

APPENDIX 'A'

GEOTECHNICAL REPORT

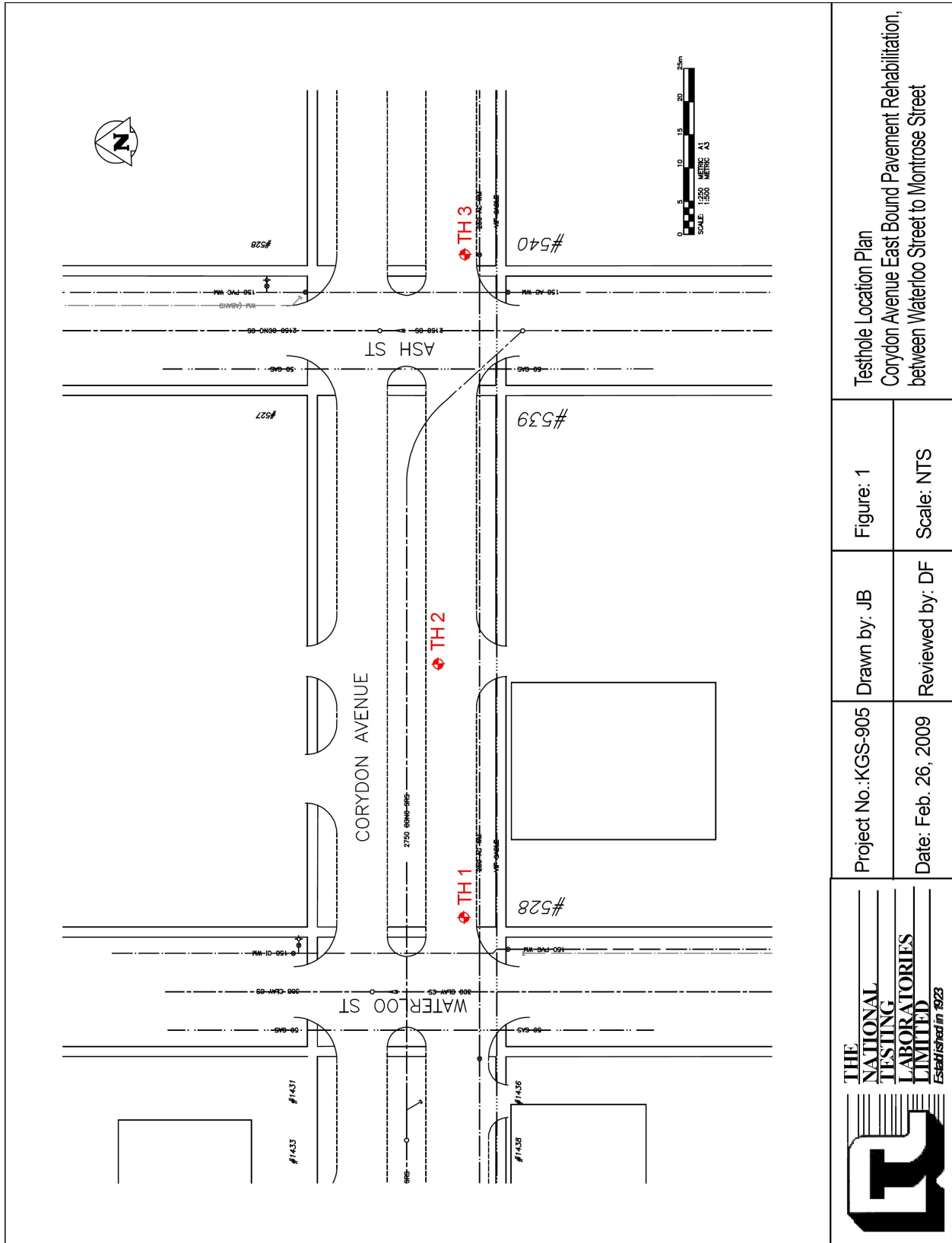
APPENDIX 'A' - GEOTECHNICAL REPORT


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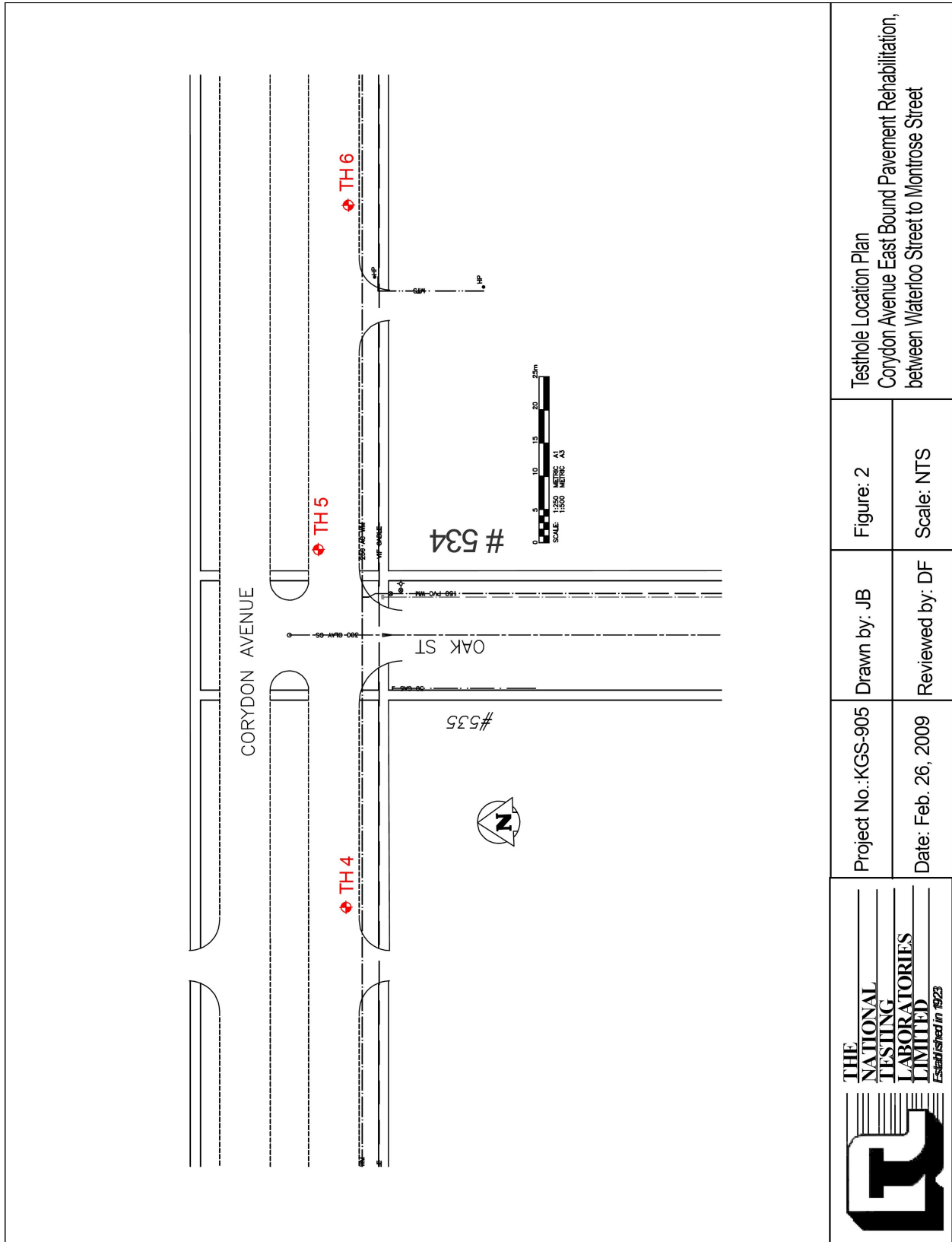
The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure and/or soil 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.

Test Hole Locations Waterloo Street to Ash Street



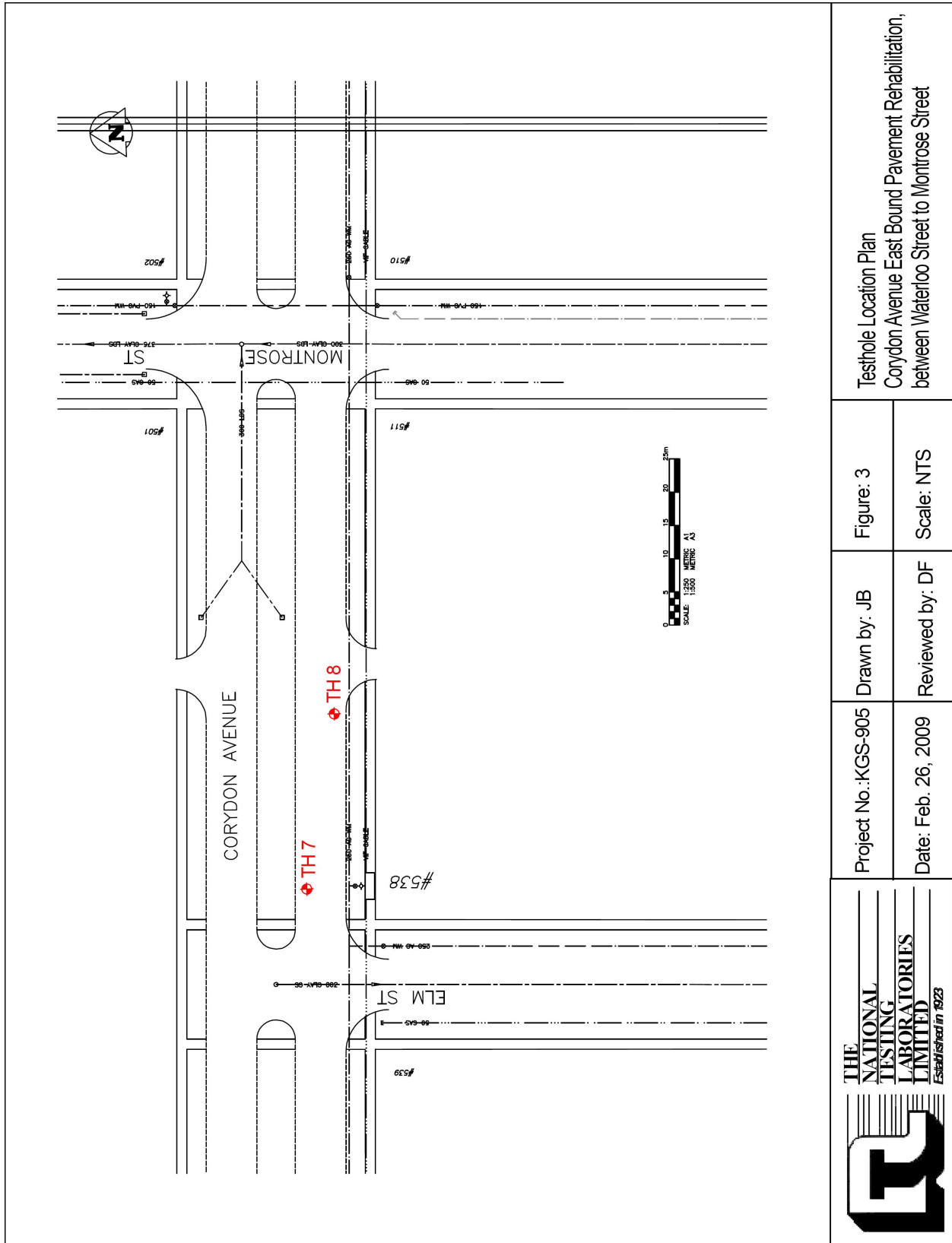
	Project No.: KGS-905	Drawn by: JB	Figure: 1	Testhole Location Plan Corydon Avenue East Bound Pavement Rehabilitation, between Waterloo Street to Montrose Street
	Date: Feb. 26, 2009	Reviewed by: DF	Scale: NTS	

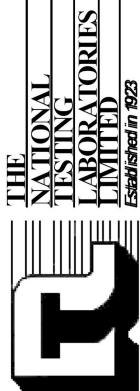
Test Hole Locations Ash Street to Elm Street



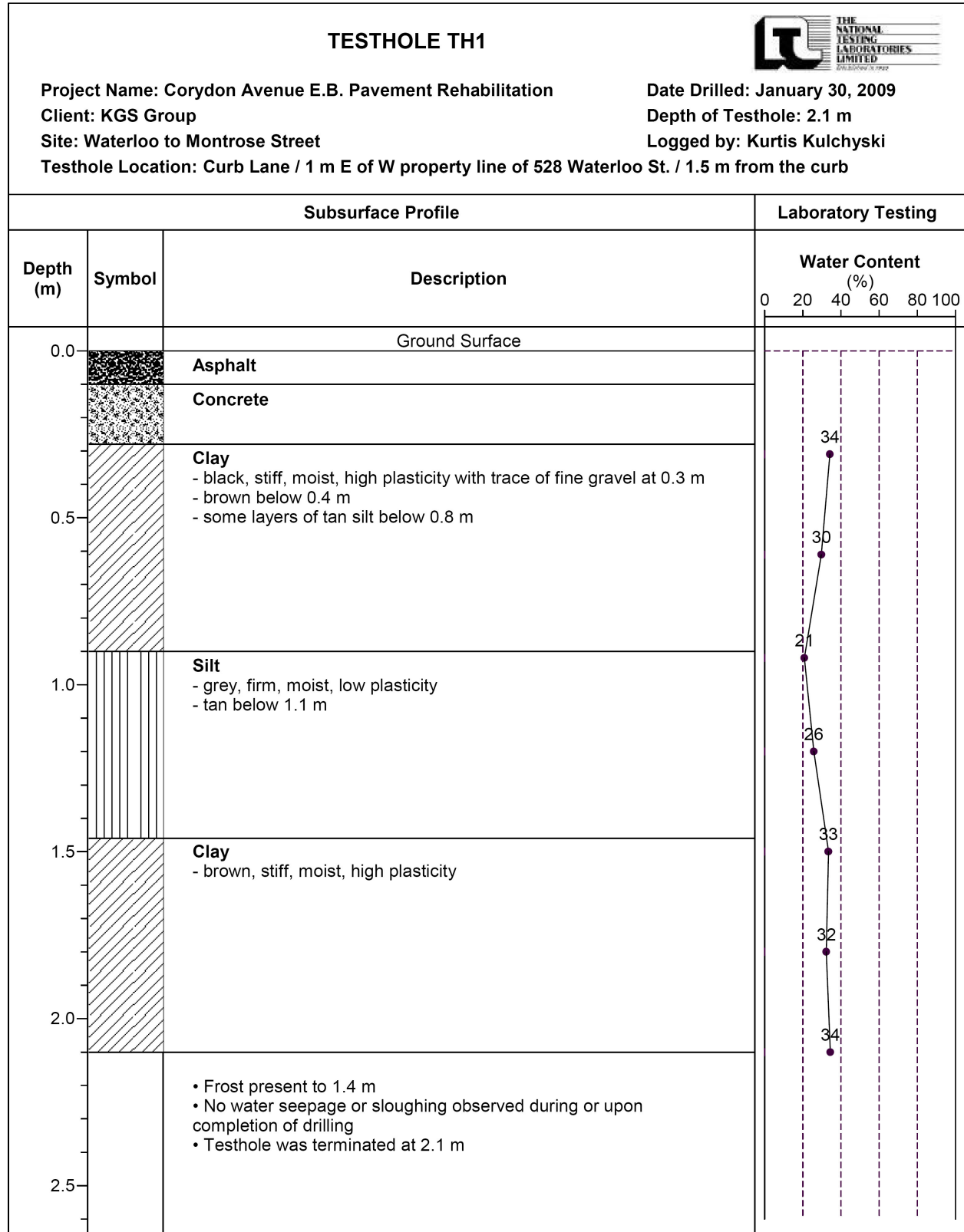
 <p>THE NATIONAL TESTING LABORATORIES LIMITED <i>Established in 1923</i></p>	Project No.: KGS-905 Date: Feb. 26, 2009	Drawn by: JB Reviewed by: DF	Figure: 2 Scale: NTS	Testhole Location Plan Corydon Avenue East Bound Pavement Rehabilitation, between Waterloo Street to Montrose Street
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Test Hole Locations Elm Street to Montrose Street

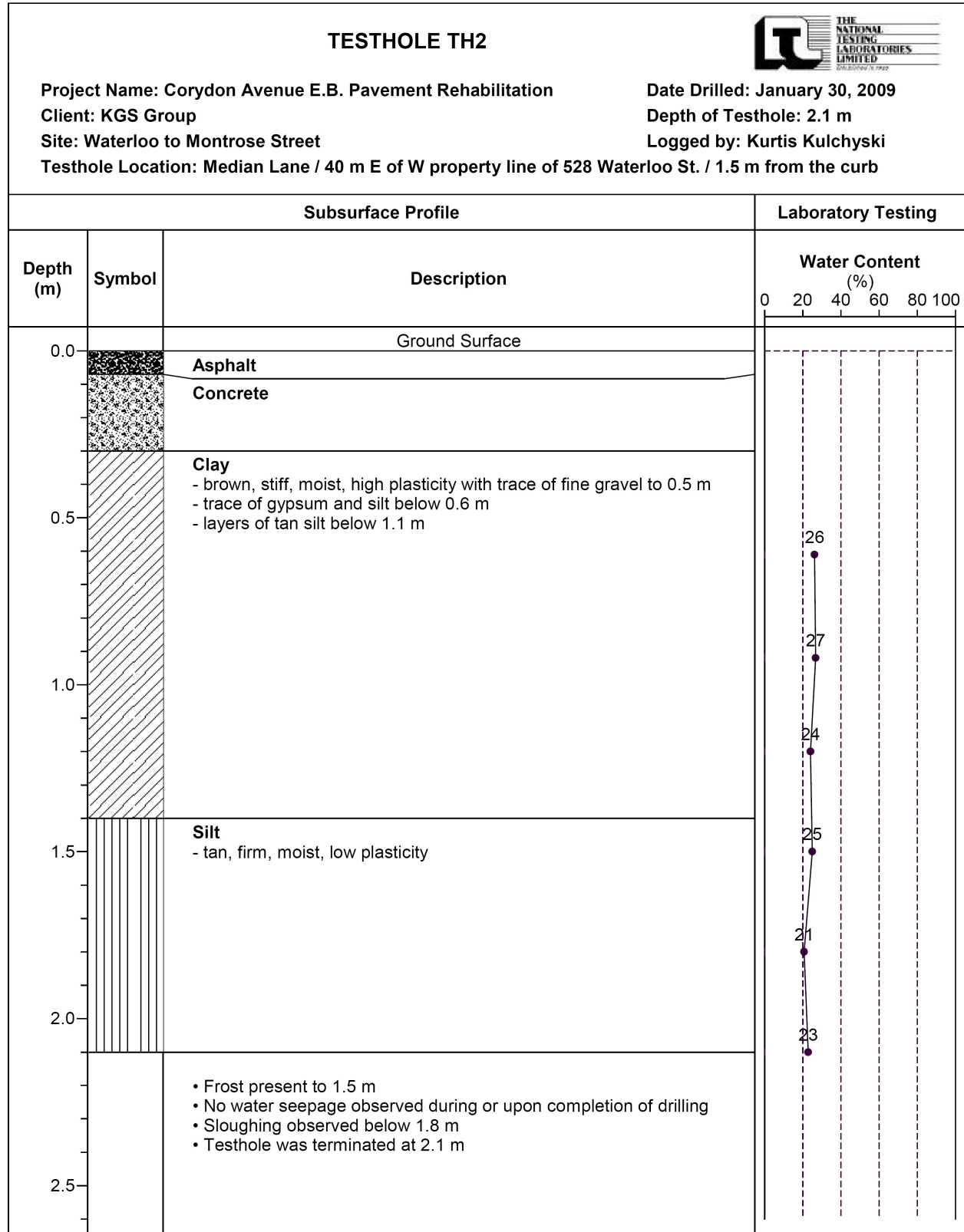


	Project No.: KGS-905	Drawn by: JB	Figure: 3	Testhole Location Plan Corydon Avenue East Bound Pavement Rehabilitation, between Waterloo Street to Montrose Street
	Date: Feb. 26, 2009	Reviewed by: DF	Scale: NTS	

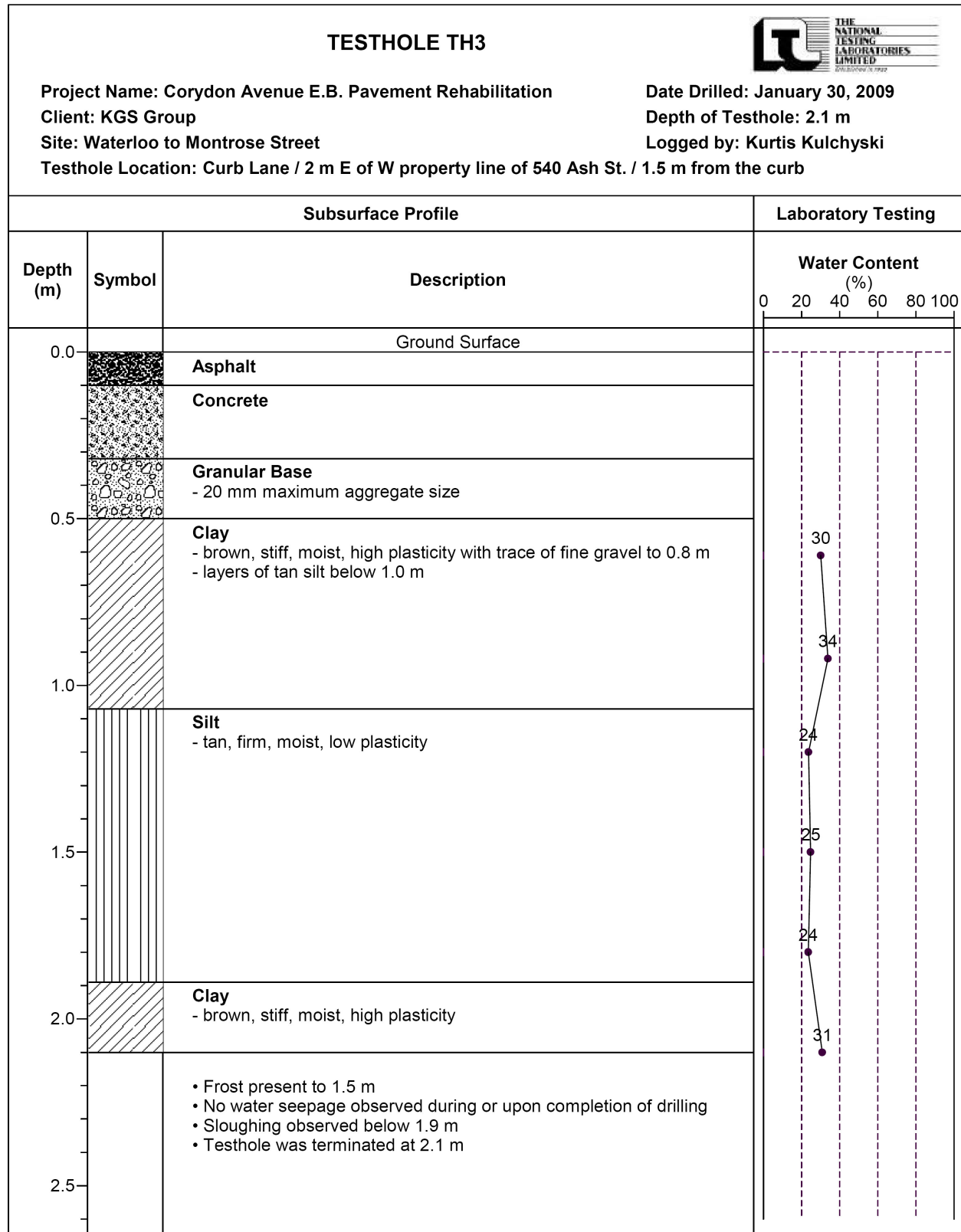
Test Hole Log #1 for Corydon Avenue



Test Hole Log #2 for Corydon Avenue



Test Hole Log #3 for Corydon Avenue



Test Hole Log #4 for Corydon Avenue

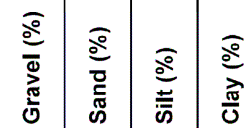
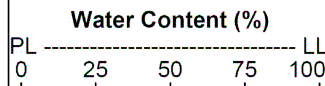
Subsurface Profile			Laboratory Testing					
Depth (m)	Symbol	Description	Water Content (%)		Gravel (%)	Sand (%)	Silt (%)	Clay (%)
			PL	LL				
0.0		Ground Surface						
		Asphalt						
		Concrete						
		Granular Base - 20 mm maximum aggregate size						
0.5		Clay - grey, stiff, moist, high plasticity with trace fine gravel to 0.5 m - brown below 0.5 m - layers of tan silt between 1.2 m to 1.5 m - layers of silty clay at 2.0 m						
1.0					0.0	2.5	20.5	77.0
1.5								
2.0								
2.5		<ul style="list-style-type: none"> Frost present to 1.5 m No water seepage or sloughing observed during or upon completion of drilling Testhole was terminated at 2.1 m 						

TESTHOLE TH4

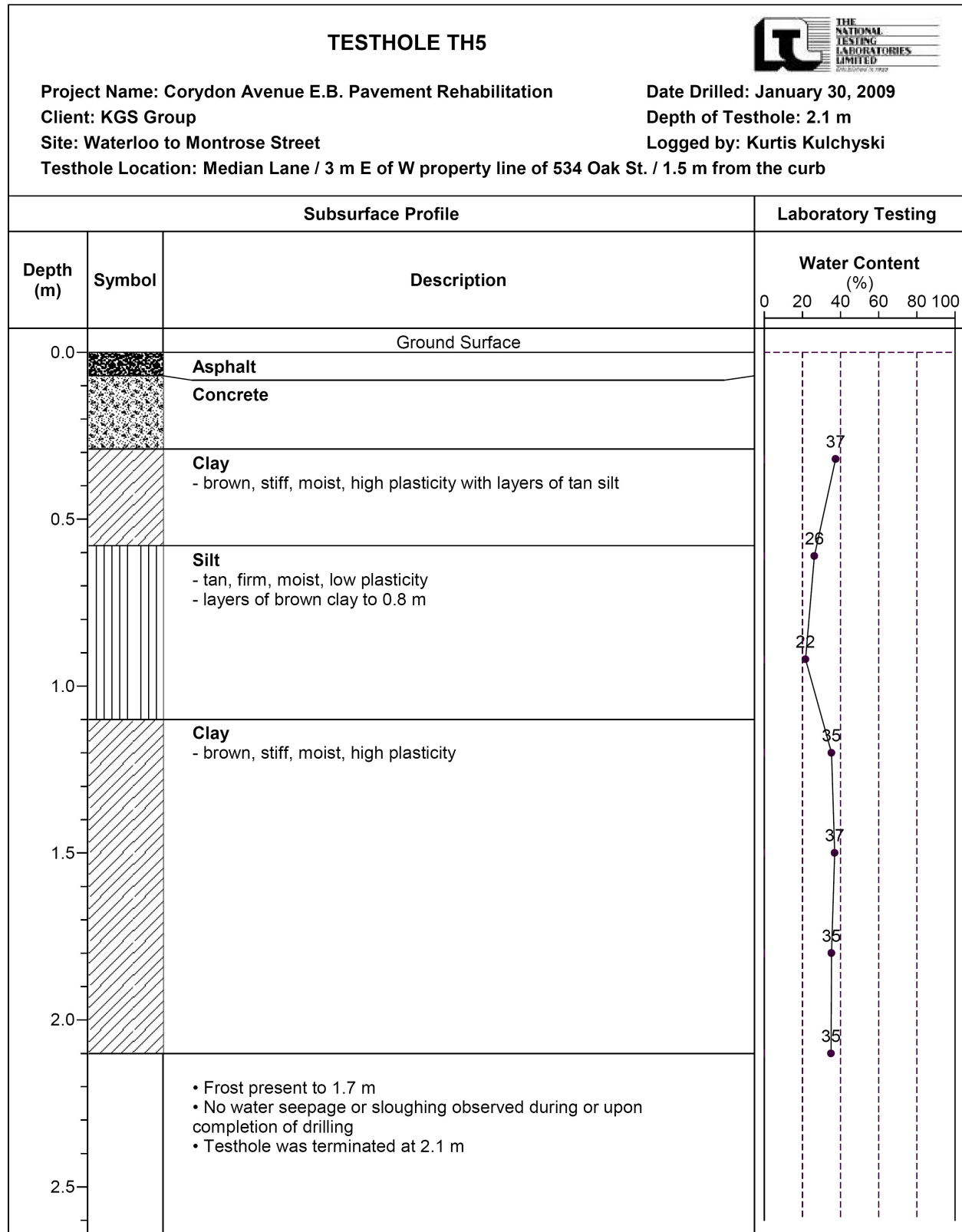


Project Name: Corydon Avenue E.B. Pavement Rehabilitation
 Client: KGS Group
 Site: Waterloo to Montrose Street
 Testhole Location: Curb Lane / 31m W of E property line of 535 Oak St. / 1.5 m from the curb

Date Drilled: January 30, 2009
 Depth of Testhole: 2.1 m
 Logged by: Kurtis Kulchyski



Test Hole Log #5 for Corydon Avenue



Test Hole #6 for Corydon Avenue

TESTHOLE TH6



Project Name: Corydon Avenue E.B. Pavement Rehabilitation
Client: KGS Group
Site: Waterloo to Montrose Street
Testhole Location: Curb Lane / 55 m E of W property line of 534 Oak St. / 1.5 m from the curb

Date Drilled: January 30, 2009
Depth of Testhole: 2.1 m
Logged by: Kurtis Kulchyski

Subsurface Profile			Laboratory Testing					
Depth (m)	Symbol	Description	Water Content (%)		Gravel (%)	Sand (%)	Silt (%)	Clay (%)
			PL	LL				
0.0		Ground Surface						
		Asphalt						
		Concrete						
		Crushed Limestone - 20 mm maximum aggregate size						
0.5		Silt - tan, firm, moist, low plasticity, some sand and fine gravel - layers of brown clay below 1.7 m	20	20	0.2	6.4	71.2	22.2
1.0			24					
1.5			24					
2.0		Clay - brown, stiff, moist, high plasticity	24	40				
2.5		<ul style="list-style-type: none"> Frost present to 1.7 m No water seepage during or upon completion of drilling Sloughing observed below 1.8 m Testhole was terminated at 2.1 m 						

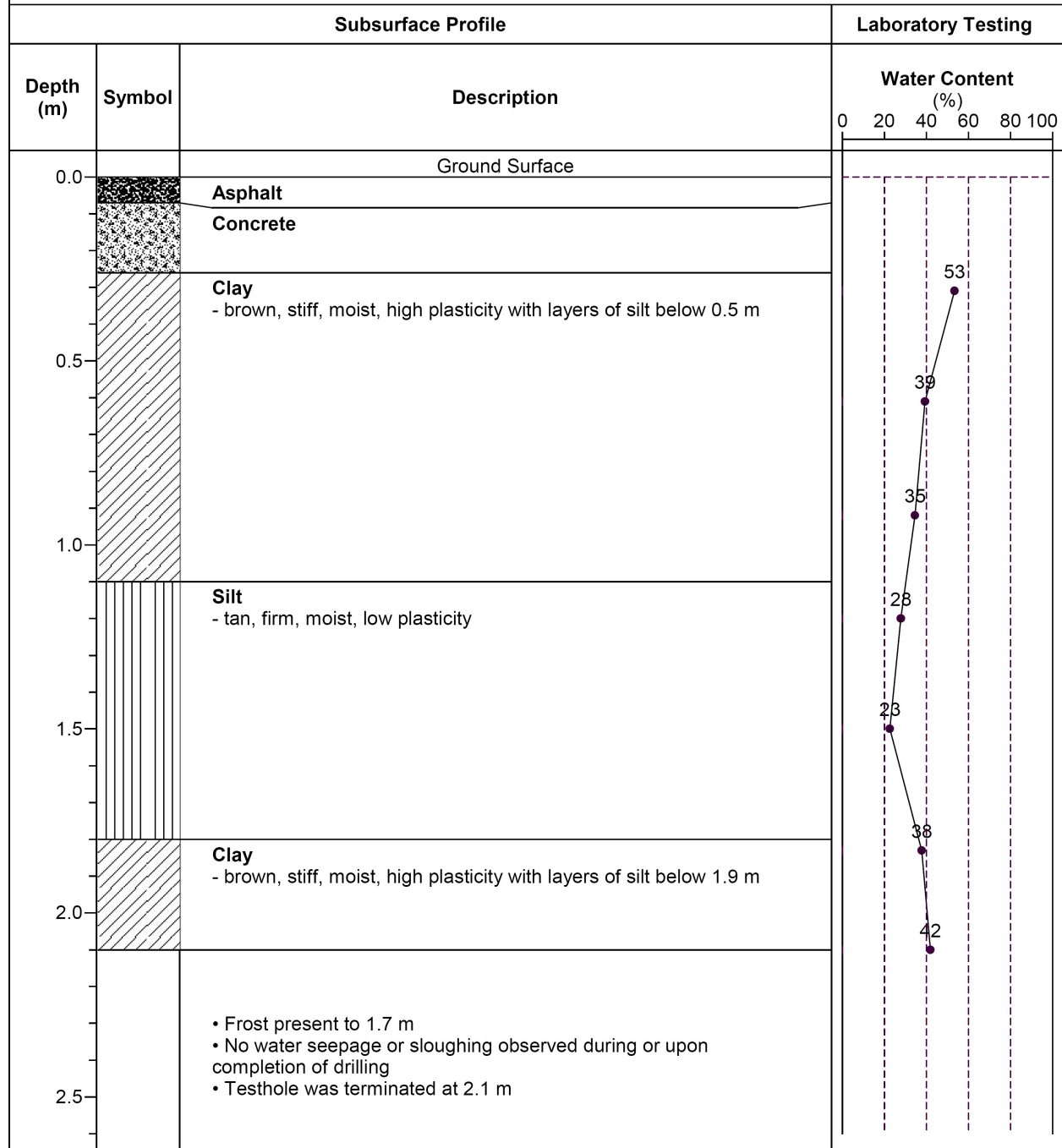
Test Hole #7 for Corydon Avenue

TESTHOLE TH7

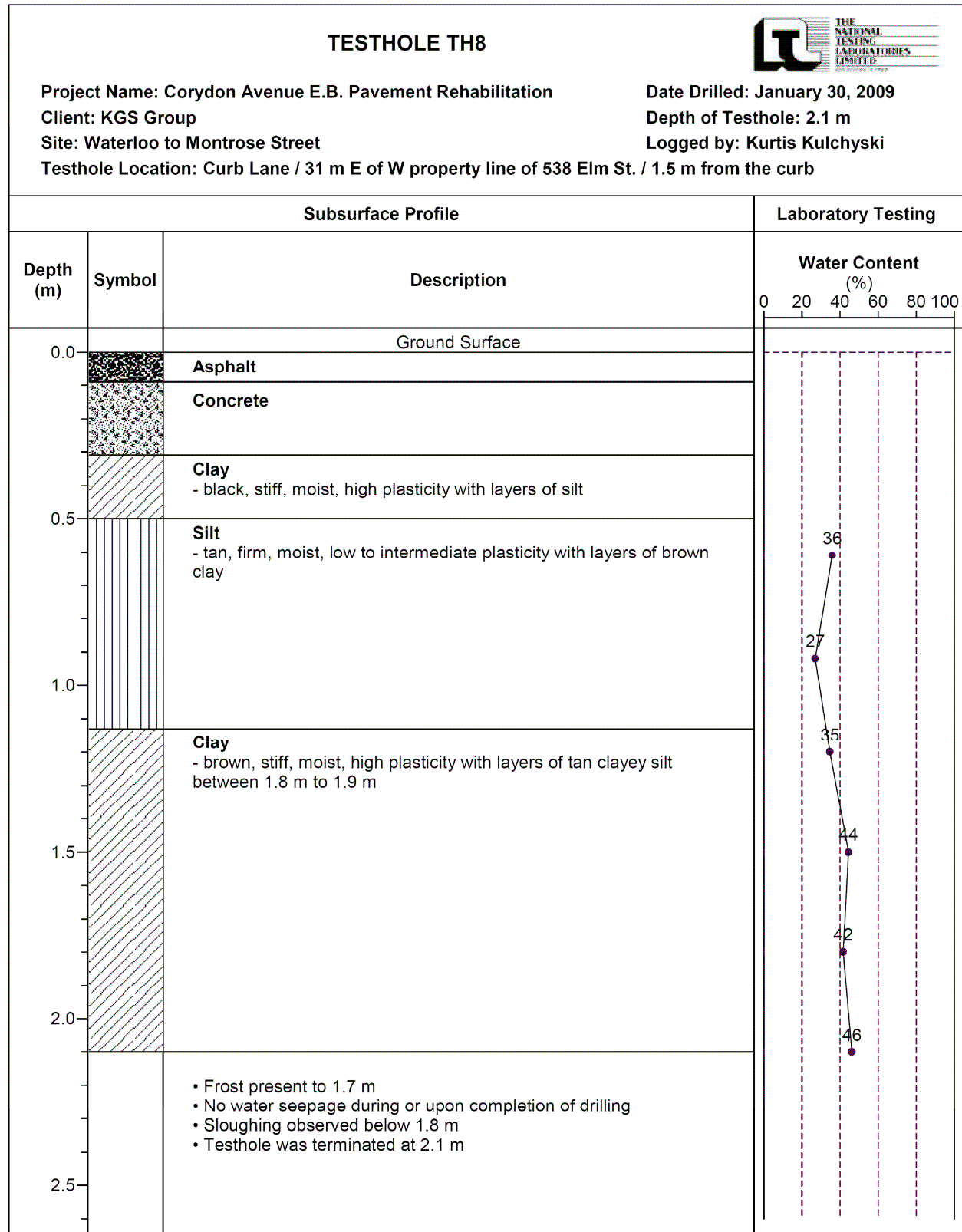


Project Name: Corydon Avenue E.B. Pavement Rehabilitation
Client: KGS Group
Site: Waterloo to Montrose Street
Testhole Location: Median Lane / 5 m E of W property line of 538 Elm St. / 1.5 m from the curb

Date Drilled: January 30, 2009
Depth of Testhole: 2.1 m
Logged by: Kurtis Kulchyski



Test Hole #8 for Corydon Avenue



Pavement Core Photos



Testhole TH1



Testhole TH2



Testhole TH3



Testhole TH4

Pavement Core Photos



Testhole TH5



Testhole TH6



Testhole TH7



Testhole TH8