

Keswick WPCP Effluent Outfall Expansion



KESWICK, ONTARIO

START DATE

December 2012

COMPLETION DATE

November 2013

VALUE OF CONTRACT

\$20 300 000

OWNER

York Region

Shu He

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CONSULTANT

Hatch Mott MacDonald

Ray Bonin

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Project Description

DESCRIPTION

The project includes;

Open cut- 300m of 750mmØ CPP with 5 manholes, bypass pumping, dewatering, removal of existing outfall pipe and manholes and re-routing existing water pipes.

Microtunneling- 765m of 1200mmØ jacking pipe, 3 jacking shafts, 3 retrieval shafts, jet grouting, wet retrieval of TBM in Lake Simcoe and construction of 5 manholes.

Marine- Construct 175m long access road into Lake Simcoe, dredge and side-cast material for 800m of trench for new outfall, install HDPE DR17 outfall complete with concrete anchors, place 50mm clear stone for bedding and around pipe, place native backfill 0.3m above existing lakebed, install one precast manhole and one HDPE manhole, install 26 diffuser pipes with check valves and remove/ install 26 new valves on existing outfall.

ROLE

General Contractor

