

Taylor Road Depressed Sanitary Sewer

Client: District Municipality of Muskoka

Year: 2006-2009



SERVICES PROVIDED

A Schedule B Class EA Study was completed in 2007. The problem was insufficient capacity in the municipal sanitary sewage collection system at the north branch of the Muskoka River in Bracebridge. The sewer that served most of Town east of the river was fastened to the underside of the Taylor Road bridge and was undersized. The preferred solution was determined to be a depressed sewer beneath the river, just upstream of the Taylor Road Bridge. Final design was completed in 2008. Special features of the design include three pipes, one sized for dry weather flows, a second for wet weather flows and a third for emergency conditions. The pipes convey sewage under the river by pressure generated from static head on the inlets. This required an inlet chamber on the east side of the river and an outlet chamber to the conventional sanitary sewer on the west side.

Construction began in early 2009 and was substantially performed in late November 2009 at a cost of approximately \$1.0M.

Key Staff Ryan Mannings, Roger Embree, Bill Van Ryn



C.C. Tatham & Associates Ltd.
Consulting Engineers

Collingwood

Bracebridge

Orillia

Barrie

email: info@cctatham.com
web: www.cctatham.com