



## LOCATION

Various sites across the City of Hamilton

## CLIENT

City of Hamilton

## CONSULTANT

N/A

## PIPE SIZE

150mm / 200mm /  
300mm / 400mm

## PROJECT LENGTH

6,293m

## BUDGET

\$7,665,591

## TIMELINE

May 2020 to Oct 2020

## SERVICES INTERNALLY REINSTATED

417

## SERVICES REPLACEMENTS

11 upgrades



## PROJECT BACKGROUND

This project was the first year of a four year multi-year tender. The majority of this project was located within residential neighborhoods with 150mm cast iron watermain the primary pipe that was addressed. The City also included several crossings to the tender to address infrastructure that had failed in areas that were not easy to reach such as creeks and highways.

## OVERVIEW

The first year of a four year program, the bulk of this project was located within residential subdivisions including the Southam Park and Rolston neighbourhoods. This project was completed during the COVID-19 pandemic and required FER-PAL to coordinate their work with the residents to ensure minimal water interruptions occurred. An change in protocols were required to ensure the health and safety of each employee and resident on site were required to ensure the health and safety of each employee and resident on site. As very few water service upgrades/replacements were required it meant that a large amount of water services were required to be internally reinstated. There was an added pressure as many services sat above irreplaceable aging trees. Upon completion of this project, FER-PAL was able to avoid the harming or replacement of a single tree.

In addition, to the residential work the City included three creek crossing to the contract, the first crossed Hopkins Creek. The 150mm pipe was over 6-meters deep and had previously broken. FER-PAL installed an internal repair clamp in order to ensure a safe and successful lining. The second crossing required a similar repair clamp however this time it was 400mm and crossed under Mill Street and Spencer Creek. The final crossing was 150mm and ran under the Lincoln Alexander Parkway and Highway 403.

FER-PAL successfully lined each meter within this contract without a single defect.