

OPERATIONS COMMITTEE MEETING

32ND STREET EAST AND
EAST BAYSHORE ROAD
WATERMAIN REPLACEMENT
PRESENTATION

CITY OF OWEN SOUND

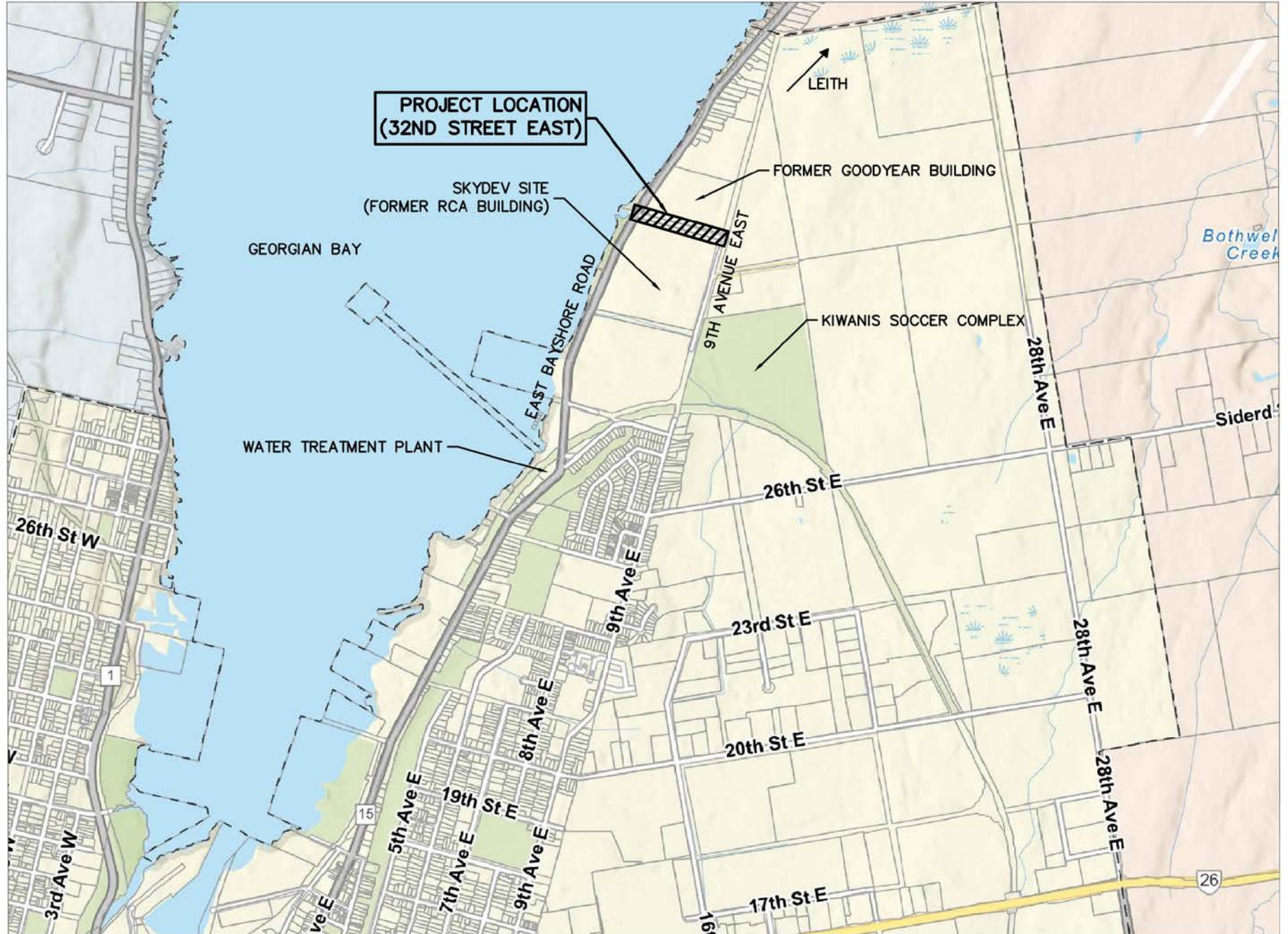
THURSDAY, APRIL 17TH, 2025

25-006





SITE LOCATION: 32ND STREET EAST

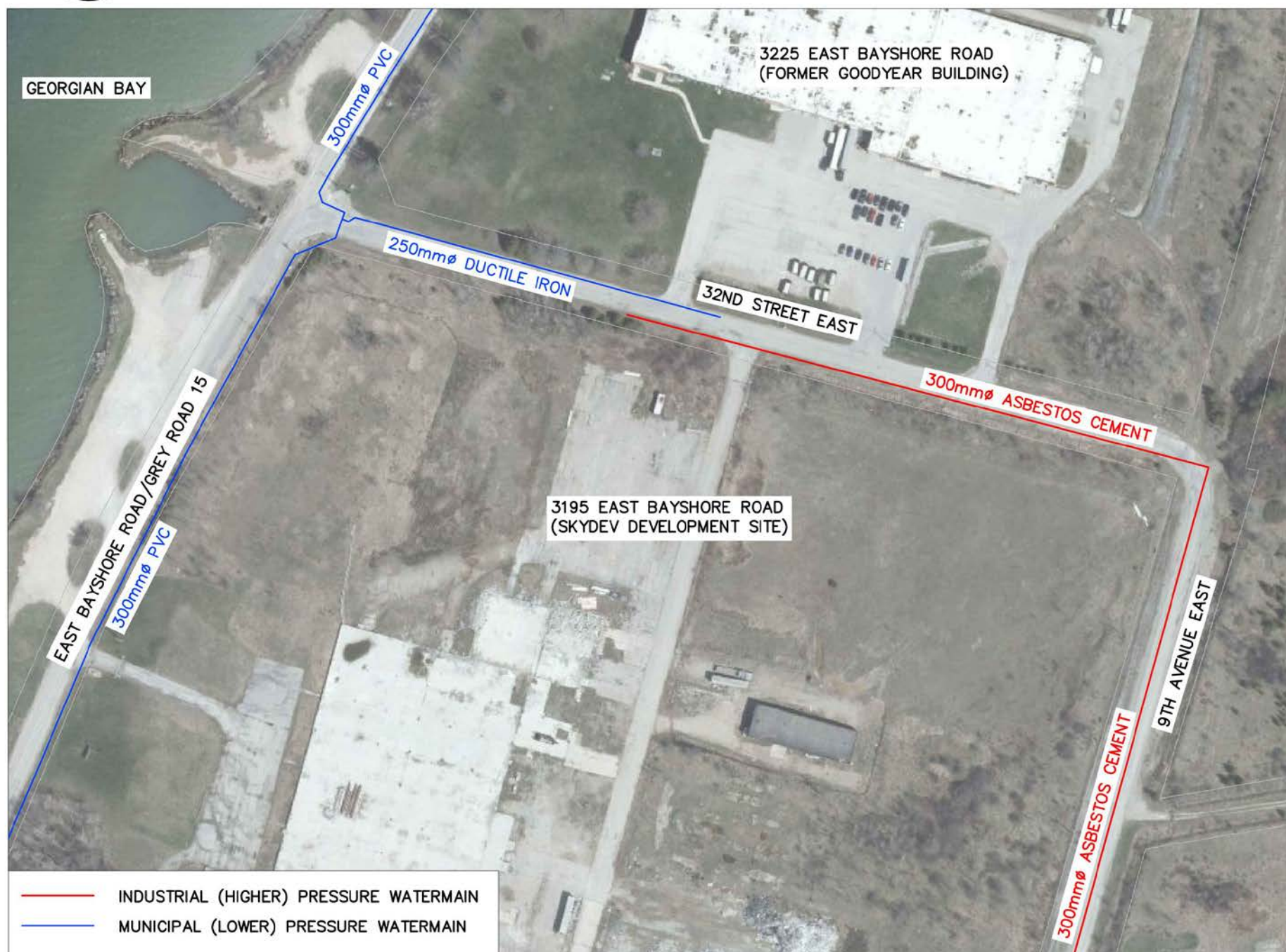


EXISTING SITE, WATERMAINS, AND PRESSURE ZONES

- Former Goodyear building to the north, SkyDev development site (8 multi-storey apartment buildings proposed) to the south, Georgian Bay to the west, vacant land to the east.
- West portion of 32nd Street East has 130 m of 250 mm diameter ductile iron watermain on Municipal Pressure Zone (MPZ). Water pressure approximately 91 psi.
- East portion of 32nd Street East has 230 m of 300 mm diameter asbestos cement (AC) watermain on Industrial Pressure Zone (IPZ). Water pressure approximately 128 psi.
- Currently the two sections of watermain are not connected.
- 300 mm diameter PVC watermain on East Bayshore Road currently diverts around the end of a concrete box culvert.



EXISTING 32ND STREET EAST WATERMAIN



WATERMAIN REPLACEMENT PHASED APPROACH

- Phase 1: Replace west portion of 32nd Street East watermain (from East Bayshore Road to former Goodyear building service), with 135 m of 300 mm diameter PVC.
- Phase 2: Replace east portion of 32nd Street East watermain and north portion of 9th Avenue East Watermain, with 390 m of 300 mm diameter PVC.
- Phase 2 includes installation of a new pressure reducing valve, on 9th Avenue East, to connect the Municipal Pressure Zone (MPZ) and the Industrial Pressure Zone (IPZ).
- Phase 3: Replace and realign 55 m of 300 mm diameter PVC watermain on East Bayshore Road to avoid future culvert extension.
- Phased approach maintains water servicing along 32nd Street East, 9th Avenue East, and East Bayshore Road including the water supply to Leith.
- This project also includes three new fire hydrants along 32nd Street East, replacement of sanitary sewer manholes on 32nd Street East, and replacement of a culvert at the corner of 9th Avenue East and 32nd Street East.



32ND STREET EAST WATERMAIN PROPOSED REPLACEMENT



BENEFITS OF THIS PROJECT

- Improved watermain infrastructure for servicing of proposed and future development including the SkyDev development.
- Pressure reducing valve allows the higher-pressure Industrial Zone to provide backup pressure and flow to the lower-pressure Municipal Zone during large demands such as fire flows.
- Provides a backup feed to the northeast portion of Owen Sound and Leith if East Bayshore Road watermain is down (Municipal Pressure Zone).
- New fire hydrants increase fire protection ability within project area.

PRELIMINARY CONSTRUCTION COST ESTIMATE

Total Cost Phase 1 – 32 nd Street East (West End)	\$319,000
Total Cost Phase 2 – 32 nd Street East (East End) and 9 th Avenue East (North End). Including PRV Chamber.	\$980,000
Total Cost Phase 3 – East Bayshore Road	\$157,000
Additional Sanitary Sewer Work	\$75,000
TOTAL COST (EXCLUDING HST)	\$1,531,000
Approved Total Housing Enabling Water System Funding	\$2,409,000

TENTATIVE PROJECT SCHEDULE

- Submission of 100% Detailed Design: April 18th, 2025
- Submission of Contract Tender Documents: April 23rd, 2025
- Issuance of Tender: April 28th, 2025
- Tender Close: May 27th, 2025
- Award of Construction Contract: June 16th, 2025
- Construction Commencement: June 30th, 2025
- Construction Substantial Completion: September 1st, 2025

Thank you for your interest!

We would appreciate any questions.