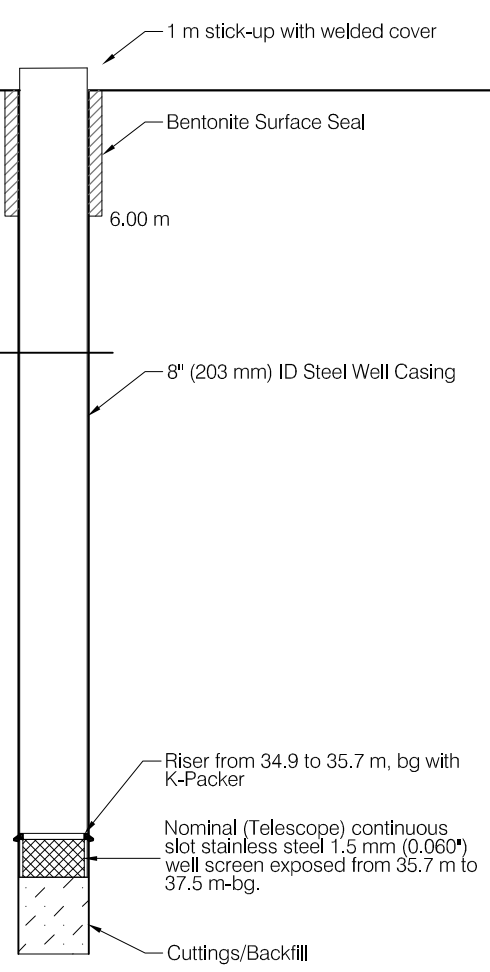


# HYDROGEOLOGIC LOG

PURPOSE OF HOLE: Water Supply Well  
 DRILLING METHOD: Dual Air Rotary  
 START DRILLING: November 3, 2005  
 SCREEN INSTALLED: November 7, 2005  
 CONTRACTOR: Double "D" Drilling Ltd.

BOREHOLE NO. TW05-02

GROUND ELEV. (m-geod): 693  
 TOP OF CASING (m-geod): 694  
 CASING STICK UP (m): 1.0  
 DEPTH TO STATIC (m): 12.30 m-bg.  
 DEPTH TO SCREEN TOP (m): 35.7 m-bg.  
 UTM coordinates from GPS: 6661822 N, 514043 E

Lithology	Comments	Well Installation Summary
<p>Depth (m)</p> <p>0m</p> <p>SAND - silty, some cobbles, brown <span style="float: right;">2.43 m</span></p> <p>5m SAND &amp; GRAVEL - silty, fine-med. grained sand, med.-coarse gravel, some cobbles/boulders, brown <span style="float: right;">5.79 m</span></p> <p>10m SAND - trace of silt, trace of gravel, med.-fine grained sand, well rounded gravel, moist, brown <span style="float: right;">13.72 m</span></p> <p>15m SAND - silty, trace of gravel, fine-med. grained sand with trace of coarse sand, fine-med. grained rounded gravel - becomes finer with depth, grey, brown <span style="float: right;">19.81 m</span></p> <p>20m SAND &amp; SILT - fine grained sand-trace of med. grained sand, wet, grey/brown <span style="float: right;">23.77 m</span></p> <p>25m SAND - some silt, fine-med. grained sand <span style="float: right;">26.50 m</span></p> <p>30m SAND - silty, trace of gravel, fine grained sand-some med. grained sand, med. grained gravel becoming coarser with depth, brown <span style="float: right;">35.02 m</span></p> <p>35m SAND &amp; GRAVEL - trace of silt, well graded sand, fine-med. grained rounded gravel, some wood, wet, grey <span style="float: right;">41.15 m</span></p> <p>40m</p> <p>45m</p> <p>END OF BOREHOLE</p>	<p>Water Level = 12.30 m-bg January 10, 2006</p>	 <p>The diagram shows a vertical cross-section of the well. At the top, there is a 1 m stick-up with a welded cover. Below this is a Bentonite Surface Seal, 6.00 m thick. The main well casing is 8" (203 mm) ID Steel Well Casing. A water level is indicated by a triangle symbol at 12.30 m below ground. At the bottom, there is a riser from 34.9 to 35.7 m below ground with a K-Packer. Below the K-Packer is a nominal (telescope) continuous slot stainless steel 1.5 mm (0.060") well screen exposed from 35.7 m to 37.5 m below ground. The bottom of the well is filled with cuttings/backfill.</p>



**EBA Engineering Consultants Ltd.**

PROJECT HYDROGEOLOGICAL STUDY FOR POTABLE  
 GROUNDWATER SUPPLY - LIARD FIRST NATION WATER SUPPLY  
 2/2.4/2.5 MILE COMMUNITY - WATSON LAKE , YUKON

CLIENT

DAYTON & KNIGHT LTD.  
 LIARD FIRST NATION

TITLE

WELL LOG TW05-02

DATE FEB, 2006

DWN. ██████

CHKD. ██████

FILE NO. 0201-1260004

DRWG. APPENDIX B1