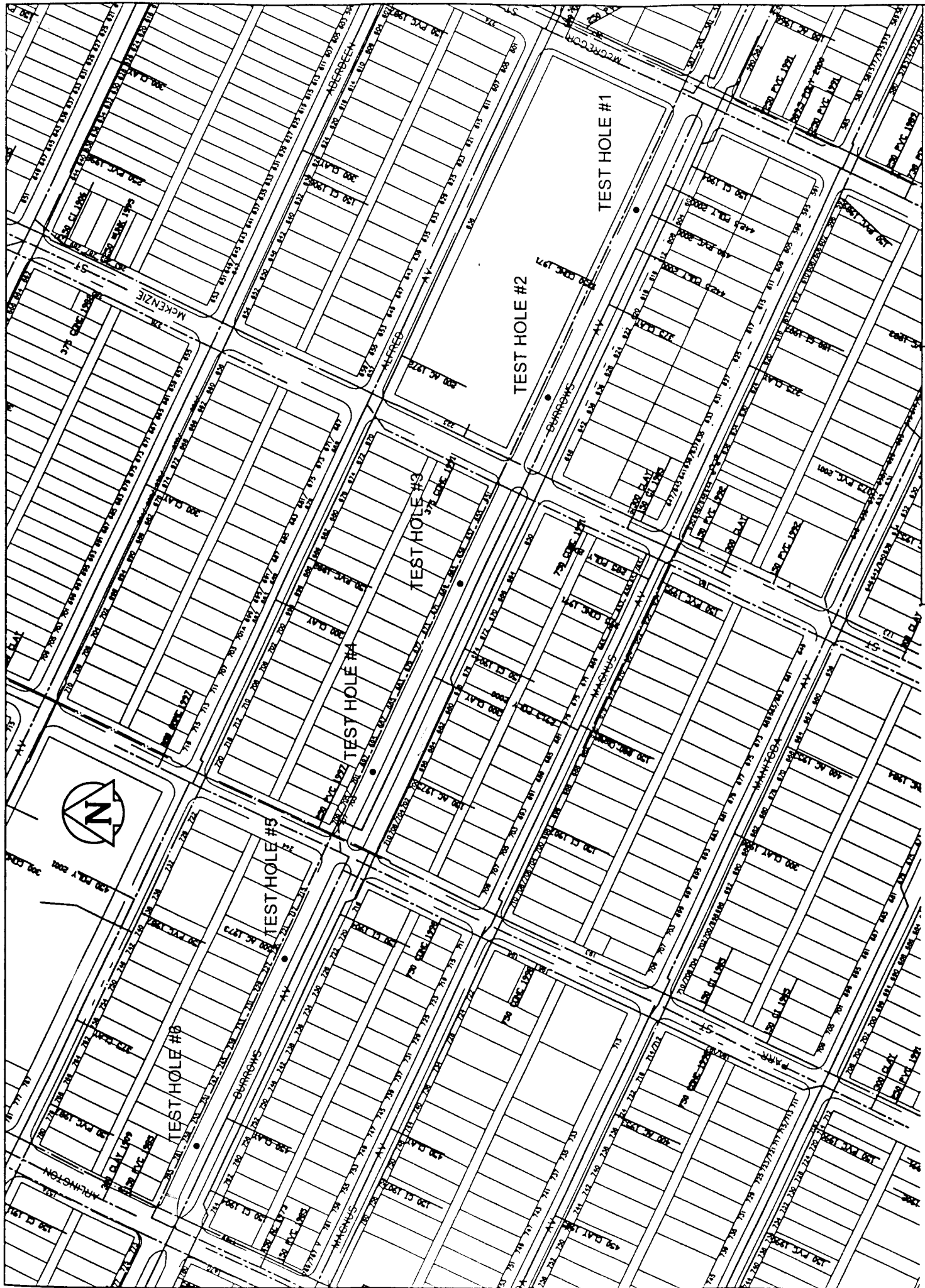


# **APPENDIX A- TEST LOGS**

- Location
- Summary of Results
- Test Logs



THE CITY OF WINNIPEG  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION  
 TECHNOLOGY SERVICES BRANCH  
 108 - 1155 PACIFIC AVE



2004 RESIDENTIAL STREET RENEWAL PROGRAM  
 TEST HOLE LOCATION SKETCH - BURROWS AV W/B  
 (MCGREGOR ST - ARLINGTON ST)

SEWER  
 WATER

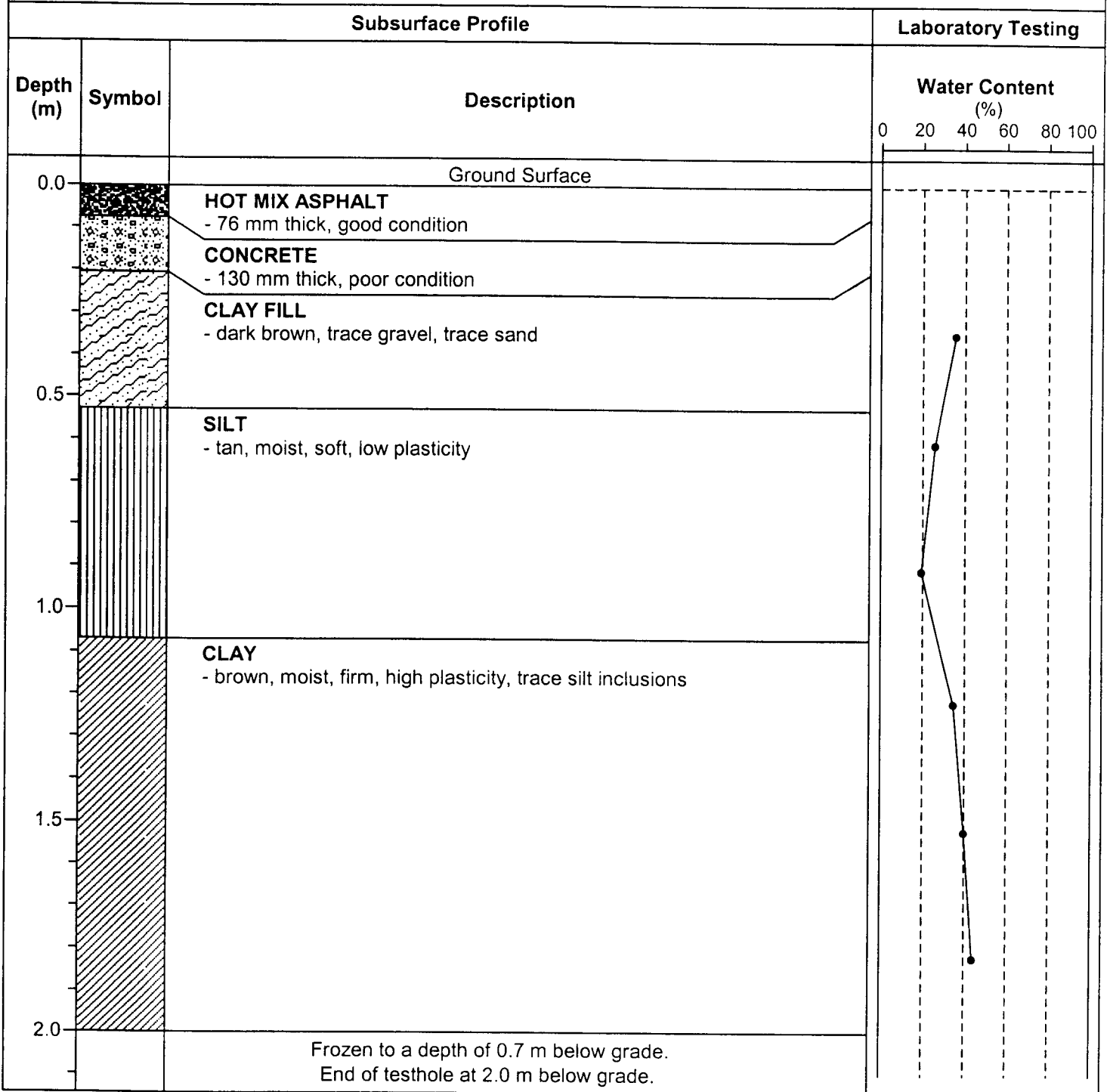


# TESTHOLE 119-1



Project Name: 2004 City of Winnipeg Street Renewal Program  
 Client: UMA Engineering Ltd.  
 Site: Burrows Avenue W/B  
 Testhole Location: 1.5 m S of curb, 3.5 m W of 608 Burrows Ave. east house line

Date Drilled: December 22, 2003  
 Depth of Testhole: 2.0 m  
 Logged by: Robert Hochkievich



# TESTHOLE 119-2



Project Name: 2004 City of Winnipeg Street Renewal Program  
 Client: UMA Engineering Ltd.  
 Site: Burrows Avenue W/B  
 Testhole Location: 1.5 m S of curb, 3.5 m E of 642 Burrows Ave. west house line

Date Drilled: December 22, 2003  
 Depth of Testhole: 2.0 m  
 Logged by: Robert Hochkievich

Subsurface Profile			Laboratory Testing					
Depth (m)	Symbol	Description	Moisture Content (%)		Gravel (%)	Sand (%)	Silt (%)	Clay (%)
			PL	LL				
0.0		Ground Surface						
		<b>HOT MIX ASPHALT</b> - 39 mm thick, good condition						
		<b>CONCRETE</b> - 96 mm thick, poor condition						
		<b>20 mm GRANULAR BASE</b> - 50 mm thick, sand and gravel						
		<b>CLAY FILL</b> - dark brown, trace gravel, trace sand						
0.5		<b>SILT</b> - tan, moist, soft, low plasticity						
1.0		<b>CLAY</b> - brown, moist, firm, high plasticity, trace silt inclusions						
1.5								
2.0								
		Frozen to a depth of 0.7 m below grade. End of testhole at 2.0 m below grade.						
					0.0	0.8	10.1	89.1

# TESTHOLE 119-3



Project Name: 2004 City of Winnipeg Street Renewal Program

Date Drilled: December 22, 2003

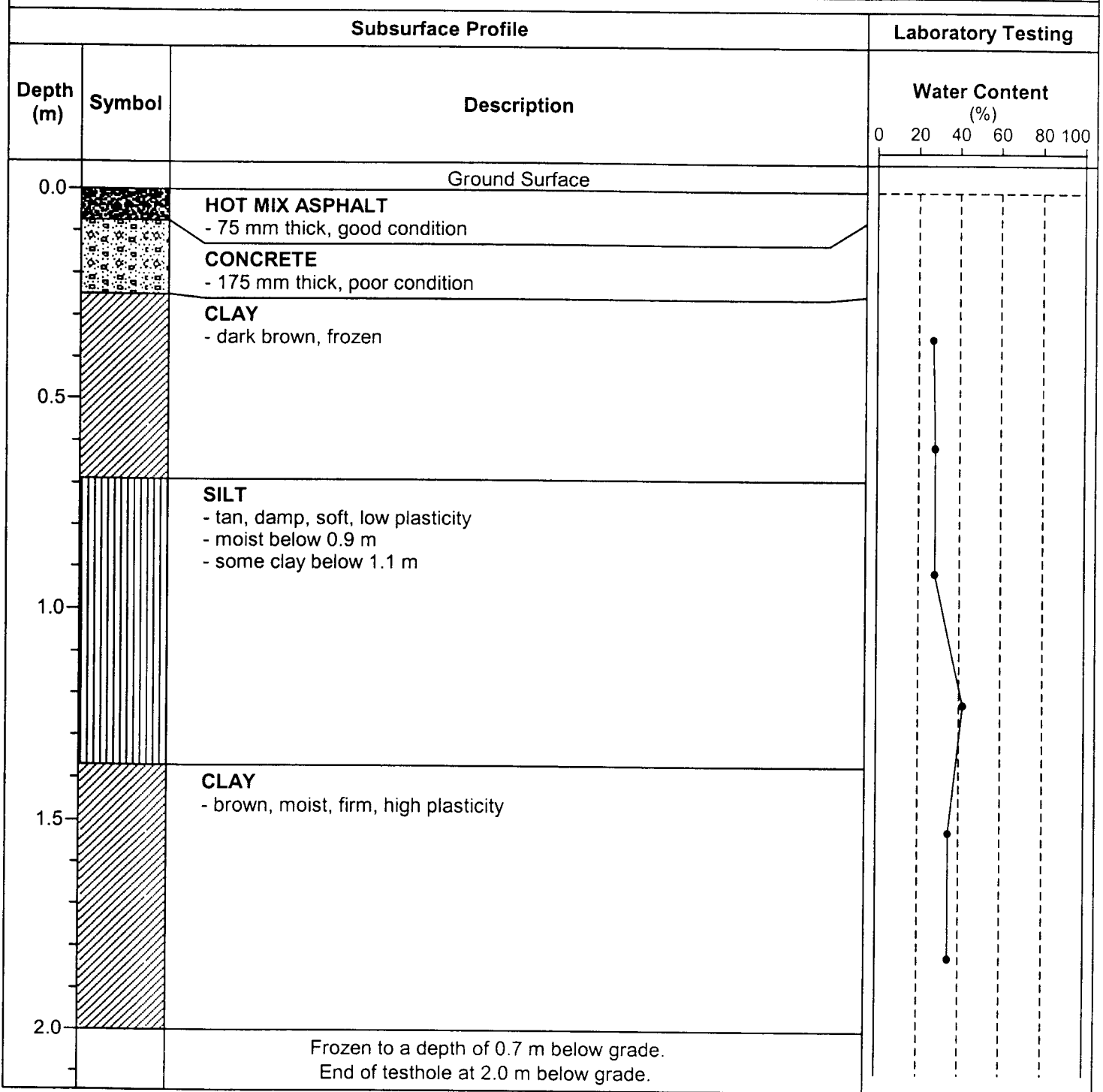
Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Burrows Avenue W/B

Logged by: Robert Hochkievich

Testhole Location: 1.5 m S of curb, 2.5 m E of 665 Burrows Ave. west house line



# TESTHOLE 119-4



Project Name: 2004 City of Winnipeg Street Renewal Program

Date Drilled: December 22, 2003

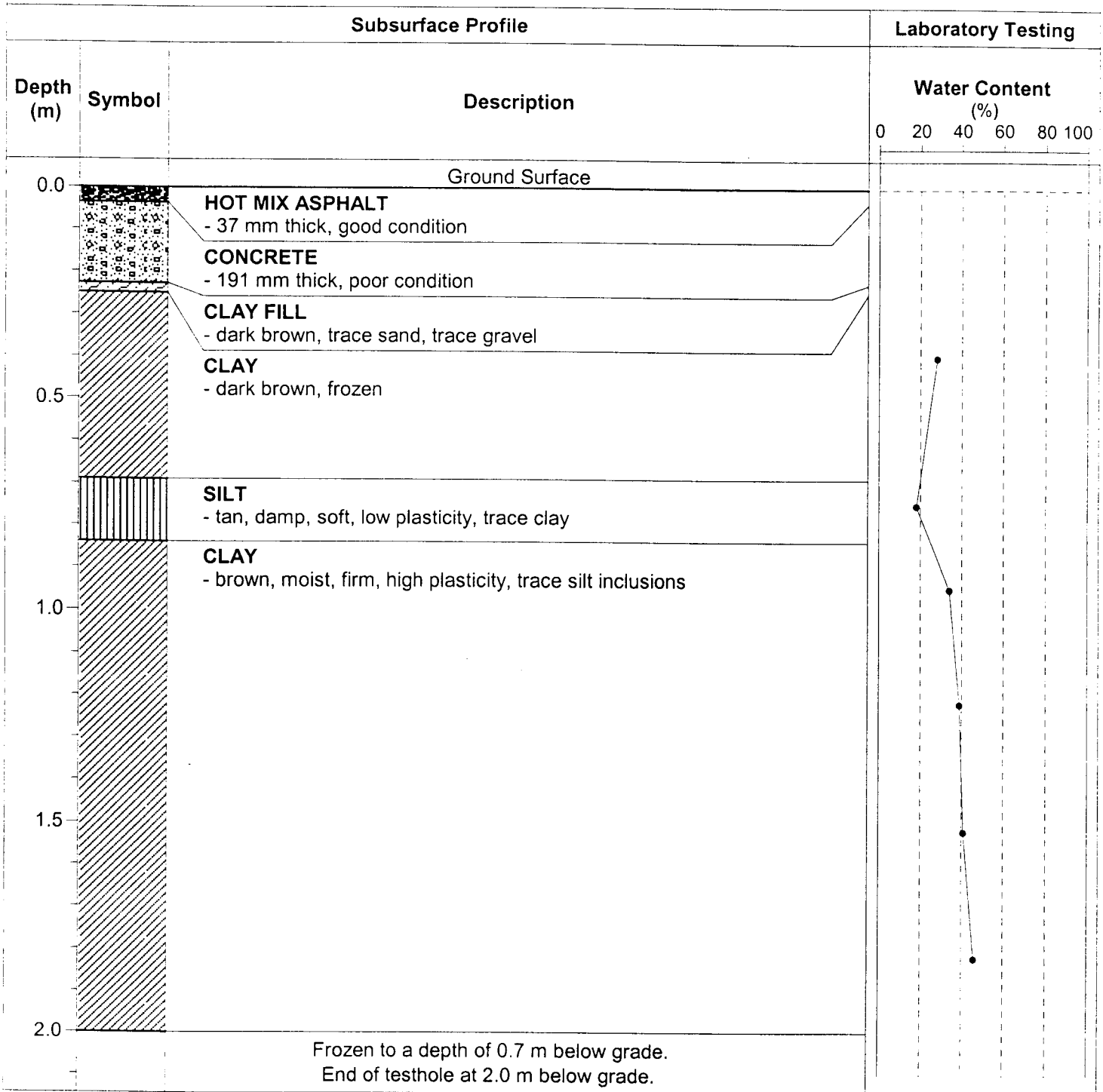
Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Burrows Avenue W/B

Logged by: Robert Hochkievich

Testhole Location: 1.5 m S of curb, 1.5 m E of 697 Burrows Ave. west house line



# TESTHOLE 119-5



Project Name: 2004 City of Winnipeg Street Renewal Program

Date Drilled: December 22, 2003

Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Burrows Avenue W/B

Logged by: Robert Hochkievich

Testhole Location: 1.5 m S of curb, 1.5 m E of 725 Burrows Ave. west house line

