

# **APPENDIX 'A'**

# **GEOTECHNICAL REPORT**

## APPENDIX 'A' - GEOTECHNICAL REPORT

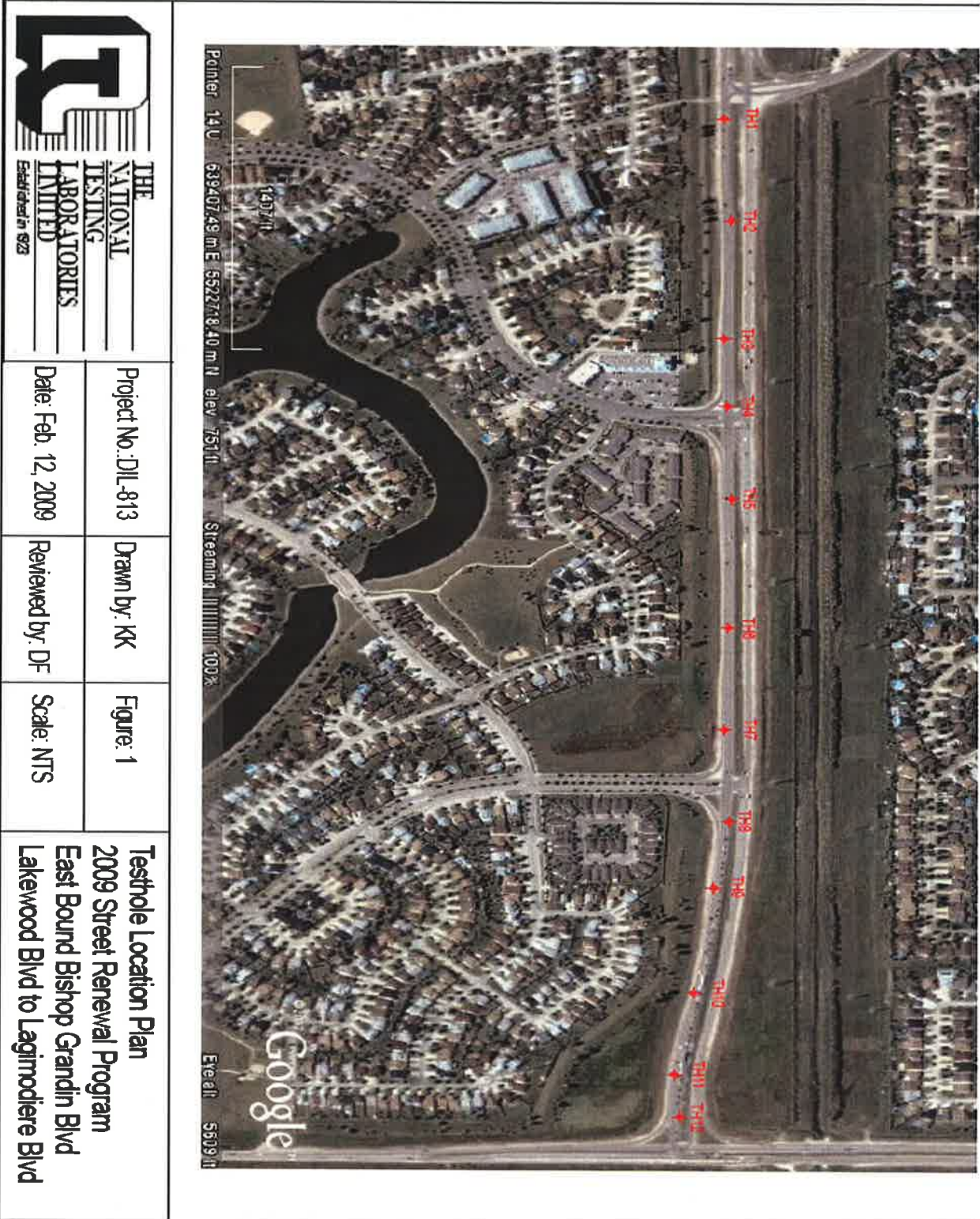
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The geotechnical report is provided to aid in the Contractor's evaluation of the existing concrete pavement and asphalt overlay for Part A, and the soil conditions beneath the proposed path for Part B. The information presented is considered accurate 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 may not become evident until construction commences.

### Geotechnical Report for Part A – Roadway Rehabilitation

#### Test Hole Locations



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

Project No.: DIL-813	Drawn by: KK	Figure: 1
Date: Feb. 12, 2009	Reviewed by: DF	Scale: NTS

**Testhole Location Plan**  
 2009 Street Renewal Program  
 East Bound Bishop Grandin Blvd  
 Lakewood Blvd to Lagimodiere Blvd

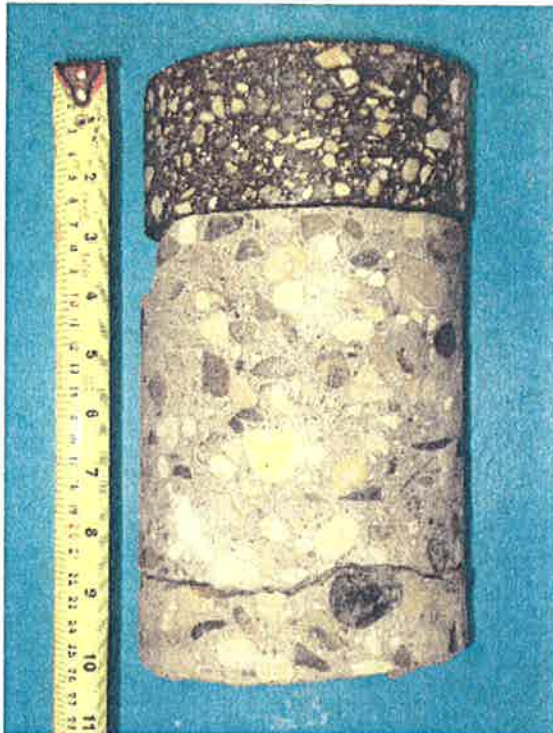
## Summary of Core Samples

**City of Winnipeg  
 2009 Street Renewal Program  
 East Bound Bishop Grandin Boulevard Pavement Structure  
 Lakewood Boulevard to Lagimodiere Boulevard**

Testhole ID	Testhole Location	Asphalt Thickness (mm)	Concrete Thickness (mm)	Base Coarse Type
TH1	Centre of the south lane, 453 m west of the centre of Island Shore Boulevard intersection	65	200	Granular Base - 20 mm maximum aggregate size
TH2	Centre of the north lane, 299 m west of the center of Island Shore Boulevard intersection	60	194	Granular Base - 20 mm maximum aggregate size
TH3	Centre of the deceleration lane, 120 m west of the centre of Island Shore Boulevard intersection	65	222	Granular Base - 20 mm maximum aggregate size
TH4	Centre of the south lane, 18 m west of the centre of Island Shore Boulevard intersection	62	194	Granular Base - 20 mm maximum aggregate size
TH5	Centre of the north lane, 123 m east of the centre of Island Shore Boulevard intersection	67	192	Granular Base - 20 mm maximum aggregate size
TH6	Centre of the south lane, 318 m east of the centre of Island Shore Boulevard intersection	67	192	Granular Base - 20 mm maximum aggregate size
TH7	Centre of the deceleration lane, 84 m west of the centre of De La Seigneurie Boulevard intersection	65	230	Granular Base - 20 mm maximum aggregate size
TH8	Centre of the north lane, 55 m east of the centre of De La Seigneurie Boulevard intersection	61	200	Granular Base - 20 mm maximum aggregate size
TH9	Centre of the acceleration lane, 155 m east of the centre of De La Seigneurie Boulevard intersection	54	200	Granular Base - 20 mm maximum aggregate size
TH10	Centre of the south lane, 314 m east of the centre of De La Seigneurie Boulevard intersection	58	201	Granular Base - 20 mm maximum aggregate size
TH11	Centre of the deceleration lane, 109 m west of the west curb of Lagimodiere Boulevard	62	197	Granular Base - 20 mm maximum aggregate size
TH12	Centre of the north lane, 45 m west of the west curb of Lagimodiere Boulevard	55	230	Granular Base - 20 mm maximum aggregate size

**Note: Testholes were drilled to a depth of 100 mm below the underside of the existing concrete pavement**

**Pavement Core Photos for Test Hole #1 - 4**



TH1 - East Bound Bishop Grandin



TH2 - East Bound Bishop Grandin

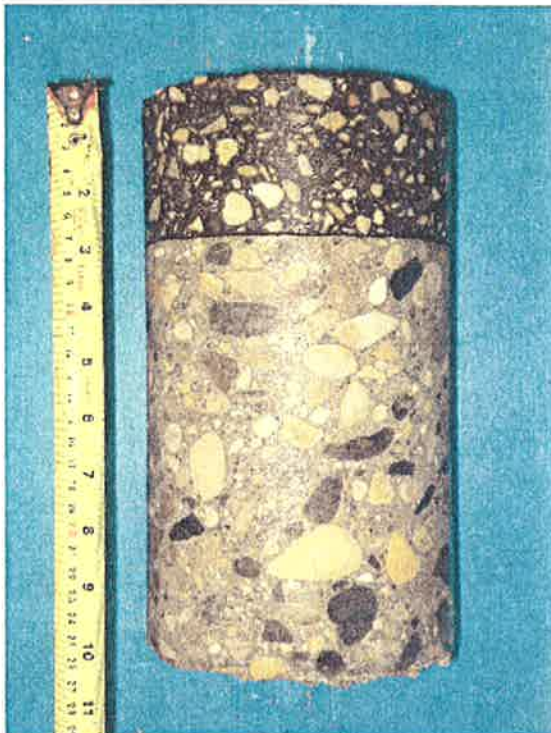


TH3 - East Bound Bishop Grandin



TH4 - East Bound Bishop Grandin

**Pavement Core Photos for Test Hole #5 - 8**



TH5 - East Bound Bishop Grandin



TH6 - East Bound Bishop Grandin



TH7 - East Bound Bishop Grandin



TH8 - East Bound Bishop Grandin

**Pavement Core Photos for Test Hole #9 - 12**



TH9 - East Bound Bishop Grandin



TH10 - East Bound Bishop Grandin



TH11 - East Bound Bishop Grandin



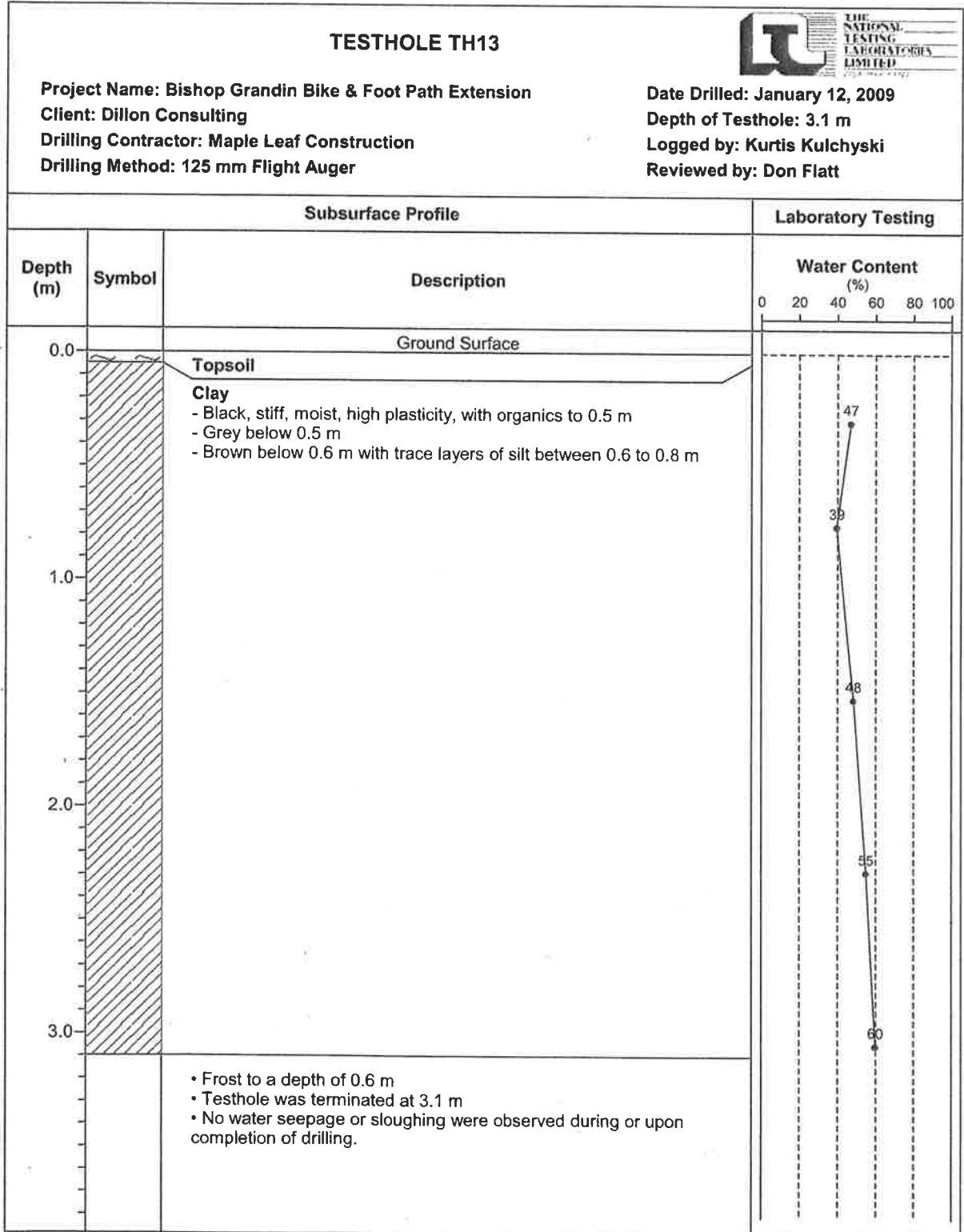
TH12 - East Bound Bishop Grandin

**Geotechnical Report for Part B – Multi-Use Pathway Construction**  
**Test Hole Locations**

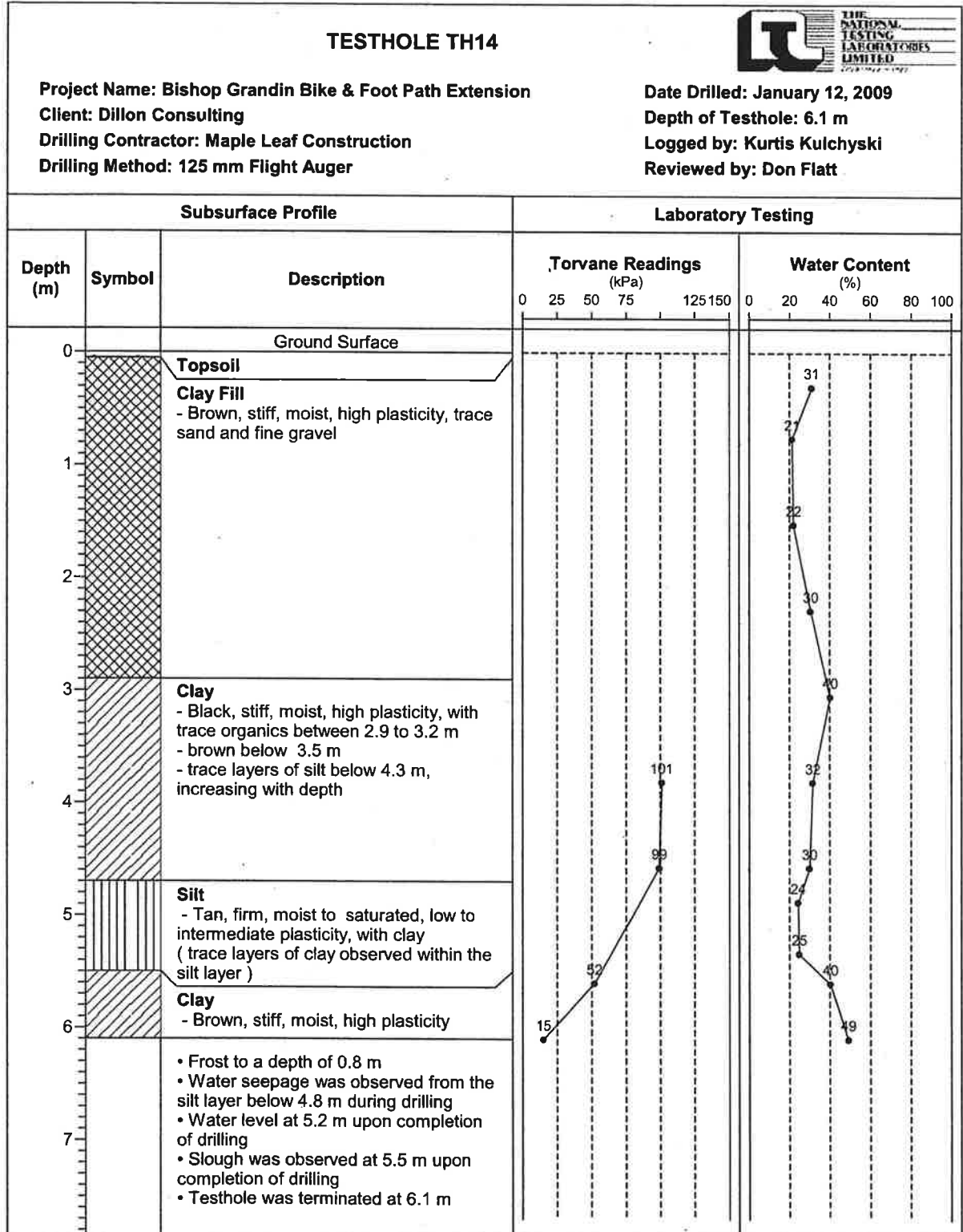




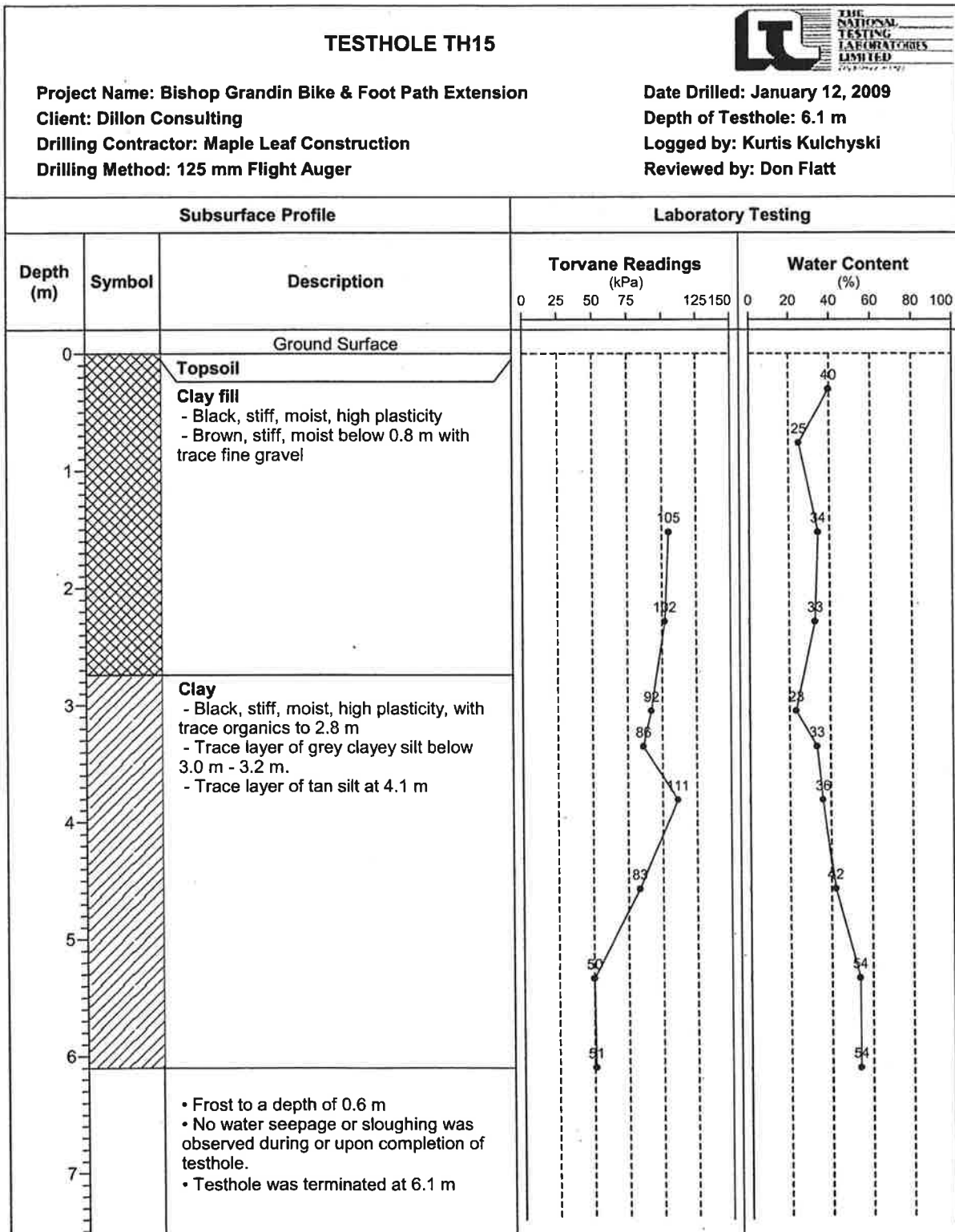
**Test Hole Log for Test Hole #13**



**Test Hole Log for Test Hole #14**



**Test Hole Log for Test Hole #15**



**Test Hole Log for Test Hole #16**

