Welcome to the

Water & Wastewater Master Plans and Pollution Prevention & Control Plan

Public Information Centre #1

Utilities Kingston

Safety Integrity Innovation Reliability

Class Environmental Assessment (EA) Process

The Project will be completed as an Approach 1 Master Plan, completing Phases 1 and 2 of the Class EA Process

We are Here

Phase 1

- Identify existing conditions, future needs, and problem and opportunity statement
- Notice of Commencement and PIC #1
- Consultation (PIC #1)

Phase 2

- Identification and detailed evaluation of alternatives
- Identified preferred solution
- Notice of PIC #2
- Consultation (PIC #2)
- Notice of Master Plan Completion

Project File Report

- Prepare Project File Report documenting Phases 1 and 2 for 30-day review period

Implementation

- Conceptual design of preferred solution
- Consultation
- Implement the preferred solution

Timeline

June 2007
Master Plan for Water Supply for the City of Kingston Urban Area

January 2010
City of Kingston Official Plan Approved

February 2014
Water Master Plan update for Kingston East Water System

August 2017
Kingston Official Plan Five-Year Review

2025
Water and Wastewater Master Plans and Pollution Prevention and Control Plan update for City of Kingston

2010 | 2015 | 2020 | 2025

September 2010
Sewage Infrastructure Master Plan for the City of Kingston Urban area

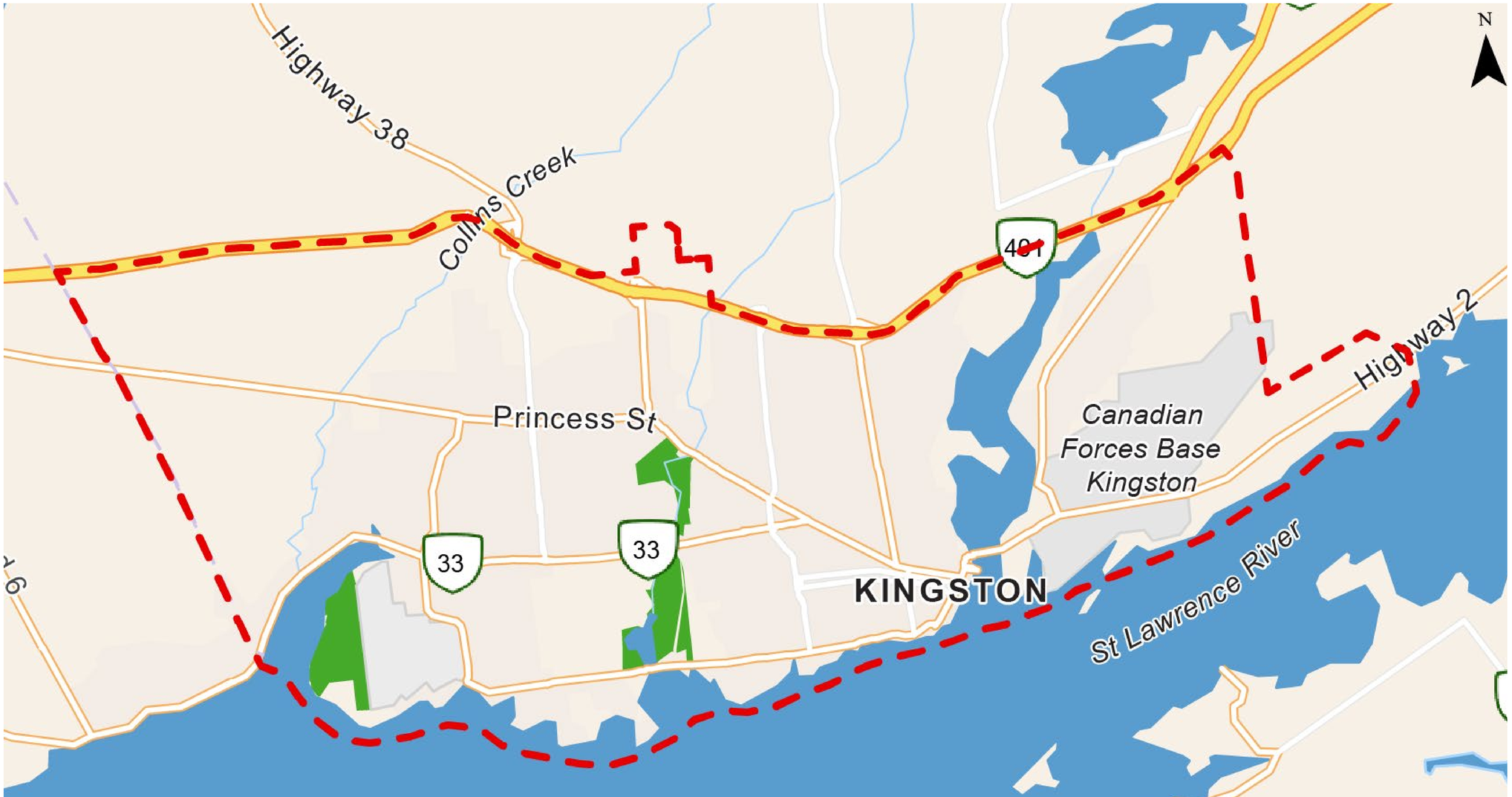
February 2017
City of Kingston Water and Wastewater Master Plan Updates

2025
City of Kingston Official Plan

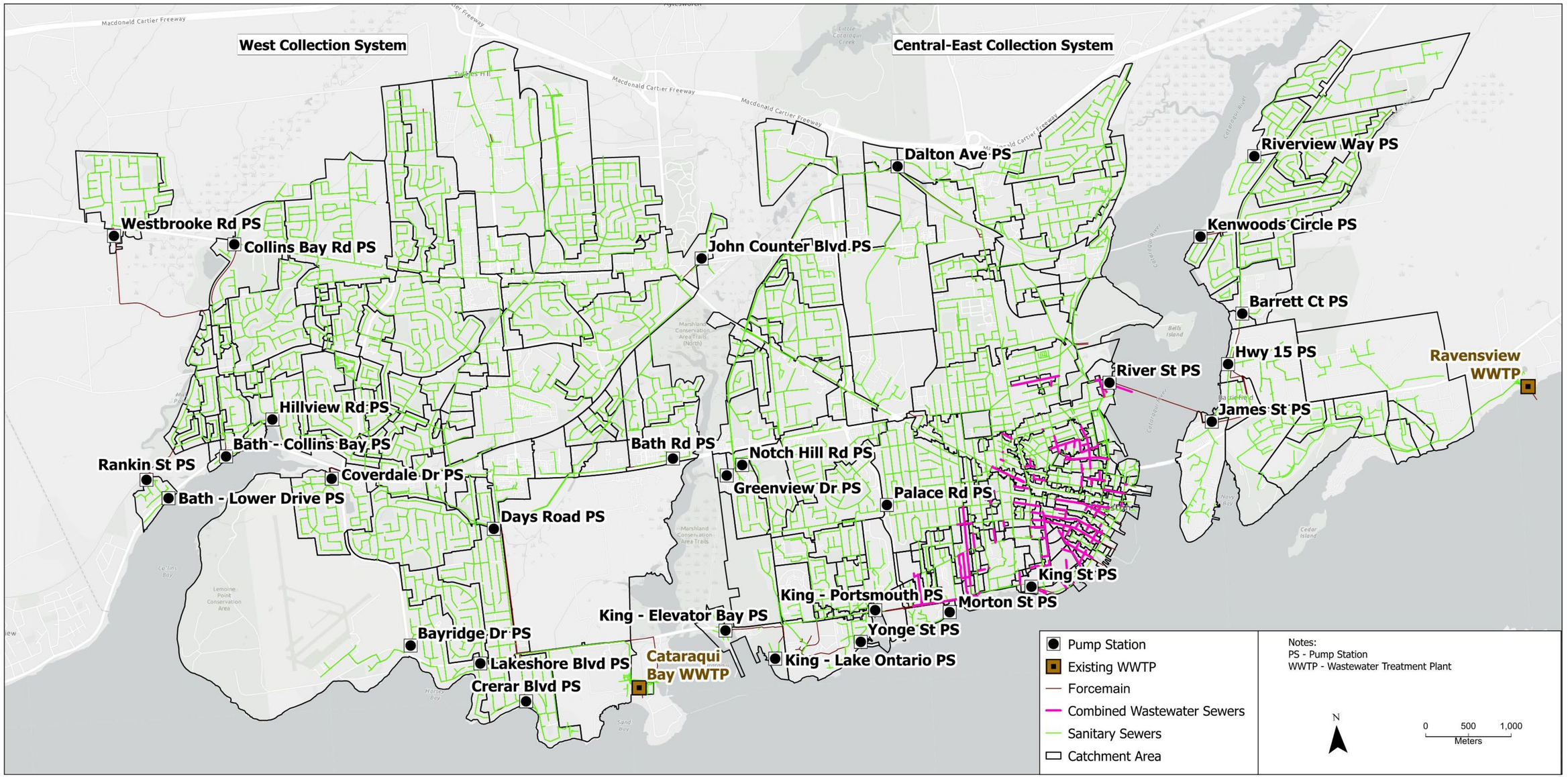
Problem and Opportunity Statement

The City of Kingston is expecting significant population, housing and employment growth over the study planning horizon requiring a combination of intensification, infill and urban boundary expansion. The Study provides the opportunity to plan for safe and reliable integrated water and wastewater infrastructure and pollution prevention while minimizing impacts on natural, cultural and social features to ensure service excellence in the City of Kingston now and in the future.

Figure 1: Water and Wastewater Master Plan and Pollution Prevention and Control Plan Study Area



Existing Wastewater Collection System



Wastewater Collection System Components:

- 2 Wastewater Treatment Plants
- 30 Pump Stations
- 3 Combined Sewer Overflows
- 548 km Sewers
- 33 km Forcemains

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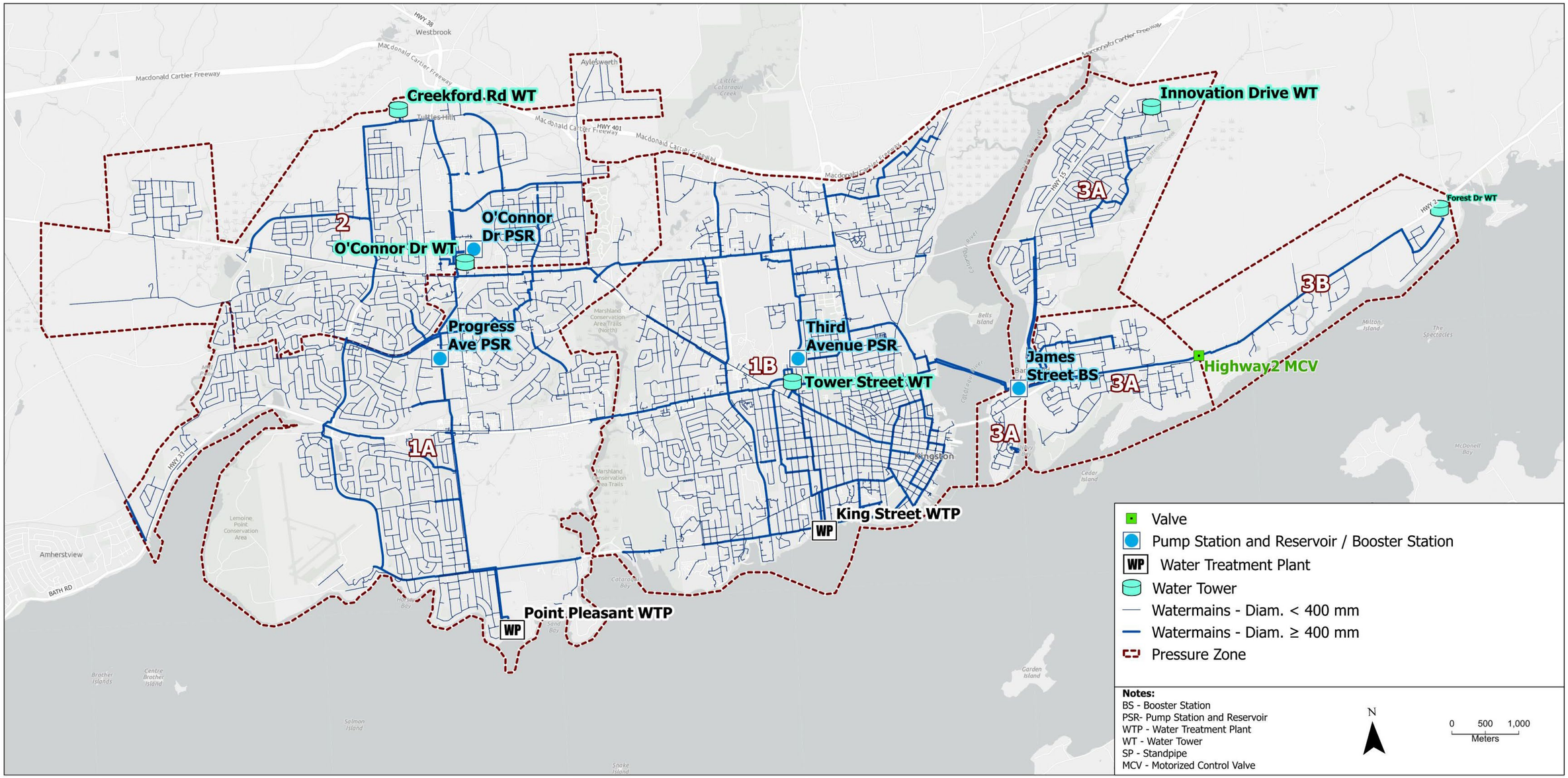
Existing Water Distribution System



Water Distribution System Components:

- 5 Pressure Zones
- 2 Water Treatment Plants
- 5 Water Towers / Standpipes
- 3 Pump Stations and Reservoirs
- 1 Booster Station
- 694 km Watermains

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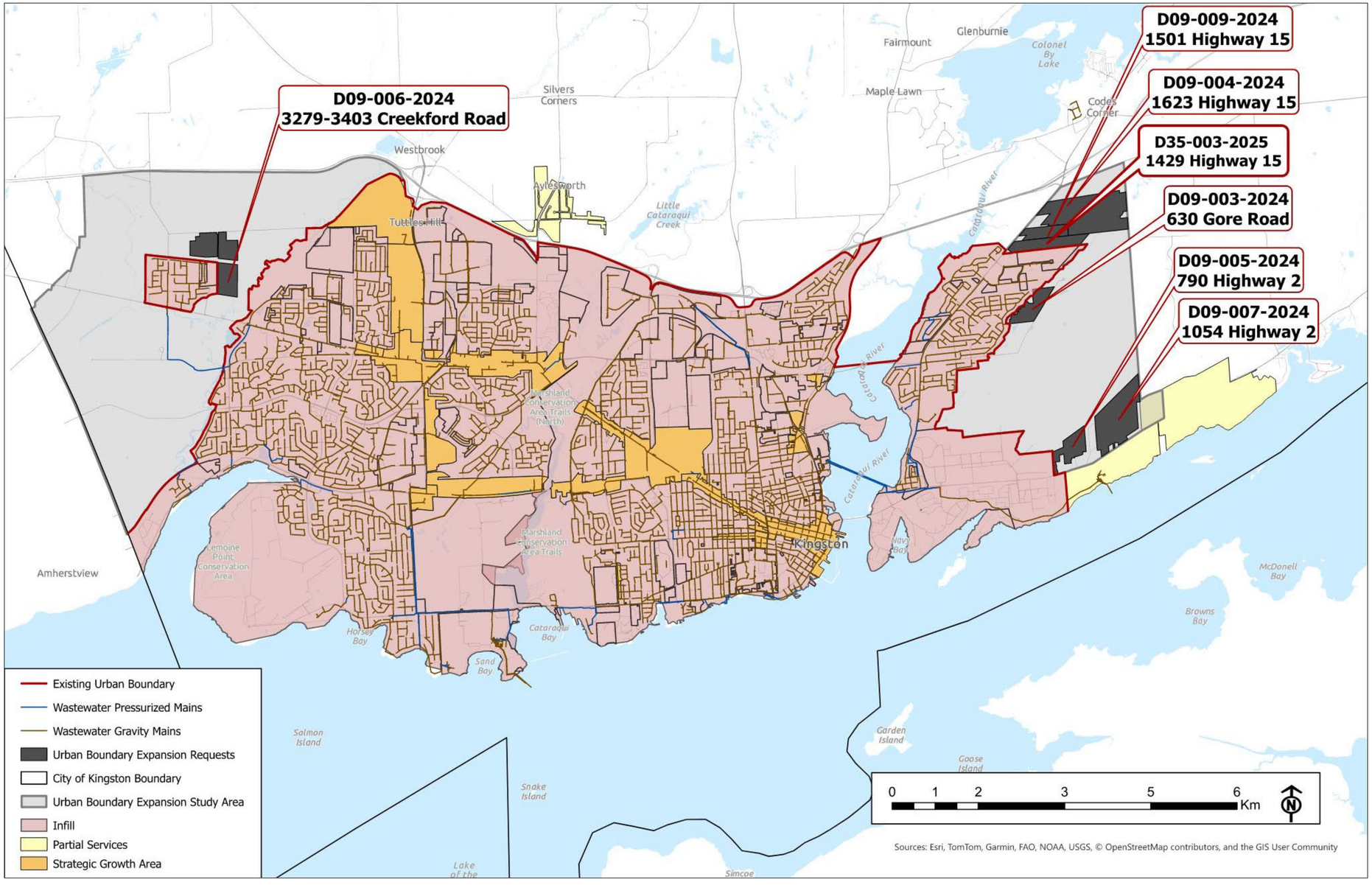
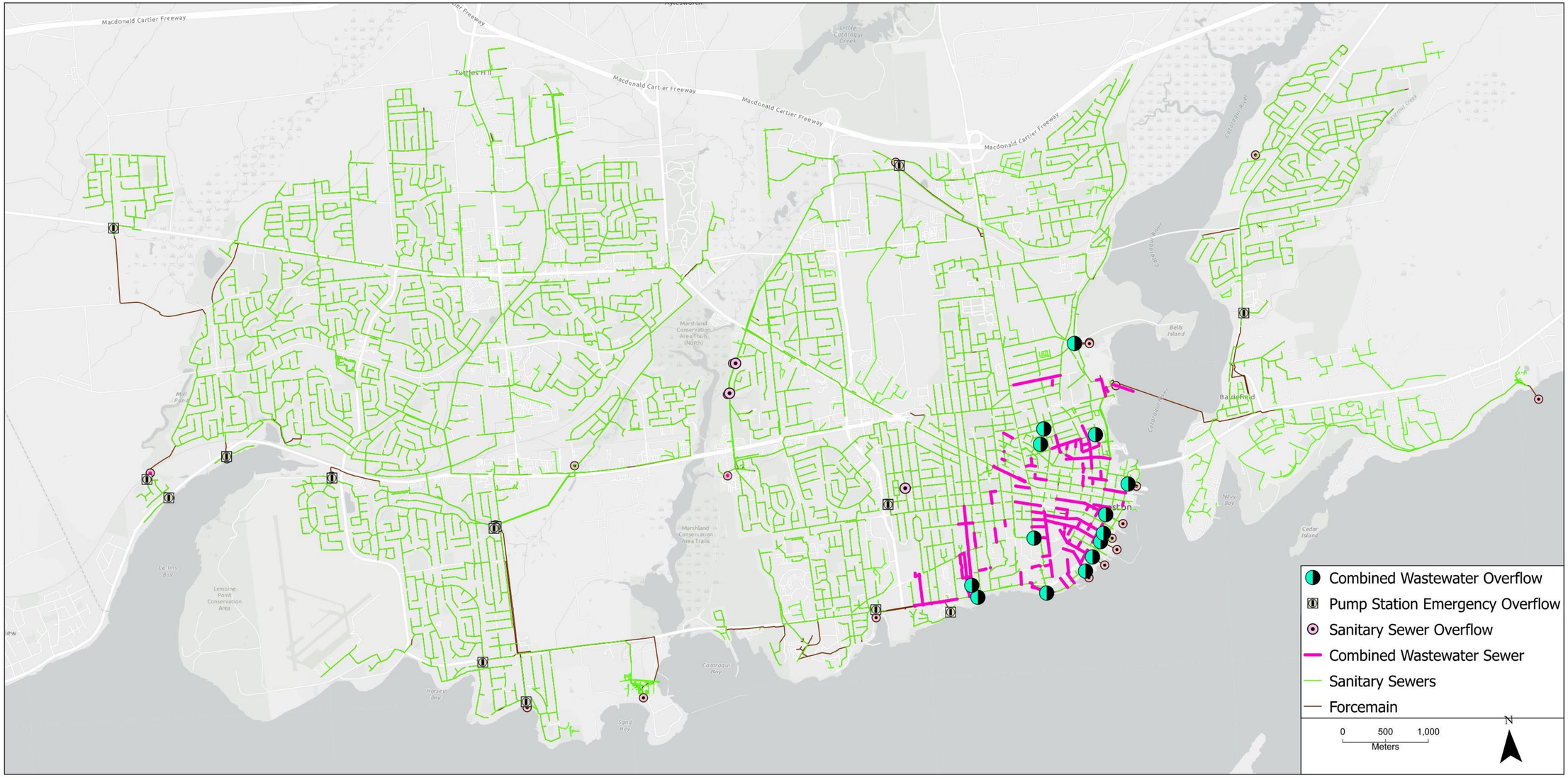
Proposed Growth Areas



Growth Impacts:

- Servicing alternatives will be developed where existing infrastructure is unable to accommodate the projected growth
- Servicing alternatives will be developed for unserviced growth areas

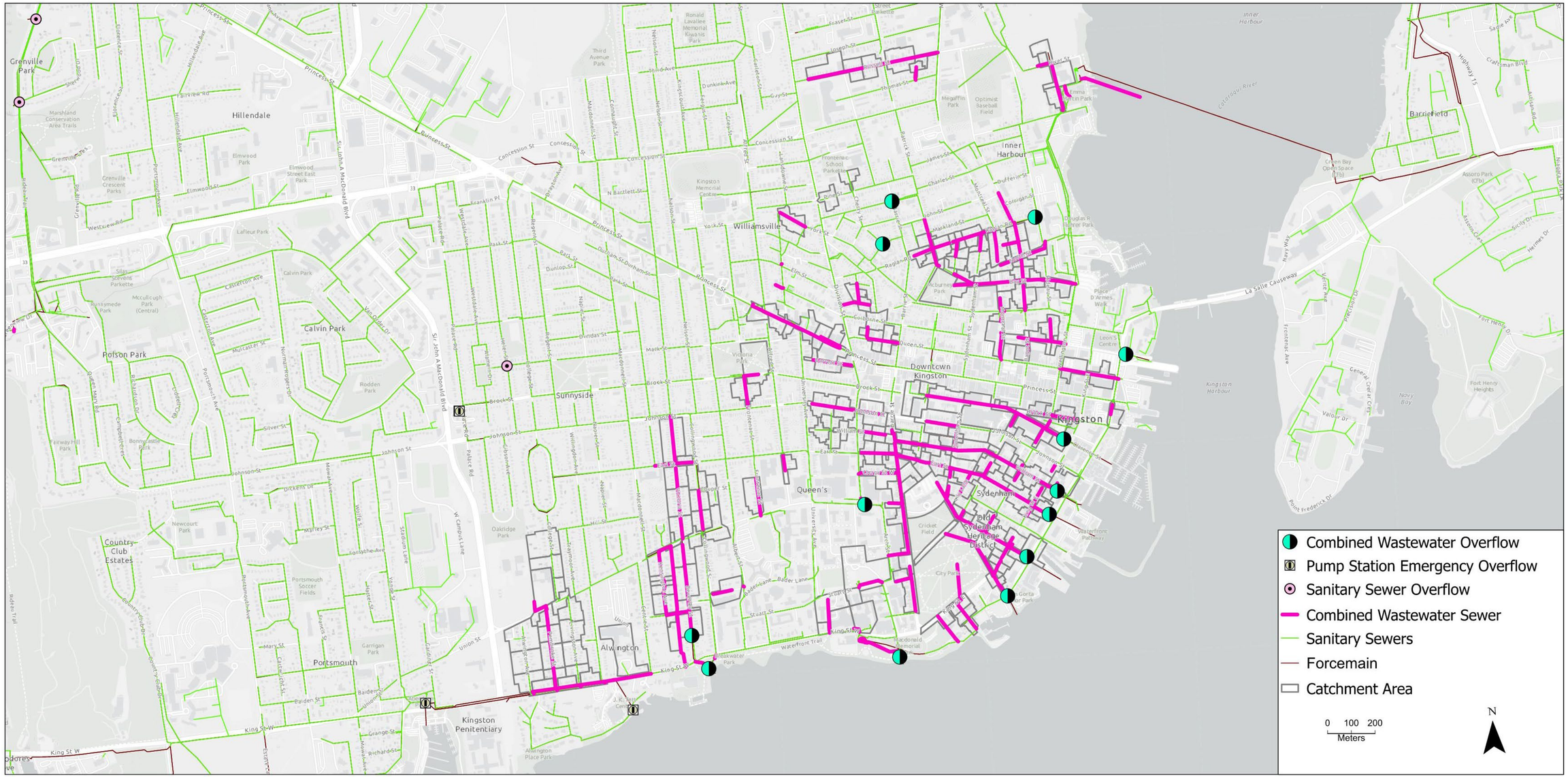
Pollution Prevention & Control Plan – Overflows



Pollution Prevention & Control Plan Overflows:

- Emergency Bypasses/Overflows located at Pump Stations to protect equipment
- Overflows located within Wastewater Collection System to protect against basement flooding
- A strategy to reduce overflow frequency, duration and volumes will be developed. This will target MECP Procedure F-5-5 and further approach “Virtual Elimination”

Pollution Prevention & Control Plan – Combined Sewer Area



Combined Sewer Area:

- Combined Sewers collect wastewater from buildings and stormwater from the roads and surrounding lands
- A sewer separation strategy is being developed to minimize overflow frequency and allow for growth within the combined sewer areas

Next Steps

Thank you for your interest in the Kingston Water & Wastewater Master Plans and Pollution & Prevention Control Plan.

Your Feedback is an important part of the EA process and will be considered in completing the Project File Report.

- To receive email updates as the project progresses, please indicate on the sign-up sheet, or send an email to one of the contacts below.
- In the next phase of the project, we will identify system constraints and develop alternatives to service the projected growth. Results of this will be communicated in PIC #2 (which is scheduled to be held in the Spring of 2026).
- If you would like more information regarding this project, visit this website or scan the QR code: https://utilitieskingston.com/Projects/Detail/WWWMasterPlans2025

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