

Region of Peel - Airport Road and Derry Road Intersection



Results of SUE investigation was vital to success of intersection rehabilitation project

TSH/TBE was hired by McCormick Rankin Corporation to complete a Subsurface Utility Engineering (SUE) investigation for a project at the intersection of Airport Road and Derry Road in Mississauga, Ontario. The overall project involved the reinforcing and reconstruction of retaining walls as well as the reconfiguration of sidewalks. The project was initiated because the existing retaining walls in the area were falling over onto the sidewalk.

TSH/TBE initiated the project by completing records research and designating for the utilities around the intersection. The investigation revealed several utilities that ran under the existing

retaining wall at very shallow angles and thus the original idea of drilling caissons every 5m would not be possible, and a new reinforcing method would have to be developed. Test holes were also installed to determine the depth and exact location of Bell structures and Gas lines. The test holes revealed that the bell structure was very shallow and thus the proposed grade changes for sidewalk would require the relocation of a major bell structure.

Overall the information collected during the investigation had a major impact on the final design of the project. Without completing the investigation they Region would have run into major delays and cost overruns.



Client: McCormick Rankin Corporation

Date: 2003

Location: Airport and Derry - Mississauga

Project Value: \$ 12,000

Reference: Bob Rook, P. Eng.,
(905) 823-8500