



SUBSURFACE UTILITY ENGINEERING SERVICES

BRAMPTON, ON

Urban X was contracted directly to the Region of Peel. This subsurface utility engineering (SUE) project involved work along 6km of arterial roads in the east end of Brampton, notably along Dixie Road, Clark Boulevard and Heart Lake Road. The project was initiated to support the design of road expansions and water infrastructure upgrades. The project also included ground penetrating radar surveys and LIDAR measurement of water chambers within the project area. A total of 130 QL-A test holes were completed as part of the project.

Client:

Region of Peel

SUE Project Value:

~\$400,000.00

Completion Date:

2020

Reference:

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Project Manager
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Urban X provided SUE services to support the design of road expansions and water infrastructure upgrades for the East Brampton watermain project.



SUBSURFACE UTILITY ENGINEERING STUDIES

TORONTO, ONTARIO

Client:
City of Toronto

Project Scale:
\$163K

Project Team:
John Scaife, Project Manager
Eric Timoshenko, Quality Manager
Greg Goulet, Field Manager

The Basement Flooding Protection Program is a City wide program aimed at implementing projects that reduce the probability of flooding in local neighbourhoods. In 2014, Urban X was retained by the City of Toronto to provide topographic survey investigations and Subsurface Utility Engineering studies to support the City's Basement Flooding Program Phase 2.

Urban X supplied surveying and utility mapping services over 8.3 km of roadways and parklands within three separate assignment areas in North York. This investigation successfully captured all visible surface features and associated elevations within these study areas, designated 40 line-km of underground facilities and included the inspection of over 500 utility structures. In line with City of Toronto survey standards, the project team ensured that the data was digitally plotted according to the ASCE 38-02 guidelines.



Urban X provided topographic survey investigations and SUE studies to support the City's Basement Flooding Program Phase 2.