

William Street Water Supply System

Detailed Design and Construction

Public Information Centre

September 7, 2022



Region of Waterloo

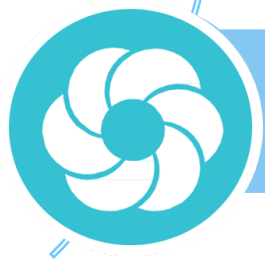
Purpose of this Public Information Centre



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...



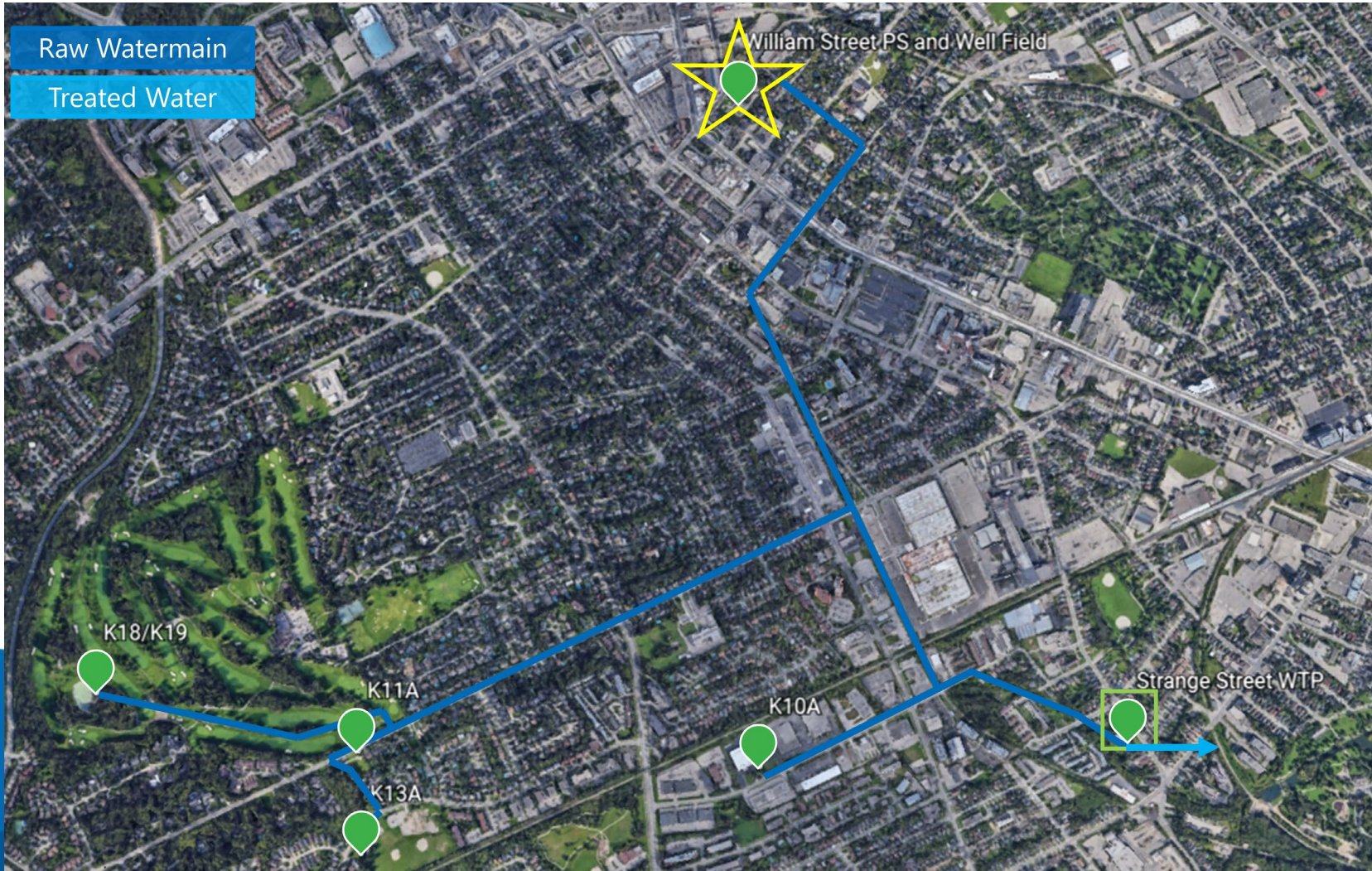
- The William Street Water Supply System is located at 17-23 William Street East in Waterloo. The site consists of the William Street Pumping Station, Reservoir, and five production wells.
- The Region's Water Supply Master Plan (2012) recommended connecting the William Street and Strange Street Water Supply Systems, providing centralized treatment of the well supply.
- 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.**

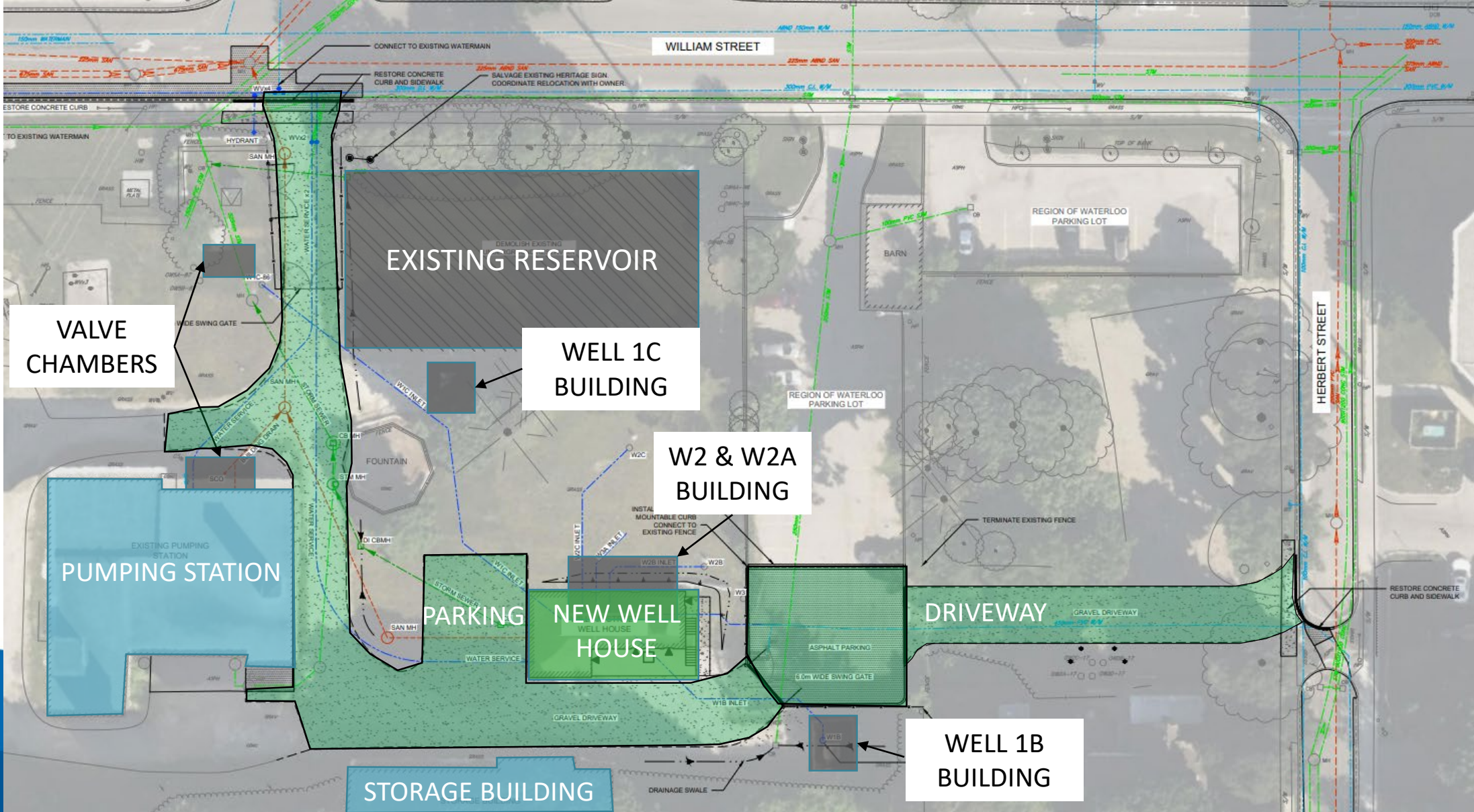
William Street and Strange Street Water Supply Systems and Distribution



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

- REMOVALS
- ADDITIONS
- REMAINS



New William Street Well House



View from William Street

New William Street Well House



New Well House



View From William Street Entrance

New William Street Well House



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.

Mitigation Measures

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

We
Are
Here

Permits and Approvals

Site Plan Approval & Consultation with the City of Waterloo Heritage Committee

Summer/Fall 2022

Construction

Anticipated
May 2023 to
September 2024