

APPENDIX A
TEST HOLE LOGS

APPENDIX A TEST HOLE LOGS

The following test hole logs are provided to aid in the Contractor's evaluation of site conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in 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 in soil conditions and variations in groundwater levels may not become evident until construction.

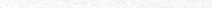


McPHILLIPS STREET S/B
MAPLE GLEN DRIVE TO MACHRAY STREET

2004 STREET RENEWAL PROGRAM

GEOTECHNICAL INVESTIGATION



SEWER 
 WATER 

2004 REGIONAL STREET RENEWAL PROGRAM

TESTHOLE LOCATION SKETCH - MCPHILLIPS ST
 (MACHIRAY AV - MAPLEGLLEN DR)
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THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION
 TECHNOLOGY SERVICES BRANCH
 106 - 1155 PACIFIC AVE



SEWER
WATER

2004 REGIONAL STREET RENEWAL PROGRAM

TESTHOLE LOCATION SKETCH - MCPHILLIPS ST
(MAGRAYS AV - MAPLEOLEN DR)
PAGE 2 OF 2



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
TECHNOLOGY SERVICES BRANCH
106 - 1188 PACIFIC AVE

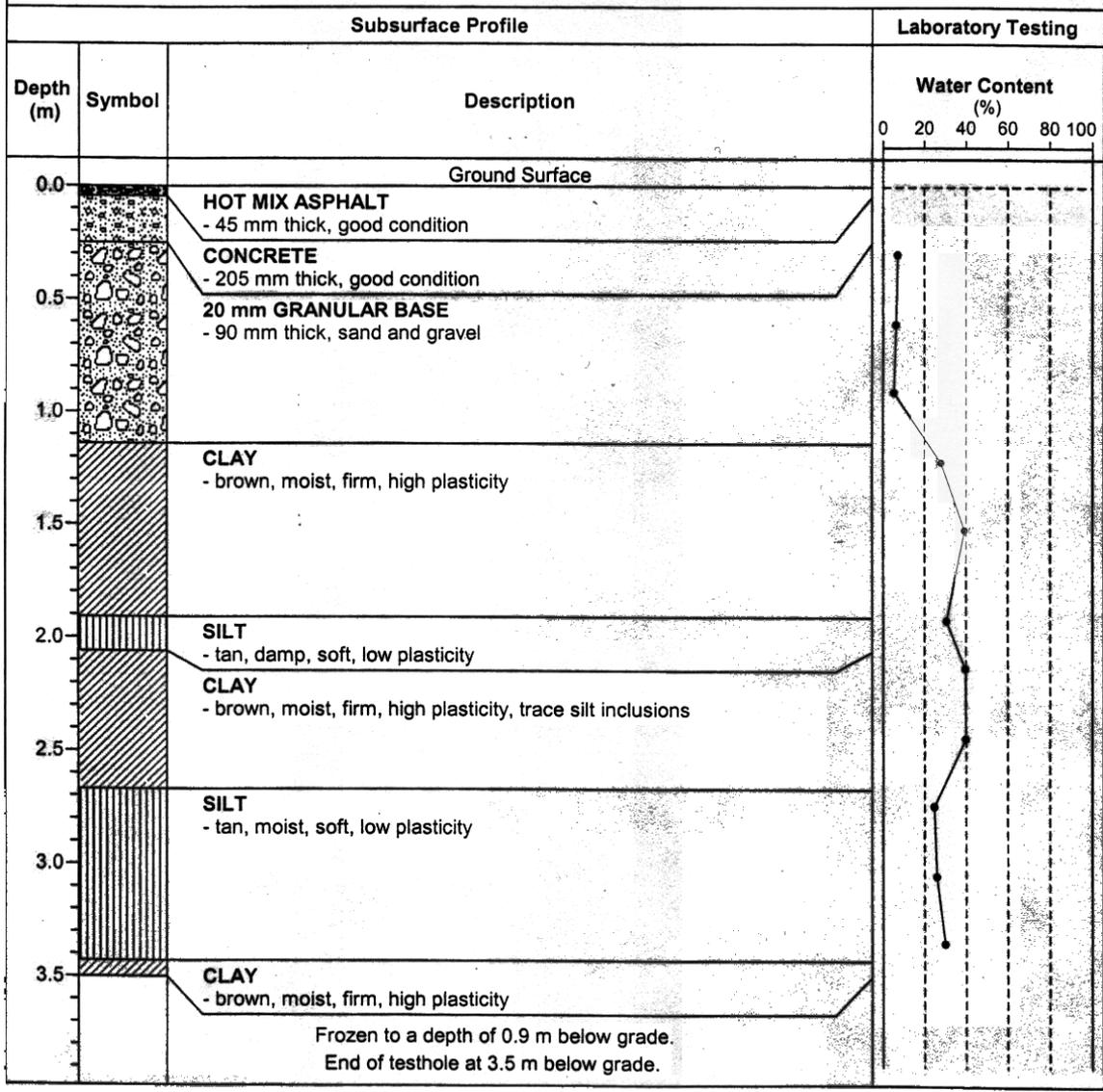
City of Winnipeg
2004 Street Renewal Program
Geotechnical Investigation

Testhole No.	Testhole Location	Pavement Surface		Pavement Structure Material		Sample Description	Sample Depth (m)	Moisture Content (%)	Particle Size Analysis				Atterberg Limits			
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Limit	
1	McPhillips St. S/B	Asphalt/Concrete	45/205	Granular	875											
2	McPhillips St. S/B	Asphalt/Concrete	90/205	Granular	100	Silt	1.8	22.1	1.2	4.5	72.0	22.3	23	17	6	
3	McPhillips St. S/B	Asphalt/Concrete	60/195	Granular	870											
4	McPhillips St. S/B	Asphalt/Concrete	50/225	Granular	400											
5	McPhillips St. S/B	Asphalt/Concrete	35/225	Granular	865											
6	McPhillips St. S/B	Asphalt/Concrete	70/210	Granular	245	Clay	1.8	39.2	0.0	1.2	6.0	92.8	96	25	71	

TESTHOLE 115-1



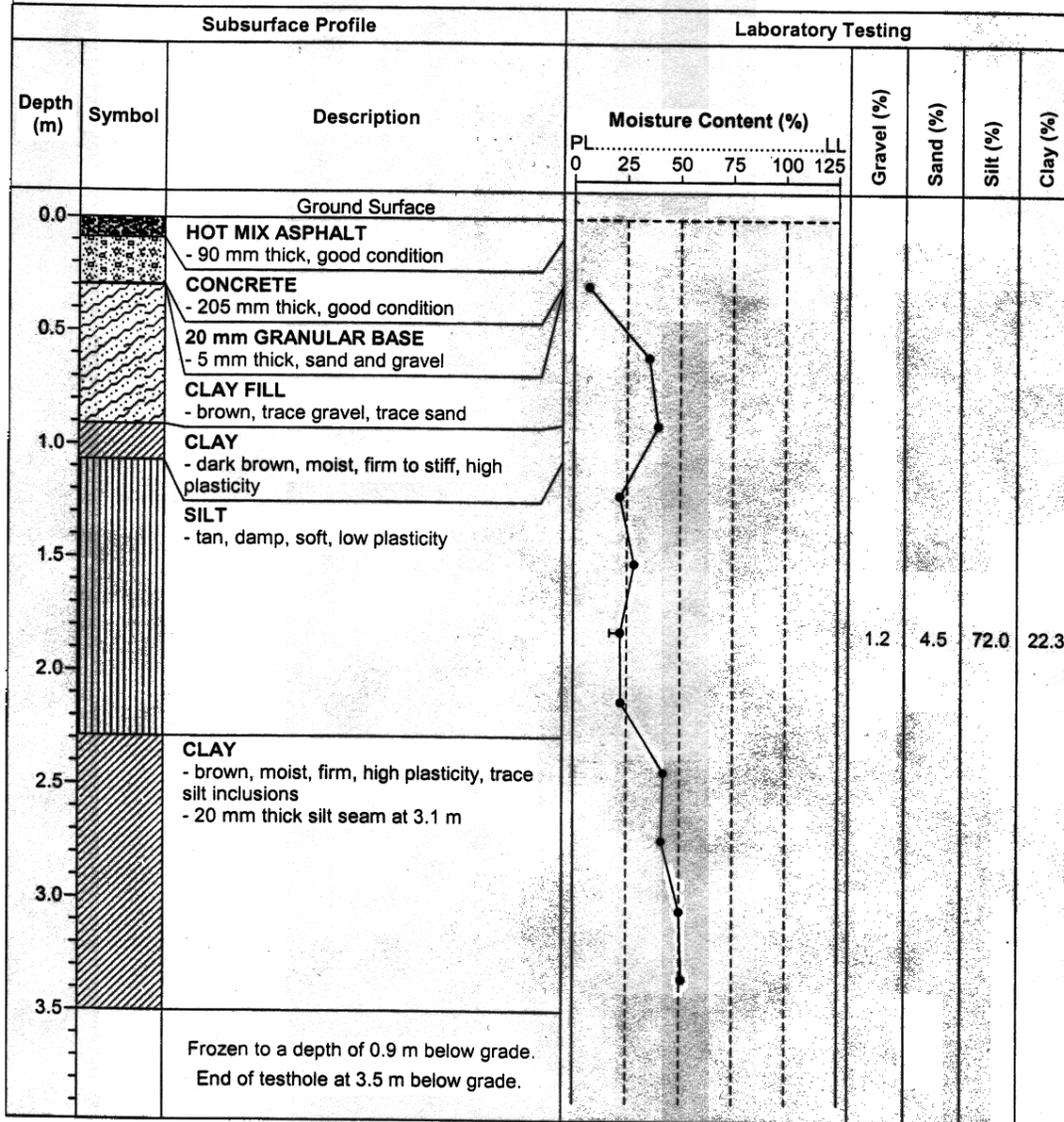
Project Name: 2004 City of Winnipeg Street Renewal Program **Date Drilled:** January 16, 2004
Client: UMA Engineering Ltd. **Depth of Testhole:** 3.5 m
Site: McPhillips Street S/B **Logged by:** Robert Hochkievich
Testhole Location: 1.5 m W of meridian curb, in line with 1371 McPhillips St. south building line



TESTHOLE 115-2



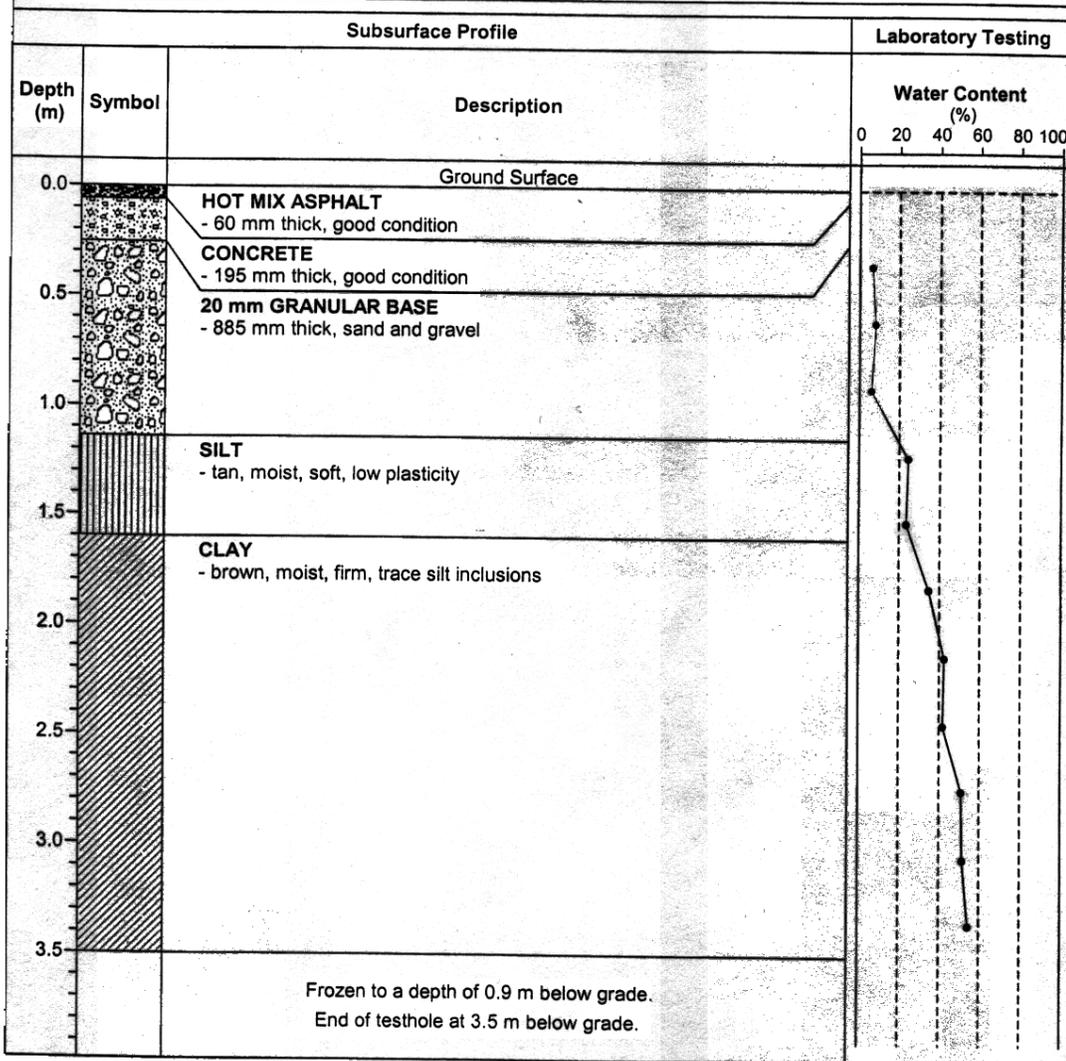
Project Name: 2004 City of Winnipeg Street Renewal Program **Date Drilled:** January 16, 2004
Client: UMA Engineering Ltd. **Depth of Testhole:** 3.5 m
Site: McPhillips Street S/B **Logged by:** Robert Hochkievich
Testhole Location: In line with centre line, centered with 1330 McPhillips St. building



TESTHOLE 115-3



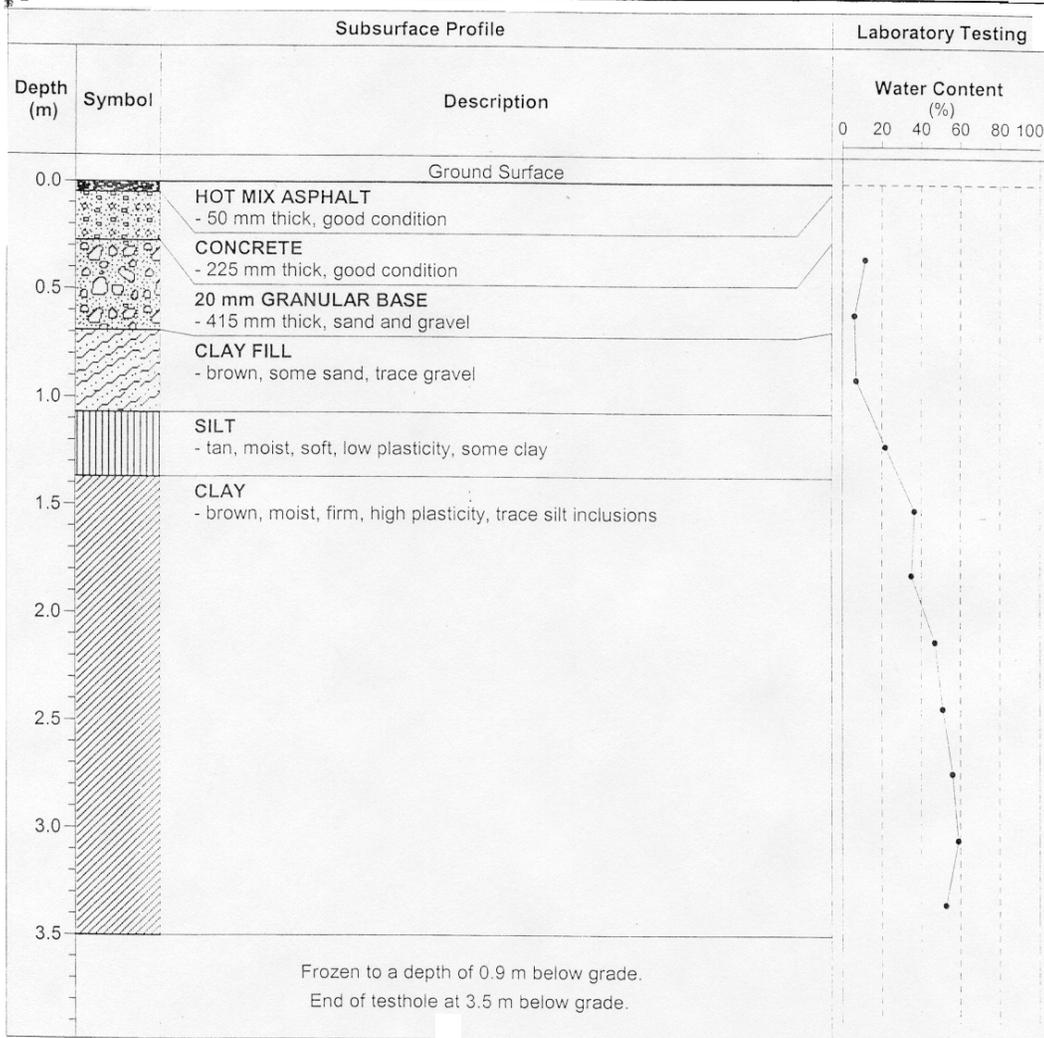
Project Name: 2004 City of Winnipeg Street Renewal Program **Date Drilled:** January 16, 2004
Client: UMA Engineering Ltd. **Depth of Testhole:** 3.5 m
Site: McPhillips Street S/B **Logged by:** Robert Hochkievich
Testhole Location: 1.6 m W of median curb, in line with 1301 McPhillips St. south building line



TESTHOLE 115-4



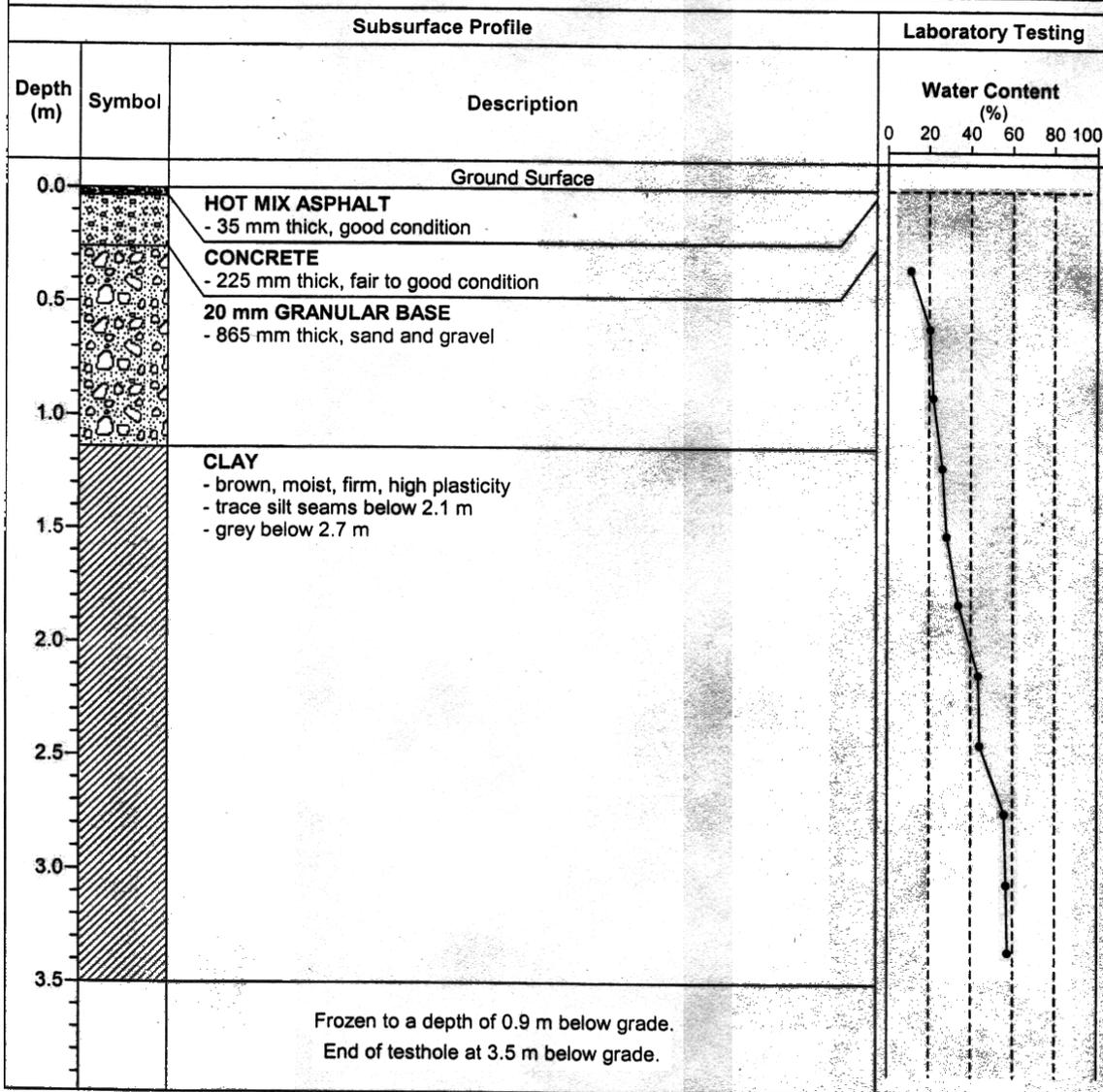
Project Name: 2004 City of Winnipeg Street Renewal Program **Date Drilled:** January 16, 2004
Client: UMA Engineering Ltd. **Depth of Testhole:** 3.5 m
Site: McPhillips Street S/B **Logged by:** Robert Hochkievich
Testhole Location: 1.5 m W of median curb, 7 m N of 1180 McPhillips St. south building line



TESTHOLE 115-5



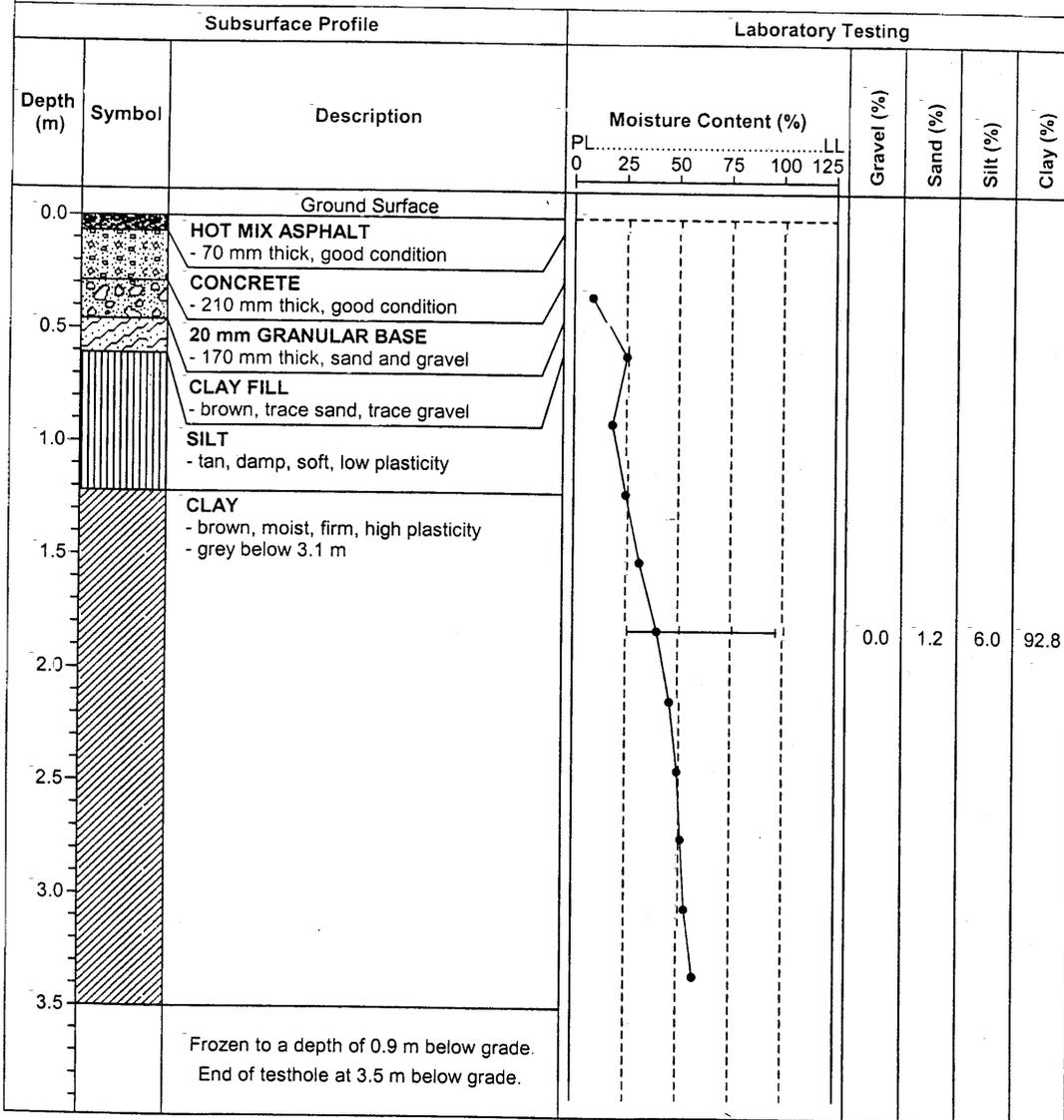
Project Name: 2004 City of Winnipeg Street Renewal Program **Date Drilled:** January 16, 2004
Client: UMA Engineering Ltd. **Depth of Testhole:** 3.5 m
Site: McPhillips Street S/B **Logged by:** Robert Hochkievich
Testhole Location: 1.6 m W of median curb, 2 m N of 1136 McPhillips St. south building line



TESTHOLE 115-6



Project Name: 2004 City of Winnipeg Street Renewal Program Date Drilled: January 16, 2004
 Client: UMA Engineering Ltd. Depth of Testhole: 3.5 m
 Site: McPhillips Street S/B Logged by: Robert Hochkievich
 Testhole Location: In line with S/B lane centre line, 3 m S of school gym south building line

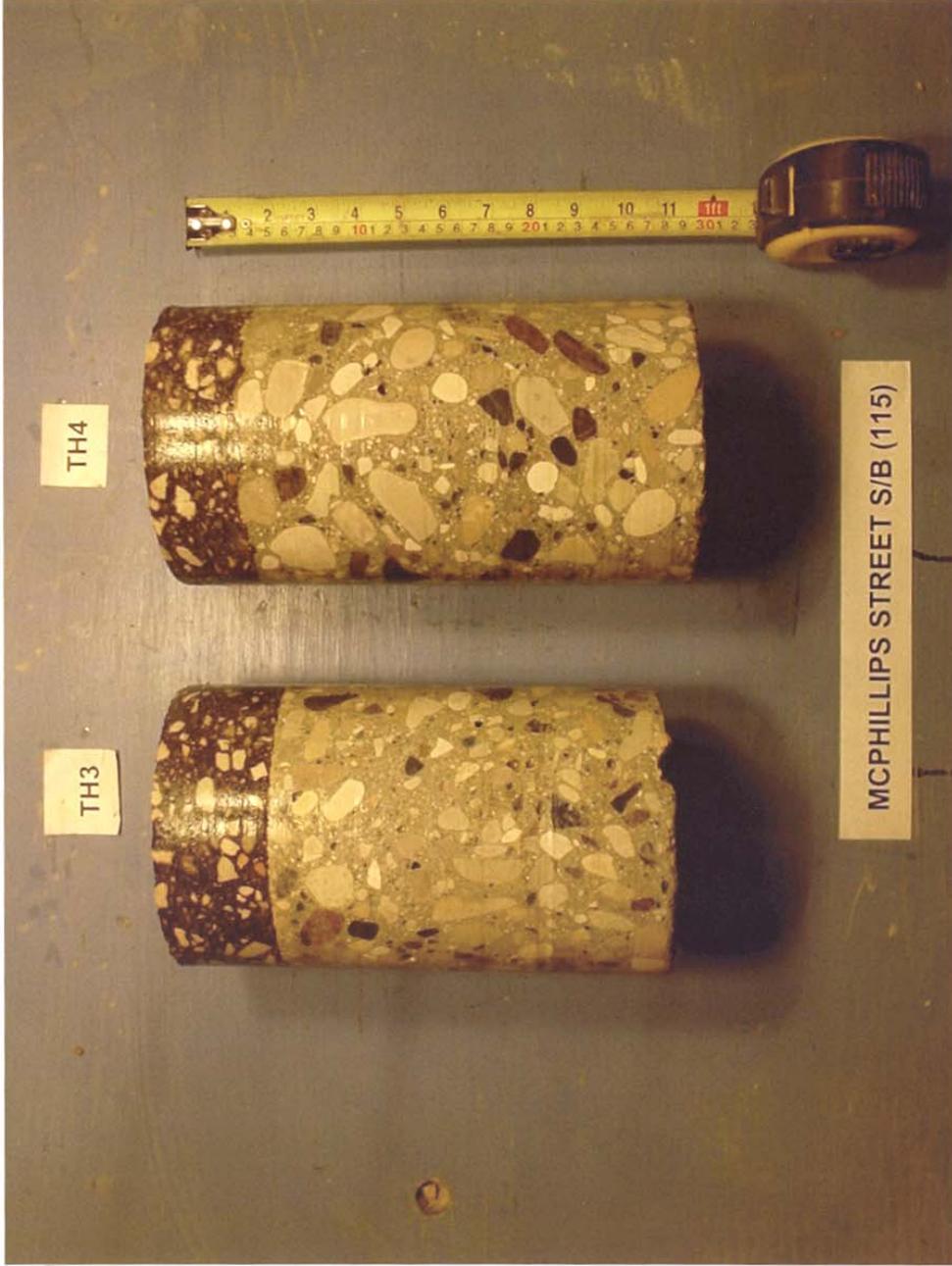




TH2

TH1

MCPHILLIPS STREET S/B (115)



TH4

TH3

MCPHILLIPS STREET S/B (115)



TH6

TH5

MCPHILLIPS STREET S/B (115)