

## Village of MacTier Sanitary Sewage Collection System

Client: District Municipality of Muskoka

Year: 1998 - 2006



### SERVICES PROVIDED

A Schedule C Class EA Study was completed in 1998 to determine the most appropriate solution to the problem of sewage treatment and effluent disposal in the community of MacTier, Township of Georgian Bay. MacTier's population of approximately 700 was serviced by site septic systems. Due to the age of the septic systems and presence of rock virtually at the surface, septic effluent was impacting Stewart Lake, which serves as the community's water supply. The Class EA Study concluded that the preferred solution was a sanitary collection system comprising 5 km of gravity sewers, 2 km of low pressure sewers and 2 sewage pumping stations and a treatment plant using sequencing batch reactors and tertiary filtration to provide high quality effluent.

The main challenge was to install a collection system in nearly bare bedrock without disturbing the homes and buildings, the transcontinental CP rail line and the watermains. In 2002 the final design of the collection system was completed. The works were installed in 4 separate contracts, at a total value of \$11M in 2004 to 2006.

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