



# Zone 4C Water Pressure Improvements

Public Information Centre No. 1

January 28, 2021



## PRESENTATION OUTLINE

Background

Proposed Works

Impacts

Cost

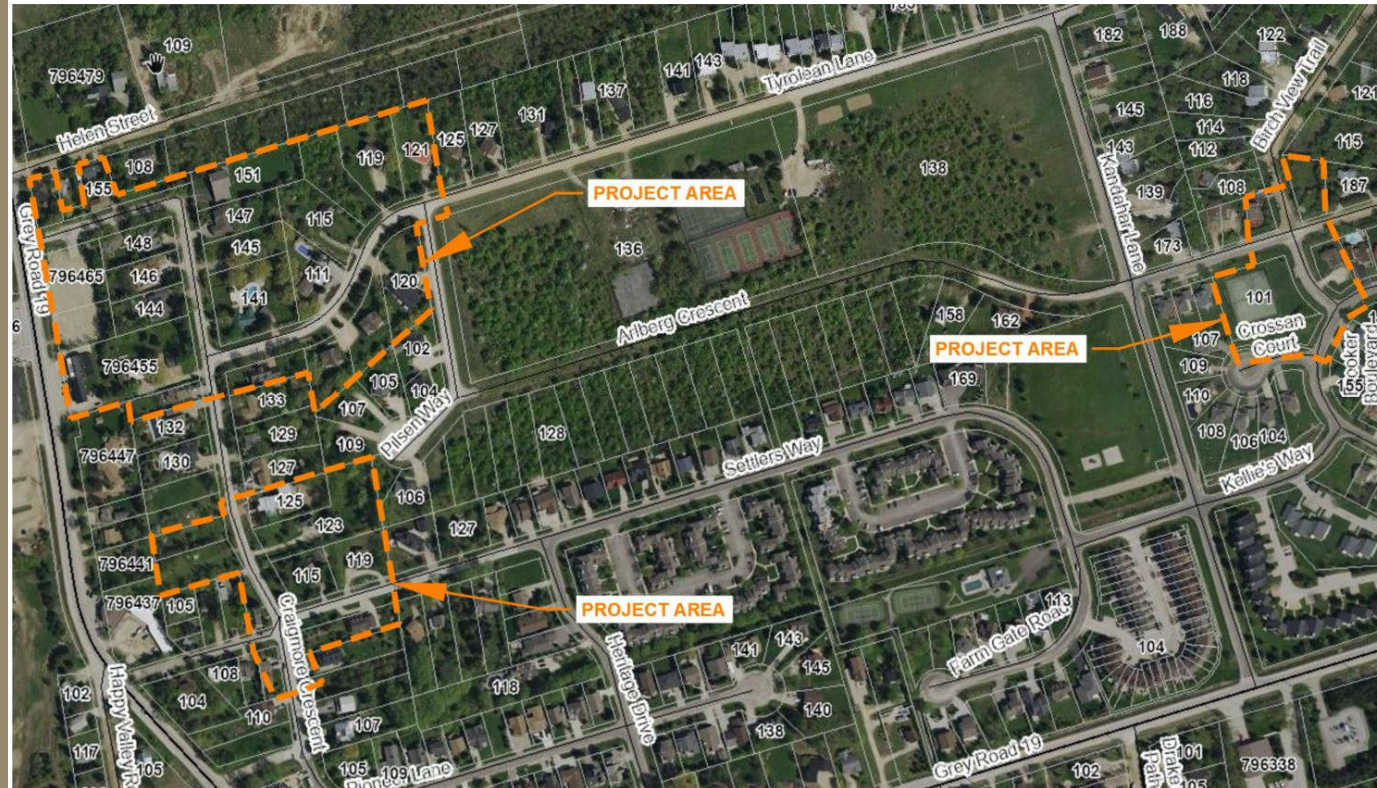
Schedule

Next Steps

Questions

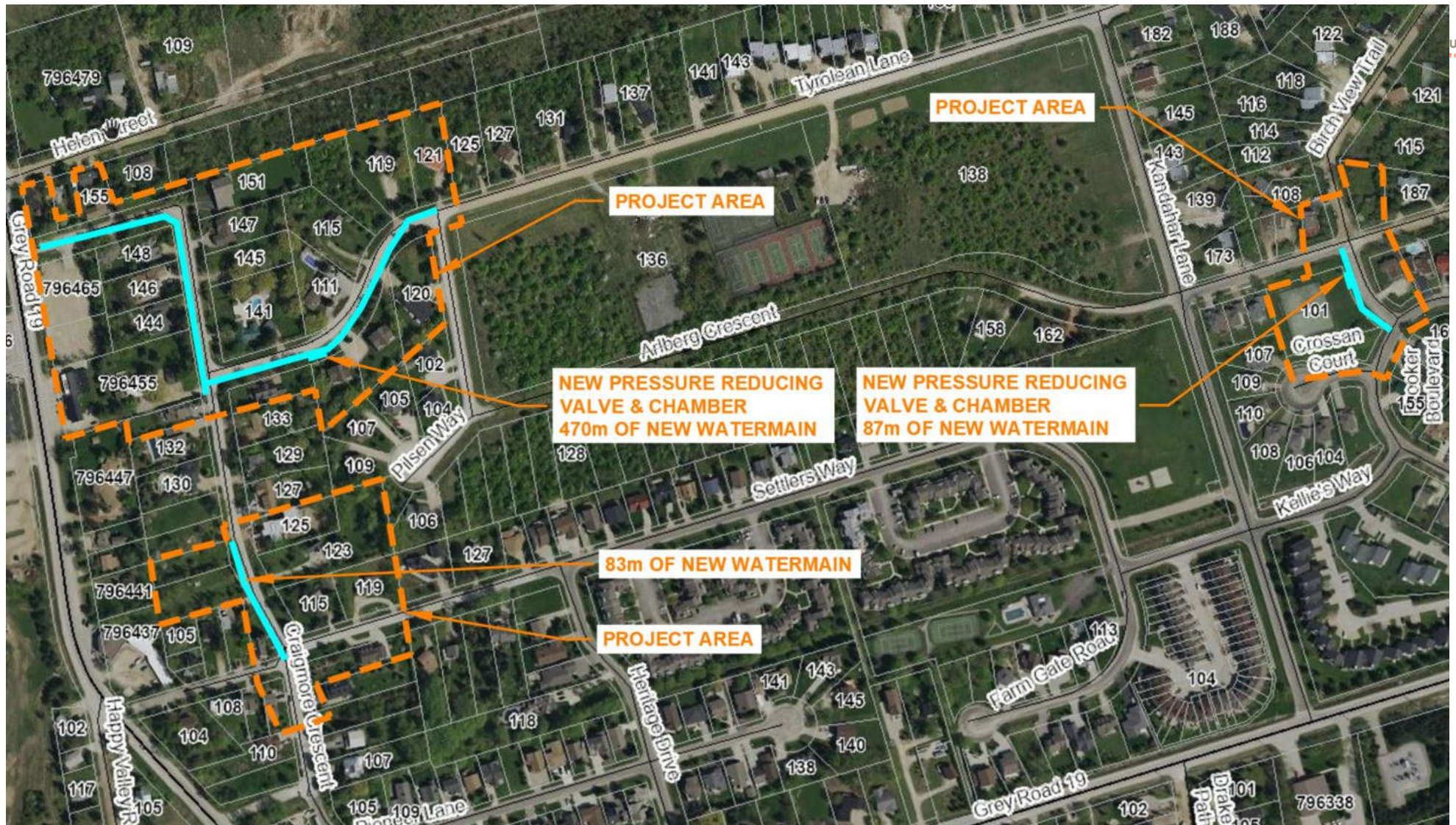
## BACKGROUND

- PROJECT IDENTIFIED IN WATER DISTRIBUTION MASTER PLAN
- WATERMAIN INSTALLED AS PART OF DEVELOPMENT IN 1970'S
- EXISTING WATERMAIN IS OBSOLETE MATERIAL
- ELEVATION ACROSS THE AREA RESULTS IN VERY HIGH PRESSURES AND RISK OF WATERMAIN FAILURE (SIX WATERMAIN BREAKS SINCE 2013)



## PROPOSED WORKS

- NEW REALIGNED WATERMAIN FROM GREY 19 - CRAIGMORE CRESCENT TO ARLBERG CRESCENT INCLUDING AN EXTENSION OF WATERMAIN FROM CRAIGMORE TO SETTLER'S WAY
- NEW INTERCONNECTION BETWEEN ARLBERG AND BROOKER ON BIRCH VIEW TRAIL
- NEW PRESSURE REDUCING VALVES ON TYROLEAN LANE AND BIRCH VIEW TRAIL
- REPLACEMENT OF WATER SERVICES FROM WATERMAIN TO PROPERTY LINE
- REINSTATEMENT OF SURFACE OVER WATERMAINS TO MATCH EXISTING





## Construction

Environmental Impacts (Dust, Noise)  
Risk of Tree Damage/Removal but tree protection will be part of design  
Driveways  
Garbage/Recycling Pick-up  
Postal Box Access



## Water Supply

Temporary Water Supply and Shutdowns



## Access

Traffic Impacts (Temporary Closures)  
Minor Access Limitations  
Driveway Reinstatement

PROJECT IMPACTS

## PROJECT BENEFITS

- Improved Water Pressure (Consistent)
- Improved Fire Protection Capacity (Hydrants and Flow)
- Lower Risk of Watermain Breakage
- Operation and Maintenance Advantages

## COST

- Estimated Cost: \$1.2 million +/- 15%
- Cost Variations
  - Extended project area (Tyrolean/Arlberg, Tyrolean/Craigmore) for connections
  - Full single lane width reconstruction due to existing roadway alignment.
- Infrastructure Renewal Project
- Paid for through Residential Water Rates.
- No direct cost to ratepayer.
- If ratepayer wishes to relocate their water service, there would be additional costs for private side work.



## SCHEDULE



Tender Issue – February 2021



Construction Start – May 2021 (12-16 weeks of construction)



Construction Completion – Late Summer 2021



REVIEW AND ADDRESS  
PUBLIC COMMENTS



FINALIZE DESIGN OF  
PROJECT FOR  
TENDERING



COMPETITIVE  
CONSTRUCTION  
TENDER PROCESS



AWARD  
CONSTRUCTION  
TENDER



COMMENCE  
CONSTRUCTION

NEXT STEPS

# Thank you for your time Questions?

For additional project information and updates go to:

<https://www.thebluemountains.ca/pressure-zone-4c-water-distribution-improveme.cfm?is=27>

---

Jamie Witherspoon, P.Eng. – President  
WT Infrastructure Solutions Inc.

[jamie.witherspoon@wtinfrastructure.ca](mailto:jamie.witherspoon@wtinfrastructure.ca)

