City of Toronto - District 3
Walsh Avenue / Weston Road Watermain

Investigation revealed a gasmain in the conflict with the proposed watermain route

TSH/TBE completed a Subsurface Utility Engineering (SUE) investigation for the City of Toronto in September 2004. The investigation consisted of an area along Walsh Avenue from Weston Road to Wilson Road and along Weston Road from the 401 ramp to a Wallasey Avenue. The purpose of the investigation was to clearly identify the location of the existing utilities in order to facilitate the design of the proposed new watermain(s).

TSH/TBE started the investigation by collecting available utility record information and using that as a basis for the utility designating. The designating was completed within the corridor for the proposed watermain(s). Electromagnetic cable locate equipment was used for the designating portion of the investigation. Ground Penetrating Radar (GPR) was also used to help define the location of a concrete structure found in one test hole. A number of potential conflicts were identified and a total of 13 test holes were

installed to get the exact vertical depth and size of pipes and structures at critical points.

The investigation was successful in confirming and further refining the exact location of the existing utilities and in addition came up with some major discrepancies from the original utility information provided by the City. One key discrepancy found was the presence of a 12" high pressure gas main in the middle of the Weston ramp that was originally thought to be in the boulevard. This finding will have a major impact on the final routing of the watermain.

The information gathered by the SUE investigation will be a definite asset in the design stage of the project as designers will be confident relying on the available information.

Subsurface Utility Engineers

TSH TBE

Joint Venture