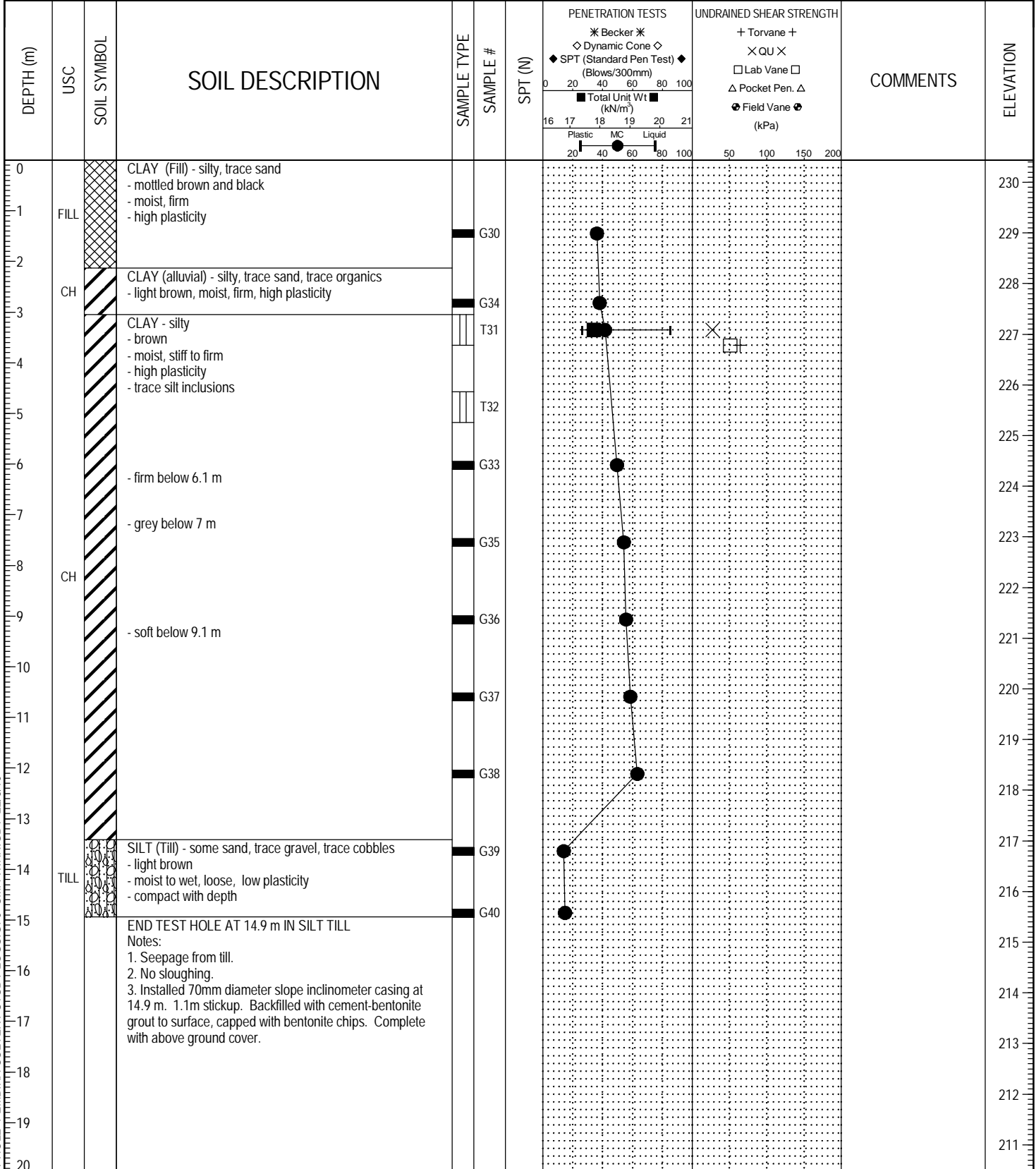


**APPENDIX A**  
**TEST HOLE LOGS**

|   |   |                       |
|---|---|-----------------------|
| PROJECT: Ducharme & Baldry Creek Flood Protection Works | CLIENT: City of Winnipeg  | TESTHOLE NO: SI 09-04 |
| LOCATION: West Slope E632710.893 N5514573.780           |   | PROJECT NO.: 60196300 |
| CONTRACTOR: Paddock Drilling Ltd.                       | METHOD: 125mm Solid Stem Augers   | ELEVATION (m): 230.44 |
| SAMPLE TYPE   | <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE |                       |

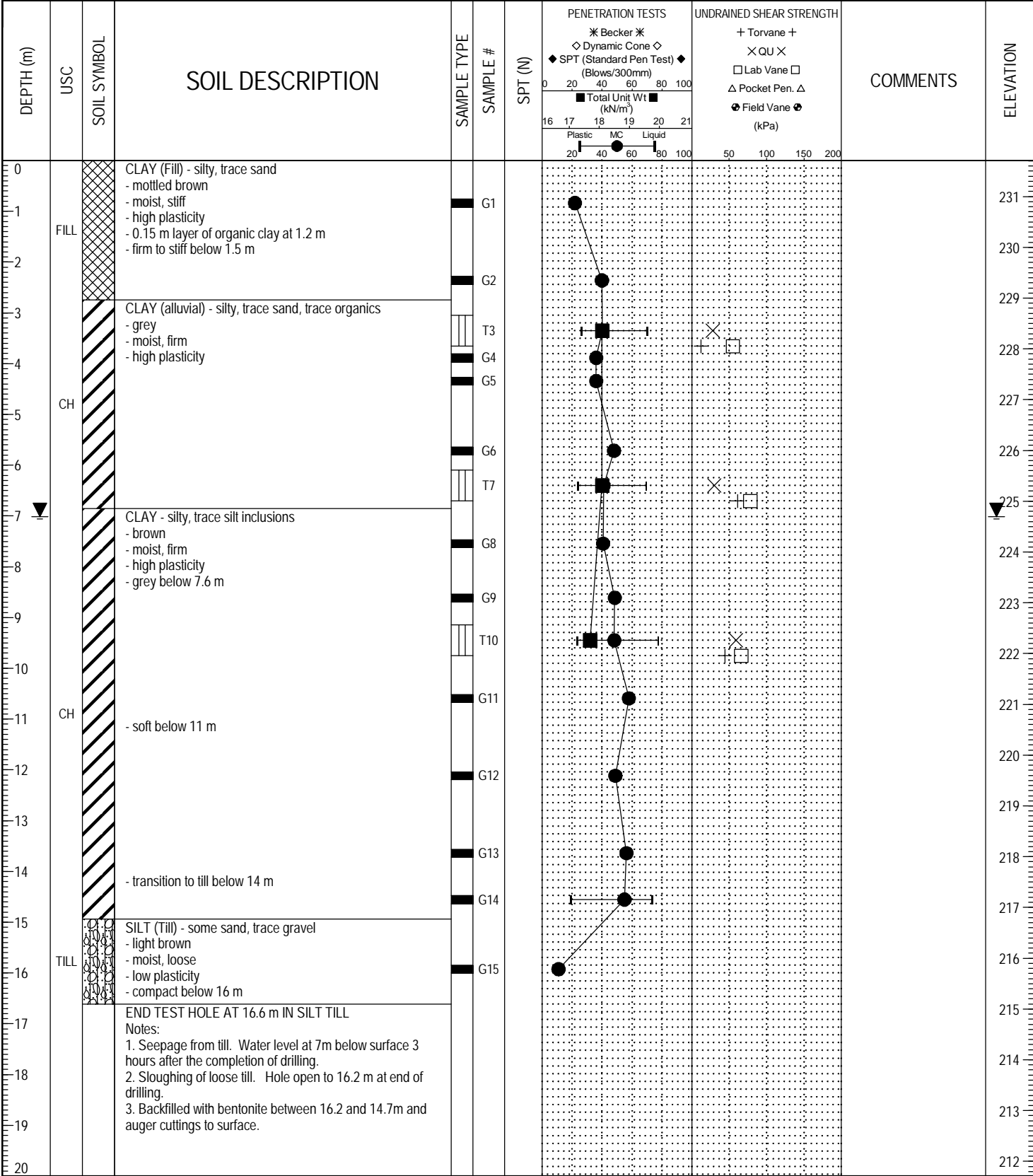


LOG OF TEST HOLE PEMBINA CULVERT STUDY LOGS.GPJ UMA WINN.GDT 22/6/10



|                               |                           |
|-------------------------------|---------------------------|
| LOGGED BY: Kendall Thiessen   | COMPLETION DEPTH: 14.94 m |
| REVIEWED BY: Ken Skaffeld     | COMPLETION DATE: 30/9/09  |
| PROJECT ENGINEER: Jeff Tallin | Page 1 of 1               |

|   |   |                       |
|---|---|-----------------------|
| PROJECT: Ducharme & Baldry Creek Flood Protection Works | CLIENT: City of Winnipeg  | TESTHOLE NO: TH 09-01 |
| LOCATION: East Shoulder E632756.48 N5514566.10          |   | PROJECT NO.: 60196300 |
| CONTRACTOR: Paddock Drilling Ltd.                       | METHOD: 125mm Solid Stem Augers   | ELEVATION (m): 231.71 |
| SAMPLE TYPE   | <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE |                       |

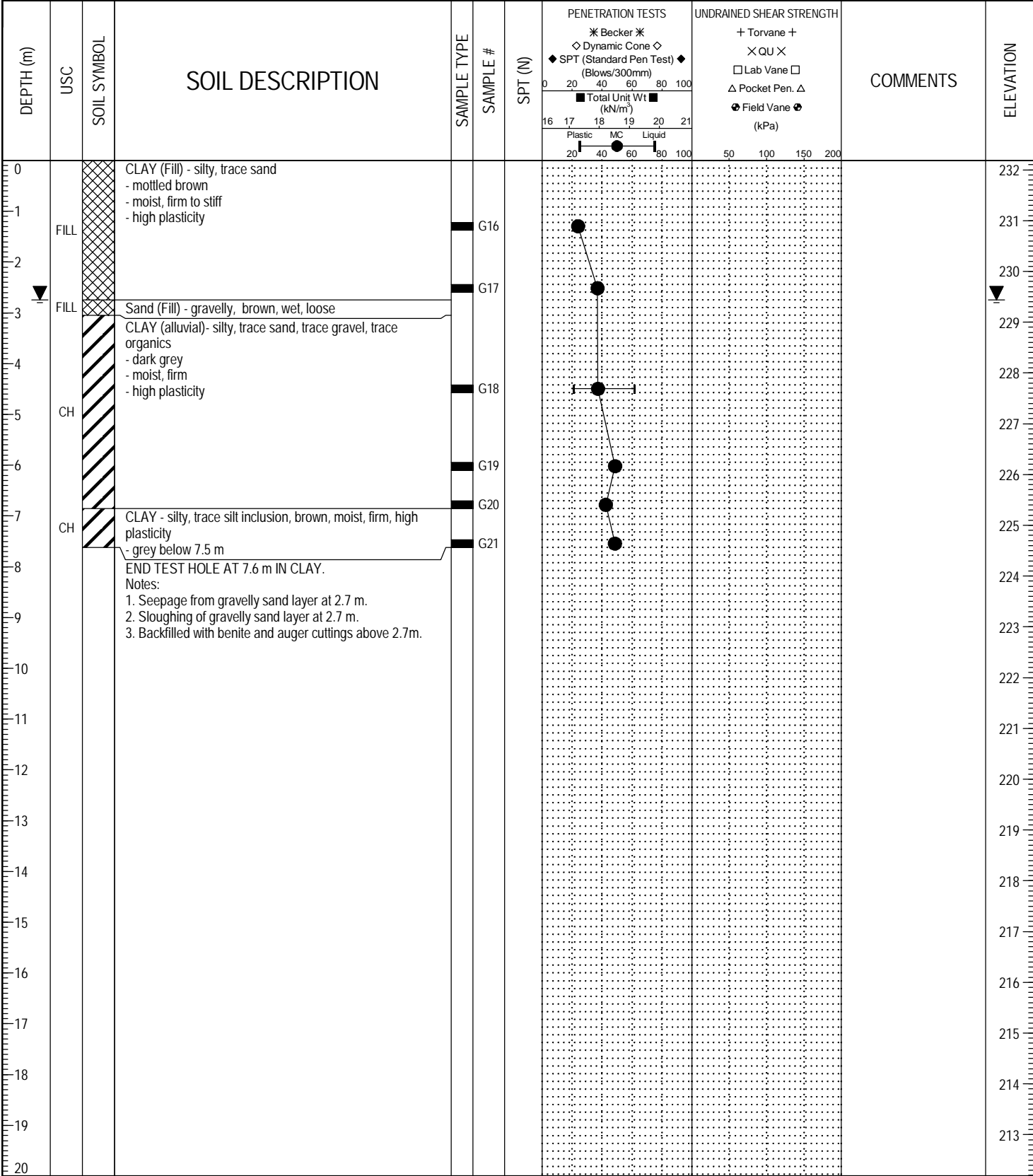


LOG OF TEST HOLE PEMBINA CULVERT STUDY LOGS.GPJ UMA WINN.GDT 22/6/10



|                               |                           |
|-------------------------------|---------------------------|
| LOGGED BY: Kendall Thiessen   | COMPLETION DEPTH: 16.61 m |
| REVIEWED BY: Ken Skaffeld     | COMPLETION DATE: 30/9/09  |
| PROJECT ENGINEER: Jeff Tallin | Page 1 of 1               |

|   |   |                       |
|---|---|-----------------------|
| PROJECT: Ducharme & Baldry Creek Flood Protection Works | CLIENT: City of Winnipeg  | TESTHOLE NO: TH 09-02 |
| LOCATION: Median - South E632742.27 N5514557.68         |   | PROJECT NO.: 60196300 |
| CONTRACTOR: Paddock Drilling Ltd.                       | METHOD: 125mm Solid Stem Augers   | ELEVATION (m): 232.18 |
| SAMPLE TYPE   | <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE |                       |

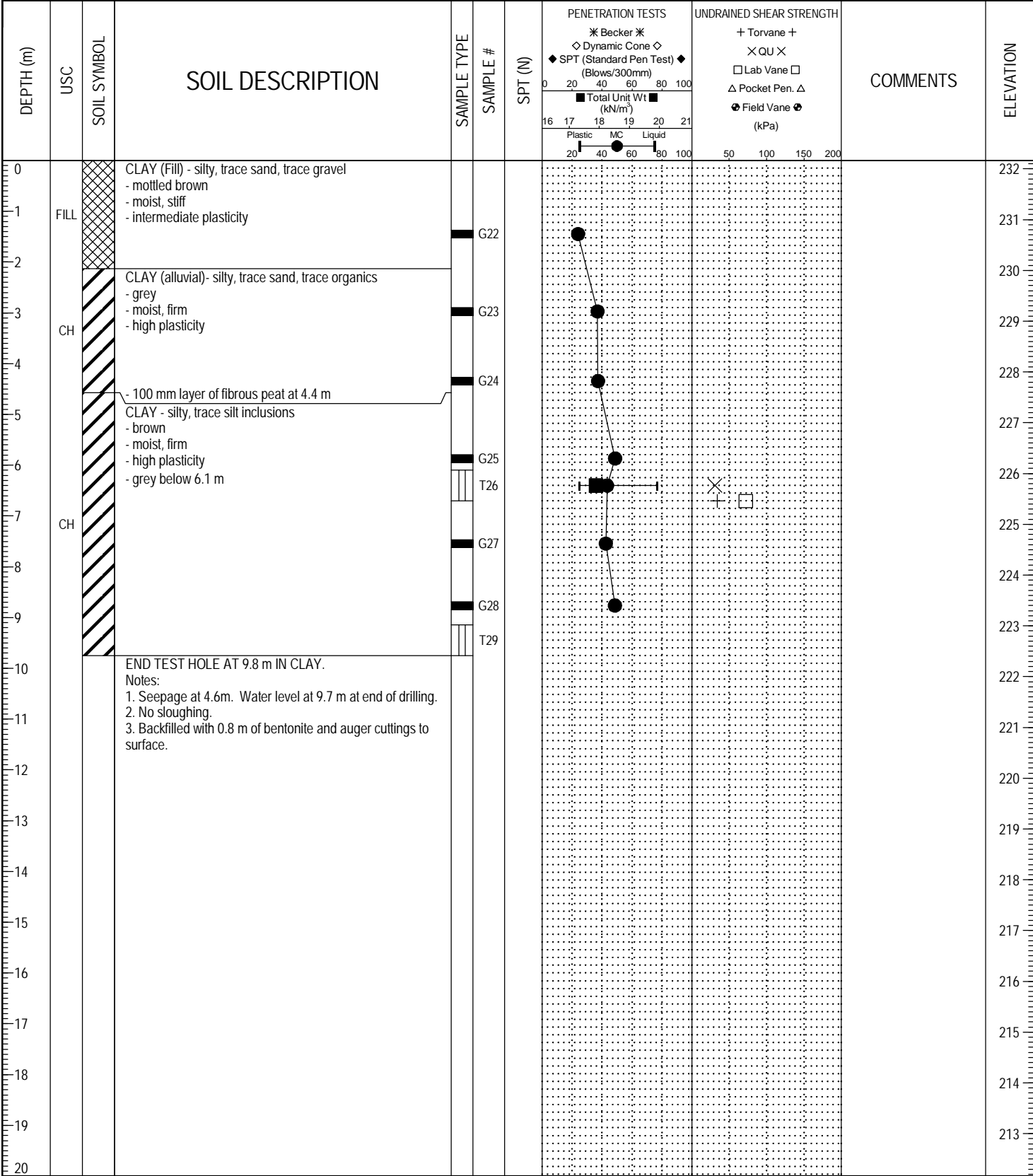


LOG OF TEST HOLE PEMBINA CULVERT STUDY LOGS.GPJ UMA WINN.GDT 22/6/10



|                               |                          |
|-------------------------------|--------------------------|
| LOGGED BY: Kendall Thiessen   | COMPLETION DEPTH: 7.62 m |
| REVIEWED BY: Ken Skaffeld     | COMPLETION DATE: 30/9/09 |
| PROJECT ENGINEER: Jeff Tallin | Page 1 of 1              |

|   |   |                       |
|---|---|-----------------------|
| PROJECT: Ducharme & Baldry Creek Flood Protection Works | CLIENT: City of Winnipeg  | TESTHOLE NO: TH 09-03 |
| LOCATION: Median - North E632739.318 N5514567.927       | PROJECT NO.: 60196300   |                       |
| CONTRACTOR: Paddock Drilling Ltd.                       | METHOD: 125mm Solid Stem Augers   | ELEVATION (m): 232.16 |
| SAMPLE TYPE   | <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input checked="" type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE |                       |



LOG OF TEST HOLE PEMBINA CULVERT STUDY LOGS.GPJ UMA WINN.GDT 22/6/10



|                               |                          |
|-------------------------------|--------------------------|
| LOGGED BY: Kendall Thiessen   | COMPLETION DEPTH: 9.75 m |
| REVIEWED BY: Ken Skaffeld     | COMPLETION DATE: 30/9/09 |
| PROJECT ENGINEER: Jeff Tallin | Page 1 of 1              |