LOCATION
City of Toronto,
various locations

CLIENT
City of Toronto

CONSULTANT
WSP

PIPE SIZE
150mm, 200mm, 300mm

PROJECT LENGTH
7,872m

BUDGET
$10,710,468

TIMELINE
June 2019-November 2019
(Additional streets added in Spring of 2020)

SERVICES INTERNALLY REINSTATED
220

SERVICES REPLACEMENTS
49

PROJECT BACKGROUND

This project was apart of the City's yearly watermain rehabilitation program to address it's aging and failing watermains. This contract included both cast iron and ductile watermains including 830m of main that contained insitu-lined cement mortar that required removal. The City added an additional residential section in the winter of 2019 which was to be completed in 2020 under the same contract.

OVERVIEW

The majority of the contract was located within residential neighbourhoods located across the City such as Laurentide Drive, Hoseyhill Crescent, Port Royal Trail and Nevile Park Boulevard. The watermain on Laurentide Drive contained insitu-applied cement mortar lining which required removing before the CIPP lining was installed. The large amount of residential work meant that a large amount of coordination and communication was required to be successful.

In addition to the residential pockets, this project included sections of watermain on major roadways such as Leslie Street, Kennedy Roud and Resources Road. This required a substantial amount of coordination with several key stakeholders such as the City's transportation department as well as several large water users. One example of this was a branch of the Ministry of the Environment located on Resources Road. This branch accommodated several large water tanks that the ministry used to keep important species of wildlife. These tanks required specific temperatures as well as a constant flow of water. Should there be an issue such as a, water interruption, there was a high risk of harm to the wildlife. FER-PAL was able to complete this project on time without an accident, including ensuring the health and safety of the wildlife on site.