

SCOPE OF WORK

WATER STUDY

PUMPING TEST

1. PUMPING TEST PROCEDURE

A "British Colombia guide" is attached to this document, it should serve as a guide and to answer all questions that may be asked.

During testing works, the following points shall be considered:

- i. The test/well shall be controlled by valves and pipes. No flooding shall be permitted.
- ii. The test shall run for a minimum period of 24 hours.
- iii. The test shall be monitored by flow meters and pressure gauges.
- iv. Readings shall be taken according to page 6 of the British Colombia guide.
- v. further instructions from Blumont engineers.

2. PUMPING TEST REPORT

Upon finishing the tests, a report shall be prepared to summarize the findings, the report shall consist of the following information:

- i. Steady Q,
- ii. steady drawdown (Sw)
- iii. Q vs Sw tables
- iv. Transmittivity T,
- v. Hydraulic conductivity K,
- vi. Recovery rate R,
- vii. Water levels vs Time (at pumping test and recovery period)
- viii. Analysis and assessment of the pumping test data, including an assessment of the long-term sustainable yield and potential impacts on neighboring wells and/ or streams
- ix. The professional hydrogeologist's opinion on the short and long-term capacity of the well and its ability to meet the applicable production criteria (e.g., subdivision by-law for private sources, projected demand for water systems).

The work will be supervised by Blumont Engineers throughout all the phases. All works shall be according to the attached "British Colombia guide", ASTM D6034-20 and the instructions of Blumont's Engineers.