

Region of Niagara - Watermain Locate Pilot Project



TSH/TBE mapped
12 km of water
infrastructure

Through amalgamation the Region of Niagara found themselves operating a vast network of underground watermains, many of which they had no record of their location. TSH/TBE completed a Pilot Project to test the use of Subsurface Utility Engineering (SUE) to gather water and wastewater infrastructure information. The pilot involved both a field data collection component and a review of the Regions procedures with recommendations for how to most effectively move forward and manage their water and wastewater assets.

The field portion of the investigation consisted of 12 km of watermain located in St. Catharines, Welland, Niagara-on-

the-Lake, and Thorold. A variety of watermain types were included including cast iron, ductile iron, transite and PVC. The information from the field investigation was compiled on both CAD drawings and in a GIS database.

In total four working papers were incorporated into the final report. They outlined a list of conclusions and recommendations for future locate projects, and for methods of dealing with records and call before you dig requests. With the information contained within the Final Report, the The Region is now well on it's way to establishing a sustainable and effective method of managing it water and wastewater infrastructure.



Client: Region of Niagara

Date: 2002-2003

Location: Various Locations in the Region of Niagara

Project Value: \$ 350,000

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