

APPENDIX 'A'

GEOTECHNICAL REPORT

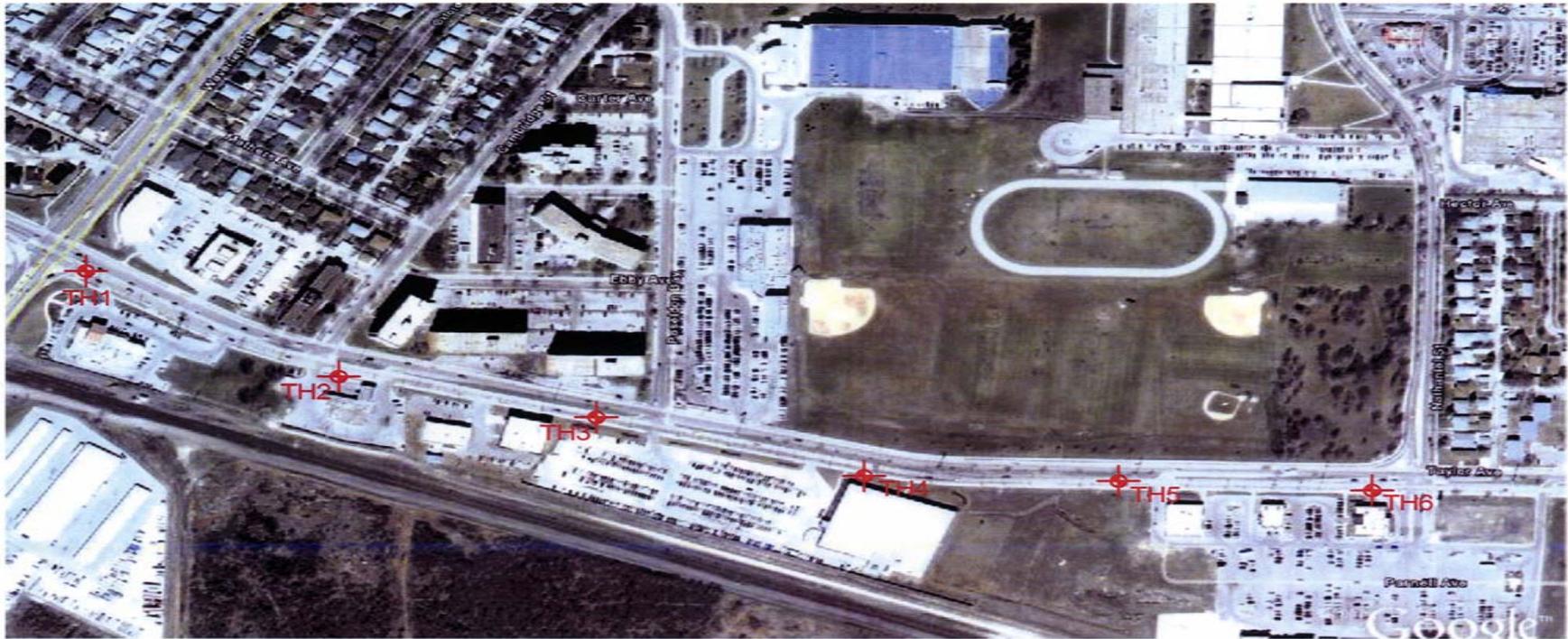
APPENDIX 'A' - GEOTECHNICAL REPORT

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The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure and/or 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 may not become evident until construction commences.

Geotechnical Report for Taylor Avenue



**THE
NATIONAL
TESTING
LABORATORIES
LIMITED**
Established in 1923

Project No. MMM-917

Drawn by: G.L

Figure: 1

Date: Jan 18, 2010

Reviewed by: DF

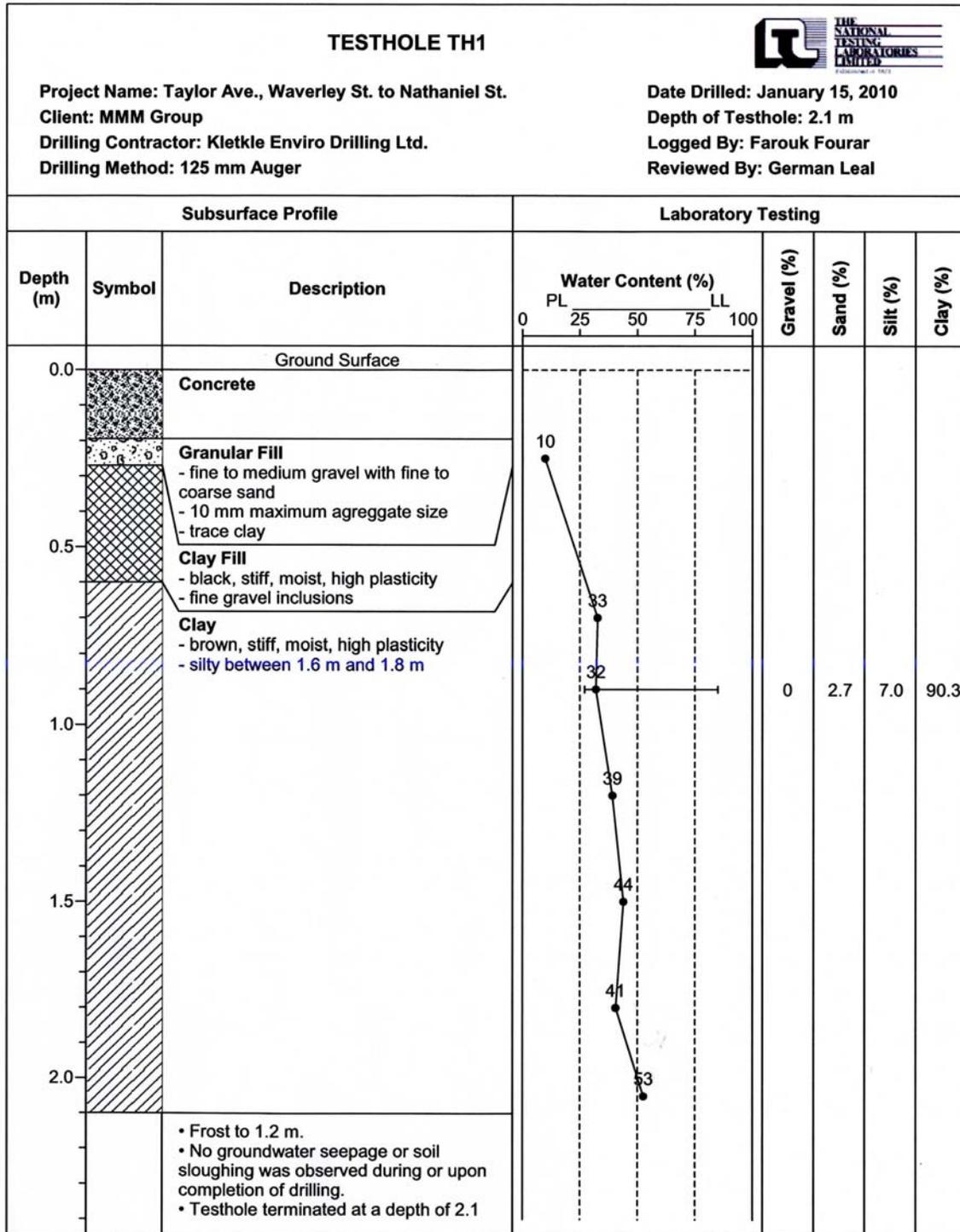
Scale: NTS

Testhole Location Plan
Taylor Ave., Waverley St. to Nathaniel St.
Winnipeg, Manitoba

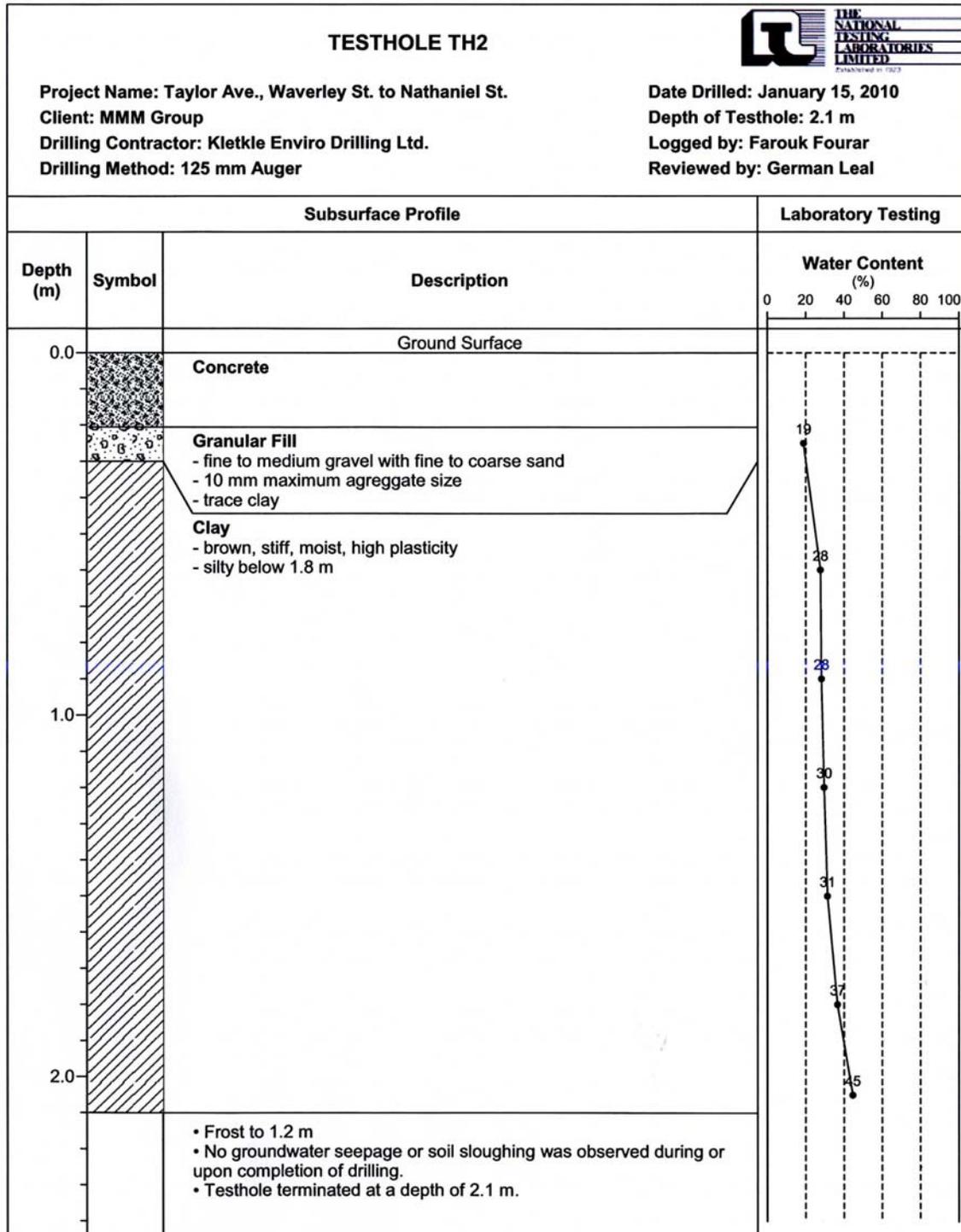
Summary of Core Samples

Testhole ID	Testhole Location	Pavement Surface		Pavement Structure Material		Sample Description	Sample Depth (m)	Moisture Content (%)	Particle Size Analysis				Atterburg Limits		
		Type	Thickness (mm)	Type	Thickness (mm)				Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Liquid Limit	Plastic Limit	Plasticity Index
TH1	East bound median lane 30m East of Waverley Street 1.5m from north curb	Concrete	195	Granular Base	75	Clay	0.9	32.0	0.0	2.7	7.0	90.3	85.0	27.0	58.0
TH2	East bound curb lane 15m east of Cambridge Street 2.5m from south curb	Concrete	205	Granular Base	100	Clay	-	-	-	-	-	-	-	-	-
TH3	East bound median lane 40m west of Poseidon Bay 1.5m from north curb	Concrete	215	Granular Base	100	Clay	-	-	-	-	-	-	-	-	-
TH4	East bound curb lane 130m east of Poseidon Bay 2.5m from south curb	Concrete	190	Granular Base	100	Clay	-	-	-	-	-	-	-	-	-
TH5	East bound median lane 190m west of Nathaniel Street 1.5m from north curb	Concrete	165	Granular Base	280	Clay	-	-	-	-	-	-	-	-	-
TH6	East bound curb lane 10m west of Nathaniel Street 1.5m from south curb	Concrete	225	Granular Base	100	Clayey Silt	1.2	25.0	0.0	2.0	67.3	30.7	28.0	18.0	10.0

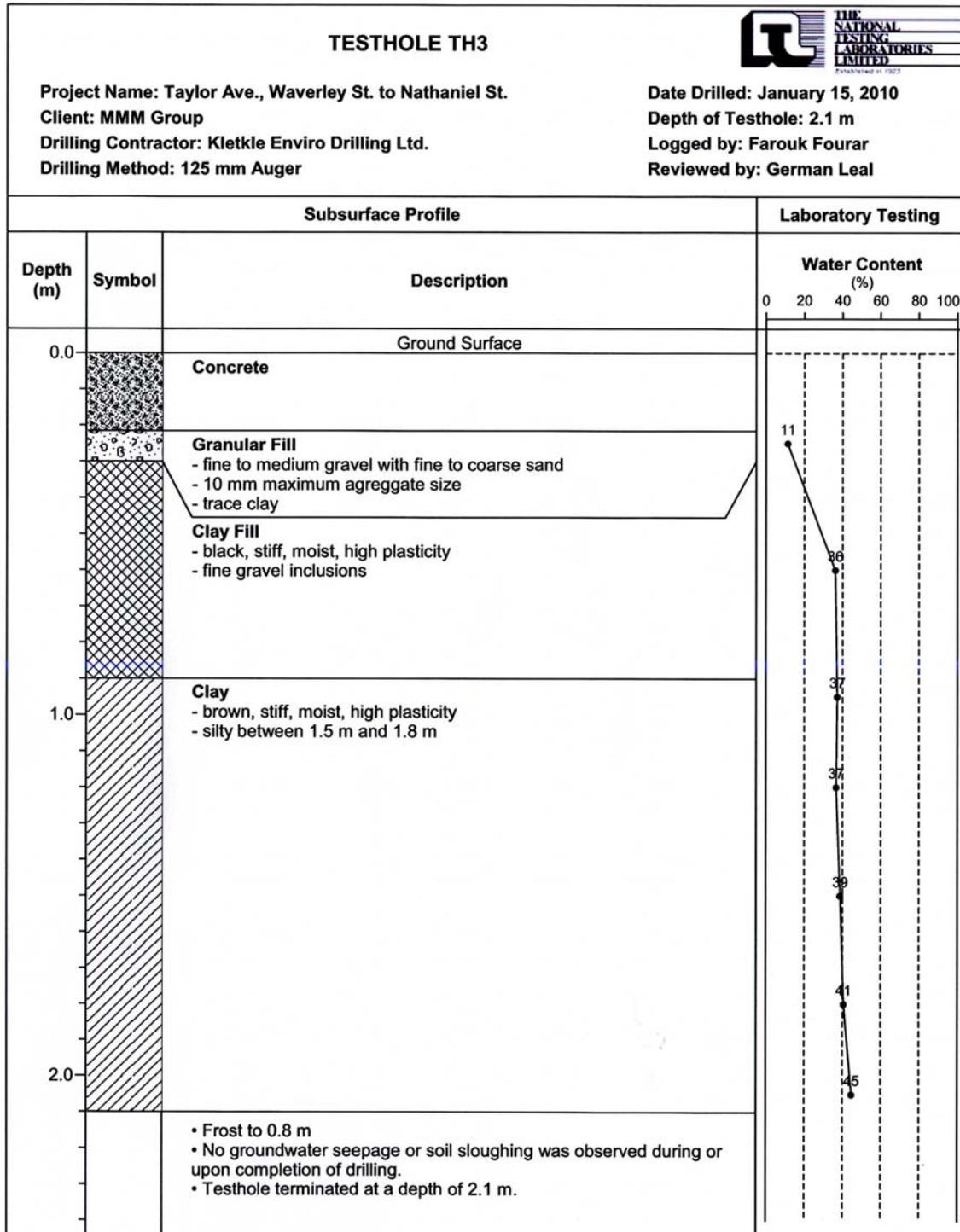
Test Hole Log for TH1



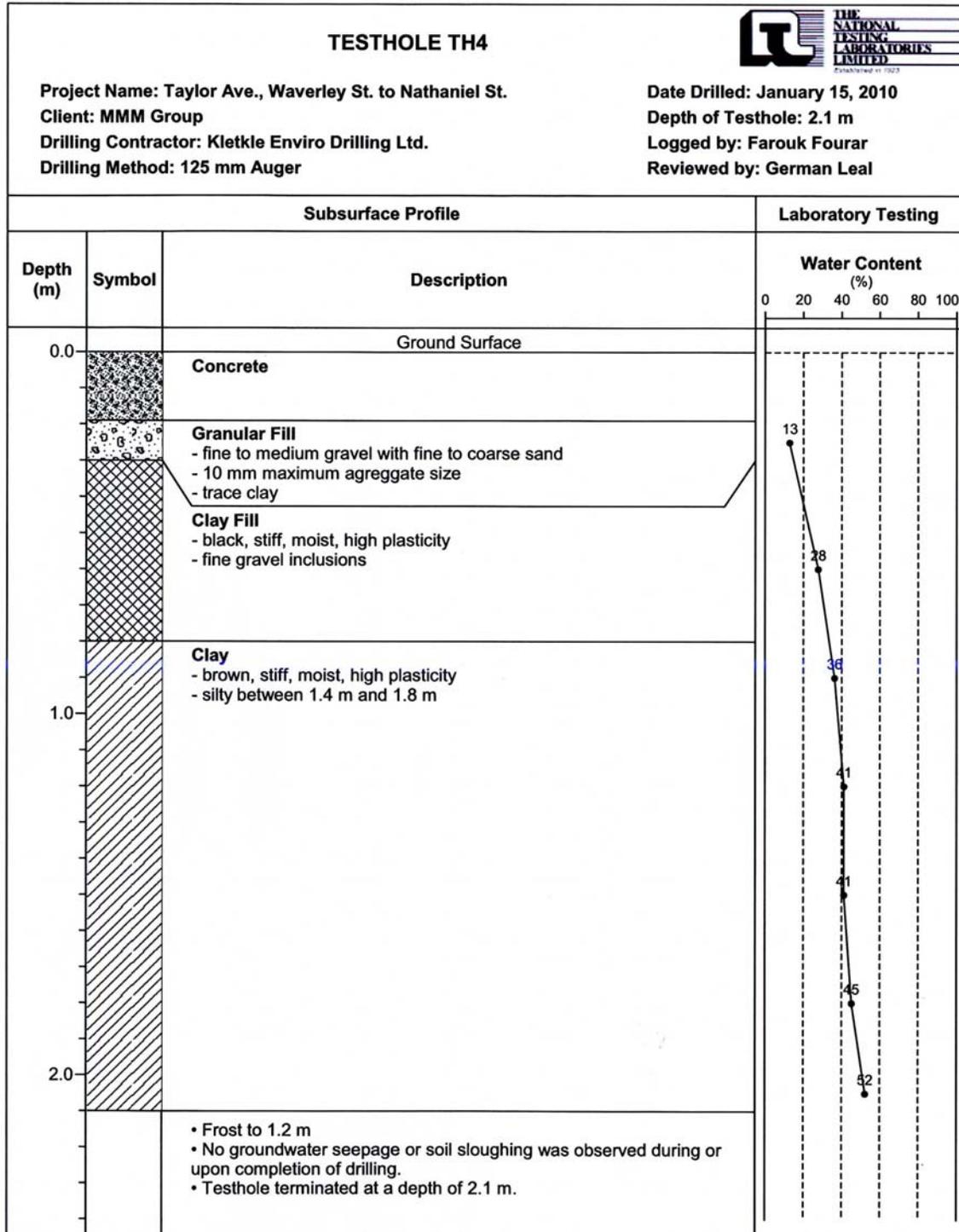
Test Hole Log for TH2



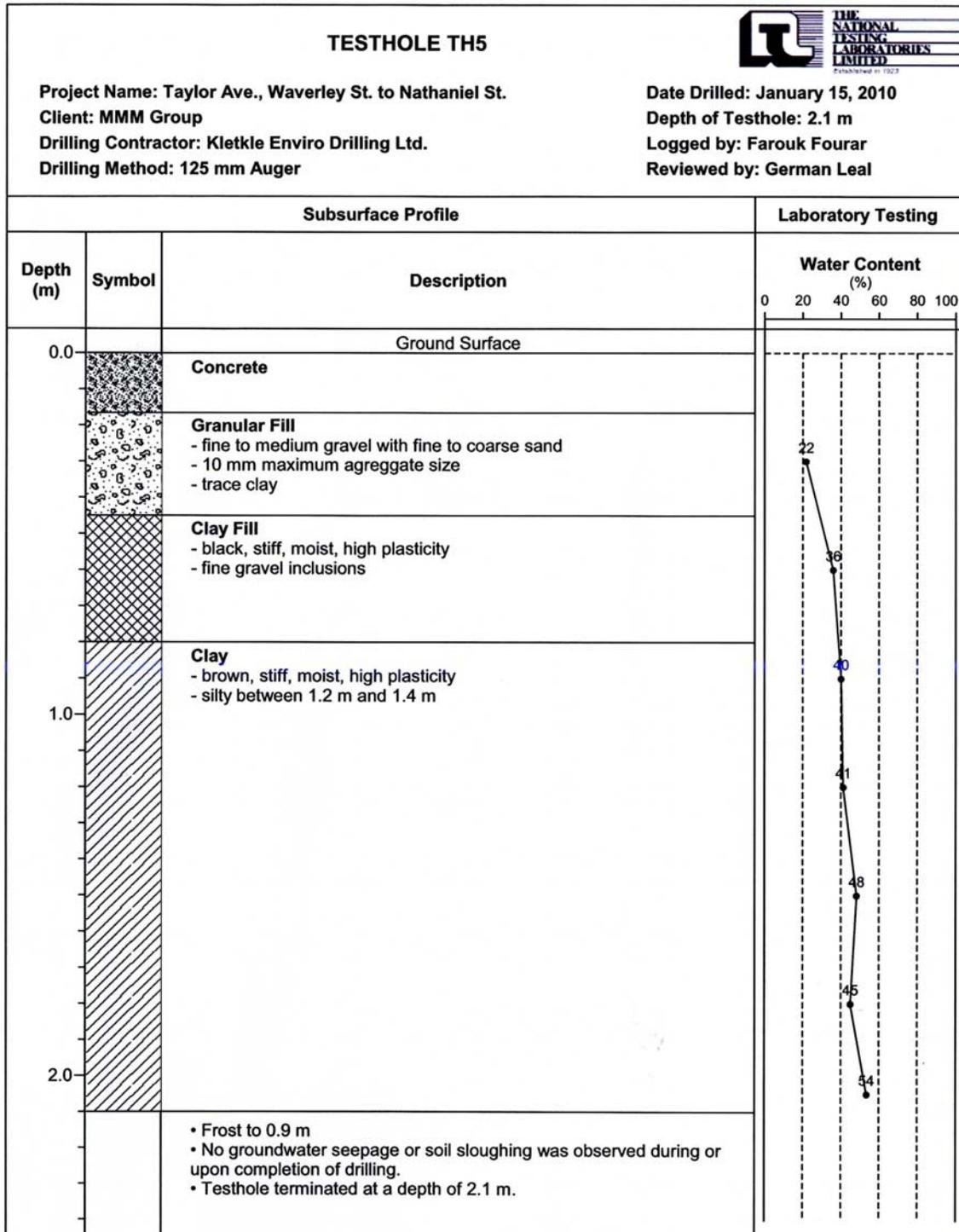
Test Hole Log for TH3



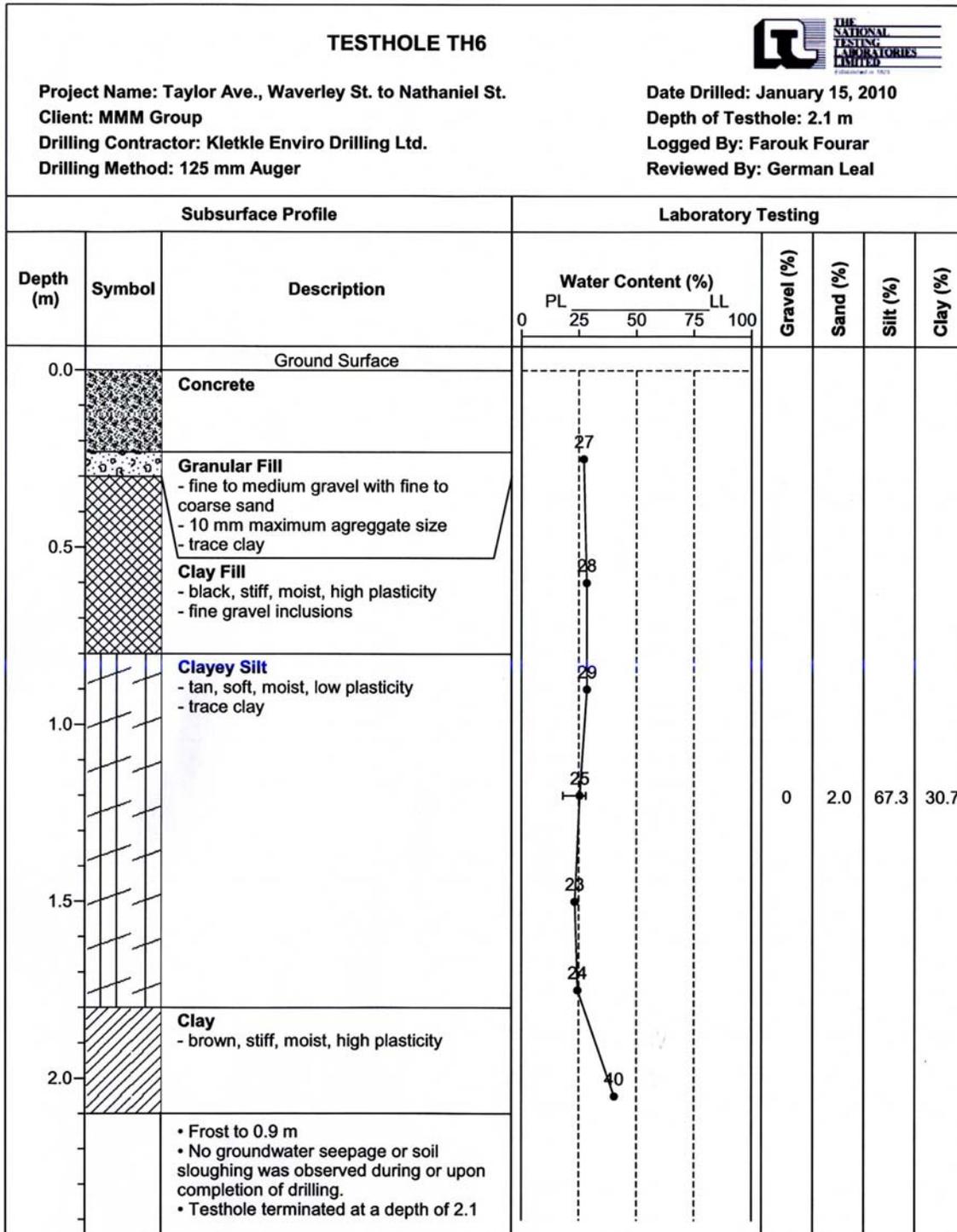
Test Hole Log for TH4



Test Hole Log for TH5



Test Hole Log for TH6



Pavement Core Photos



Core sample from Testhole TH1



Core sample from Testhole TH2



Core sample from Testhole TH3



Core sample from Testhole TH4

Pavement Core Photos



Core sample from Testhole TH5



Core sample from Testhole TH6