

Project Name: 2004 City of Winnipeg Street Renewal Program

Client: UMA Engineering Ltd.

Date Drilled: January 21, 2004 Depth of Testhole: 3.5 m

Site: Main Street S/B

Logged by: Robert Hochkievich

Testhole Location: 2 lanes E of curb, 2 m N of 572 Main St south property line

Subsurface Profile			Laboratory Testing						
Depth (m)	Symbol	Description	Noisture Content (%) Sand (%)	Clay (%)					
0.0- 0.5- 1.0- 1.5- 2.0- 3.5- 3.5-		Ground Surface HOT MIX ASPHALT - 80 mm thick, fair condition 20 mm CRUSHED LIMESTONE BASE - 25 mm thick CONCRETE - 270 mm thick, good condition 20 mm CRUSHED LIMESTONE BASE - 925 mm thick CLAY FILL - dark brown, trace gravel, trace sand SILT - tan, moist, soft, non to low plasticity CLAY - brown, moist, firm, high plasticity, trace silt inclusions Frozen to a depth of 0.9 m below grade. End of testhole at 3.5 m below grade.		19.4					



Project Name: 2004 City of Winnipeg Street Renewal Program Date Drilled: January 21, 2004

Client: UMA Engineering Ltd. Depth of Testhole: 3.5 m

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Testhole Location: Median lane, 4 m S of 550 Main St. south property line

Subsurface Profile					Laboratory Testing					
Depth (m)	Symbol	Description	0	W a	(%) 40 60					
0.0		Ground Surface								
0.0 <i>-</i> - -		HOT MIX ASPHALT - 53 mm thick, fair condition	7							
-	9700 94 	CONCRETE - 270 mm thick, good condition		 		1				
0.5- - -		20 mm GRANULAR BASE - 75 mm thick, gravel and sand	/	•						
-		CLAY FILL - dark brown, trace gravel, trace sand		i ! !						
1.0- - - -		CLAY - brown, moist, soft to firm, intermediate plasticity, some silt SILT - tan, moist, soft, low plasticity			/ ; ;					
- 1.5 – - -										
2.0 - -						 				
2.5 – - - -		CLAY - brown, moist, firm, high plasticity, trace silt inclusions								
3.0-										
3.5-		Frozen to a depth of 0.9 m below grade. End of testhole at 3.5 m below grade.	\dashv	 - - -						



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Site: Main Street S/B Logged by: Robert Hochkievich

Testhole Location: Median lane, 25 m S of 510 Main St. north property line

Subsurface Profile					Laboratory Testing				
Depth (m)	Symbol	Description	o 1	W a	('	Conte %) 60	ent 80 100		
0.0- - - - - - - - - - - - - - - - - - -		Ground Surface HOT MIX ASPHALT - 250 mm thick, good condition CONCRETE - 100 mm thick, good condition 20 mm GRANULAR BASE - 75 mm thick, gravel and sand CLAY FILL - dark brown, trace gravel, trace sand - mottled with silt	0 4 1		40		80 100		
2.5- - - 3.0- - - - 3.5-		Frozen to a depth of 0.9 m below grade. End of testhole at 3.5 m below grade.							



Project Name: 2004 City of Winnipeg Street Renewal Program

Client: UMA Engineering Ltd.

Site: Main Street S/B

Testhole Location: Median lane, front door of 457 Main St.

Date Drilled: January 21, 2004
Depth of Testhole: 3.5 m

Logged by: Robert Hochkievich

Subsurface Profile					Laboratory Testing					
Depth (m)	Symbol	Symbol Description			Water Content (%) 0 20 40 60 80 10					
0.0		Ground Surface	\parallel							
0.0-		HOT MIX ASPHALT - 75 mm thick, fair condition		- -						
_	8 9 9 9 8 8 9 8 9 8 8	CONCRETE - 400 mm thick, good condition		! ! !						
0.5-	6, 3, 6,	20 mm GRANULAR BASE - 50 mm thick, gravel and sand		 	•					
-		CLAY FILL - dark brown, trace gravel, trace sand	ı		\					
1.0-			•	 						
1.5- - - -		CLAY - dark brown, moist, firm to stiff, high plasticity - brown below 2.1 m - some silt seams below 2.5 m	i							
2.0-			ı	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•					
2.5- - - -										
3.0-				 	/					
-	- -	SILT - tan, moist, soft, low plasticity				1				
3.5-	-	Frozen to a depth of 0.9 m below grade. End of testhole at 3.5 m below grade.		!						



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Date Drilled: January 21, 2004 Depth of Testhole: 3.5 m

Logged by: Robert Hochkievich

Testhole Location: Centre lane, 6 m south of 389 Main St. front door

Subsurface Profile			Laboratory Testing							
Depth (m)	Symbol	Description	PL 0		%) LL 00 125	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	
0.0-		Ground Surface HOT MIX ASPHALT - 155 mm thick, good condition	 							
0.5- 	9700.9	CONCRETE - 160 mm thick, good condition 20 mm GRANULAR BASE - 75 mm thick, gravel and sand CLAY FILL - dark brown, trace gravel, trace sand		•						
1.0-		CLAY - dark brown, moist, firm to stiff, high plasticity								
1.5-		- brown below 2.0 m				0.0	6.2	14.5	79.3	
2.0-										
2.5										
3.0-		SILT - tan, moist to wet, soft, low plasticity								
3.5-		Frozen to a depth of 0.9 m below grade. End of testhole at 3.5 m below grade.								