



The area where the sewers and watermains were to be routed has a large seasonal population and narrow, hilly roads with large bordering trees.



East End Servicing Contract No. 12 Town of Wasaga Beach

As part of a continuing contract to supply services in the Town of Wasaga Beach, the Ainley Group has designed and supervised the installation of trunk watermains and sewers in the east end of the town. The roads selected for installation of watermains presented some access and traffic control problems. The roads were narrow, hilly, had large trees along the edges and are used heavily by seasonal residents. Construction was scheduled to accommodate the influx of seasonal residents.

In some areas, the installation of the watermains necessitated the excavation of the entire width of road. In these areas, traffic diversion and rerouting and turning existing small pathways into useable connecting roads were necessary. Directional drilling was used to install 269 metres of 200-mm dia. watermain along a roadway where access was extremely difficult. At one point, a section of road crossed over a 17.8-m long concrete box-culvert that spanned a creek. In this case, the watermain and sewer construction went under both the creek bed and boxed culvert.

Project Facts

Client: Town of Wasaga Beach

Scope of Work:

- Geotechnical investigation
- Preliminary and detailed design
- Contract administration
- Construction monitoring.

Key Design Features:

- Water mains:
 - 902m of 350-mm dia. PVC DR25
 - 735m of 250-mm dia. PVC DR25
 - 695m of 200-mm dia. PVC DR25
 - 2938m of 150-mm dia. PVC DR25
- Directional drilling for a 269-metre section of 200-mm dia. watermain
- Construction under box culvert and creek.

Project Cost: \$1,400,000 (2003)