William Street Water Supply System
Detailed Design and Construction
Public Information Centre
September 7, 2022
Purpose of this Public Information Centre

- Introduce the project and explain why it is being undertaken
- Provide background on the William Street Pumping Station
- Answer any questions you may have on the design and construction
The Story So Far...

- The William Street Water Supply System is located at 17-23 William Street East in Waterloo. The site consists of the William Street Pumping Station, Reservoir, and five production wells.
- A Class Environmental Assessment (2016) recommended the design for connecting these supply systems.
- Recommendations were also developed to minimize overall impacts to heritage structures, transportation corridors, (roads, sidewalks, trails) and businesses.
- The design of the William Street Pumping Station is now underway in this project.
Purpose of the Project

- **Improve water quality** within the William Street Water Supply System by providing centralized treatment at the newly constructed Strange Street WTP.

- **Improve reliability** of the water supply system by connecting more well sources to the Strange Street WTP.

- Centralized treatment at the Strange Street Water Treatment Plant **minimizes capital and operation and maintenance costs**.
William Street and Strange Street Water Supply Systems and Distribution

This depicts the connection of the William Street and Strange Street wells to the Strange Street Water Treatment Plant through existing raw watermains.
Key Project Components

- CONCRETE POND
- NEW WELL
- PARKING

- REMOVALS
- ADDITIONS
- REMAINS

- EXISTING RESERVOIR
- WELL 1C BUILDING
- W2 & W2A BUILDING
- VALVE CHAMBERS
- PUMPING STATION
- PARKING
- NEW WELL HOUSE
- STORAGE BUILDING
- WELL 1B BUILDING
- DRIVEWAY
New William Street Well House

View from William Street
New William Street Well House

View From William Street Entrance
New William Street Well House

View Towards Herbert Street
What To Expect During Construction

Effects

Noise and Vibration

• Some intermittent noise and minor vibration effects from construction traffic and equipment.
• Appropriate working hours will be followed and compliance with local noise by-laws.
• All construction equipment will be equipped with muffling devices to minimize noise.

Truck Traffic

• Construction activities will be confined to the project site.
• Temporary lane closures will include appropriate traffic management.
• Residents in the immediate vicinity of the sites will be notified of any road closures in advance.
• Best practices for vehicle and pedestrian safety will be employed.

Dust / Mud

• Construction traffic could create additional dust and mud at times. Best practices will be applied to keep vehicles clean.
• Application of water to be implemented as required to minimize dust.
Next Steps

William Street and Strange Street Water Supply Systems
Class Environmental Assessment (2016)
Included 4 Public Consultation Centres

Detailed Design
Prepare the architectural and detailed design package
Public Information Centre
September 2022

Permits and Approvals
Site Plan Approval & Consultation with the City of Waterloo Heritage Committee
Summer/Fall 2022

Construction
Anticipated May 2023 to September 2024

We Are Here