



# **John Street Watermain Emergency Repair Options**

**Council  
November 24, 2020  
Environmental Services**



## Purpose

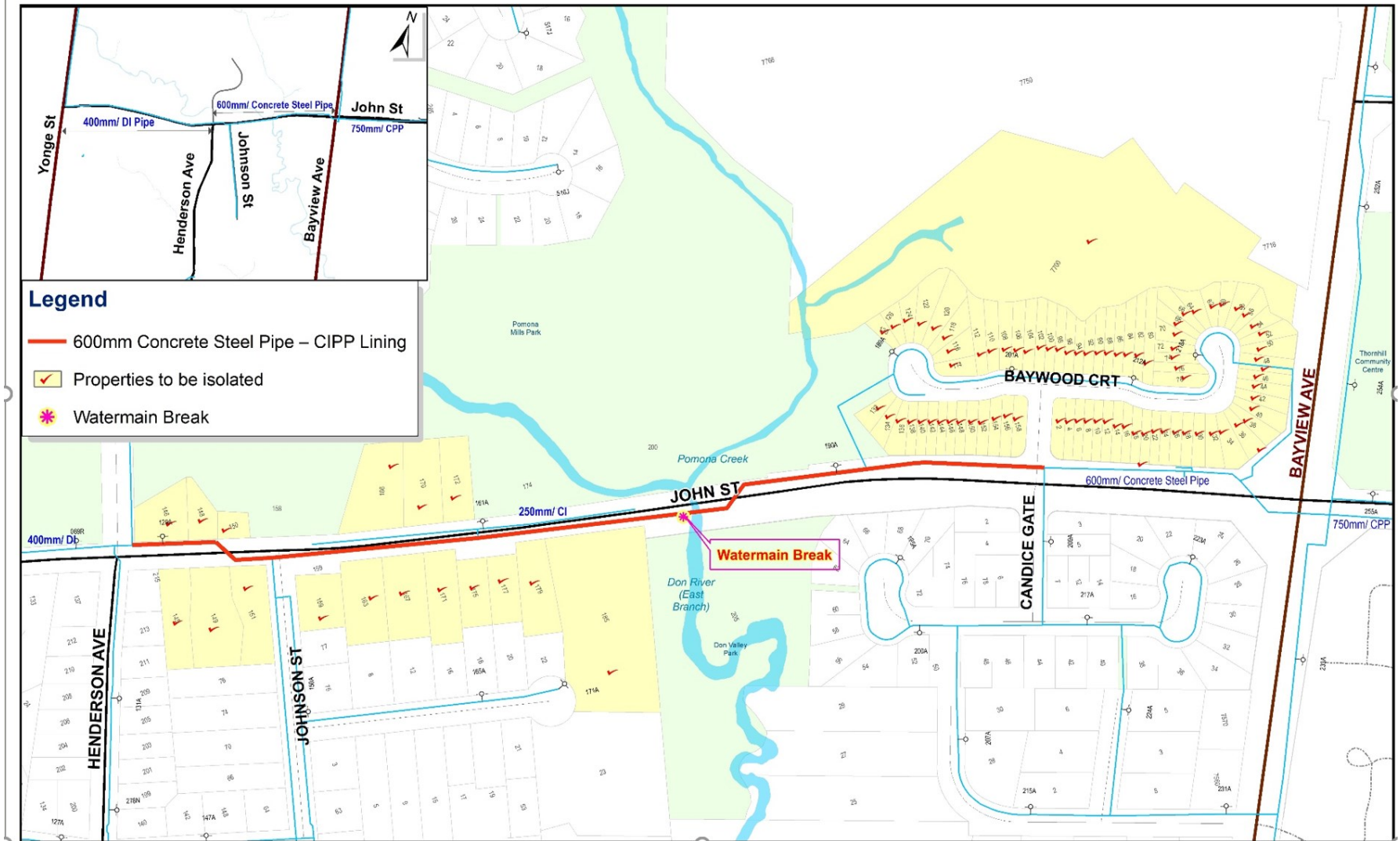
- To obtain approval for the repair methodology for the John Street Water Main Break

## Background

- Watermain break occurred Nov 9, 2020
- Impacting 90 residents and Glynnwood Retirement Home
- Bypass work in progress, will be completed by Nov 30
  - Current watermain is providing service to residents
- Steel pipe encased in concrete – planned replacement in Life Cycle in 2043



## Impacted Area





## Repair Options

- Utilize by-pass already in place

	Spot Repair (Welding)	Line the Pipe (CIPP) – 700m	Replace Pipe
Duration	3 weeks	4 weeks	6 months
Cost (Incl. 10% Cont.+ HST)	\$464,310	\$2,546,320	\$3,691,873
Service Life	No extension	50 year – to 2070	100 years – to 2120
Prevent future breaks	x	✓	✓
Notes	<ul style="list-style-type: none"><li>Condition of watermain unknown</li></ul>	<ul style="list-style-type: none"><li>Ready to implement</li><li>Competitive pricing</li></ul>	<ul style="list-style-type: none"><li>Consultant / design / approval required</li><li>Complexity – directional drilling under creek</li></ul>

Recommend Lining the Pipe (CIPP)



## Financial Considerations

- Environmental Services Staff is requesting approval to fund the projects costs in the amount of \$2,546,320.13 from Waterworks Stabilization/ Capital Reserve and Operating account # as broken down below:

Work Type	Work completed by	Cost
Dewatering	Atlas Dewatering	\$4,884.48
Excavation and Restoration	FDM Contracting Ltd. through existing contract #256-T-17 Routine and Emergency Sewer and Watermain Repairs	\$101,760.00
Surface bypass	Fer-Pal Construction Ltd.	\$284,928.00
Repair	Fer-Pal Construction Ltd.	\$1,923,264.00
	Sub Total	\$2,314,836.48
	Contingency (10%)	\$231,483.65
	Total Cost	<b>\$2,546,320.13</b>
	Operating account # #760-100-5300	\$117,308.93
	Waterworks Stabilization/ Capital Reserve	\$2,429,011.20



## Recommendations

- 1) That the presentation entitled “John Street Watermain Emergency Repair Options “ be received; and,
- 2) That the contract for John Street Watermain Emergency Break Repair using CIPP lining be awarded to Fer-Pal Construction Ltd. in the amount of \$2,208,192 inclusive of HST;
- 3) That the contract for John Street Watermain Emergency excavation of the watermain break location for repair, restore the site to original condition upon completion of repair be awarded to FDM Contracting Ltd. in the amount of \$101,760.00 inclusive of HST;
- 4) That the contract for John Street Watermain Emergency Break Repair for dewatering services be awarded to Atlas Dewatering in the amount of \$4,884.48 inclusive of HST;
- 5) That a 10% contingency in the amount of \$231,483.65 inclusive of HST, be established to cover any additional construction costs and that authorization to approve expending of this contingency amount up to the specified limit be in accordance with the Expenditure Control Policy; and,



## Recommendations

- 6) AND THAT the tender process be waived in accordance with Purchasing By-Law 2017-8 Part II, Section 11.1 (h) which states “where it is necessary or in the best interests of the City to acquire non-standard items from a preferred supplier(s) or from a supplier who has a proven track record with the City in terms of pricing, quality and service.”
- 7) That the total construction cost in the amount of \$2,546,320.13 (inclusive of HST and 10% Contingency) be funded from:
  - a new capital project in the amount of \$2,429,011.20 from the Waterworks Reserve
  - the operating account #760-100-5300 in the amount of \$117,308.93

That Staff be authorized and directed to do all things necessary to give effect to this resolution.