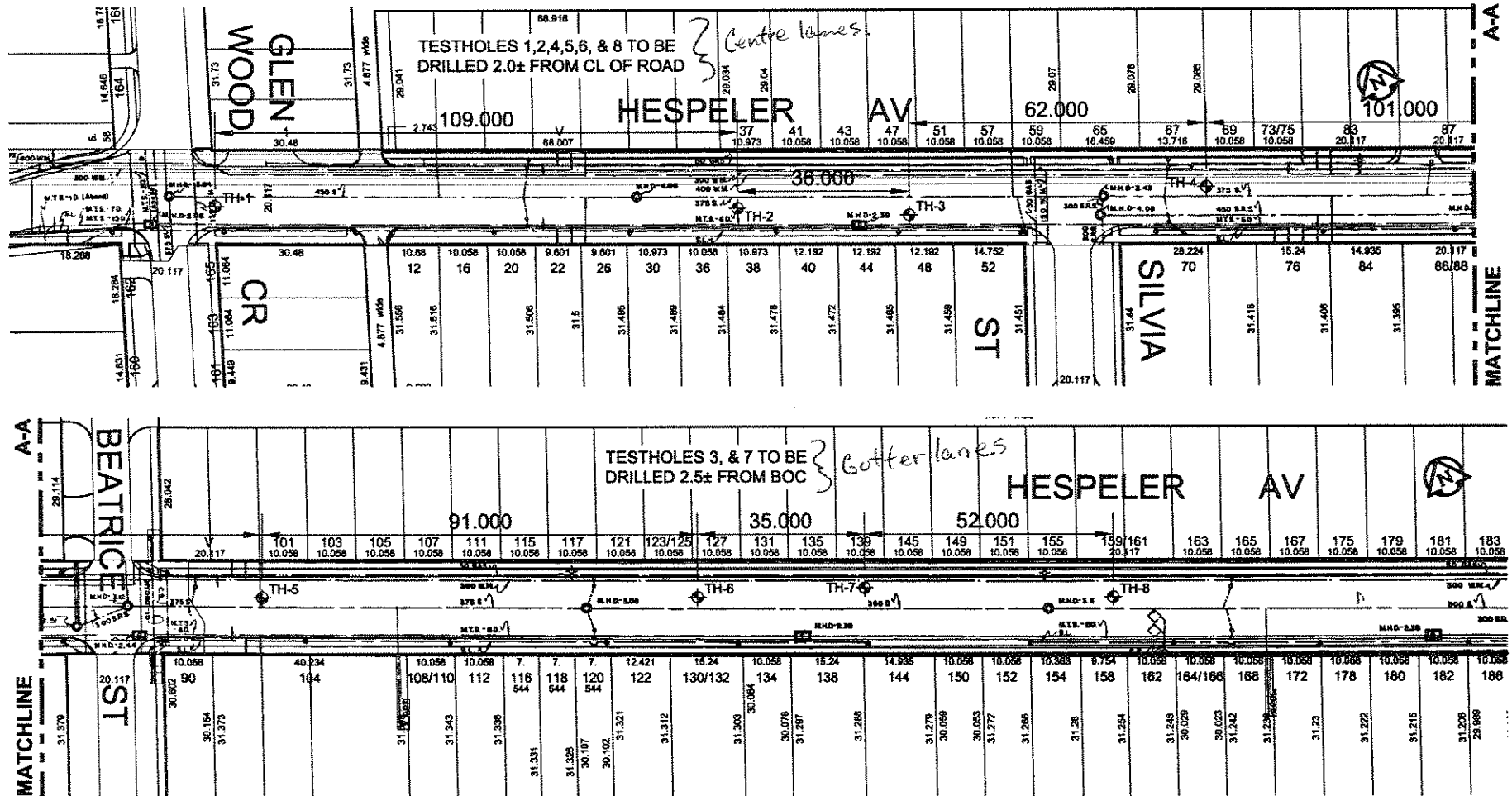


HESPELER AVENUE

GLENWOOD CRESCENT TO 175 WEST OF HENDERSON HWY

2006 STREET RENEWAL PROGRAM

GEOTECHNICAL INVESTIGATION



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**

TESTHOLE TH1



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

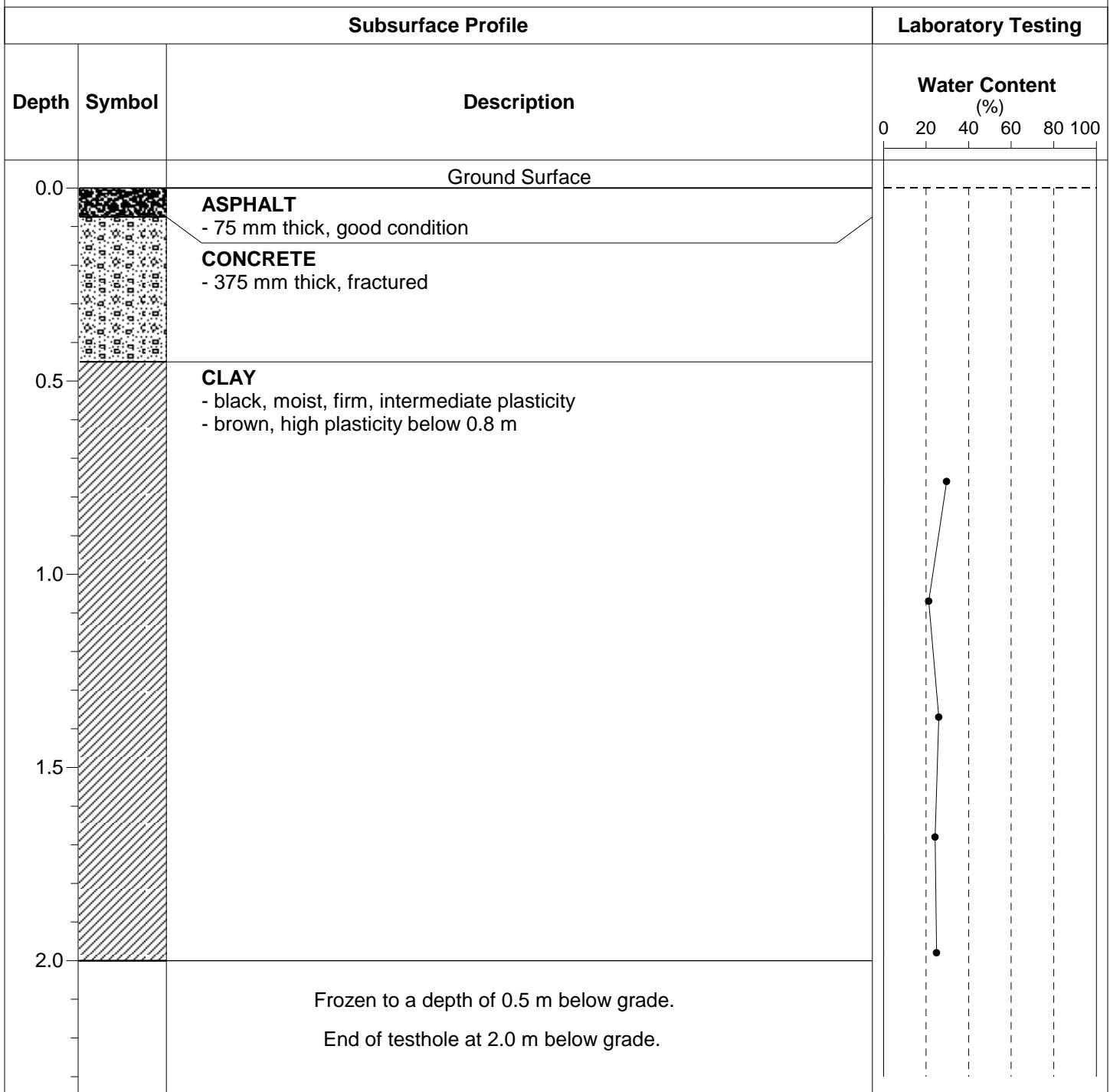
Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 165 Glenwood Cres., 8.7 m N, 11.0 m W of NW building corner



TESTHOLE TH2



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

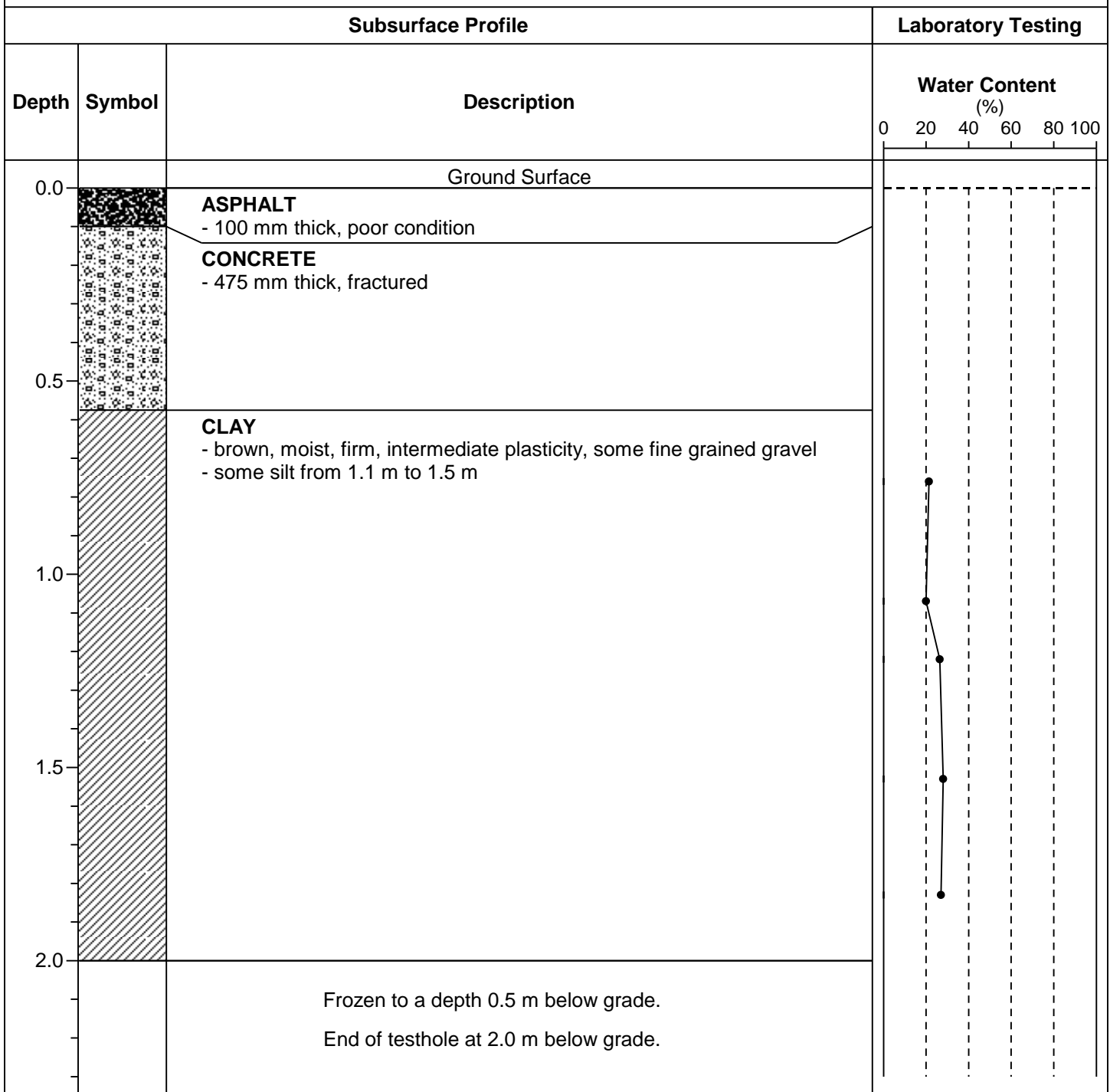
Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 38 Hespeler Ave., 1.7 m E of W building line, 1.5 m S of centreline



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	LL						
0.0		Ground Surface								
		ASPHALT - 100 mm thick, fractured								
		CONCRETE - 200 mm thick, good condition								
		GRANULAR BASE - 19 mm maximum particle size, brown, with clay								
0.5		CLAY - brown - moist, firm, intermediate plasticity, with silt below 0.8 m - some fine grained sand 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.					0.0	21.5	25.8	52.7

TESTHOLE TH4



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

Client: UMA Engineering Ltd.

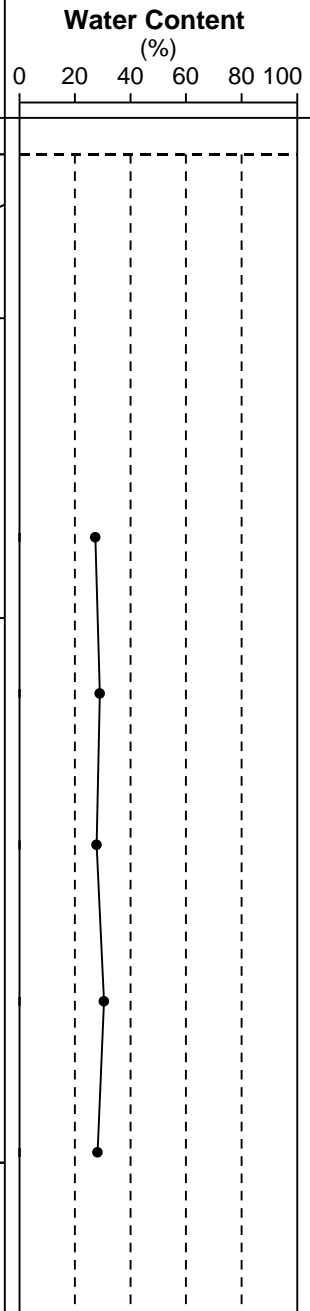
Depth of Testhole: 2.0 m

Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 69 Hespeler Ave., 1.5 m W of west building line, 1.5 m N of centreline

Subsurface Profile			Laboratory Testing
Depth	Symbol	Description	Water Content (%)
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

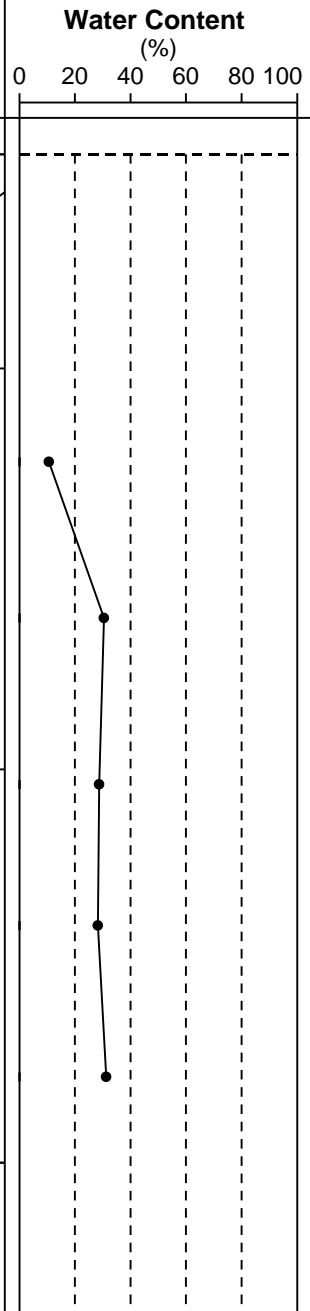
Depth of Testhole: 2.0 m

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
Depth	Symbol	Description	Water Content (%)
Ground Surface			
0.0		ASPHALT - 75 mm thick, good condition	
		CONCRETE - 350 mm thick, good condition	
0.5		CLAY FILL - brown, moist, firm, high plasticity, with fine to coarse grained gravel	
1.0			
1.5		CLAY - brown, moist, firm, high plasticity	
2.0			
Frozen to a depth of 0.5 m below grade. End of testhole at 2.0 m below grade.			



TESTHOLE TH6



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

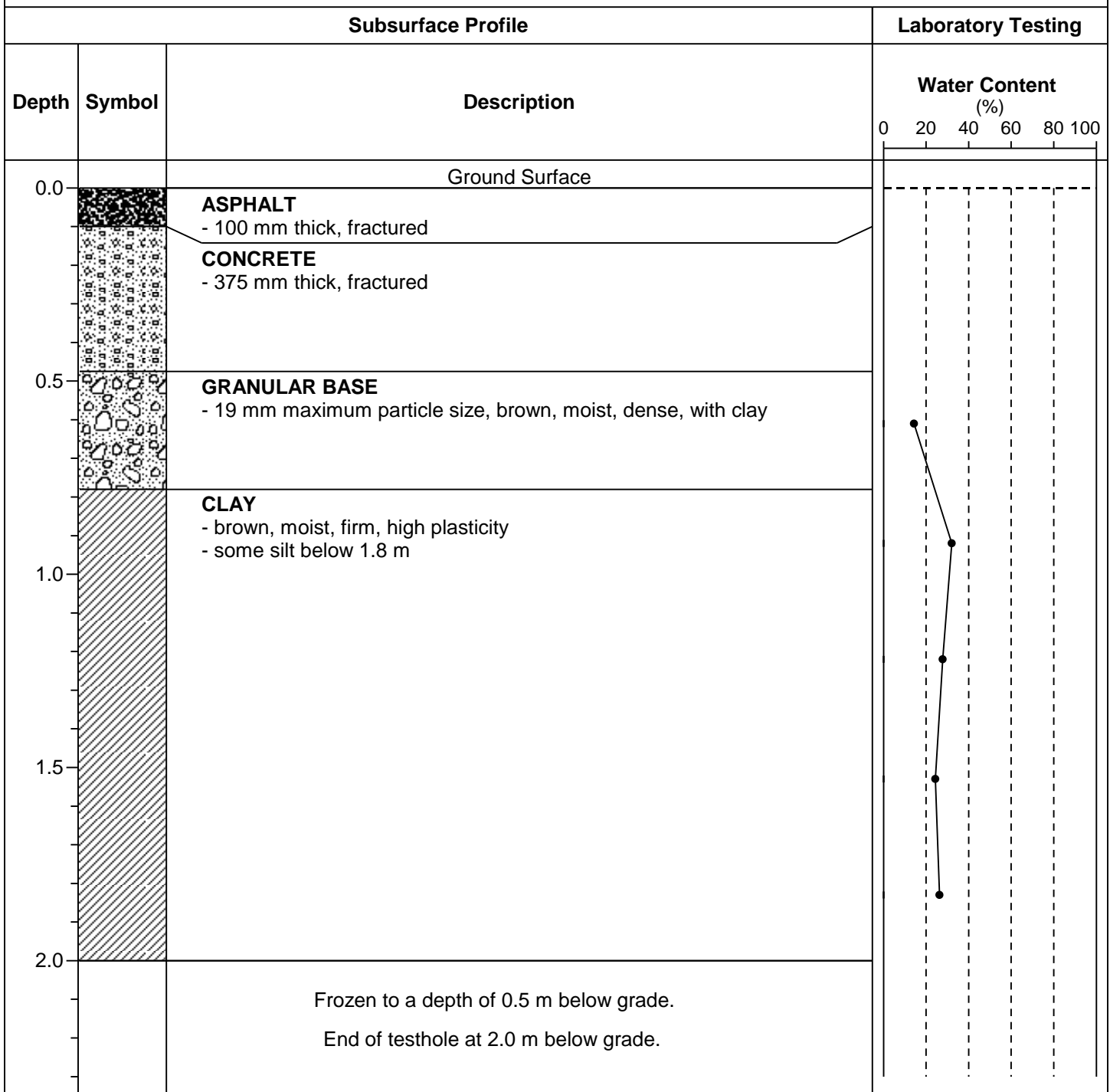
Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 127 Hespeler Ave., 1.6 m E of west building line, 1.4 m N of centreline



TESTHOLE TH7



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

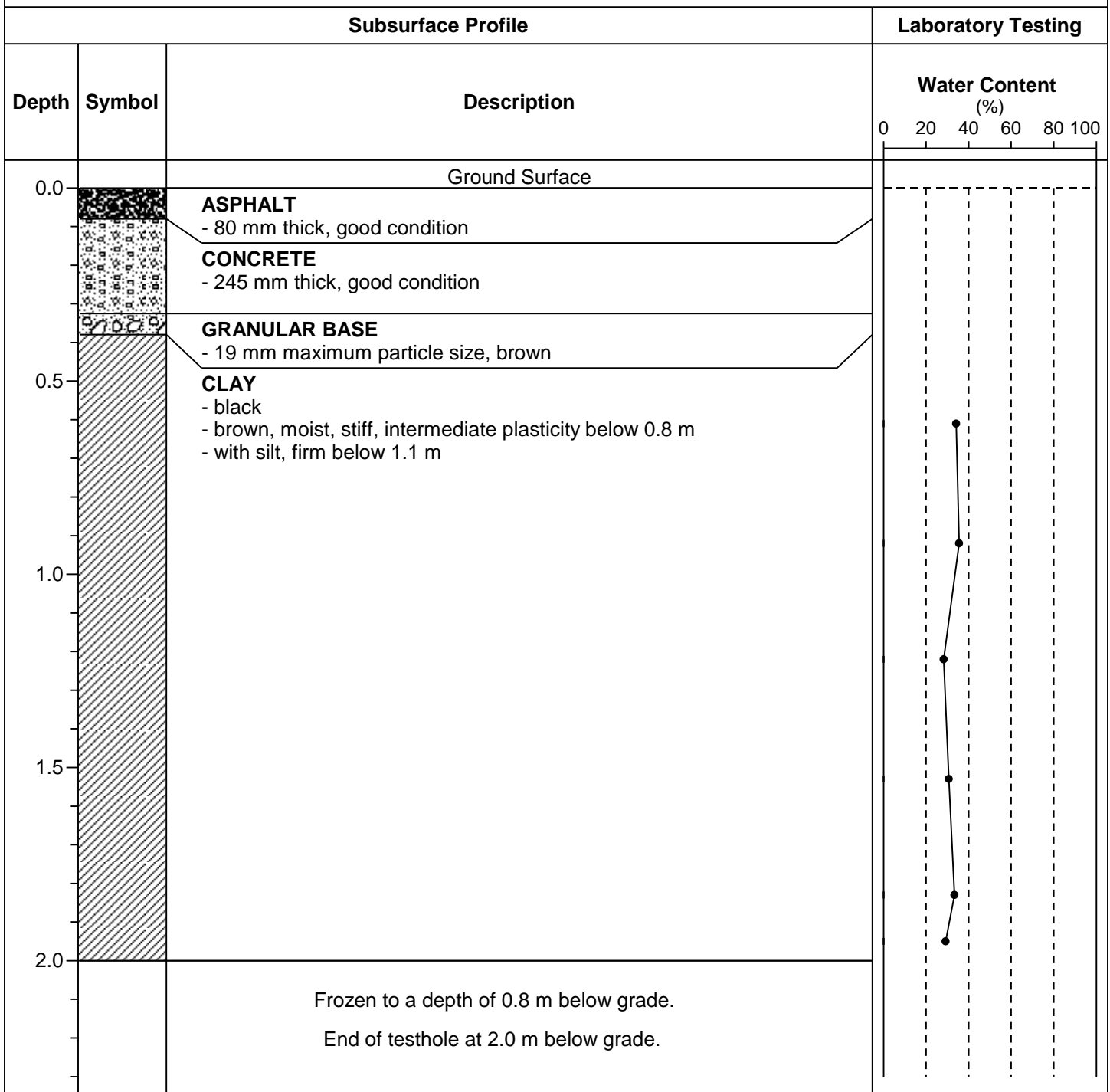
Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 138 Hespeler Ave., 0.3 m W of east building line, 2.0 m S of curb



TESTHOLE TH8



Project Name: 2006 City of Winnipeg Streets Reconstruction

Date Drilled: January 17, 2006

Client: UMA Engineering Ltd.

Depth of Testhole: 2.0 m

Site: Hespeler Avenue

Logged by: Robert Brown

Testhole Location: 159 Hespeler Ave., 7 m W of east building line, 1.6 m N of centreline

