

St. Joseph Storm Pumping Station and Outfall

Contract No. CP000664

Public information session
November 19, 2025

Land acknowledgement

We recognize that Ottawa is located on unceded territory of the Anishinabe Algonquin Nation.

We extend our respect to all First Nations, Inuit and Métis peoples for their valuable past and present contributions to this land.

We also recognize and respect the cultural diversity that First Nations, Inuit and Métis people bring to the City of Ottawa.

Welcome

Welcome to the online public information session for the St. Joseph Storm pumping station decommissioning and outfall rehabilitation and Cathcart, Rose and Bruyère streets integrated reconstruction project. The purpose of this session is to present the detailed design to the public, receive feedback, identify next steps in this process, and inform residents of the future construction activities.

We encourage you to provide your comments by phone or email as noted on the last page of this presentation. **Please review the information presented and provide your comments by December 3, 2025.**

The City has a proactive communications approach. The project team will update you on the project using different methods to communicate including letters and posting information on ottawa.ca/StJosephPumpingStation.

Presentation agenda

- Project limits
- Project background
- St. Joseph pumping station decommissioning
- Underground upgrades
- Road/Surface upgrades
- Road design
 - Sidewalks
 - Traffic calming measures
 - Streetlighting
- Construction impacts
- Next steps



Project limits



Project background

The existing St. Joseph pumping station and outfall to the Rideau River were installed in the early 1970s and require rehabilitation as they have reached the end of their lifecycle.

A new 600mm diameter bypass storm sewer will be constructed from the pump station to King Edward Avenue.

As a result of this new bypass storm sewer being installed, the City will also be upgrading stormwater and watermain infrastructure in the project area and upgrading the roadways to include traffic calming measures and widened sidewalks.

There are two main components to this project:

- Pump station decommissioning and outfall rehabilitation
- Cathcart, Rose and Bruyère streets underground and surface upgrades



Pump station decommissioning

The St. Joseph pump station currently operates under two scenarios:

- When Rideau River water levels are **low**, stormwater or snowmelt discharges to the river through an open 'flap gate' or backflow prevention device.
- When Rideau River water levels are **high**, submerging the pump station, the 'flap gate' closes to prevent river water from flowing up the storm sewer and storm water and snowmelt is pumped to the river.



Pump station decommissioning

The pump station decommissioning work includes:

- Repairing the existing concrete structure if needed
- Removing the old pump and electrical components
- Replacing the existing backflow prevention device with a newer style
- Installing stop logs to allow for maintenance of the chamber when Rideau River water levels are high
- Rehabilitating the existing storm sewer outfall pipe using sliplining technology to limit disruption to Bordeleau Park



Pump station decommissioning

How will it work?

- When Rideau River water levels are **low**, water will continue to flow through the new backflow prevention device to the Rideau River.
- When Rideau River water levels are **high**, water will flow through the new 600mm bypass storm sewer to King Edward Avenue (and ultimately the Ottawa River) as there will no longer be a pump.

This new configuration is an engineered system and City hydraulic modelling studies show that there is capacity within the overall system without causing additional flooding risks by removing the pump.



Underground upgrades

The underground work includes:

- Installing a new 600mm bypass storm sewer to redirect some flows away from the pump station to King Edward Avenue
- Replace the existing 1948 unlined cast iron watermain on Bruyère Street with a new 300mm watermain
 - New services to property line
 - Hydrants to be replaced in the same location
- New catch basins in certain areas to drain storm water

Existing sanitary sewers are in good condition and will not be replaced.



Road/surface upgrades

The scope of road/surface work includes:

- Full road reconstruction, including **new asphalt**
- Replacement of curbs and **wider sidewalks** in select areas
- Improved public safety with the installation of **traffic calming measures**
- **New streetlighting**

Roads within the project area are generally being maintained at the same width as existing.

Consideration has been given for the protection of mature trees to preserve the character of the community.



Sidewalks

New concrete sidewalks are planned as part of this project to help improve pedestrian navigation of the community and the safety of all road users.

New sidewalks will be constructed:

- On both sides of Rose Street
- On both sides of Bruyère Street (sidewalk directly in front of Waterstreet Apartments will be protected, if feasible)

Sidewalks will be 2.0m wide and may narrow to 1.5m to 1.8m around mature trees or when connecting to existing sidewalks.

The sidewalk on Cathcart Street is not planned to be replaced.



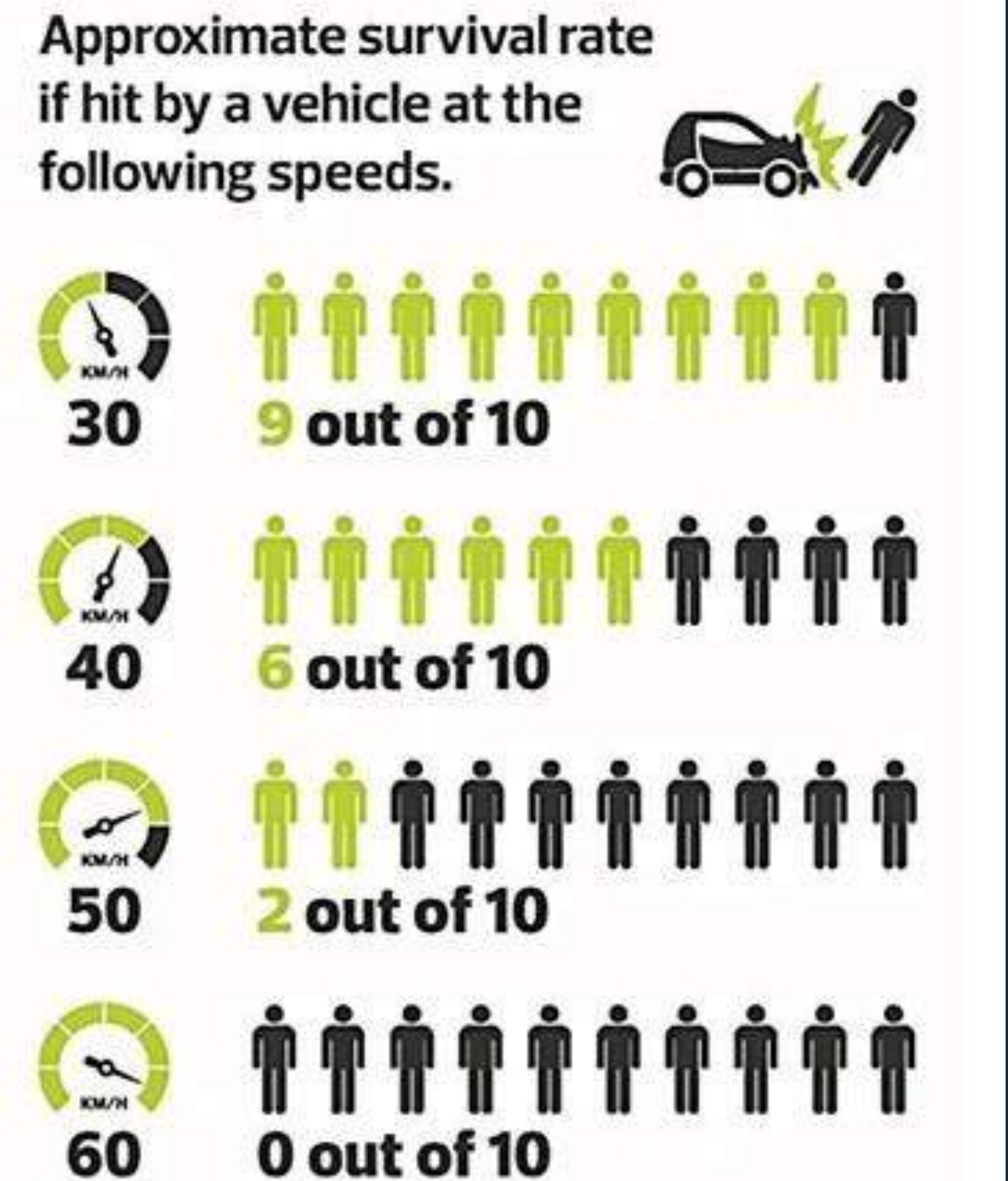
Increasing safety in your community

Under the direction of the City's *Strategic Road Safety Action Plan* (RSAP), all new or reconstructed local residential streets are to be designed for a **30 km/h** operating speed.

This decision follows a safe systems approach to road safety and echoes the City's commitment to the ***Vision Zero*** concept that one fatality or serious injury is one too many.

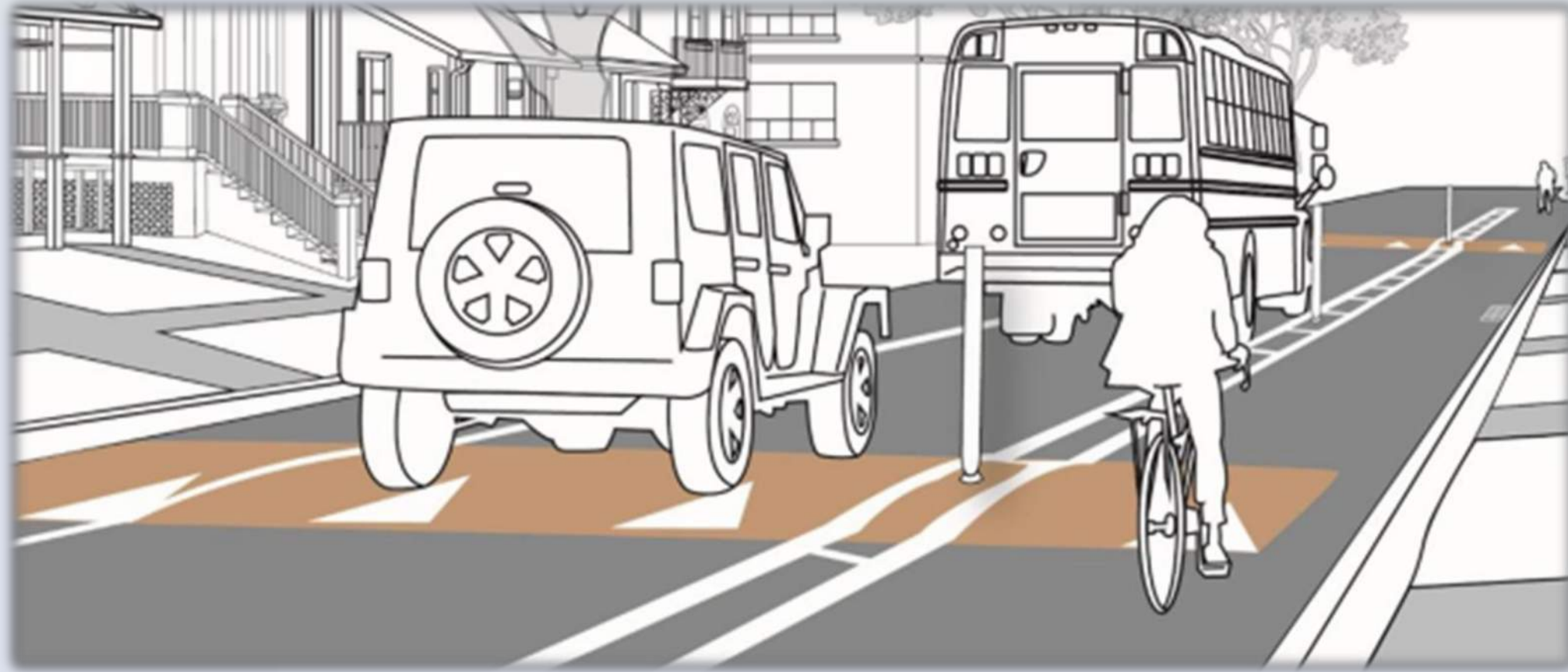
Speeding is the number one factor in collisions, fatalities, and major injuries on Ottawa roads.

Your safety is our first priority.



Source: Adapted Version of survival rates of pedestrians in relation to vehicle speeds, World Health Organization 2009, © 2021 by City of Edmonton.

Traffic calming



➤ Speed humps

- 2 on Cathcart Street
- 1 on Rose Street
- 2 on Bruyère Street



➤ Raised crosswalk

- Raised crossing on east leg of Rose Street and Bruyère Street intersection



➤ Bulb-outs/Curb extensions

- Intersection of Rose and Bruyère streets
- 2 mid-block on Bruyère Street to protect mature trees

Existing parking regulations will be reinstated, with the exception that no parking will be permitted at or opposite curb extensions.

Increasing safety in your community

By using these traffic calming options within your community, we aim to achieve the City's goal to reduce the average operating speed in your community to 30km/hr.

In addition, these design measures will make the streets more accessible to all users by being consistent in design, have intuitive and predictable routes, and include tactile walking surface indicators at curbs.

The design choices included in this project were made to reduce speeds for the safety of all roadway users and to make or exceed the standards for accessibility.

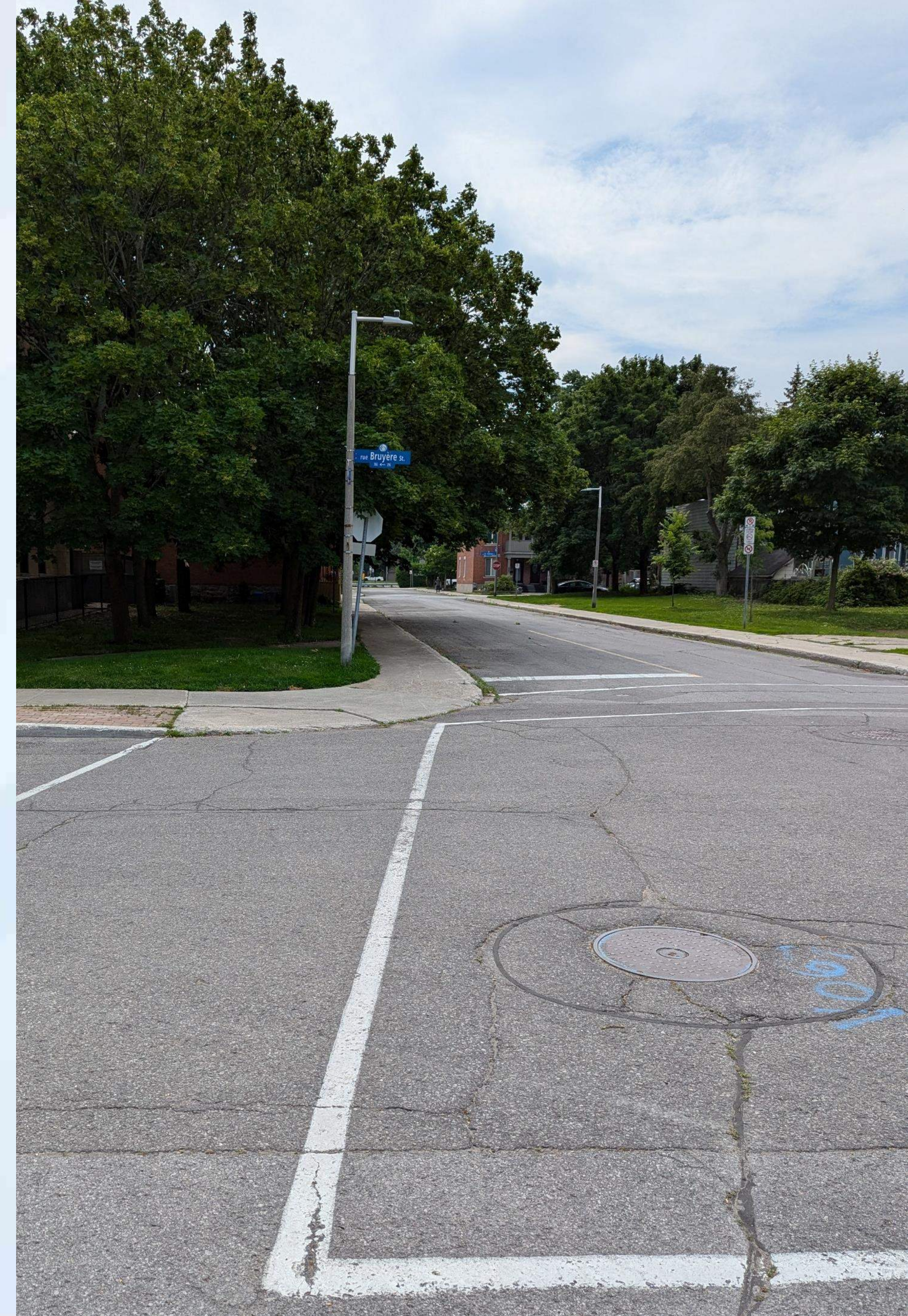
Your safety is our first priority.



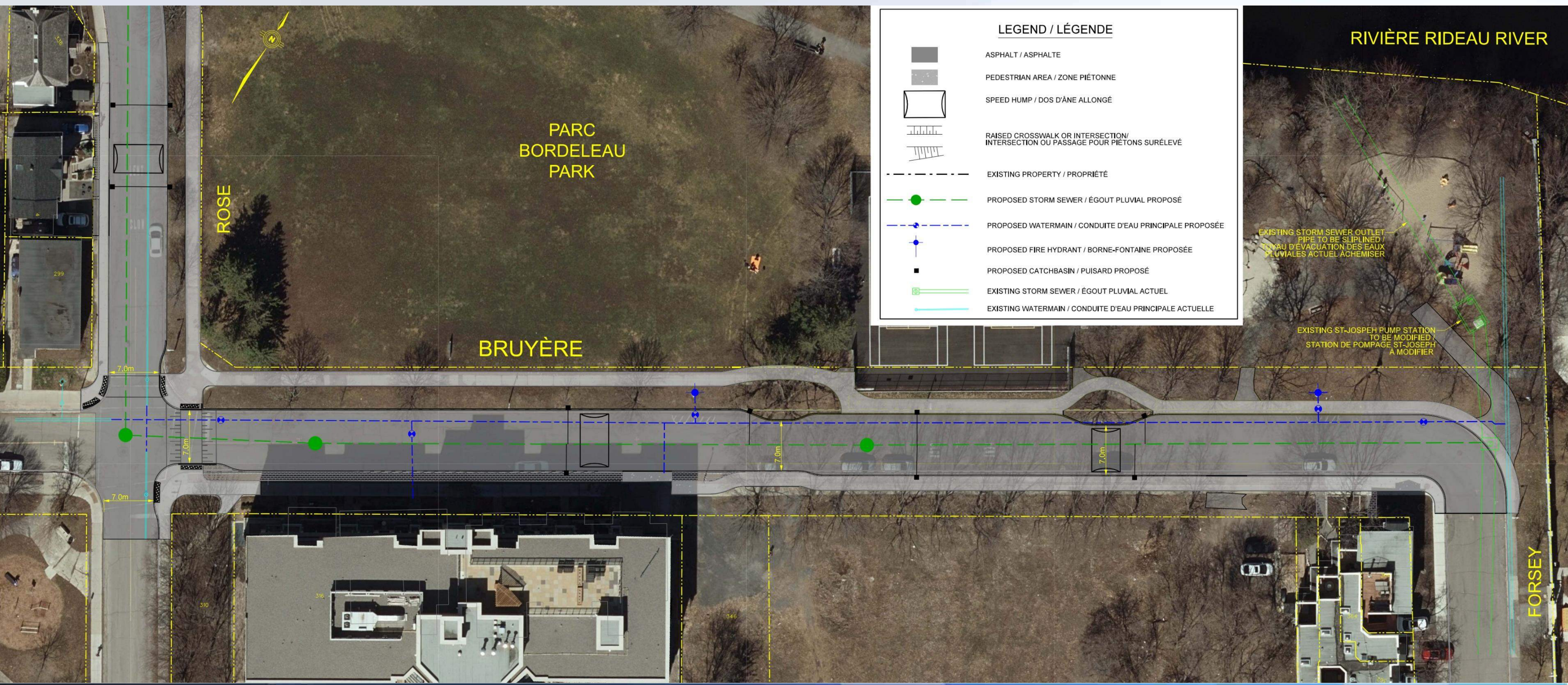
Streetlighting upgrades

Existing streetlighting may not be sufficient to adequately illuminate the proposed changes to the roadway, including new sidewalks and pedestrian crossings at intersections.

The City has completed the design of new and updated streetlighting to improve safety within the community.







Construction impacts

Noise

- Activity on this project will generate general construction noise, typically on weekdays between 7 am and 7 pm. The City of Ottawa Noise By-law (2017-255) allows construction activity to occur:
 - Weekdays and Saturdays: 7 am to 10 pm
 - Sundays and statutory/public holidays: 9 am to 10 pm
 - The contractor may request an exemption to permit construction outside of these hours

Vibrations

- Construction activities will produce low intensity ground vibrations. This is common and unlikely to cause damage to adjacent structures.
- A pre-construction survey will be completed of private properties (subject to property owner approval). Additional details will be provided prior to construction.

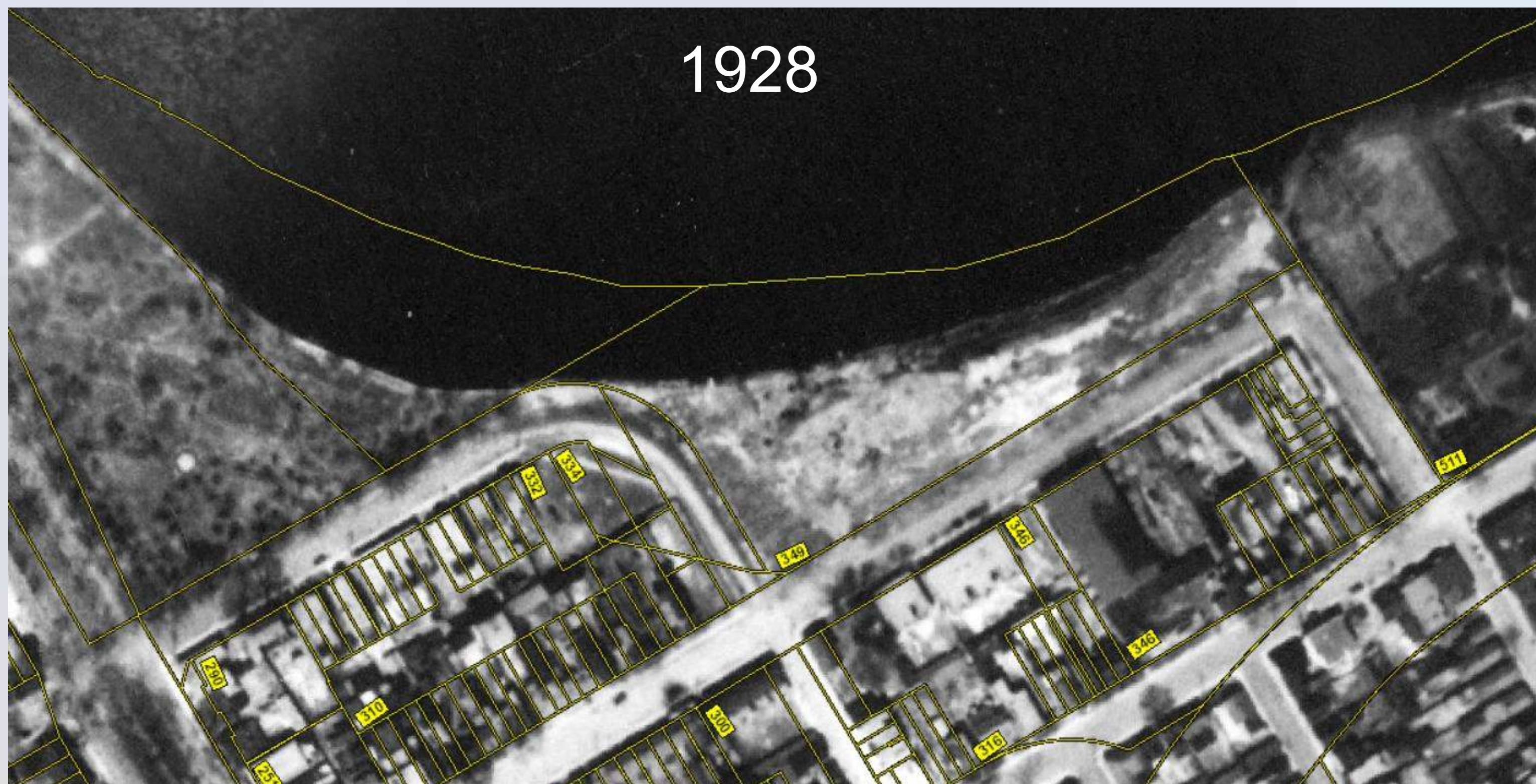
Drinking water

- Temporary water services will be provided to residents on Bruyère Street during watermain replacement. Short term water interruptions in the area are necessary and residents will be informed in advance.

Construction impacts

Dewatering / Settlement monitoring

- A portion of Bordeleau Park (east of Rose Street and north of Bruyère Street) was a former landfill closed in 1926.
- Mitigation efforts will be implemented such as dewatering treatment, and removal of excess soil which will be disposed of at a licensed facility.
- Settlement monitoring will be in place during construction and monitored.



Construction impacts

Pedestrian access

Accessibility is an important consideration for the City, and we will make every effort to provide access through and around the construction zone. Pedestrian access to homes, the Waterstreet Apartment building and Bordeleau Park will be maintained at all times. Please contact the project team if you require disability-related accommodations during construction.

- Access to the Waterstreet Apartment south entrance on St. Andrew Street will not be impacted. It is recommended that residents use this entrance for deliveries and pick-up/drop-off, when possible.
- At times cyclists may be required to be detoured around construction or they may have to dismount and walk.
- No OC Transpo stops on King Edward Avenue or St. Patrick Street are anticipated to be impacted during construction.

Construction impacts

Bordeleau Park

- Access to Bordeleau Park, tennis courts and the splash pad will be maintained at all times.
- Construction work near the pump station and outfall will require some areas of the park to be closed (primarily the play structure area) for the protection of the public.
 - The City will try to schedule this work during periods of infrequent use (late fall to early spring) to lessen the impact on the community.

Landscaping

- The contractor will do their best to limit impacts to the existing landscaping and vegetation.
- Any disrupted landscaping features, driveways and/or walkways will be reinstated. If work is required on private property, the homeowner will be notified in advance.



Construction impacts

Traffic flow

Throughout construction there will be temporary disruptions to traffic flow. Road closures with local traffic access will be required throughout construction on Bruyère, Rose and Cathcart streets.

- On-street parking may be temporarily prohibited at times during the construction period in specific areas. During these times, parking will be permitted in other areas of the project and on side streets. Signs will be placed in advance indicating any parking prohibition.
- Short term driveway access restrictions will be required when construction is right in front or in proximity of the driveway. Contractor is required to provide 48-hour advanced notification to residents, who will also be provided with on-street parking pass.
- Access to the Waterstreet Apartment building parking garage will continue to be provided; however, as with private residences, if short-term vehicle access restrictions are required, 72 hours of notice will be provided to the residents and temporary on-street parking permits will be issued.
- During reconstruction, Forsey Street at St. Patrick Street may be temporarily converted to a “right-in, right-out” intersection so residents can access their homes. All construction detours will be signed.

Next steps

- **Tender phase:** early 2026
- **Construction duration:** Scheduled to start in **spring 2026**, pending council budget approval, and be completed by **fall 2027**.
- **Construction phasing:** Not all roads will be under construction at the same time. The contractor will determine preferred sequencing of when streets will be reconstructed.

Notices will be sent out to property owners in advance of construction commencing.

Stay up to date on the project by following the project website:

ottawa.ca/StJosephPumpingStation.

Thank you!

We welcome your feedback. All information/comments received will be maintained on file for use during the design and may be included in design documentation. Except for personal information, all comments will become part of the public record. Comments are due by **December 3, 2025**.

Accessible formats and communication supports are available, upon request, at the following link: ottawa.ca/accessibleformat

City Project Manager:

James Porter, P.Eng.

Senior Engineer, Infrastructure Projects

Infrastructure & Water Services Department, Design & Construction – Municipal

City of Ottawa

100 Constellation Drive, Ottawa, ON K2G 6J8

Tel: 613-580-2424, ext. 30339

Email: james.porter@ottawa.ca

