

Regional Municipality of York - Major Mackenzie Drive Feedermain



Several unknown utilities were found along the proposed feedermain route



TSH/TBE completed the Subsurface Utility Engineering (SUE) investigation for the York Region Major Mackenzie Drive Feedermain project in Richmond Hill Ontario, in December 2004. This project was the first significant SUE Pilot project initiated by the Region of York. The investigation was done in co-operation with MacViro Consultants Inc, the Regions primary engineering consultants for the project. The purpose of the SUE investigation was to clearly identify the location of the existing utilities in order to facilitate the design of the proposed new 1050mm/750mm feedermain.

MacViro initiated the records research and provided a topographic survey of the area. TSH/TBE started the investigation by collecting additional utility record information and using that as a basis for the utility designating. The designating was limited to very specific corridors

where the work would take place. Electromagnetic cable locate equipment was used for the designating portion of the investigation. A number of potential conflicts were identified and a total of 4 test holes were installed at critical locations. As the design proceeds it is anticipated that additional test holes will be installed.

The investigation was successful in confirming and further refining the exact location of the existing utilities and in addition identified additional utilities not shown on the record drawings. Some of the utilities found, in particular an unknown utility on the north side of Major Mackenzie could conflict with the location of the new feedermain. The results of the investigation could have a major impact on the final location of the new feedermain.



Client: Regional Municipality of York

Date: January 2005

Location: Major Mackenzie Dr., Richmondhill, Ontario

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