

Master Servicing Plan Update for the Municipality of Grey Highlands

Public Information Centre No. 1

Tuesday February 27, 2024



Why are we here?

Public Information Centre (PIC)

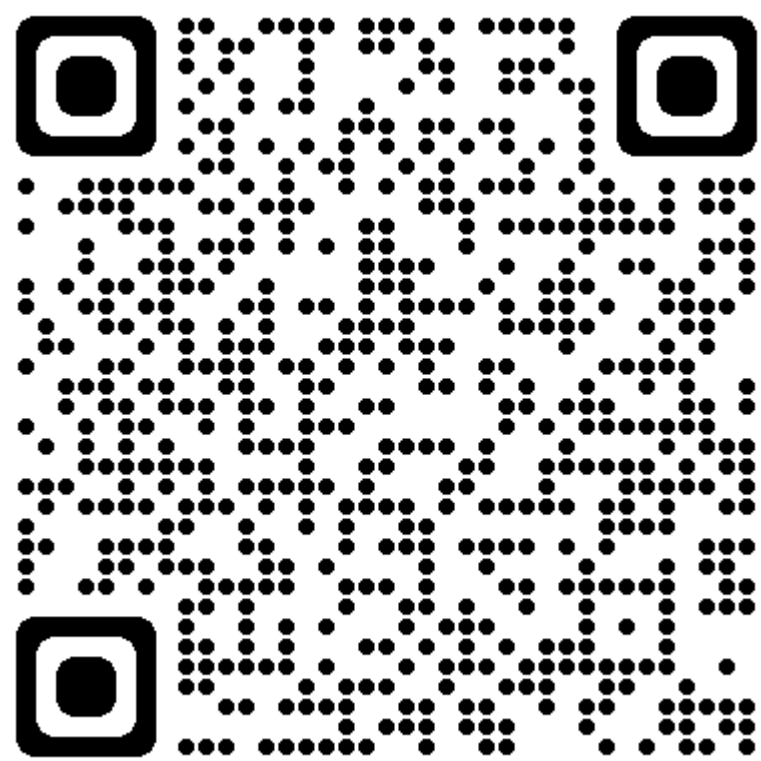


Key Dates

February 14, 2024

PIC materials posted to project webpage:

<https://connectgreighighlands.ca/MSP>



February 14 to March 15, 2024

If you have any questions or wish to provide your input, please speak with one of the project team members, and/or contact the Project Manager at moyers@greighighlands.ca

Late Spring 2024

The Draft Master Servicing Plan, including comments and information received, will be made available for review and comment.

Public Information Centre (PIC) Objectives



Present the study area and objectives.



Present the environmental assessment process.



Present environmental and technical background relevant to the development of servicing alternatives.



Receive feedback on the study process and servicing opportunities and constraints.



The Municipality of Grey Highlands has initiated the **Master Servicing Plan Update** to develop and evaluate water and wastewater servicing strategies through the Class EA process to meet forecast population and employment growth for the communities of Markdake, Flesherton, Kimberley, Amik, Talisman, Eugenia, Beaver Valley, and Eugenia Lake.

Project Objectives

1. Assess and evaluate the existing infrastructure system conditions to determine the feasibility of servicing additional development areas.
2. Identify the infrastructure requirements needed to support Grey Highlands' population and employment forecasts to the year 2054.
3. Review and update the servicing plan to address the short-term and long-term system maintenance and upgrade (i.e., capacity) needs.

The Master Servicing Plan is intended to be the foundation document and roadmap for implementing cost-effective, safe, reliable, and efficient servicing strategies required to support the Municipality's long-term development and growth. .

How is this study being conducted?

Municipal Class Environmental Assessment Process

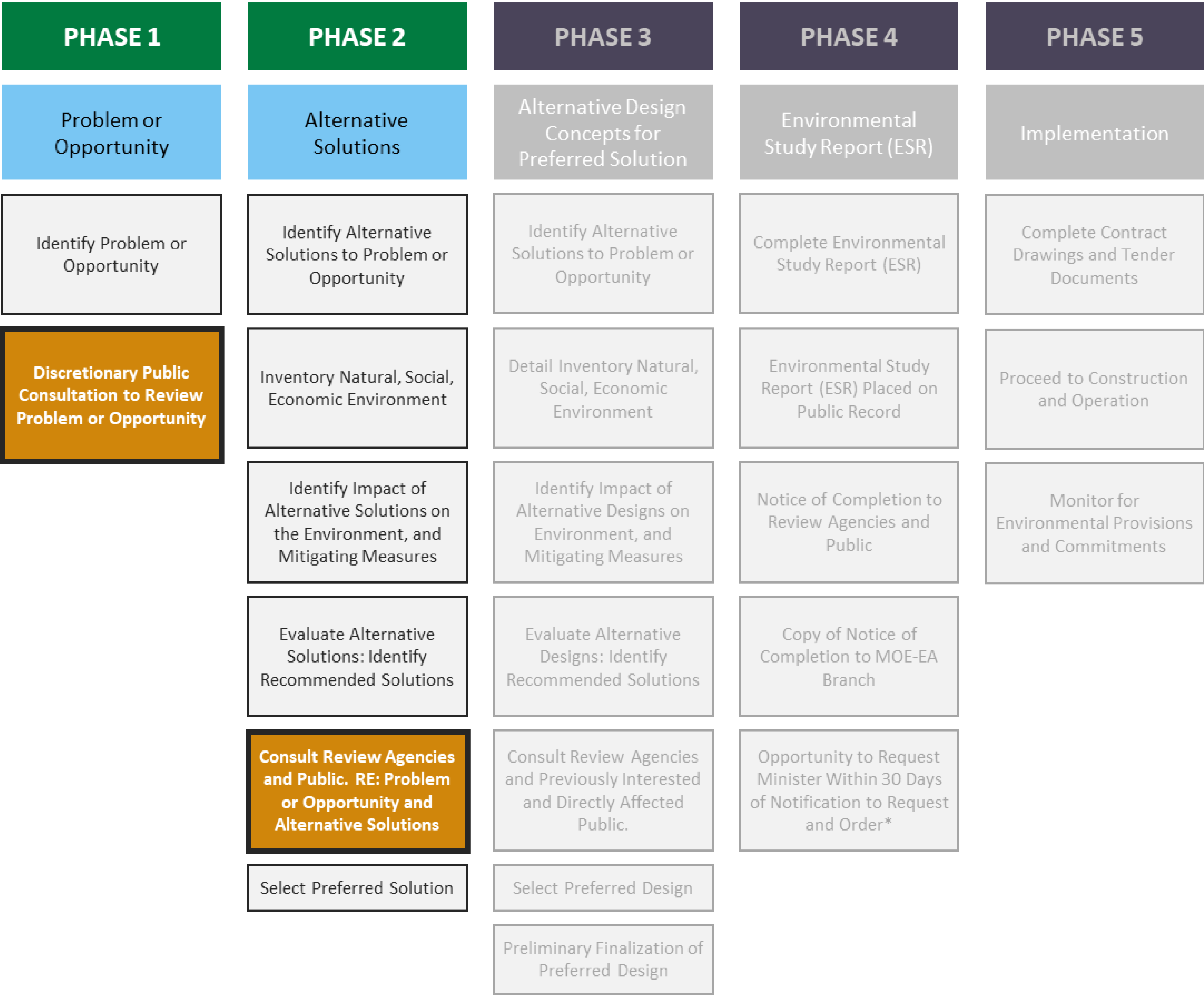


The Municipal Class Environmental Assessment (MCEA) process is a decision-making process that all Ontario municipalities follow for rehabilitating and building new public infrastructure.

The **Grey Highlands Municipal Servicing Master Plan Update** is following the Class Environment Assessment (EA) process for Master Plans and will satisfy Phases 1 and 2 of the Class EA process (October 2000, as amended in 2007, 2011, 2015, and 2023).

Phase 1 of the MCEA process focuses on the development of a problem / opportunity statement to be addressed by the project. **This is where we are now.**

Phase 2 will evaluate alternatives and present the recommended servicing solution for water and wastewater infrastructure and the proposed capital program.



What is being considered?

Key Issues and Considerations



Can the option be constructed?

Is there already existing infrastructure nearby?



What are the costs of expanding or upgrading services?

What options have higher operations and maintenance costs?



Are there sensitive environmental features to consider or avoid?

What are the potential benefits and impacts to local communities?

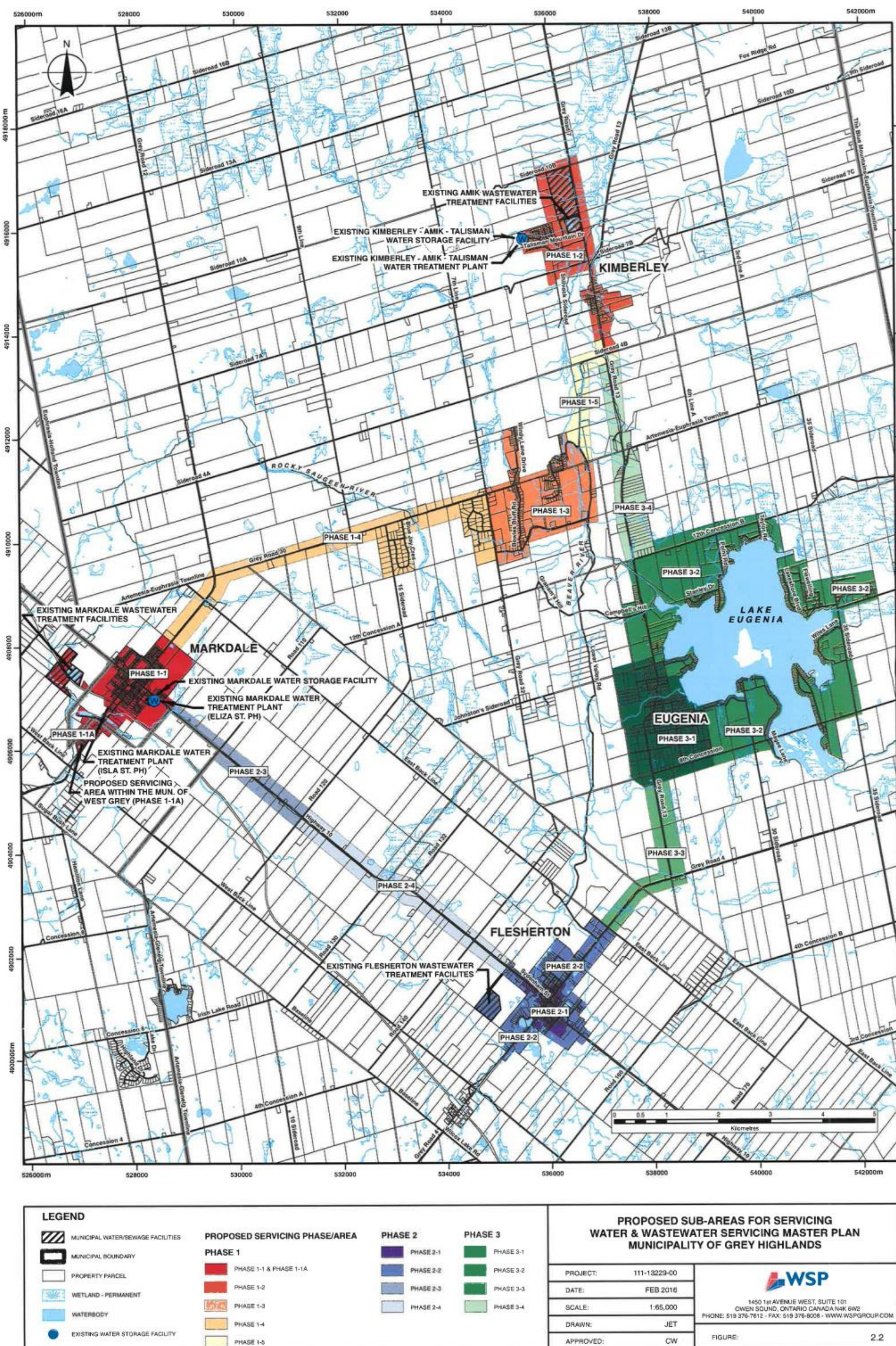
Are there sensitive archaeologically or culturally significant features to consider or avoid?

Where are demand or growth pressures today?



Baseline Understanding – 2017 Master Servicing Plan

Previously Recommended Phasing



Prioritized Phases for Water and Wastewater Services

1. Markdale to Amik – Focus of 2017 MSP

1.1 Markdale – 2017-2023 Construction Focus

1.1.A Extension into West Grey

1.2 Kimberley, Amik, and Talisman

1.3 Beaver Valley Ski Club to Grey Rd 32

1.4 Grey Rd 12 & 30 Markdale to Grey Rd 32

1.5 Grey Rd 30 to Grey Rd 13

2. Flesherton

2.1 Flesherton, Existing Serviced Area

2.2 Flesherton, Beyond Serviced Area

2.3 HWY 10 Markdale to County Rd 120

2.4 HWY 10 County Rd 120 to Flesherton

3 Eugenia

3.1 Eugenia

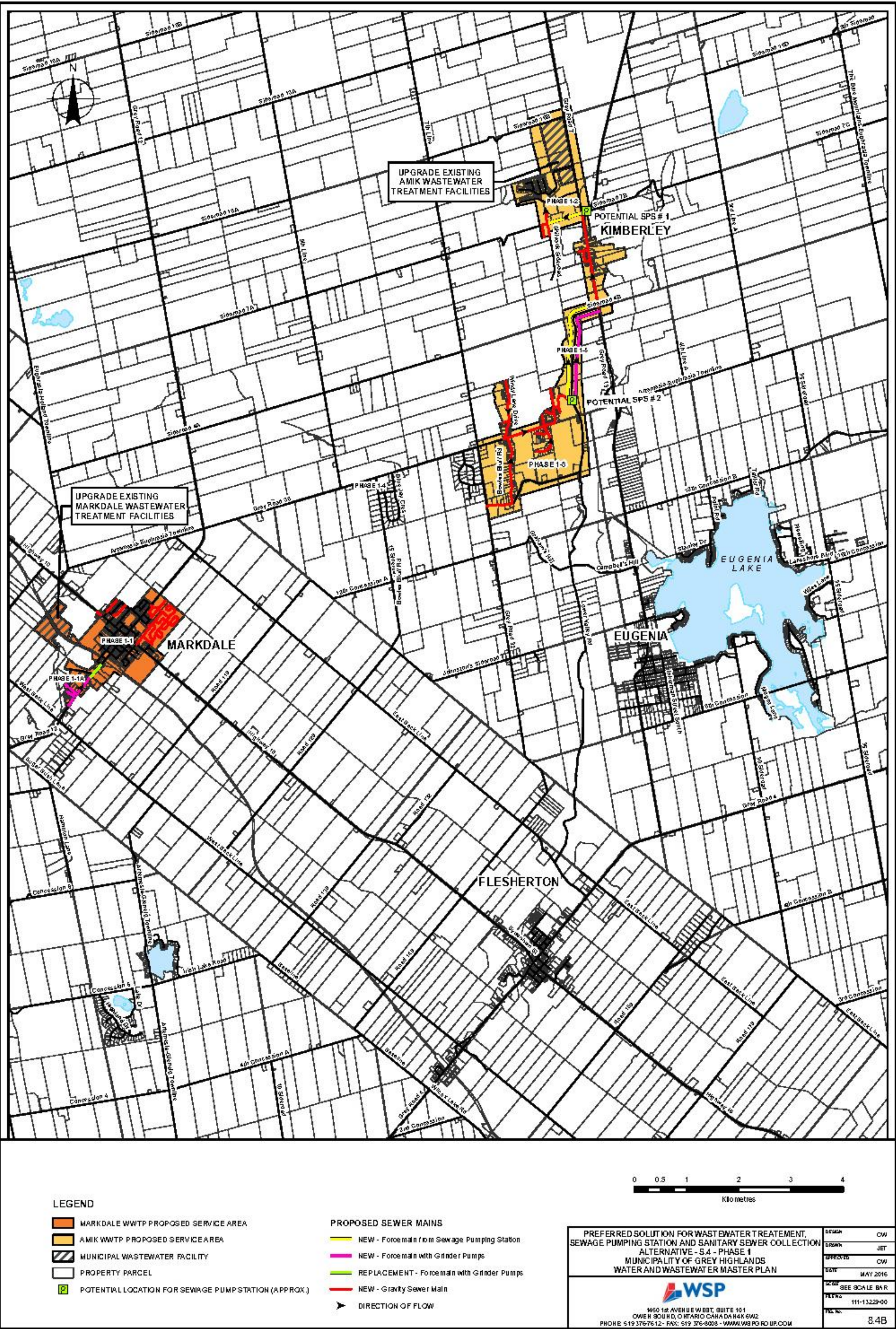
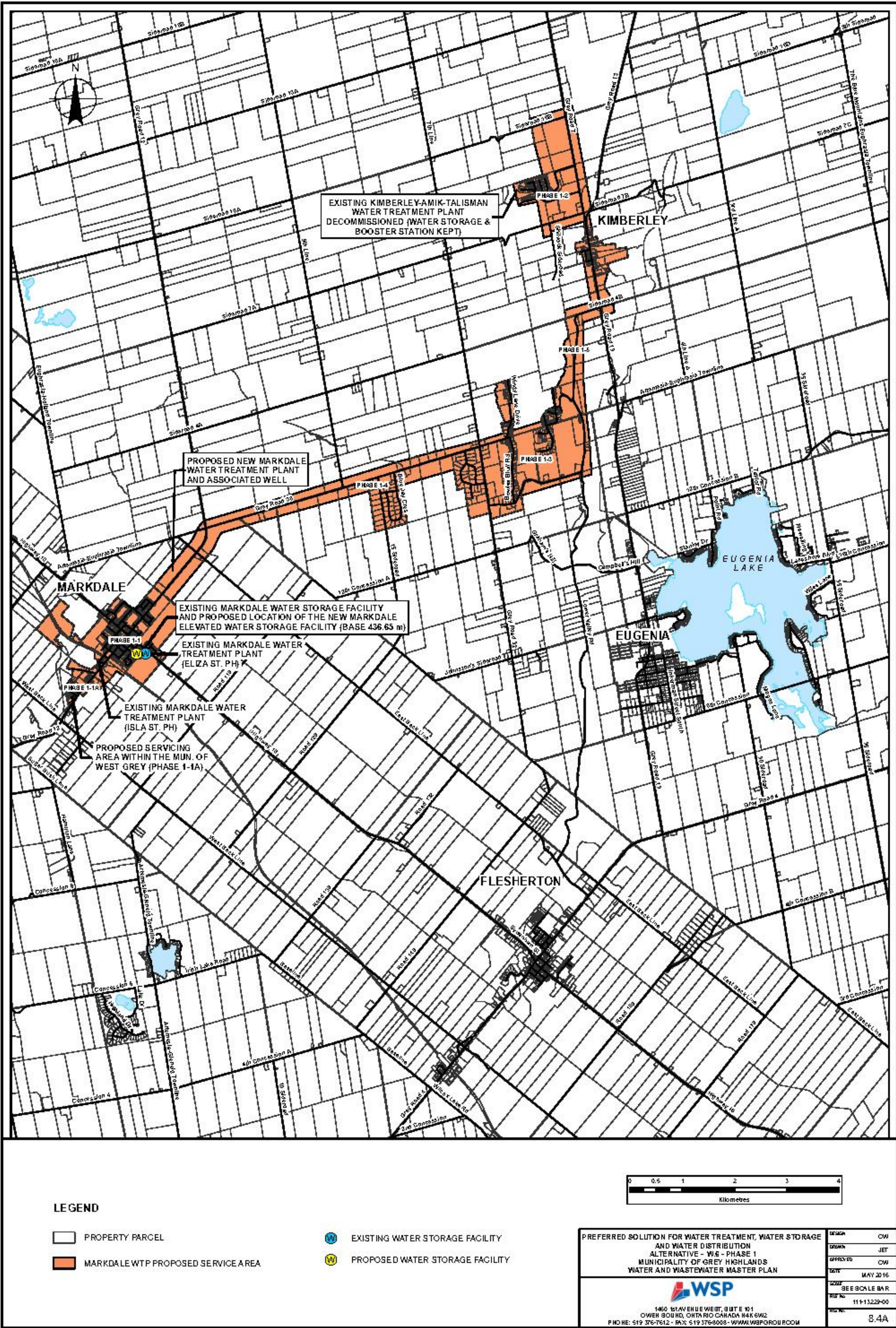
3.2 Eugenia Lake Area

3.3 Grey Rd 4 and 13 Flesherton to Eugenia

3.4 Grey Rd 13 Eugenia to Kimberley

Baseline Understanding – 2017 Master Servicing Plan

Previously Completed Phase 1 Servicing



Water Servicing

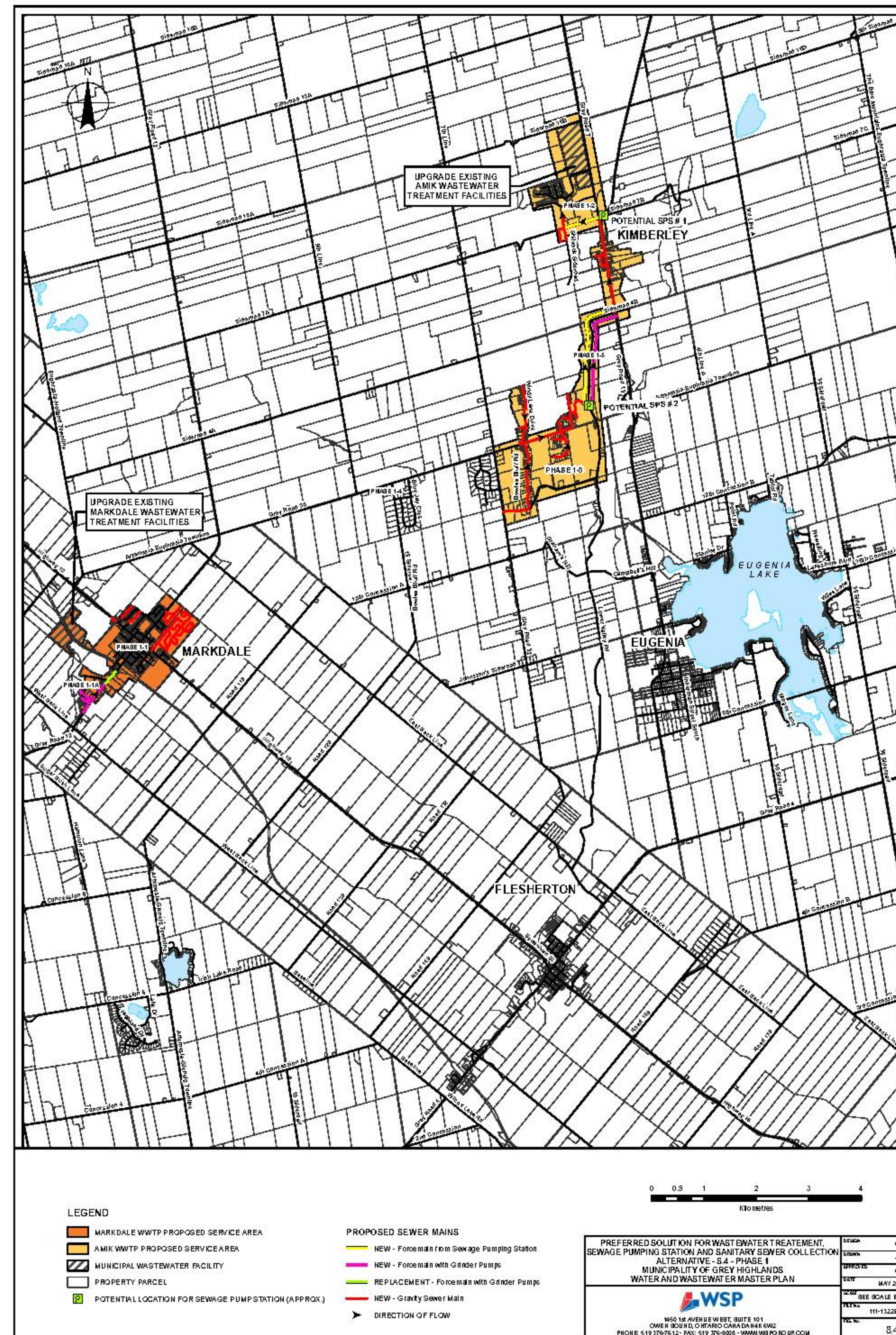
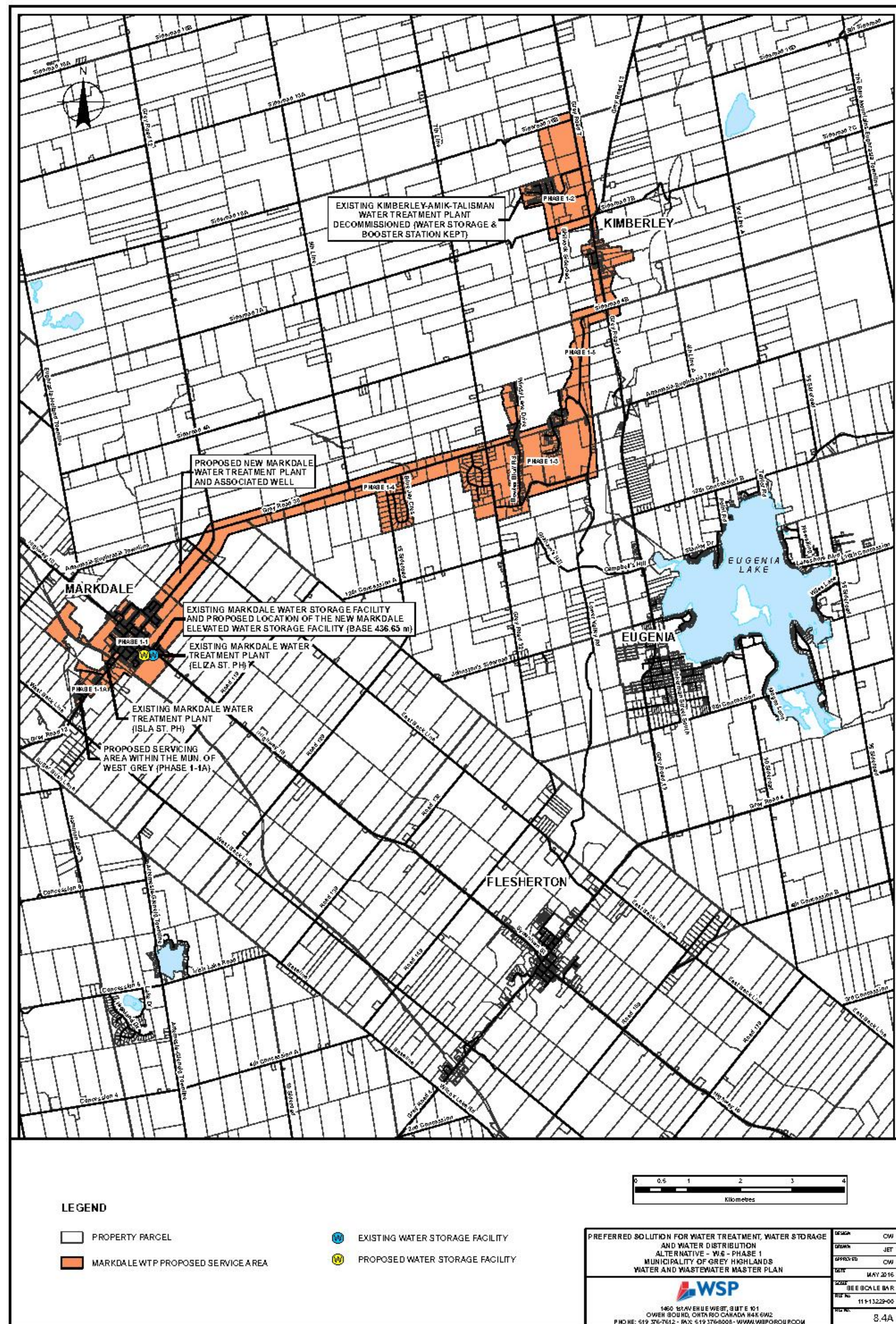
1. New Markdale Water Storage Facility

Wastewater Servicing

1. Markdale WWTP capacity increased by optimization
2. Upgrades to Markdale WWTP to increase capacity (ongoing)

Baseline Understanding – 2017 Master Servicing Plan

Previously Recommended Phase 1 Future Servicing



Water Servicing

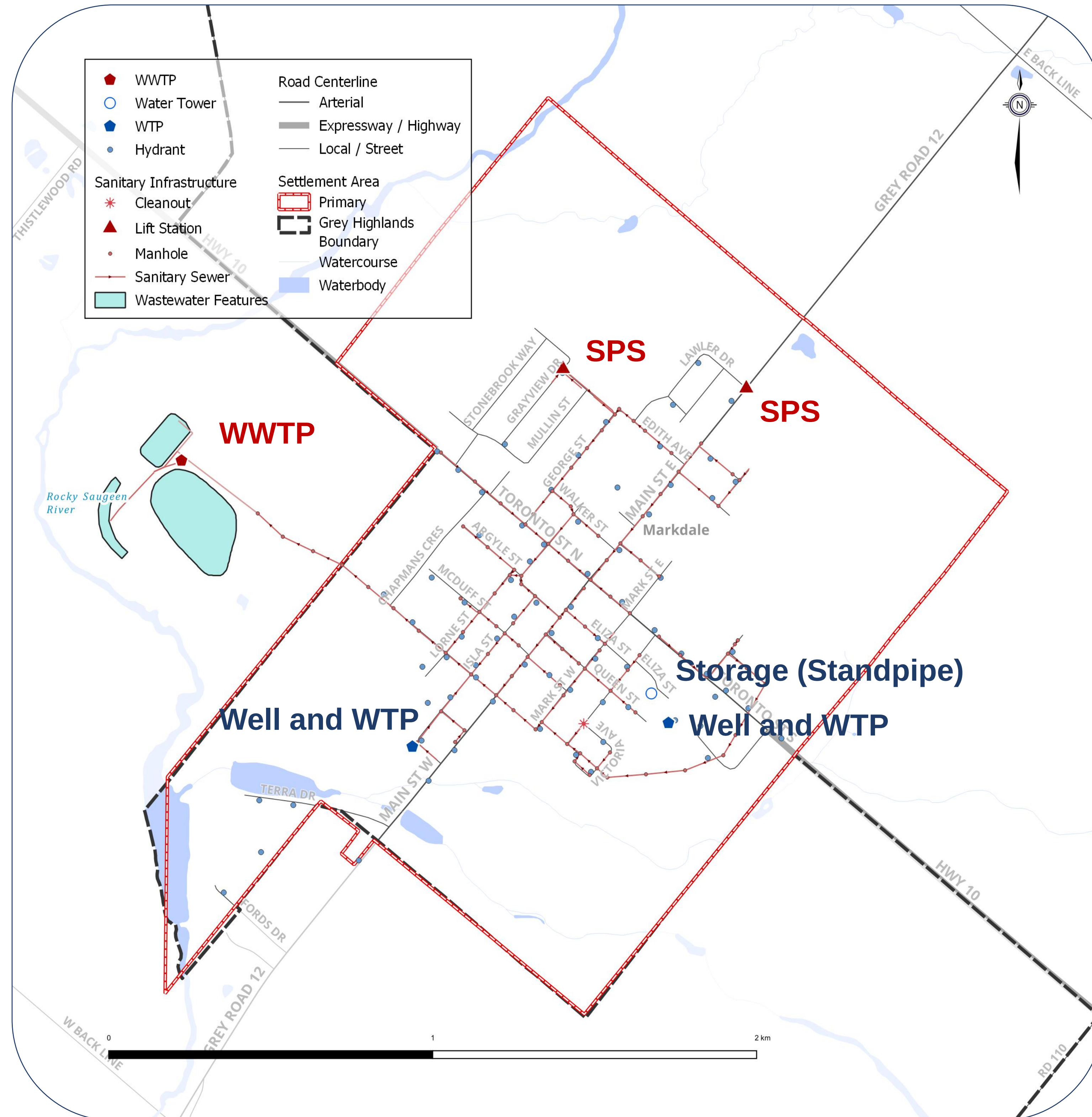
1. Markdale to supply West Grey
2. KAT Water Treatment Plant (WTP) changed to a Booster Station and Storage
3. New Markdale WTP and Storage
4. Distribution system constructed from Markdale to Beaver Valley and connected to existing KAT system

Wastewater Servicing

1. Collection system constructed for Beaver Valley and Kimberley, to be treated at upgraded Amik Wastewater Treatment Plant
2. Markdale collection system expanded to service nearby West Grey residents

Baseline Understanding – Opportunities and Considerations

Existing Infrastructure System Evaluation



Markdale

Population: 1,200 Persons

Estimated Land Area: 360 hectares

Designation: Primary Settlement Area

Future Development

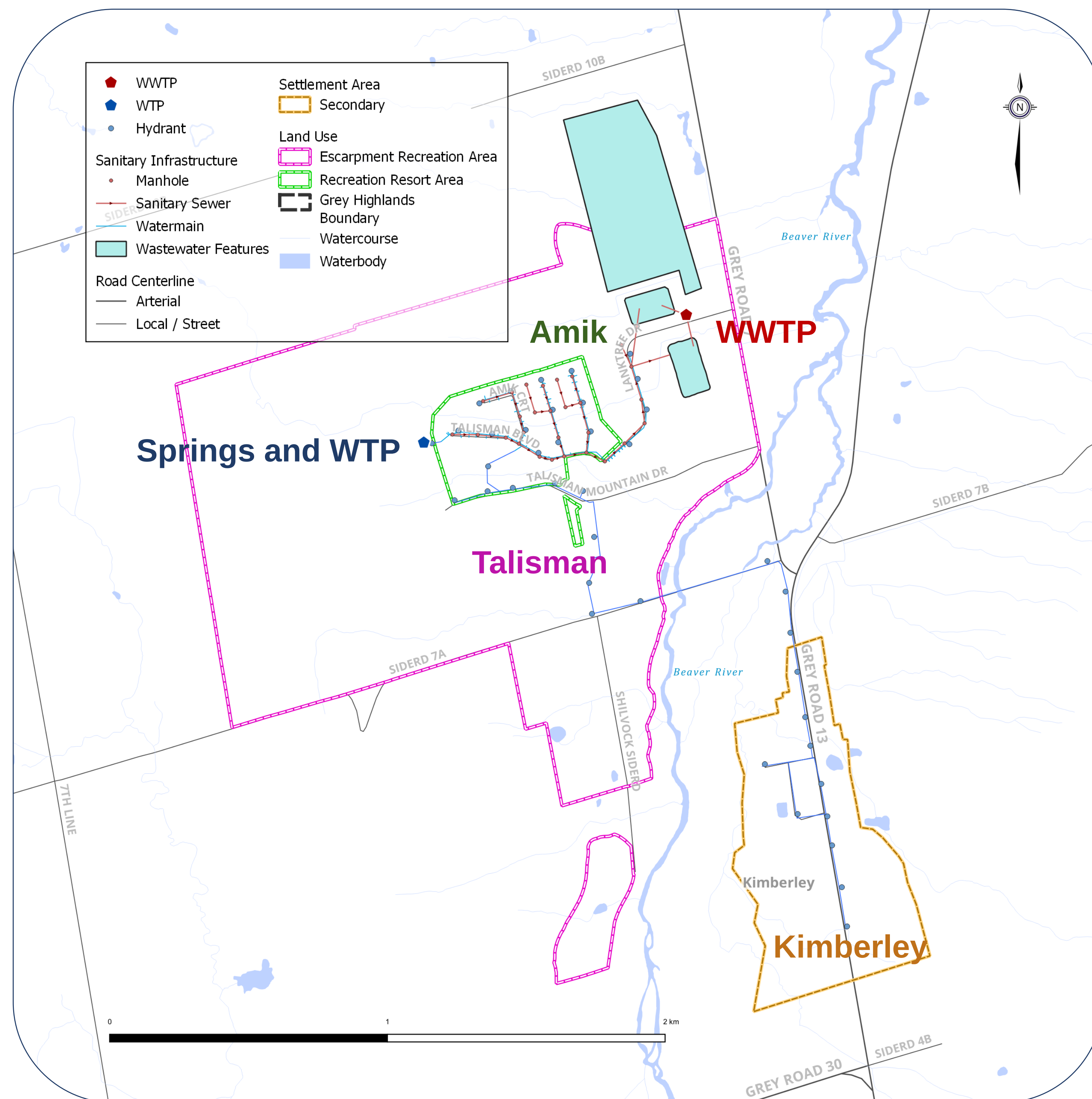
- Residential and business lands
- Primary development area in Grey Highlands
- Over 1250 residential units in committed and planned development

System Evaluation

- Water System: Currently operating at approximately 44% of capacity. With the addition of planned development, will be at around 81% of capacity.
- Wastewater System: Currently operating at approximately 46% of capacity. Upgrades to the WWTP to provide additional capacity is ongoing. With the additional capacity, and including planned development, the WWTP will be operating at around 87% of capacity.

Baseline Understanding – Opportunities and Considerations

Existing Infrastructure System Evaluation



Kimberley – Amik – Talisman

Population: 500 Persons (Estimated) plus seasonal residents

Estimated Land Area: 52 hectares (ha) in Kimberley, 22 ha in Amik, and 250 ha in Talisman

Designation: Secondary Settlement, Recreation Resort, and Escarpment Recreation Areas

Future Development

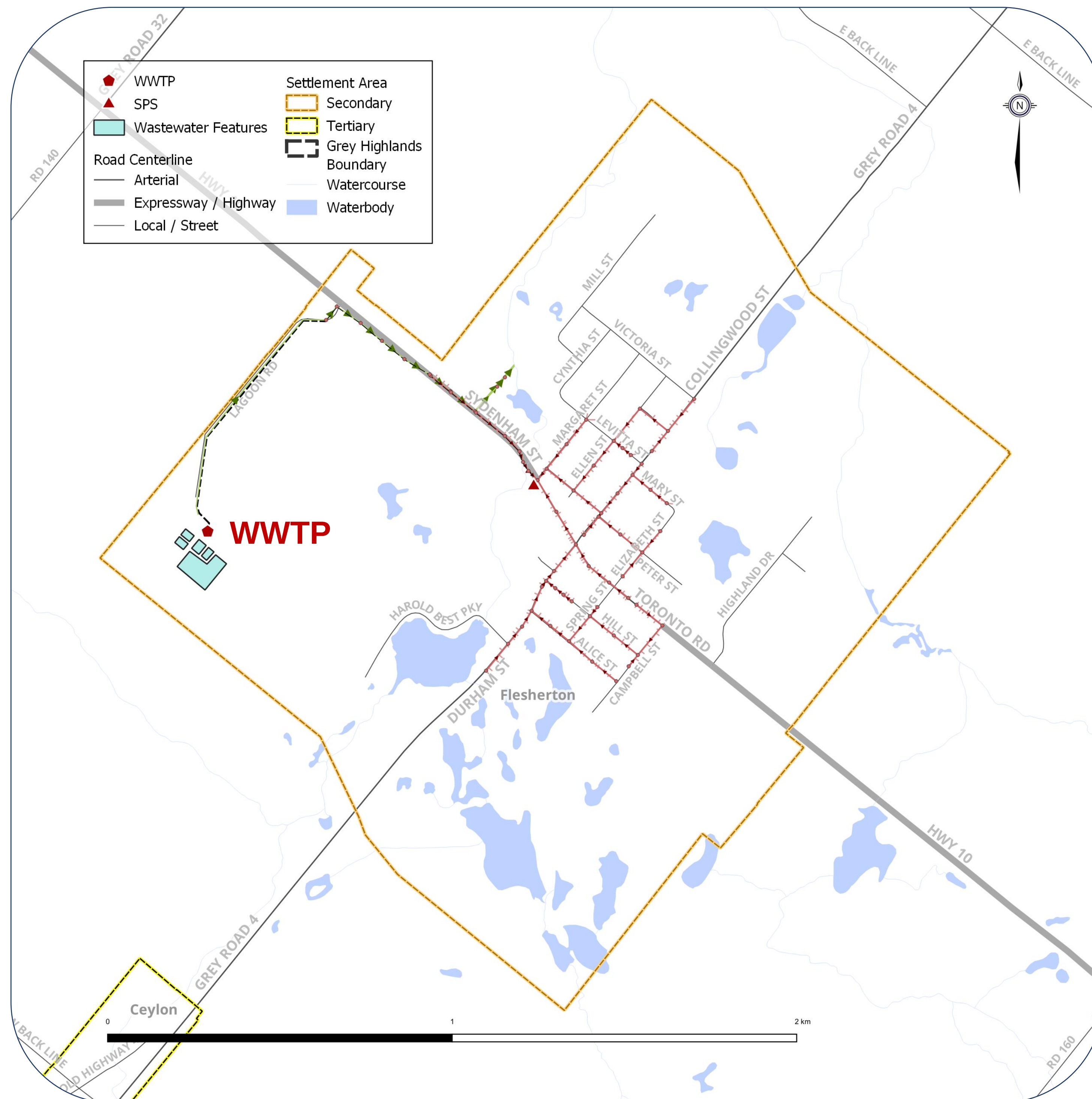
- Residential and recreation lands primarily
- 60 residential units planned in redevelopment of lands in Talisman

System Evaluation

- Water System: Currently operating at approximately 21% of capacity. With the addition of planned development, will be at around 29% of capacity.
- Wastewater System: Services provided to Amik and Talisman only. Currently operating at approximately 37% of capacity. With the addition of planned development, the WWTP will be operating at around 59% of capacity.

Baseline Understanding – Opportunities and Considerations

Existing Infrastructure System Evaluation



Flesherton

Population: 590 Persons

Estimated Land Area: 345 hectares

Designation: Secondary Settlement Area

Future Development

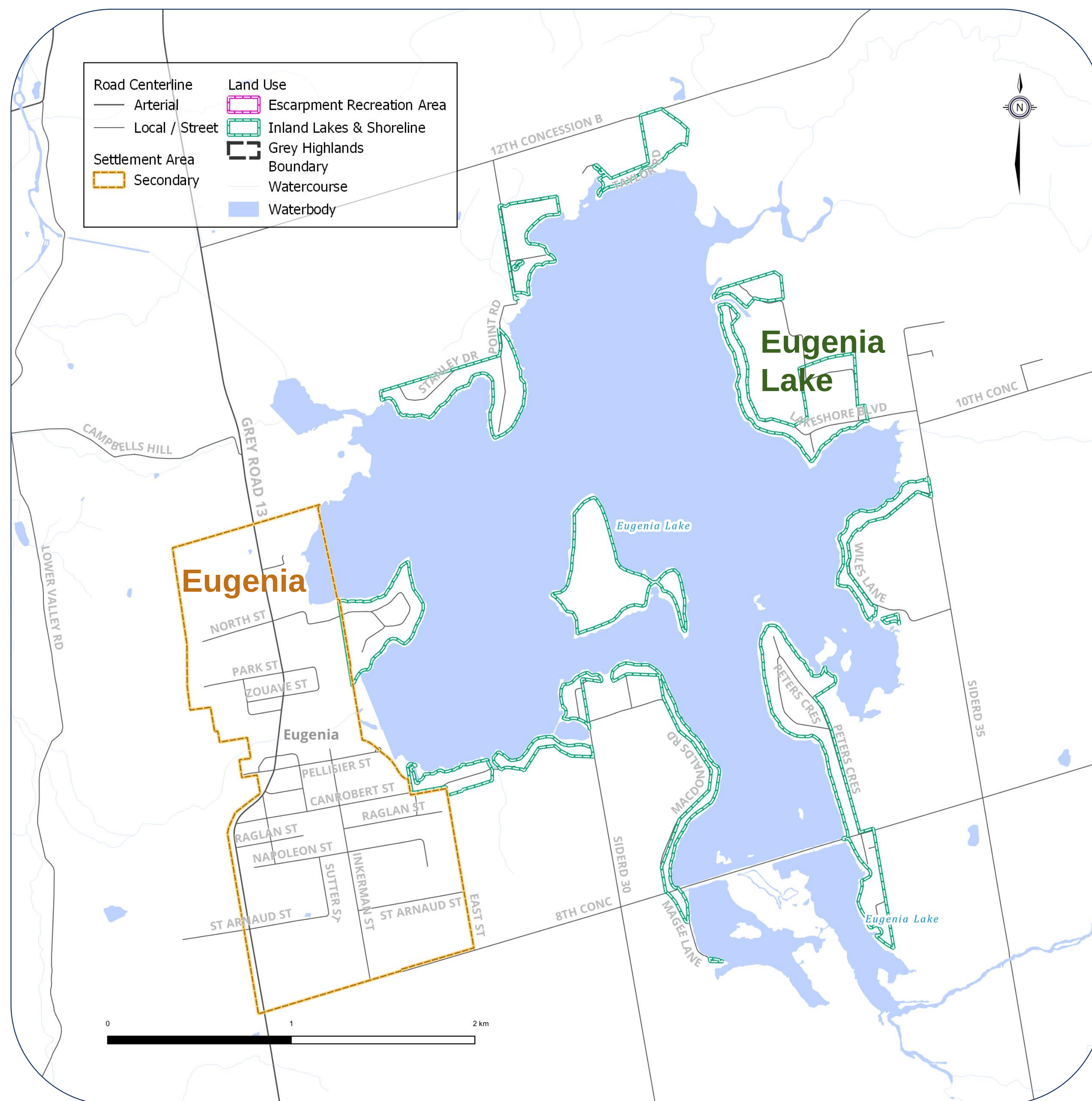
- Residential and business lands
- 51 residential units in committed and planned development
- Limited to small developments as municipal water servicing is not available

System Evaluation

- Water System: No municipal services provided. Drinking water and any fire storage must be privately obtained.
- Wastewater System: Service provided in settlement area. Currently operating at approximately 40% of capacity. With the addition of planned development, the WWTP will be operating at around 60% of capacity.
- Some residents are on private services.

Baseline Understanding – Opportunities and Considerations

Existing Infrastructure System Evaluation



Eugenia and Eugenia Lake

Population: 500 – 750 Persons (estimated), plus seasonal residents

Estimated Land Area: 246 hectares (ha) in Eugenia, and 140 ha in Eugenia Lake

Designation: Secondary Settlement Area, Inland Lakes and Shorelines

Future Development

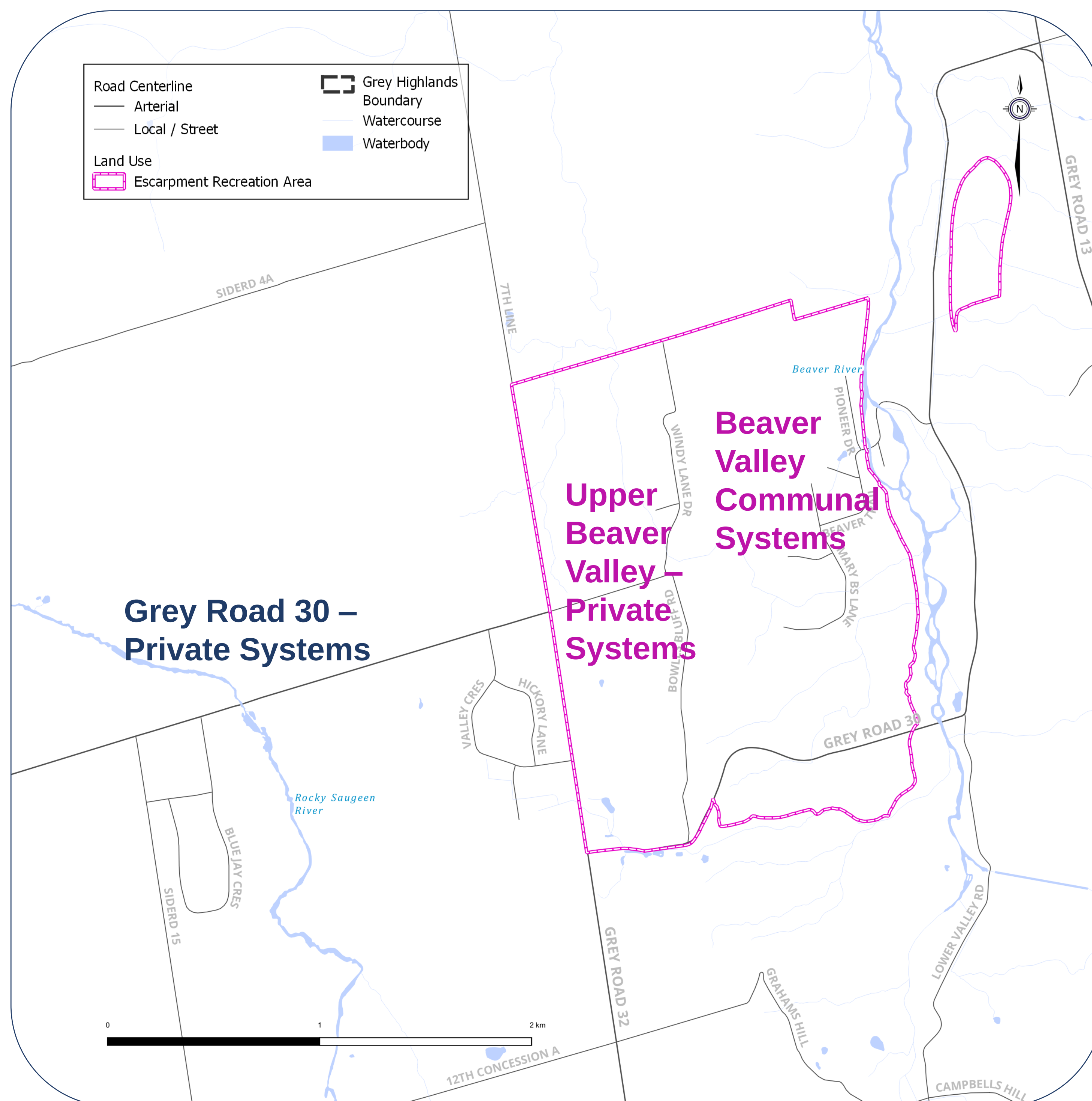
- Residential infill

System Evaluation

- Water System: No municipal supply, approximately 700 private wells
- Wastewater System: No municipal treatment facility, approximately 700 private sewage systems

Baseline Understanding – Opportunities and Considerations

Existing Infrastructure System Evaluation



Beaver Valley

Population: 250 Persons (estimated), plus seasonal residents

Estimated Land Area: 184 hectares

Designation: Escarpment Recreation Area

Future Development

- Residential and recreation lands primarily
- No known development plans, infill may continue

System Evaluation

- Water System: Approximately 80 customers on a single communal service, approximately 200 private wells
- Wastewater System: Approximately 80 customers on a single communal service, approximately 200 private sewage systems

What will be included in the Updated Master Servicing Plan?

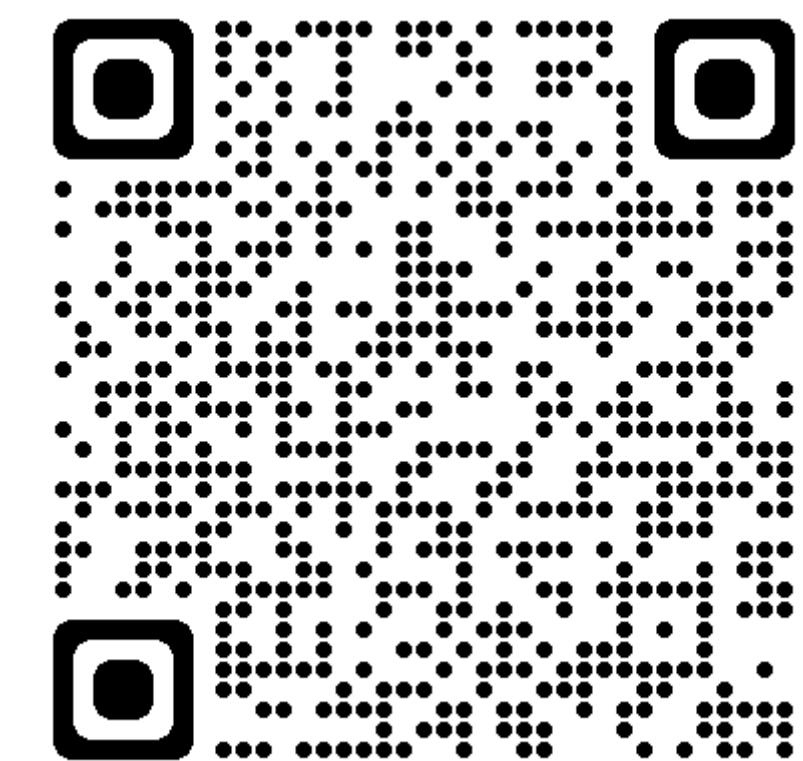
- Review the feasibility of the planned next phases of construction
- Recommend an updated timeline

What are the key considerations in the Updated Master Servicing Plan?

- Technical constraints (What can be constructed? What is the benefit?) is only one part of the decision-making process
- Where is additional service capacity, or service area expansion, needed?
- Social and Cultural background, opinions and priorities of the communities is a key consideration in the Master Planning process
- Feedback from each community can help determine the next implementation phases of water and wastewater services and a timeline to 2054

How Can You Provide Feedback Following this Presentation?

- Read the information sheets, available in person or on the project website <https://connectgreyhighlands.ca/MSP> or scan the QR Code
- Answer the **Questionnaire** in person or on the project website
- Write on the **Poster Boards**
- Fill in a **Comment Form**
- Send the project team your comments by **Mail or E-mail**
- **Sign up** in-person or send the project team a request to be notified of future public consultations for this study



What are we doing next?

- Receive comments until **March 15, 2024**.
- Following the comment period, the project team will prepare the Draft Master Servicing Plan including incorporating information and comments received
- Present to Council and host PIC No. 2 to present alternative and recommended solutions and the Draft Master Servicing Plan Report
- Update the Master Servicing Plan including incorporating information and comments received
- Circulate Notice of Master Plan and post updated Master Servicing Plan for review for a period of 30 days
- Finalize Master Servicing Plan and Present to Council

Please provide comments by March 15, 2024

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Please note that information related to this study will be collected in accordance with the *Freedom of Information and Protection of Privacy Act*. All comments received will become part of the public record and may be included in the study documentation prepared for public review.

If you need any accommodations to provide comments and/or feedback for this study, please contact the Project Manager.