - 0.3	[Granular Base symbol]	GRANULAR BASE - 19 mm maximum particle size, brown, with clay								
0.3 - 2.0	[Clay symbol]	CLAY - brown - moist, firm, intermediate plasticity, with silt below 0.8 m - some fine grained sand below 1.1 m								
2.0		Frozen to a depth of 0.8 m below grade. End of testhole at 2.0 m below grade.								
							0.0	21.5	25.8	52.7

TESTHOLE TH4



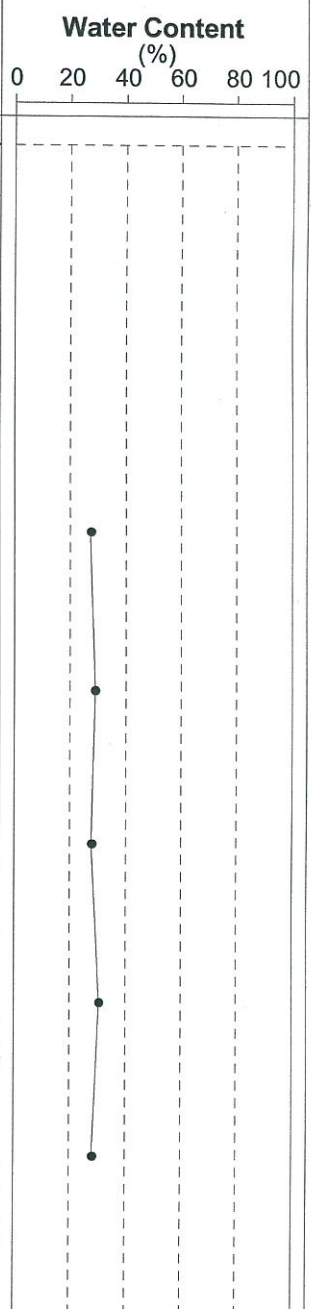
Project Name: 2006 City of Winnipeg Streets Reconstruction
Client: UMA Engineering Ltd.
Site: Hespeler Avenue
Testhole Location: 69 Hespeler Ave., 1.5 m W of west building line, 1.5 m N of centreline

Date Drilled: January 17, 2006
Depth of Testhole: 2.0 m
Logged by: Robert Brown

Subsurface Profile

Laboratory Testing

Depth	Symbol	Description	Water Content (%)				
			0	20	40	60	80
Ground Surface							
0.0		ASPHALT - 100 mm thick, good condition					
		CONCRETE - 225 mm thick, good condition					
0.5		CLAY FILL - brown, moist, firm, intermediate plasticity, some rubble					
1.0		CLAY - brown, moist, firm, intermediate plasticity - some silt below 1.5 m					
1.5							
2.0							
Frozen to a depth of 0.5 m below grade. End of testhole at 2.0 m below grade.							



TESTHOLE TH5



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

Client: UMA Group

Depth of Testhole: 2.0 m

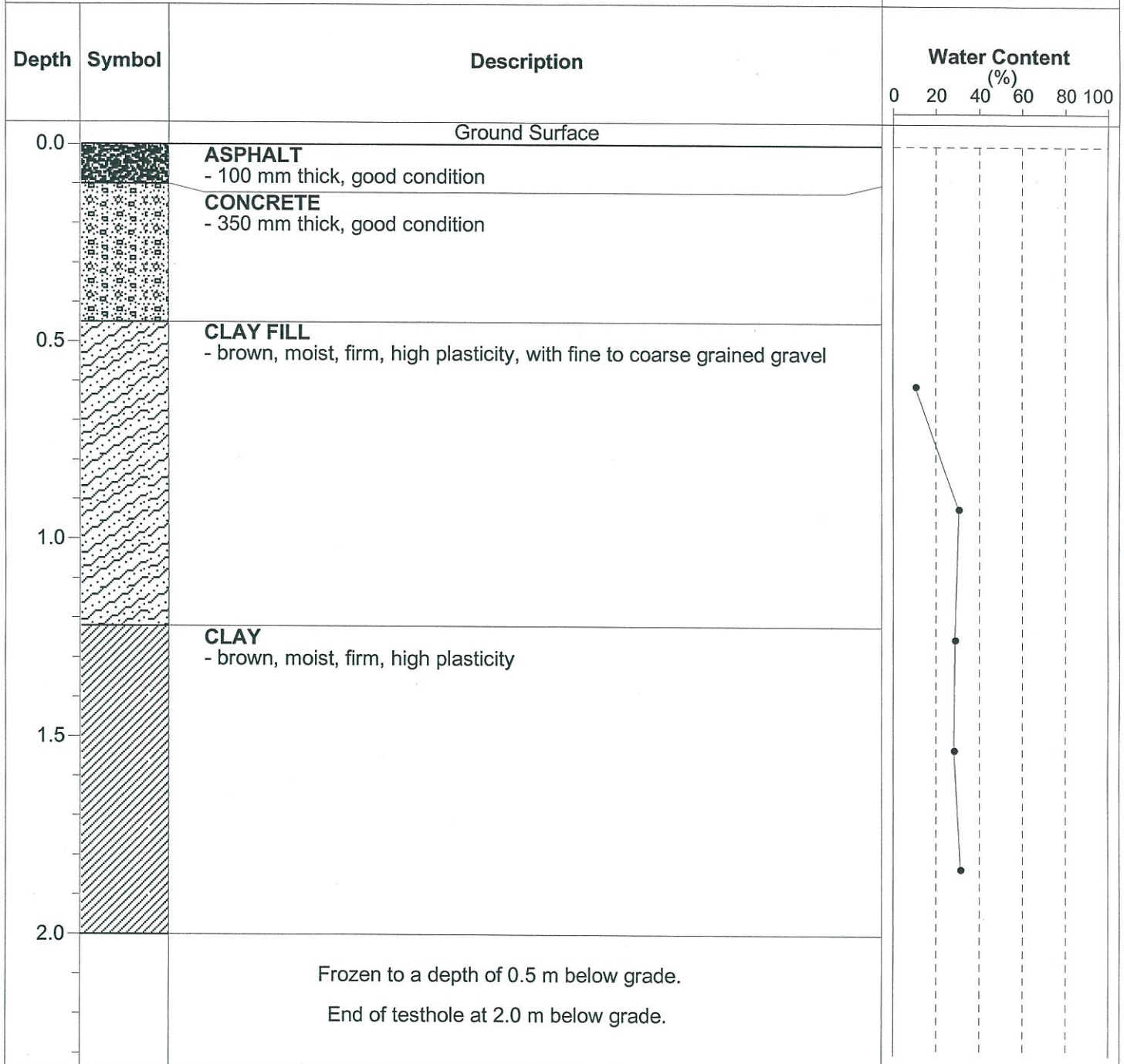
Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 101 Hespeler Ave., 2.9 m W of west building line, 1.6 m N of centreline

Subsurface Profile

Laboratory Testing



TESTHOLE TH6



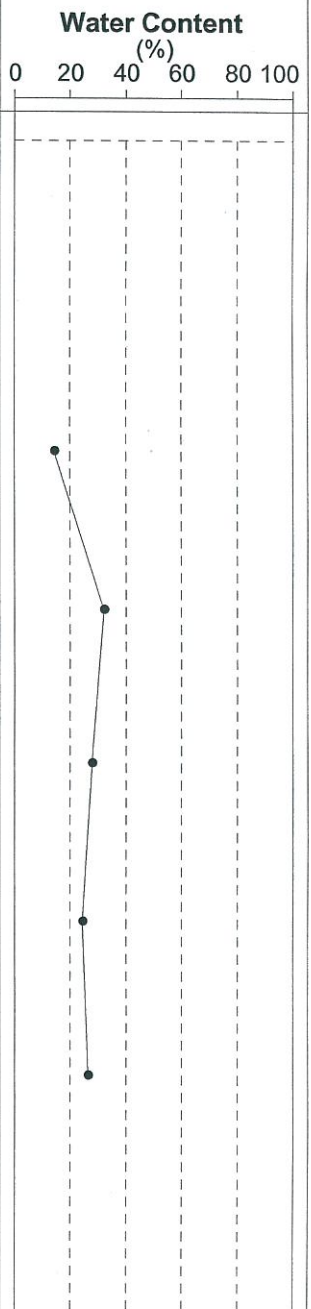
Project Name: 2006 City of Winnipeg Streets Reconstruction
Client: UMA Engineering Ltd.
Site: Hespeler Avenue
Testhole Location: 127 Hespeler Ave., 1.6 m E of west building line, 1.4 m N of centreline

Date Drilled: January 17, 2006
Depth of Testhole: 2.0 m
Logged by: Robert Brown

Subsurface Profile

Laboratory Testing

Depth	Symbol	Description	Water Content (%)					
			0	20	40	60	80	100
0.0		Ground Surface						
		ASPHALT - 100 mm thick, fractured						
		CONCRETE - 375 mm thick, fractured						
0.5		GRANULAR BASE - 19 mm maximum particle size, brown, moist, dense, with clay						
1.0		CLAY - brown, moist, firm, high plasticity - some silt below 1.8 m						
1.5								
2.0								
Frozen to a depth of 0.5 m below grade. End of testhole at 2.0 m below grade.								



TESTHOLE TH7






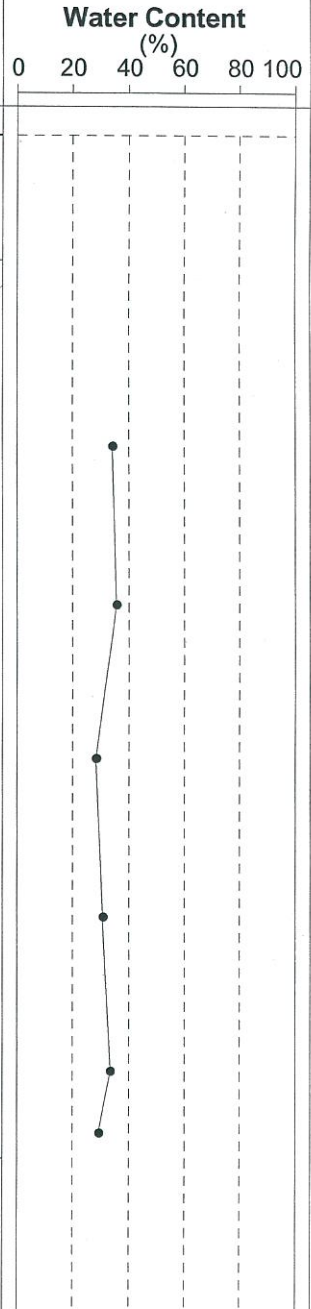
Project Name: 2006 City of Winnipeg Streets Reconstruction
Client: UMA Engineering Ltd.
Site: Hespeler Avenue
Testhole Location: 138 Hespeler Ave., 0.3 m W of east building line, 2.0 m S of curb

Date Drilled: January 17, 2006
Depth of Testhole: 2.0 m
Logged by: Robert Brown

Subsurface Profile

Laboratory Testing

Depth	Symbol	Description	Water Content (%)				
			0	20	40	60	80
Ground Surface							
0.0		CONCRETE - 245 mm thick, good condition					
		GRANULAR BASE - 19 mm maximum particle size, brown					
0.5		CLAY - black - brown, moist, stiff, intermediate plasticity below 0.8 m - with silt, firm below 1.1 m					
1.0							
1.5							
2.0							
Frozen to a depth of 0.8 m below grade. End of testhole at 2.0 m below grade.							



TESTHOLE TH8



Project Name: 2006 City of Winnipeg Streets Reconstruction
Client: UMA Engineering Ltd.
Site: Hespeler Avenue
Testhole Location: 159 Hespeler Ave., 7 m W of east building line, 1.6 m N of centreline

Date Drilled: January 17, 2006
Depth of Testhole: 2.0 m
Logged by: Robert Brown

Subsurface Profile

Laboratory Testing

