



LOCATION

Toronto, ON

CLIENT

City of Toronto

CONSULTANT

WSP

PIPE SIZE

150mm, 300m, 400mm

PROJECT LENGTH

10,478m

BUDGET

\$16,339,788

TIMELINE

June 2020-November 2020

SERVICES INTERNALLY REINSTATED

755

SERVICES REPLACEMENTS

183



PROJECT BACKGROUND

This contract was part of the City’s yearly initiative to rehabilitate it’s aging infrastructure with CIPP watermain relining. The goal of this program is to stop watermain breaks from occurring while giving the main a brand new life. The project focused on a aging 150mm cast iron watermain but also included stretches of 300mm and 400mm watermain.

OVERVIEW

The project was based within a residential pocket of the City’s Willowdale neighbourhood and contained over 900 separate residential service connections. FER-PAL successfully internally reinstated 98.5% of these service connections. This level of success meant very few additional excavations were required limited the impact to the neighbourhood. The minimal amount of excavation mean that over 50 mature trees remained in place rather than being cut down, as would have been required if the watermain had be torn up and replaced. With such a dense residential pocket and the fact the project took place during the COVID-19 pandemic it meant an additional challenge of keeping workers and community members safe. In order to ensure the safe delivery of this project FER-PAL created brand new health and safety protocols to ensure the safety of it’s employees as well as the resident’s of the neighbourhood where the project was located.

Lastly this City added an additional section of watermain on Steele’s avenue that had suffered a break and required an emergency repair. This watermain was responsible for delivering water to one of the City’s largest water users, Sanofi Pharmaceutical. Sanofi required high amounts of water service at all times in order to maintain it’s production capabilities. FER-PAL ensured 24/7 on site customer service in addition to progressive scheduling to deliverer the highest level of customer service. The emergency repair was successfully completed in under a month.