



Project Facts

Client: Region of Peel

Scope of Work:

Completion of a Class Environmental Assessment Planning Process (Schedule B), which will address:

- Problems maintaining satisfactory operation due to inadequate pressure and water volume
- Assess the effects of various options on the natural, social and economic environments
- Recommend a solution from the options listed in the study

Estimated Capital Cost: \$700,000

Class Environmental Assessment Powerline Road Watermain – Town of Wasaga Beach

In 2007, the Town of Wasaga Beach retained the Ainley Group to undertake a Class Environmental Assessment (Schedule B) to investigate the unsatisfactory operation of the Sunnidale Elevated Water Tank caused by inadequate pressure and water volume. The Ontario Clean Water Agency (OCWA) has reported problems filling the West End Reservoir. The existing distribution system did not have sufficient capacity to fully recharge the tank in an efficient manner.

The environmental study was undertaken to assess the effects of various options on the natural, social and economic environments such as urban and rural development, terrestrial vegetation and wildlife, heritage resources, recreation and existing utilities. The proposed alternate solutions to the problem included:

- Option 1: Do Nothing – Under this option, the Town would do nothing; however, the Town would eventually be required to find an alternate solution to address the existing water pressure problems.
- Option 2: Implement Water Conservation Methods – This option would help maintain a low water demand if the public responded to education techniques.

- Option 3: Construction of 600 metres of New Watermain through the Wasaga Beach Provincial Park - This option would involve the construction of a 600 metre, 400-mm diameter watermain through the Ministry of Natural Resources property. Horizontal directional drilling construction techniques would be used to minimize environmental harm.
- Option 4: Construction of 12,500 metres of New Watermain along Klondike Park Road and Freethy Road – A new watermain constructed southerly along Klondike Park Road and westerly on Freethy Road to meet Sunnidale Road. A mix of pen cut construction methods and horizontal directional drilling would be used for this option.

The presence of protected species of flora and fauna within the study was an important factor during the weighing of the different options. Hill's Thistle, largely restricted to the Great Lakes region and the Eastern Hognose snake, which is found in sandy soils close to wetlands are both present in the study area.

The Recommended solution was Option 3 – construction of a new 600-metre watermain through the Park.