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# **Appendix I**

Public Information Centre No. 2  
Materials

Date: March 21, 2024

To: Jessica Davidson, Haldimand County  
Kris Franklin, Haldimand County  
Shannon VanDalen, Haldimand County  
Phil Wilson, Haldimand County

From: Jane Wilson, J.L. Richards & Associates Limited

CC: Gillian Pfeiffer, J.L. Richards & Associates Limited  
Sam Ziemann, CIMA+  
Sabrina Chang, CIMA+

Subject: Hagersville Master Servicing Plan  
Public Information Centre No. 2 – Summary Memorandum – Final (R1)

JLR No.: 31196-013

## **1.0 Public Information Centre Summary**

The second Public Information Centre (PIC) for the Hagersville Master Servicing Plan (MSP) was held at the Hagersville Arena on March 6, 2023 from 4:00 p.m. to 6:00 p.m. The purpose of the PIC is to present recommended servicing alternatives and gather input from stakeholders, rightsholders, and residents.

A Notice of PIC was prepared by the consulting team and distributed prior to the PIC. A copy of the PIC Notice is provided in Appendix A. The Notice was issued via the following means:

- Placed on the County’s website the week of February 5, 2024.
- Mailed and e-mailed to review agencies, developers, Indigenous communities, and other stakeholders the week of February 12, 2024.
- Placed in two (2) issues of the local newspaper (Haldimand Press) starting the week of February 19, 2024.

During the PIC, boards presenting the project information were on display (refer to Appendix B). Representatives from the consulting team and County staff were available to answer questions through the duration of the PIC. The PIC was attended by 9 members of the public and/or developers in addition to several Haldimand County staff and Councillors.

A sign-in sheet and comment forms were provided. From the comment forms distributed, one (1) was completed and returned (refer to Appendix C). Additional verbal comments from attendees during the PIC were noted by the consulting team and are summarized in Section 2.0 of this memo.

## **2.0 Public Information Centre Comments**

Table 1 provides a summary of verbal and written comments received during the second PIC and notes from the project team. Refer to Appendix C for a copy of any of the written correspondence received from the first PIC.

Table 1. Comments Received During Public Information Centre 2

Comment No.	Project Component	Comment	Follow up Required/Action
1	All	<p>The Grand River Conservation Authority (GRCA) noted that the preferred water, wastewater, and transportation alternatives are not located within the regulated areas of the GRCA watershed. GRCA recommend consultation with Long Point Region Conservation Authority (LPRCA) for proposed water, wastewater, and transportation upgrades/improvements.</p> <p>GRCA advised that the proposed stormwater upgrades for the future urban business parks and the Main St / Tuscarora St development are within the GRCA watershed, and a permit may be required for work conducted at the future urban business park. upgrades in the future urban business park.</p> <p>GRCA requested to continue to be consulted as plans and details are developed for work at the future urban business park.</p>	<p>Noted. Project documentation has been sent to the LPRCA; however, no comments have been received.</p> <p>GRCA should continue to be kept informed on any plans and details regarding stormwater upgrades at the future urban business park.</p>
2	All	<p>The Ministry of Citizenship and Multiculturalism requested a Project Information Form (PIF) for any archaeological assessments being prepared for the project. MCM recommend that a Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment be undertaken for the project study area. Any technical cultural heritage studies should be sent to the MCM for review as part of the environmental assessment process.</p>	<p>The potential for disruption to archaeological and cultural heritage resources was not assessed for infrastructure proposed on future development sites (i.e., extension of the water wastewater, and stormwater systems) that will be developed following the County's planning processes under the <i>Planning Act</i>.</p> <p>Proposed replacements/upgrades to the existing water and sewer system and proposed transportation upgrades are all proposed within the existing road allowance or utility corridor and are considered exempt under the MCEA framework. These projects are proposed within previously disturbed areas and are not anticipated to have impacts on archaeology or cultural heritage.</p>

Comment No.	Project Component	Comment	Follow up Required/Action
			<p>For the identified Schedule B projects (i.e., new water reservoir and BPS), MCM's <i>Criteria for Evaluating Archaeological Potential</i> and <i>Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes</i> have been completed.</p> <p>For identified Schedule C projects (i.e., new or expanded WWTP), identified project sites will be screened for archaeological and cultural heritage potential during the subsequent Schedule 'C' MCEA. MCM should continue to be consulted throughout the Schedule 'C' MCEA for wastewater treatment capacity in Hagersville.</p>
3	Future Development	A developer inquired on the servicing status of the Crystal Lake development.	Haldimand County's Planning Department contacted this developer to provide additional information.
4	Wastewater	Questions were received about the future steps needed to be taken to build a new WWTP in Hagersville.	This Master Plan has identified potential alternatives to increase wastewater capacity in Hagersville. A Schedule 'C' MCEA will be undertaken to determine the preferred alternative to increase wastewater capacity.
5	Wastewater	Questions were received about if more efficient technology could be implemented in the new WWTP.	A full review of technologies will be conducted as part of the proposed Schedule 'C' MCEA. Key considerations will include efficiency, ability to meet effluent objectives, noise/odours, ease of expansion, energy requirements, operation and maintenance requirements, greenhouse gas emissions, capital and lifecycle costs, etc.
6	Wastewater	An attendee expressed interest in pumping the Hagersville flow to the Townsend lagoon instead rather than the Nanticoke WWTP.	The feasibility of this alternative will be evaluated.
7	Stormwater	An attendee inquired on if the new development will cause the stormwater runoff water quality to decline.	To minimize offsite impacts of development, all future development in Hagersville is required to control post-development stormwater flows to existing stormwater flow rates and

Comment No.	Project Component	Comment	Follow up Required/Action
			satisfy required water quality criteria established by the Ministry of the Environment, Conservation, and Parks (MECP).
8	Transportation	Multiple attendees expressed interest in a potential bypass around Hagersville.	Noted.
9	Transportation	An attendee raised concerns about the limited sight lines while turning from Tuscarora and John onto King Street.	The Master Plan existing conditions description will be updated to include documentation of these concerns.
10	Transportation	An attendee inquired about what traffic calming measures will be undertaken in the recommended areas	There are several methods to calm traffic such as speed bumps, lane reduction or increased signage. There is a County wide survey planned for this year to assess traffic calming measures.

J.L. RICHARDS & ASSOCIATES LIMITED

Prepared by:



Jane Wilson, M.Sc., P.Eng.  
Associate, Municipal Infrastructure and Planning Market Chief

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## **Appendix A**

Notice of PIC

# Notice of Public Information Centre No. 2

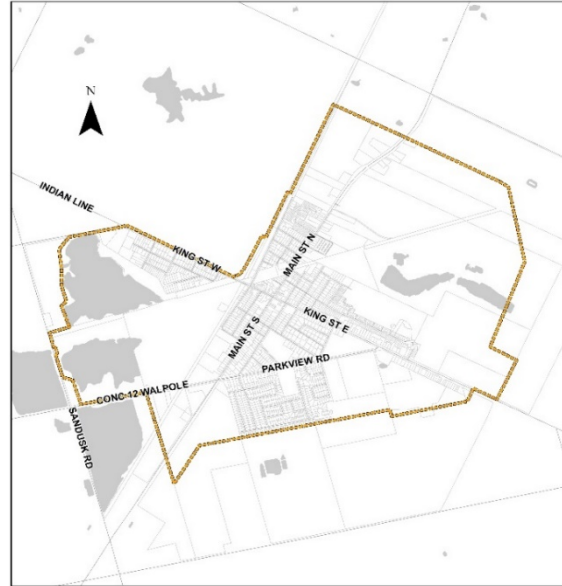
## Hagersville Master Servicing Plan Update

Haldimand County has initiated a Municipal Class Environmental Assessment (MCEA) to update the Master Servicing Plan (MSP) prepared in 2009 for the community of Hagersville.

### PROJECT BACKGROUND

The purpose of this study is to update the four (4) servicing components of the 2009 Hagersville MSP to reflect updated land use and growth forecasts in the study area. The updated MSP will guide future infrastructure projects in the community.

As part of Phase 2 of this MSP, the County is developing a set of water, wastewater, stormwater, and transportation infrastructure improvements required for future servicing needs, as well as proposed phasing for the implementation of these infrastructure servicing projects. The proposed infrastructure alternatives may have an impact on stakeholders, rightsholders, and residents, therefore, consultation continues to be a key element of the process. Existing and future conditions (Phase 1) were presented during PIC No. 1 held on October 18<sup>th</sup>, 2023.



### PUBLIC INFORMATION CENTRE (PIC)

The second Public Information Centre (PIC No. 2) is being held to present proposed servicing alternatives and gather input from stakeholders, rightsholders, and residents. All those interested in the project are invited to attend PIC No. 2:

**Date:** March 6, 2024

**Time:** 4:00 p.m. to 6:00 p.m.

**Location:** Almas Room, Hagersville Arena, 36 Sherring Street North, Hagersville, ON

### HOW DO I GET MORE INFORMATION?

All those interested in the project are invited to view the project information on the County's website: "[Hagersville Master Servicing Plan Update](#)" (opens in web browser). A mailing list for notification of study status and opportunities for public input is being compiled. If you wish to add your contact information to the Hagersville Master Servicing Plan study mailing list, or if you have any questions regarding the study, please contact one of the people listed below.

Jane Wilson, P. Eng. Municipal Infrastructure and Planning Market Chief J.L. Richards & Associates Limited 107-450 Speedvale Ave W Guelph, ON N1H 7Y6 Phone: 226-780-7487 Email: <a href="mailto:jwilson@jlrichards.ca">jwilson@jlrichards.ca</a>	Philip Wilson, C.E.T., PMP Manager – Water and Wastewater Engineering Haldimand County, Administration Building 53 Thorburn St. S. Cayuga, ON N0A 1E0 Phone: 905-318-5932 ext. 6431 Email: <a href="mailto:pwilson@haldimandcounty.on.ca">pwilson@haldimandcounty.on.ca</a>
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Haldimand County is conducting this study according to the requirements of Phase 1 and 2 of the Municipal Class Environmental Assessment process which is an approved process under the Environmental Assessment Act. This Master Plan is being completed with sufficient detail to fulfill the requirements for Schedule 'B' projects (Approach 2).

Haldimand County will collect information in accordance with the Municipal Freedom of Information and Protection of Privacy Act. Except for personal information, all comments will become part of the public record. If you have any accessibility requirements to participate in this project, please contact a project team member listed above.

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## **Appendix B**

PIC 2 Presentation





# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## **Welcome** to this Public Information Centre for the **Hagersville Master Servicing Plan (MSP).**

We want to hear from you.

Please fill out the comment sheet provided at today's Public Information Centre and leave it in one of the boxes provided.

Additional information is available on the project website at [www.haldimandcounty.ca](http://www.haldimandcounty.ca)



**Haldimand**  
County

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre  
**Problem / Opportunity Statement**

The purpose of this Master Servicing Plan Update is to evaluate Hagersville's long-term infrastructure needs to match the growth in Hagersville over the Master Plan Planning Horizon. Four servicing components will be evaluated through this Master Servicing Plan Update:

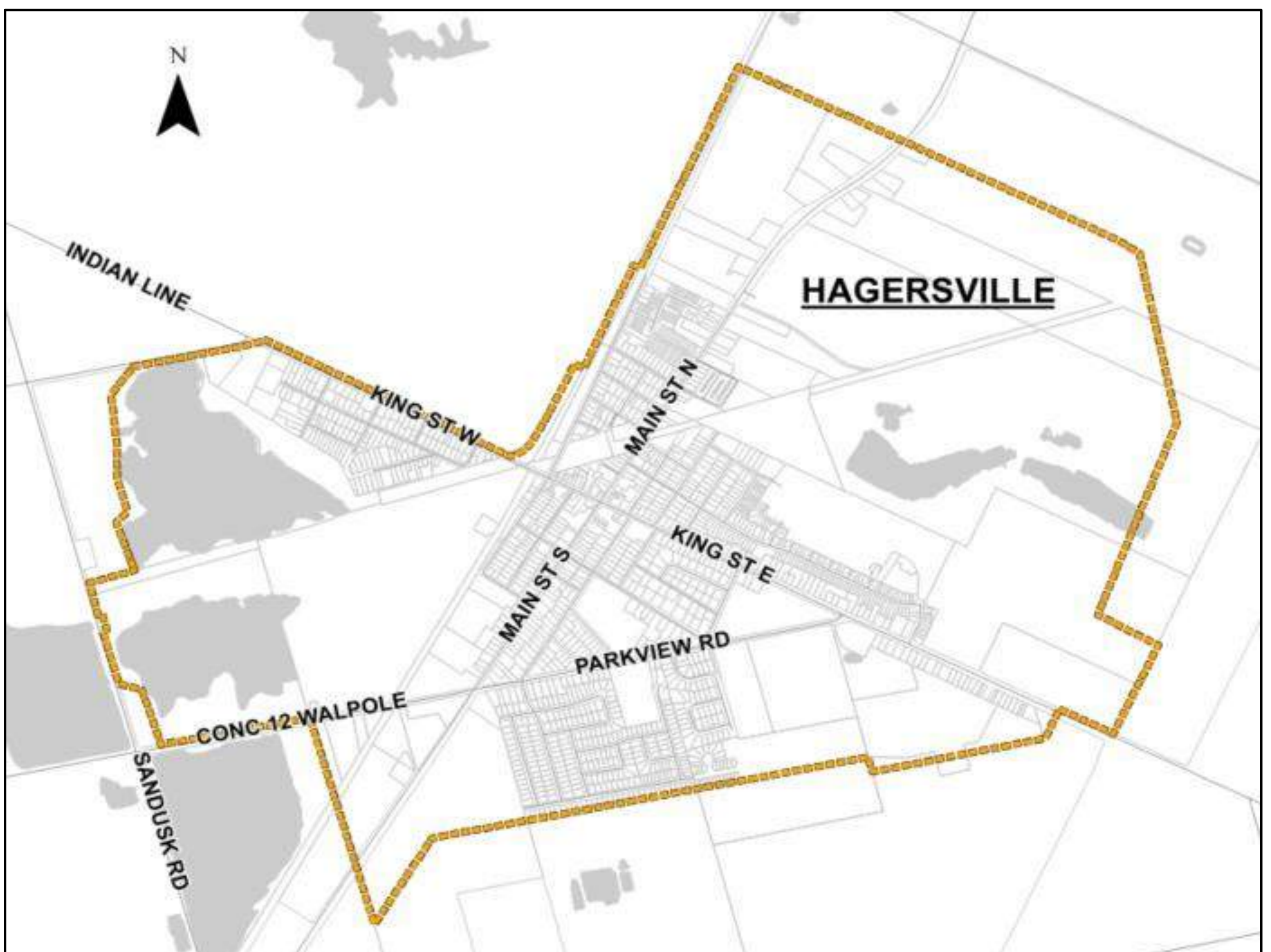
**WATER**

**WASTEWATER**

**STORMWATER**

**TRANSPORTATION**

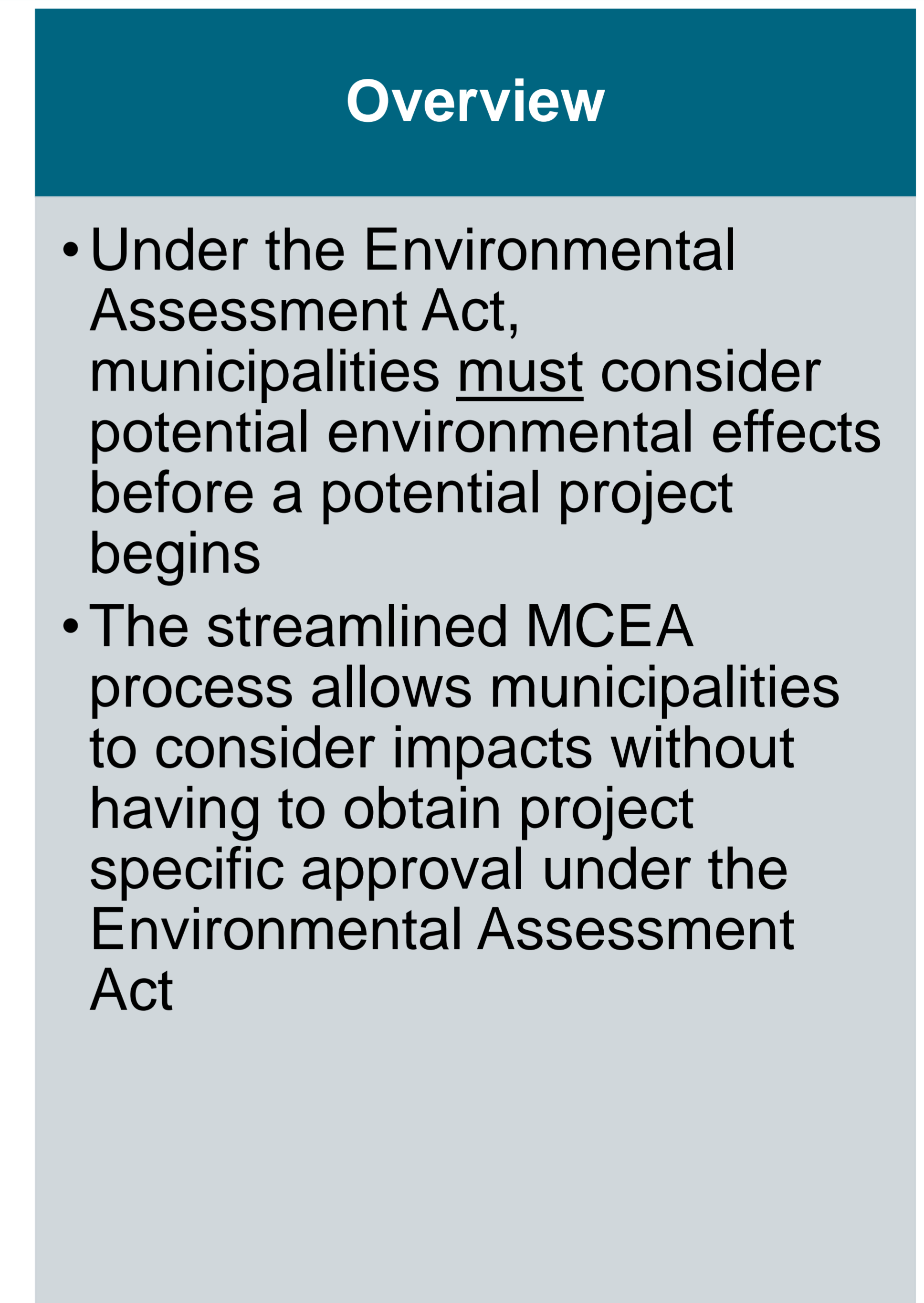
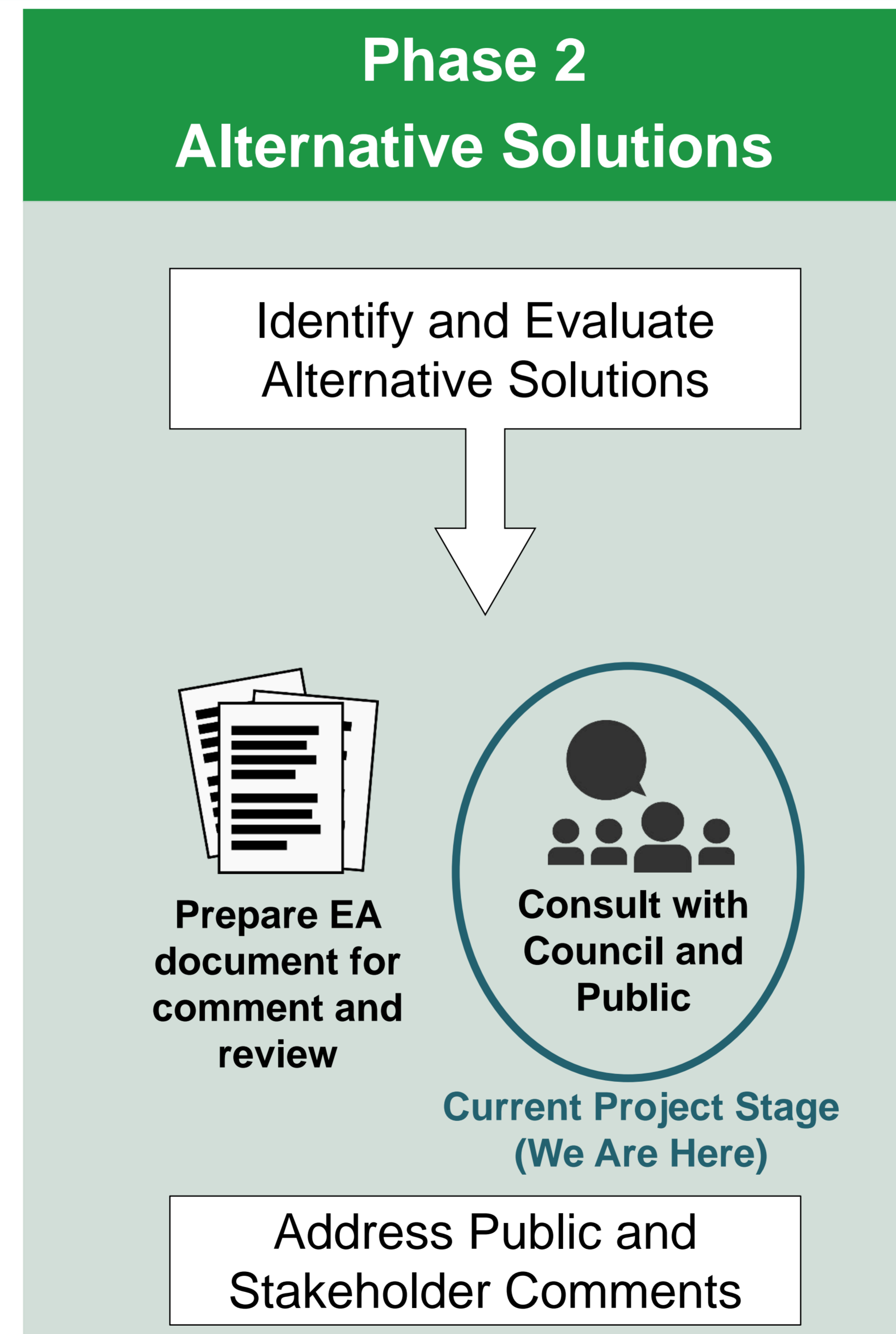
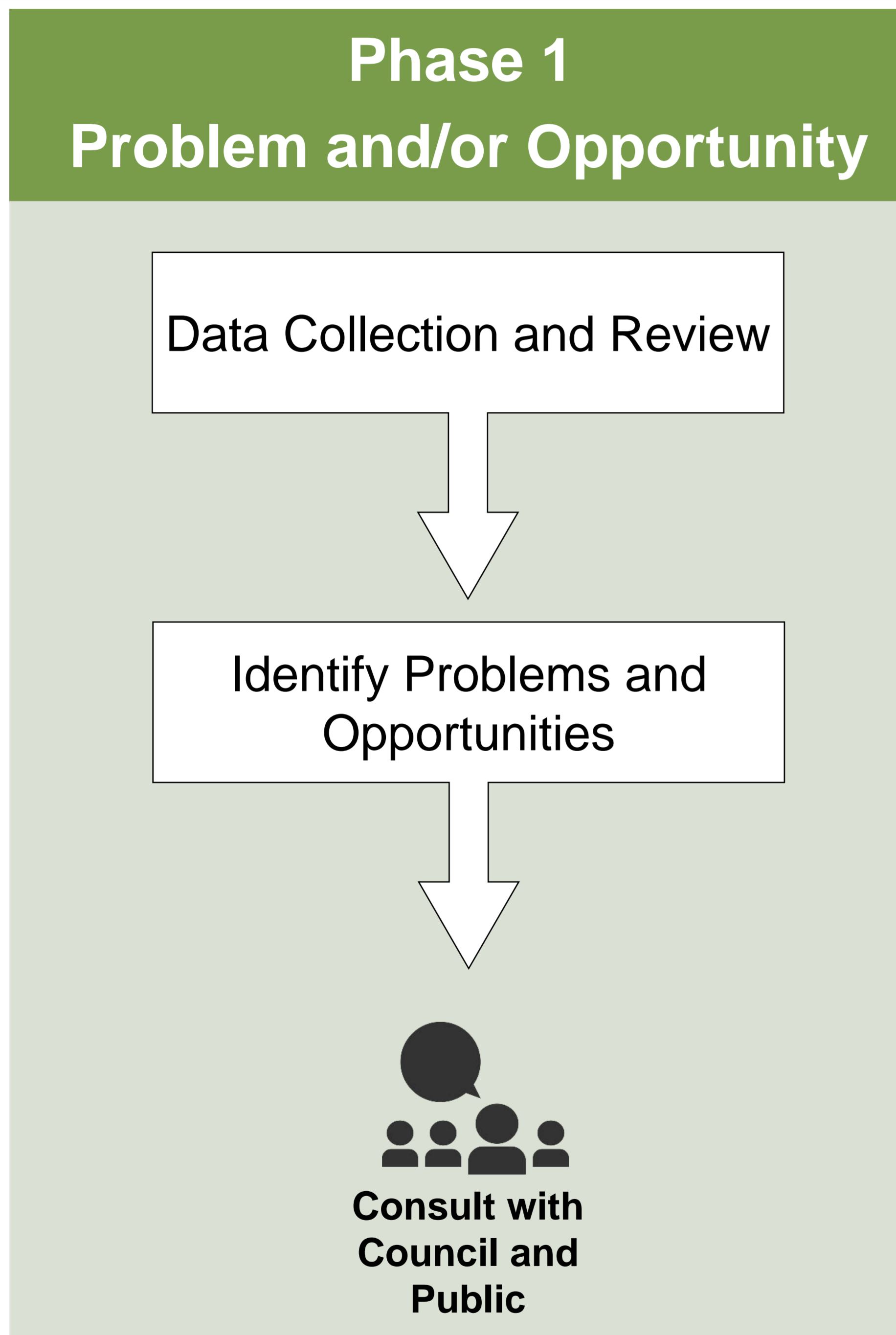
Through consultation with participating stakeholders and rightsholders, the Municipal Class Environmental Assessment (MCEA) framework will enable the consideration of options and identify preferred infrastructure solutions that are environmentally, socially, and financially responsible and sustainable.



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Municipal Class Environmental Assessment (MCEA) Process



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Future Development

Existing and Future Growth in Hagersville:

Existing (2023)

**3,164** units

Future Residential Growth

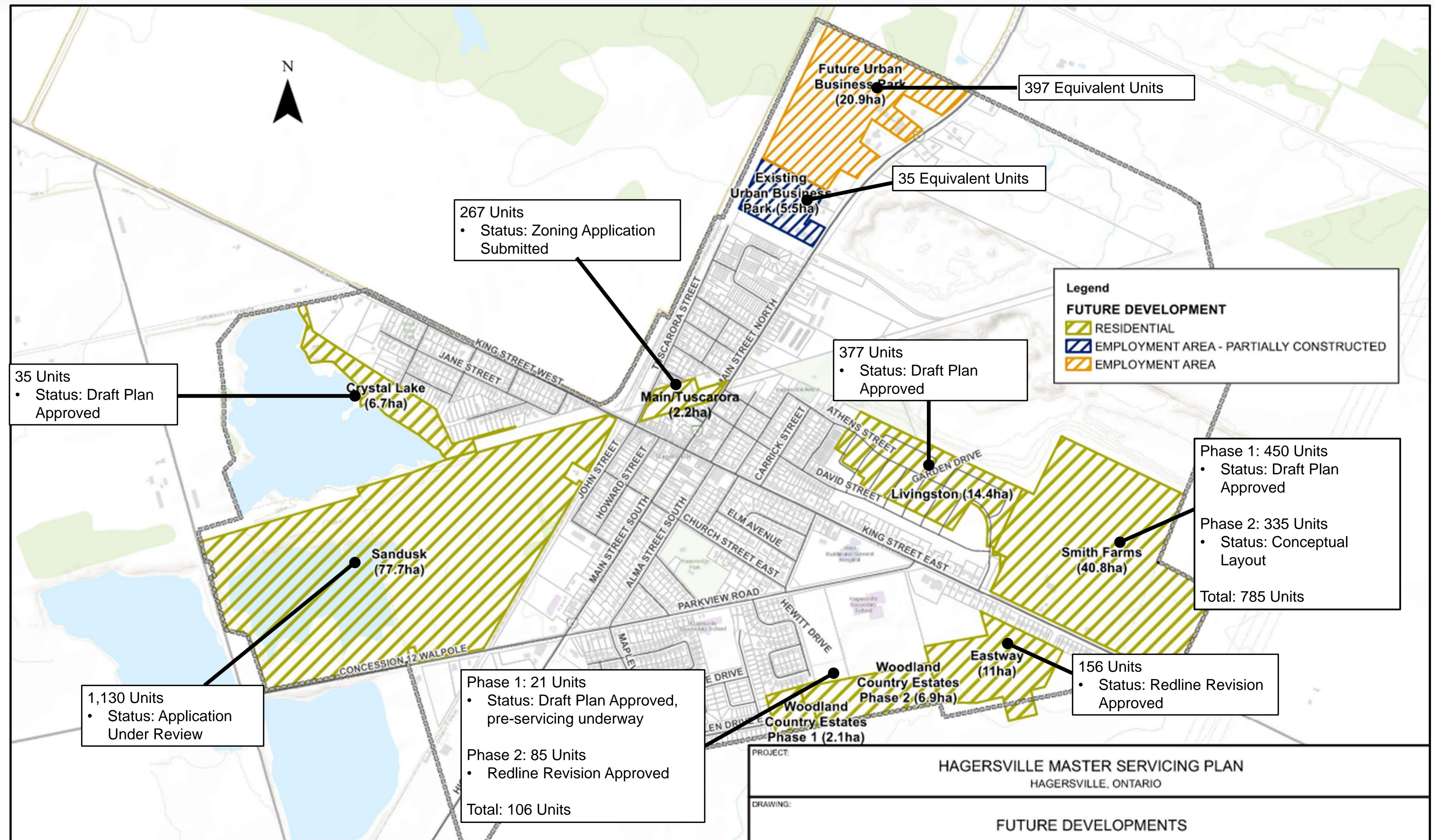
**2,856** units

Future Industrial, Commercial, or Institutional (ICI) Growth

**433** units

Total (Existing + Future)

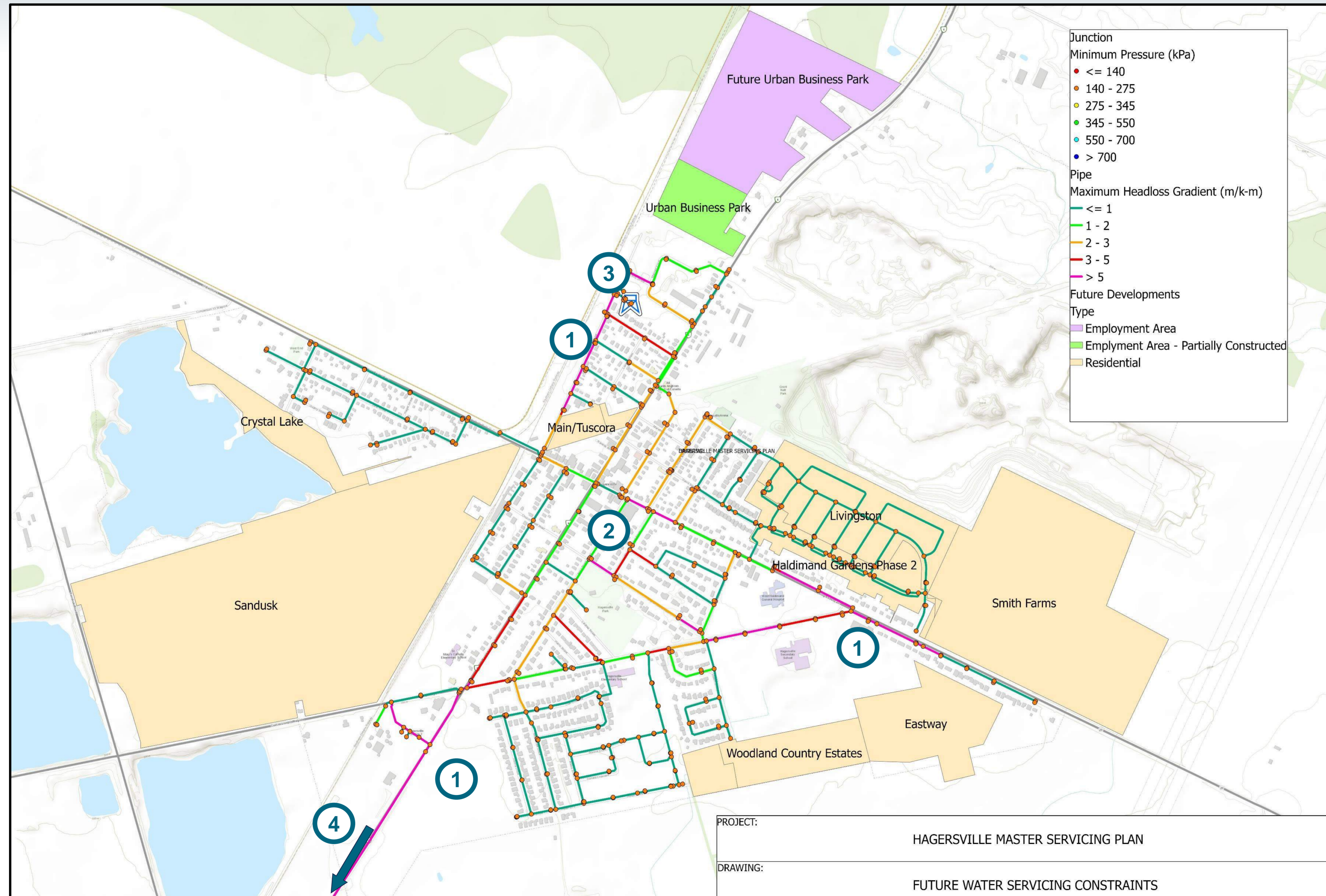
**6,453** units



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Future Water Servicing Issues and Constraints



**1** System constraints result in **high headlosses** greater than 2 m/km in watermains throughout the distribution system. Areas of particular concern are as follows:

- Highway 6
- King St E
- Tuscarora St
- Parkview Rd

**2** High headlosses throughout the system cause a **drop in pressure** as water is carried throughout Hagersville. **Minimum pressures** below the preferred range of 275 kPa are observed.

**3** The Hagersville Standpipe will be at a **storage deficit** under future demands. Additional water storage will be evaluated.



**4** Existing and future water demands are within the rated capacity of the Hagersville Booster Pumping Station, should sufficient storage be provided.

# HAGERSVILLE MASTER SERVICING PLAN




## Public Information Centre

### Evaluation of Water Servicing Alternatives

#### ALTERNATIVE 1 Do Nothing




-  This alternative does not address the identified water storage deficit and distribution capacity issues
-  If this alternative is chosen, future growth and storage requirements won't be sufficient for future conditions

#### ALTERNATIVE 2 New Standalone 4.5 ML Elevated Tank

-  New ET provides significant floating storage in Hagersville
-  No upgrades required at the Hagersville BPS
-  Decommission standpipe before end-of-life cycle.
-  More challenging to construct than other alternatives.
-  Does not provision for future servicing extensions that include First Nations and Caledonia.





**Capital Costs: ~\$26M**  
*Significant impact to existing rate payers*

#### ALTERNATIVE 3 New Additional 1.5 ML Reservoir at Hagersville BPS

-  Improvement of system security with new in-ground reservoir storage in addition to standpipe
-  Hagersville BPS upgrades required to increase pump sizing
-  Does not provision for future servicing extensions that include First Nations and Caledonia.

**Capital Costs: ~\$24M**  
*Little to no impact to existing rate payers*

#### ALTERNATIVE 4 New Additional 1.5 ML Reservoir and BPS at South End of Hagersville

-  Greater improvement of system security by placing storage closer to Hagersville with the addition of an in-ground reservoir at the Hagersville BPS
-  Infrastructure on greenfield sites is typically less challenging to design and construct.
-  Can accommodate for future servicing extensions that include First Nations and Caledonia.
-  Decommission Hagersville BPS before end-of-life cycle

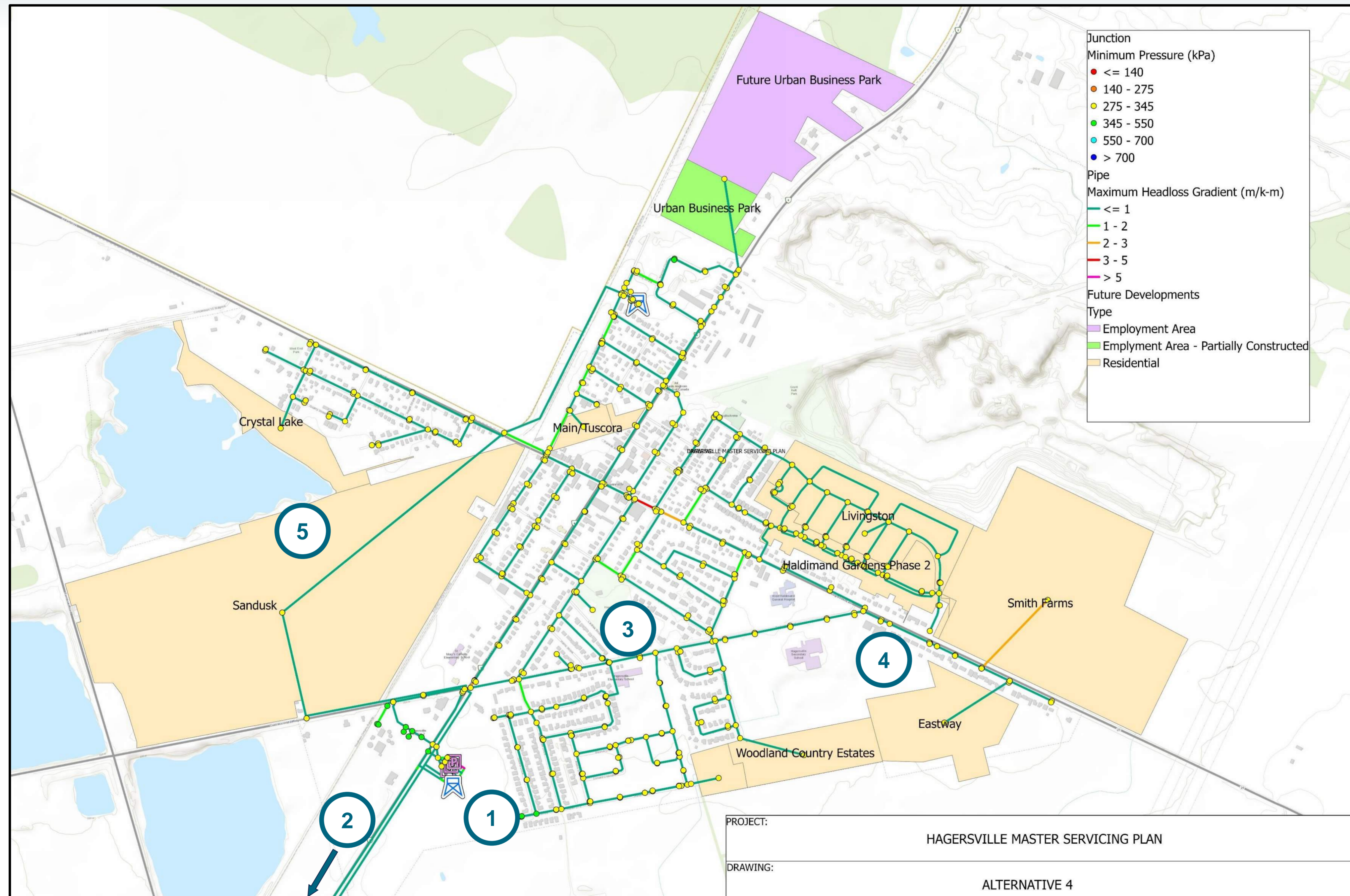
**Capital Costs: ~\$24M**  
*Little to no impact to existing rate payers*

Additional minor project upgrades are also recommended to further improve distribution system results such as fire flow supply. These improvements include replacement of existing cast iron watermains within the distribution system located in the area surrounding King St East. These upgrades can be staged and grouped with the upgrades recommended for the future servicing alternatives.

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Water Servicing Alternative



### Alternative #4

- 1 New 1.5ML Reservoir and BPS at South End of Hagersville. Decommission existing BPS on Highway 6. Construction of a dedicated in-line BPS to supply White Oaks community.
- 2 New 450mm twinned transmission on Highway 6 connecting to new in-ground reservoir.
- 3 New 300mm watermain replacement on Parkview Road from Highway 6 to King St East.
- 4 New 300mm watermain replacement on King St East from Parkview Rd to Smith Farms development.
- 5 New 450mm watermain through Sandusk development. This loop provides connectivity from Highway 6 to the existing Standpipe.



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Water Servicing Alternative

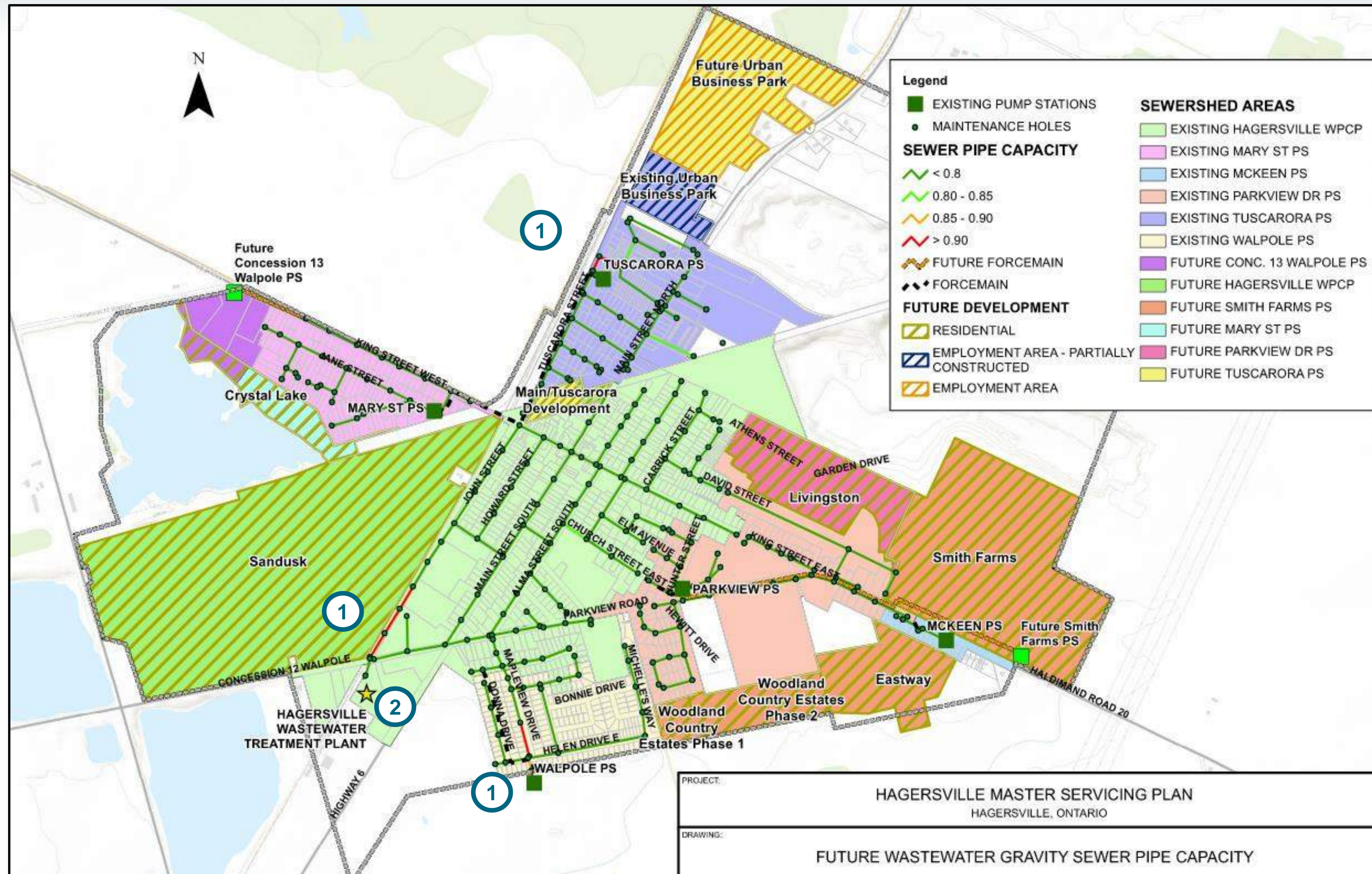
MSP System Component	Description	Cost Estimate
<b>Watermains</b>		
WM-1	New Twinned 450mm Transmission WM along Highway 6	\$9,500,000
WM-2	New 450mm Watermain through Sandusk Development to Existing Standpipe	\$3,900,000
WM-3	New 300mm Watermain Replacement along Parkview Road	\$1,700,000
WM-4	New 300mm Watermain Replacement along King St East	\$600,000
<b>Reservoir and BPS</b>		
W-PS-1	New 1.5ML Reservoir and BPS	\$7,500,000
W-PS-2	Decommission Existing BPS	\$500,000
W-S-1	Environmental Assessment for New Reservoir and BPS	\$300,000
Total Water Cost		<b>\$24,000,000</b>



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Future Wastewater Servicing Issues and Constraints



**1** Capacity constraints are anticipated under future development conditions for gravity sewers in the following areas:

- Near Tuscarora PS and the Future Urban Business Park
- Near Walpole PS
- Near the future Sandusk development

**2** The WWTP has a rated capacity of 4,200 m<sup>3</sup>/day. Future average day wastewater flows will be approximately 4,900 m<sup>3</sup>/day, therefore **the WWTP has insufficient capacity under future conditions.** It is also anticipated that Hagersville will continue to experience high levels of inflow and infiltration if these issues are not addressed. High inflow and infiltration can impact WWTP performance, causing bypass events and/or high levels of Total Suspended Solids in the wastewater.



# HAGERSVILLE MASTER SERVICING PLAN

## Public Information Centre

### Evaluation of Wastewater Treatment Plant Alternatives






#### ALTERNATIVE 1

Do Nothing

-  This alternative does not address the identified wastewater treatment capacity issues
-  If this alternative is chosen, the WWTP will be unable to treat increased flows from future growth and development in Hagersville will be limited

#### ALTERNATIVE 2

Increase Capacity at the Existing WWTP with Land Acquisition

-  Effective use of existing infrastructure
-  Less potential impacts to archaeology, cultural heritage, and natural environment, as development will primarily be on previously disturbed lands at the existing site
-  Limited space on site to support long term (75+ years) of treatment plant expansions
-  Construction of expansion may be technically challenging
-  Effluent is discharged to an environmentally sensitive receiver

**Capital Costs: ~\$10M**

*Little to no impact to existing rate payers*

#### ALTERNATIVE 3

Build New WWTP at a New Site






-  Infrastructure on greenfield sites is typically less challenging to design and construct
-  The capacity of the new WWTP could be expanded in phases
-  Available space on the site for future expansions beyond the current planning horizon
-  Does not utilize existing treatment infrastructure
-  Potential impacts to archaeology, cultural heritage, and natural environmental features
-  Effluent is discharged to an environmentally sensitive receiver

**Capital Costs: ~\$60M**

*Some impact to existing rate payers*

#### ALTERNATIVE 4

Connect All Hagersville Flows to Nanticoke WWTP






-  Aligns with Highway 6 Corridor servicing strategy that provides for long term wastewater servicing
-  Effluent is not discharged to an environmentally sensitive receiver
-  Potential impacts to archaeology, cultural heritage, and environmental features between Hagersville and Nanticoke
-  Construction of conveyance infrastructure may be disruptive and technically challenging
-  Uncertainty surrounding potential of Nanticoke WWTP construction

**Capital Costs: ~\$50M**

*Significant impact to existing rate payers*

#### ALTERNATIVE 5

Connect Parkview PS Flows to Nanticoke WWTP

-  Partially aligns with Highway 6 Corridor servicing strategy that provides for long term wastewater servicing.
-  Effluent is not discharged to an environmentally sensitive receiver
-  Potential impacts to archaeology, cultural heritage, and environmental features between Hagersville and Nanticoke
-  Construction of conveyance infrastructure may be disruptive and technically challenging
-  Uncertainty surrounding potential of Nanticoke WWTP construction

**Capital Costs: ~\$38M**

*Some impact to existing rate payers*

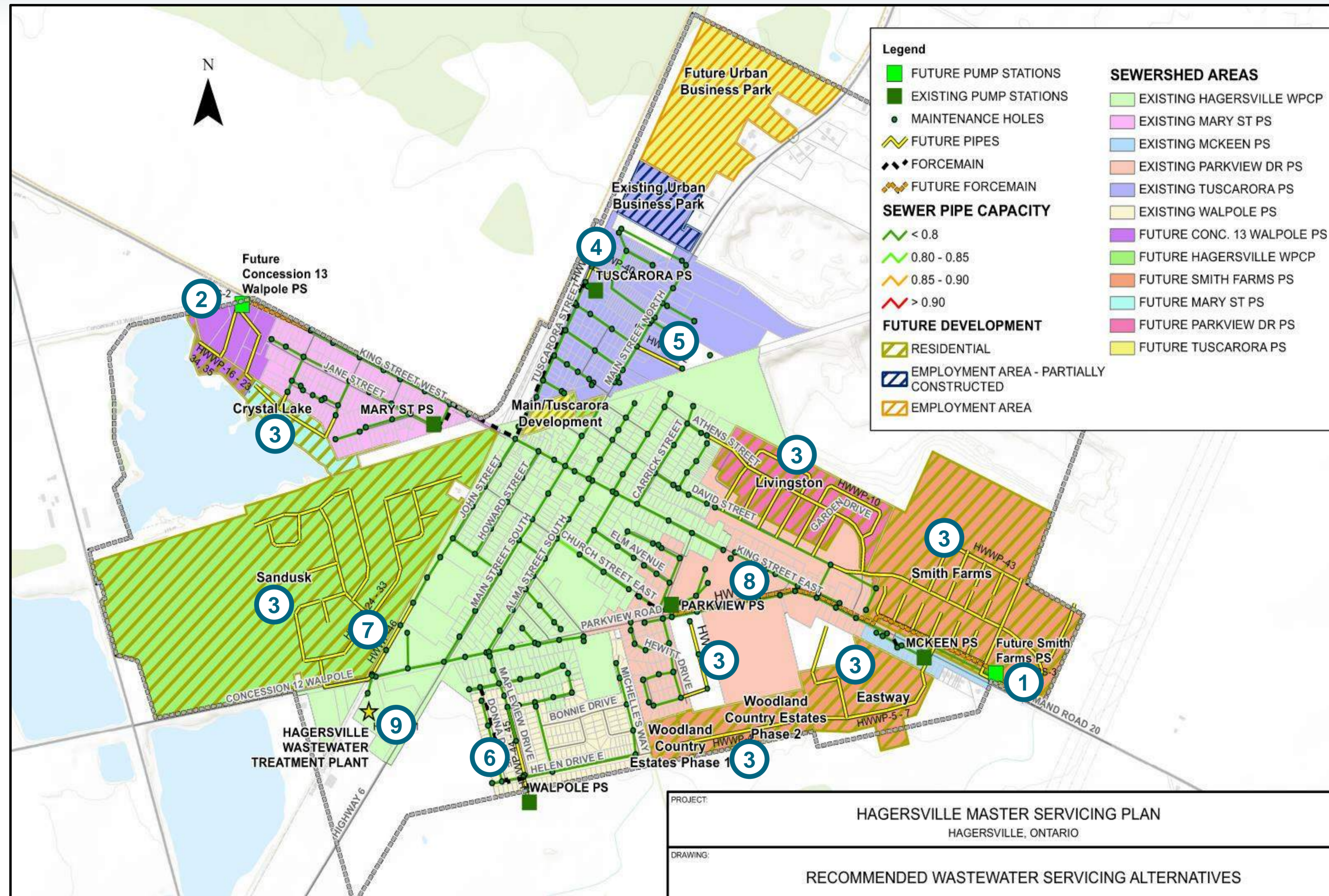
Further evaluation of the wastewater treatment alternatives is required through a **Schedule C Class Environmental Assessment** to select the preferred alternative. Key considerations include:

- Timing and magnitude of major lifecycle upgrades of the existing WWTP, and timing of the potential Nanticoke WWTP
- Confirmation of effluent objectives and limits to be met by a new or expanded WWTP
- Review of available technologies
- Revised consideration of capital and lifecycle costs based on the above analyses

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Wastewater Servicing Alternatives



- 1 New Smith Farms PS
- 2 New Concession 13 Walpole PS
- 3 **New Sanitary Sewer Networks for:**
  - 3.1: Woodland Country Estates
  - 3.2: Eastway
  - 3.3: Livingston
  - 3.4: Crystal Lake
  - 3.5: Sandusk
  - 3.6: Smith Farms
  - 3.7: East of Hewitt Drive
- 4 Pipe Upgrades on **Emily Street** and **Tuscarora Street**
- 5 Pipe Upgrades on **Oneida Street**
- 6 Pipe Upgrades and slope revisions on **Mapleview Drive**, upstream of the Walpole PS
- 7 Slope revisions for sewer along CN Railway roadway corridor
- 8 Slope revision for sewer section on Parkview adjacent to Hagersville secondary school
- 9 Schedule C Class EA for New or Expanded WWTP; Construction of a New or Expanded Wastewater Treatment Plant



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

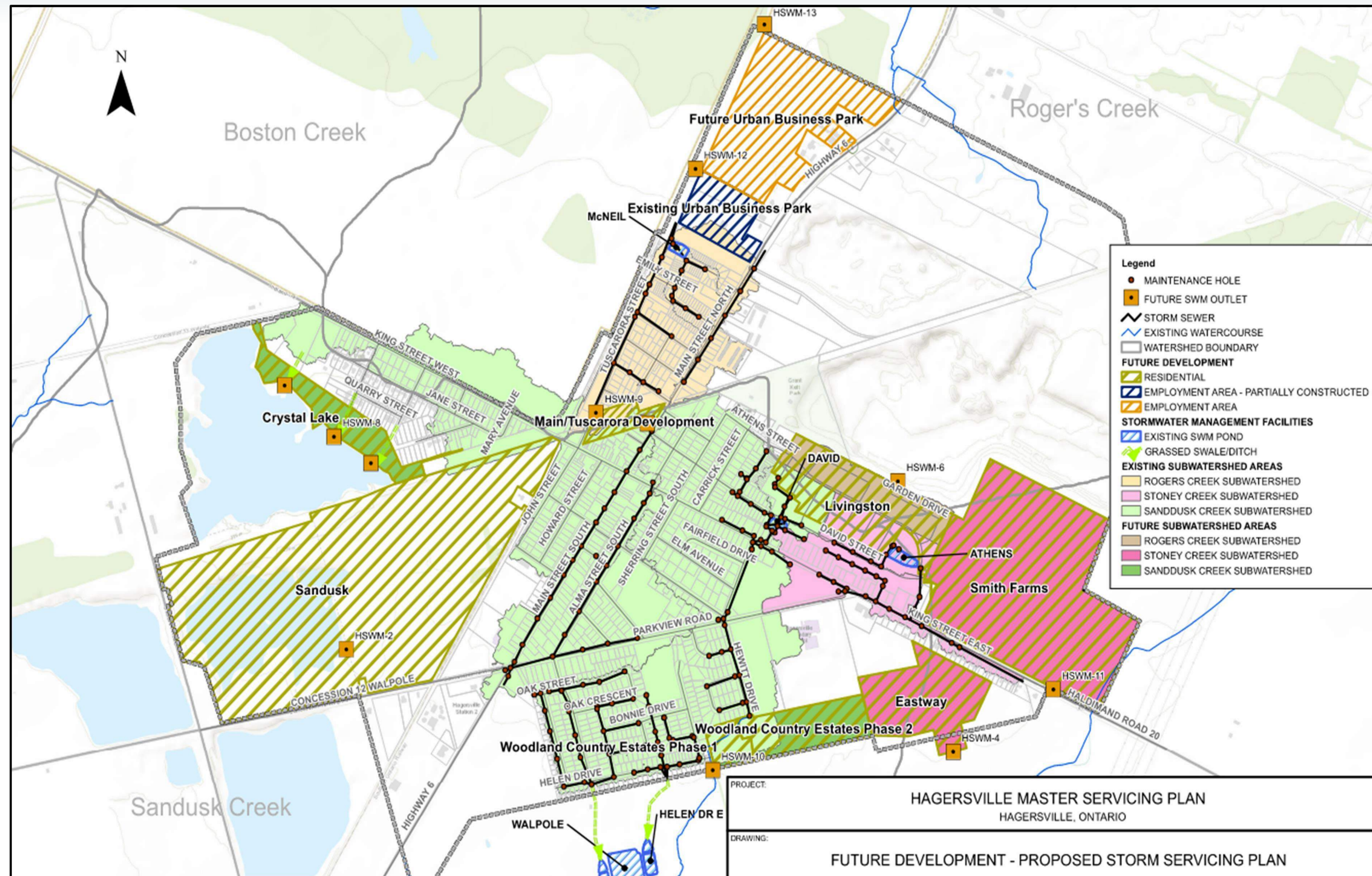
## Recommended Wastewater Servicing Alternatives Summary

MSP System Component	Description	Cost Estimate
<b>Pumping (Pumping Stations) and Forcemains</b>		
Upgrade 1	Future Concession Road 13 Walpole PS and Forcemain	Funded By Developers
Upgrade 2	Future Smith Farms PS and Forcemain	Funded By Developers
<b>Sanitary Mains</b>		
Upgrade 3	New Pipe Networks for Future Developments	Funded By Developers
Upgrade 4	Pipe Upgrade: Emily Street and Tuscarora Street	\$165,000
Upgrade 5	Pipe Upgrade: Oneida Street (east of Main Street North)	\$260,000
Upgrade 6	Pipe Upgrade and Slope Revision: Maplevue Drive upstream of Walpole PS wet well	\$295,000
Upgrade 7	Pipe Upgrade – Slope Revision: CN railway corridor /Concession 12 Walpole.	\$530,000
Upgrade 8	Pipe Upgrade – Slope Revision: Parkview Drive / Hagersville Secondary School	\$290,000
<b>Wastewater Treatment</b>		
Upgrade 9	Schedule C Class EA for New or Expanded Wastewater Treatment Plant	\$400,000
	New or Expanded Wastewater Treatment Plant (Costs Depend on Preferred Alternative)	\$10,000,000 - \$60,000,000
Total Wastewater Cost		<b>\$11,940,000 - \$61,940,000</b>

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Future Stormwater Servicing Issues and Constraints



1

All future development in Hagersville is **required to control post-development stormwater flows to existing stormwater flow rates** and satisfy required water quality criteria established by the Ministry of the Environment, Conservation, and Parks (MECP).

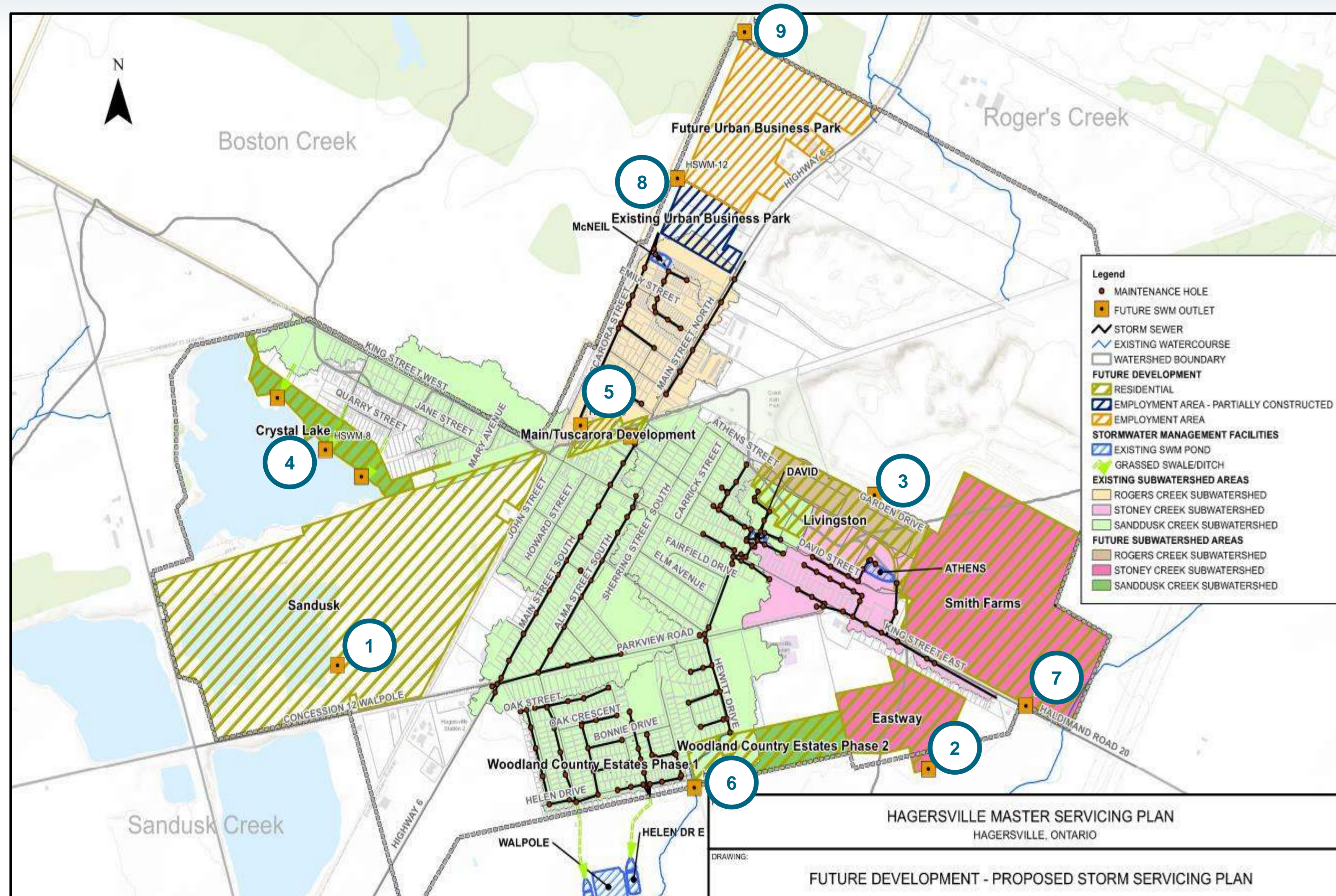
2

Future developments will **need to adhere to all stormwater management requirements** set by the MECP at the time of approval. The figure to the left shows a proposed storm servicing plan to satisfy these stormwater management requirements

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Stormwater Servicing Alternatives



### Stormwater Management Measures for Future Developments:

- Stormwater servicing for future developments must be in compliance with the County's CLI ECA
- Proposed developments must address the following:
  - Water Balance
  - Water Quality
  - Erosion Control
  - Water Quantity
  - Flood Control
  - Construction Erosion and Sediment Control
- Stormwater Management will be required for all future developments:

- |                              |                                |
|------------------------------|--------------------------------|
| 1 Sandusk                    | 6 Woodland Country Estates     |
| 2 Eastway                    | 7 Smith Farms                  |
| 3 Livingston                 | 8 Existing Urban Business Park |
| 4 Crystal Lake               | 9 Future Urban Business Park   |
| 5 Main/Tuscarora Development |                                |



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Stormwater Servicing Alternatives Summary

MSP System Component	Description	Cost Estimate
<b>Stormwater Management</b>		
Upgrades 1 through 9	Stormwater management for future developments (Sandusk, Eastway, Livingston, Crystal Lake, Main/Tuscarora, Woodland Country Estates, Smith Farms, and the Existing and Future Urban Business Parks)	Due to the wide range of site-specific constraints and development design solutions to address the CLI ECA requirements, costs are unable to be estimated for stormwater management on a development basis.

**Stormwater Main Upgrades:** Some sections of pipe were identified as having limited capacity under the 2- and 5-year storm, however no surface flooding was experienced, and no significant issues were identified.

Additionally, stormwater main upgrades may be difficult to construct due to:

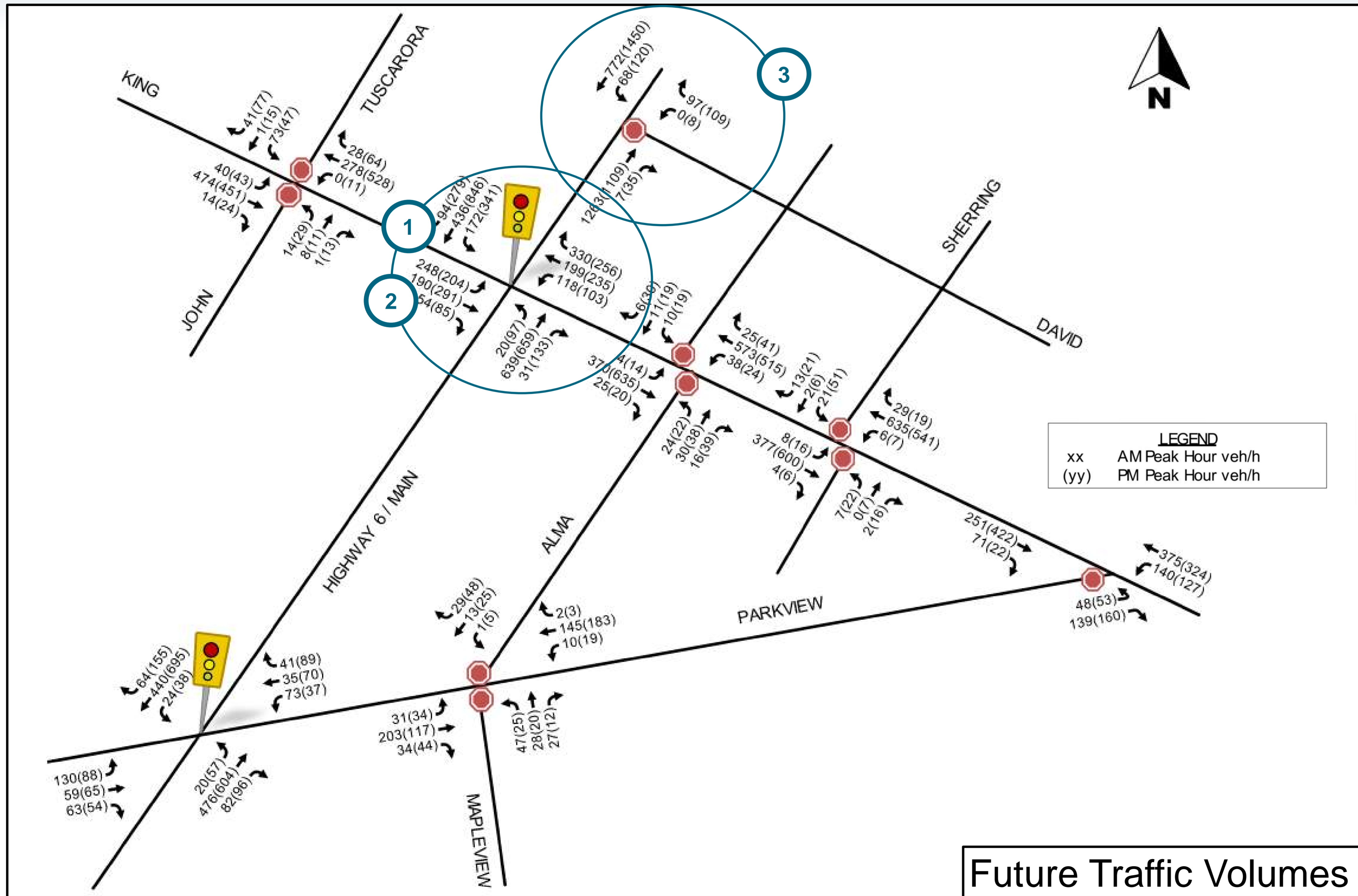
- Pipes having insufficient cover once they are re-sloped due to Hagersville’s shallow system
- Longer sections requiring upgrades to accommodate shallow system

Because of this, no storm mains have been identified for upgrades. Upgrades could be completed if there is an identified flooding issue or if other capital works projects involving excavation are being considered for identified areas.

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Future Transportation Servicing Issues and Constraints



**1** Under future development conditions, the **Highway 6-Main St/King St intersection experiences high traffic volumes** and is projected to operate near or over capacity during the afternoon peak hour.

**2** Under future development conditions, the northbound left-turn and southbound left-turn movements at the **Highway 6-Main St/King St intersection is projected to exceed available storage capacity** during the afternoon peak hour.

**3** Under future development conditions, the **Highway 6-Main St/David St intersection experiences high traffic volumes** and is projected to operate near or over capacity during the morning and afternoon peak hour.

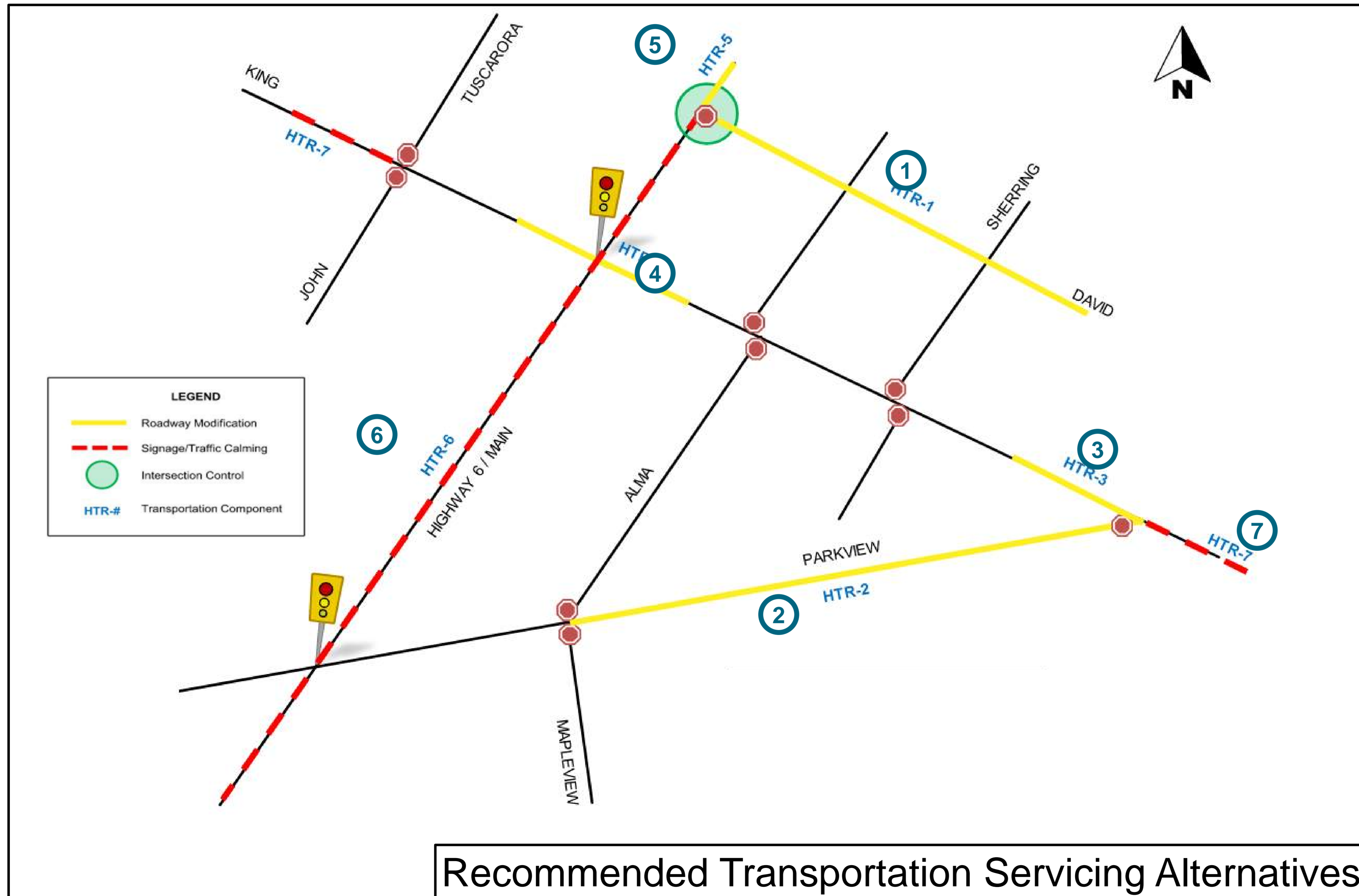
Intersection capacity is assessed based on the Ontario Ministry of Transportation (MTO)'s *General Guidelines for the Preparation of Traffic Studies* to determine if intersections are operating acceptably.



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Transportation Servicing Alternatives



- ① **Upgrade David Street (between Main and Cedar) from a local roadway to a two-lane Collector** (planning change; no physical changes made to roadway)
- ② **Upgrade Parkview Road (within urban boundary) to Arterial** (add sidewalk, both sides)
- ③ **Upgrade King Street (within urban boundary) to Arterial** (add sidewalk, both sides)
- ④ **Main/King Intersection Improvement:** Update Pavement Markings to Provide Auxiliary East-bound and West-bound Left-turn Lanes
- ⑤ **Main/David Intersection Improvement:** Signalization, Provide Auxiliary South-bound and Left-turn Lane
- ⑥ **Main/Highway 6 Improvement:** Traffic Calming Measures (County Wide Survey for Traffic Calming Planned for 2024)
- ⑦ **King Street Truck Route Improvement:** Provide Additional Signage; Traffic Calming Measures



# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

## Recommended Transportation Servicing Alternatives

MSP System Component	Description	Cost Estimate
<b>Transportation Component</b>		
Upgrade 1	Upgrade David Street (Main to Cedar) to two-lane collector (planning change; no physical changes made to roadway)	\$0
Upgrade 2	Upgrade Parkview Road (within urban boundary) to arterial (add sidewalk, both sides)	\$330,000
Upgrade 3	Upgrade King Street (within urban boundary) to arterial (add sidewalk, both sides)	\$200,000
Upgrade 4	Main / King Intersection Improvement: Update pavement markings to provide auxiliary eastbound and westbound left-turn lanes	\$15,000
Upgrade 5	Main / David Intersection Improvement: Signalization, provide auxiliary southbound left-turn lane	\$380,000
Upgrade 6	Main Street / Highway 6 Improvement: Traffic calming measures (County-wide survey for traffic calming planned for 2024)	TBD (Traffic Calming Survey Planned for 2024)
Upgrade 7	King Street Truck Route Improvement: Provide additional signage to make truck route clearer and traffic calming measures	\$50,000
<b>Total Transportation Cost</b>		<b>\$975,000</b>



### Impacts of Climate Change

- **Higher precipitation** from extreme weather
  - Increased **Inflow and Infiltration**, impacting sanitary system and treatment plant performance
  - **Higher flows and runoff**, impacting stormwater system performance
  - **Higher nutrient loading and algal blooms**, impacting drinking water treatment performance
  - **Flooding** of infrastructure
- **Water level fluctuations** in lakes and groundwater table impacting water supply
- **Evaporation** due to extreme heat
- **Energy usage** during extreme weather



### Mitigation and Adaptation

- Once proposed infrastructure alternatives are identified (Phase 2 of the MCEA), climate change mitigation and adaptation measures will be identified and assessed
- **Potential Mitigation and Adaptation Measures:**
  - Working with Conservation Authority, Provincial, and Federal **climate change adaptation initiatives**
  - **Renewable energy generation** and backup power
  - Building **resilient infrastructure**
  - Consideration of **future climate** conditions during the design of infrastructure

# HAGERSVILLE MASTER SERVICING PLAN

## Public Information Centre

### Cumulative Effects and Potential Impacts to Treaty Rights

Haldimand County is home to many Indigenous peoples, including the Six Nations of the Grand River and the Mississaugas of the Credit First Nation. The United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and Canada’s commitment to implement these rights under the UNDRIP Act (UNDRIPA), was used as reference to determine the potential impacts of this Master Servicing Plan to the rights of Indigenous People within the project study area:

#### Rights Relating to Culture, Traditions, Customs, and Spirituality:

UNDRIP Act Article	Impact Considerations	Impact Mitigation
<ul style="list-style-type: none"> <li>Articles 11.1, 12.1, 15.1, 24.1, 25, 31.1</li> </ul>	<ul style="list-style-type: none"> <li>Several areas within the project study area have been identified as having the potential for archaeological and cultural heritage significance.</li> <li>Natural features of traditional significance (e.g., hardwood trees, medicinal plants, animals) may be present on proposed project sites.</li> </ul>	<ul style="list-style-type: none"> <li>Once preferred project sites are known, a walk-through could be conducted with the affected Indigenous community for further investigation to determine specific concerns and mitigation measures.</li> <li>Knowledge learned from these site walk-throughs could be incorporated into the project.</li> </ul>

#### Rights Relating to Decision Making and Participation in Projects:

UNDRIP Act Article	Impact Considerations	Impact Mitigation
<ul style="list-style-type: none"> <li>Articles 13.2, 18</li> </ul>	<ul style="list-style-type: none"> <li>Indigenous peoples have the right to participate in decision-making for matters that affect their rights.</li> <li>Several types of project information are used to inform interested persons of the project; there may be interested persons who are unable to understand provided information and unable to participate in the project.</li> </ul>	<ul style="list-style-type: none"> <li>By following the MCEA process, the study will meet the intention of meaningful consultation with Indigenous communities, including ensuring all provided project information can be understood by Indigenous peoples.</li> <li>Indigenous peoples can participate in the evaluation and decision-making process of the MCEA by providing comments and concerns on proposed projects.</li> </ul>

#### Rights Relating to Development and Economic & Social Conditions:

UNDRIP Act Article	Impact Considerations	Impact Mitigation
<ul style="list-style-type: none"> <li>Articles 21.1, 21.2, 23</li> </ul>	<ul style="list-style-type: none"> <li>Indigenous peoples living in Hagersville have the right to improvement of their municipal services without discrimination.</li> </ul>	<ul style="list-style-type: none"> <li>By following the MCEA process, areas of Hagersville requiring municipal service improvement will be identified without discrimination against Indigenous communities.</li> <li>Appropriate provincial guidelines will be followed for preferred projects so that members of Indigenous communities will be protected from municipal services in poor condition.</li> </ul>

#### Rights Relating to the Environment and Conservation:

UNDRIP Act Article	Impact Considerations	Impact Mitigation
<ul style="list-style-type: none"> <li>Articles 29.1, 29.2</li> </ul>	<ul style="list-style-type: none"> <li>Development of municipal services will be proposed as part of this MSP, which may have environmental impacts.</li> </ul>	<ul style="list-style-type: none"> <li>By following the MCEA process, potential projects will undergo an evaluation process that considers the protection and conservation of the environment.</li> <li>Through meaningful consultation, particular areas or conditions of concerns held by Indigenous communities can be discussed and incorporated into the project.</li> </ul>

# HAGERSVILLE MASTER SERVICING PLAN

Public Information Centre

**Get Involved**

## How Do I Get More Information?

- Complete the sign-in form to join the study mailing list
- Check the website ([www.haldimandcounty.ca](http://www.haldimandcounty.ca)) for study updates
- If you have questions regarding the study, or have any accessibility requirements in order to participate in this project, please contact one of the individuals below at any time:

### **Jane Wilson, P.Eng.**

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107-450 Speedvale Avenue West  
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### **Philip Wilson, C.E.T., PMP**

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## **Appendix C**

PIC 1 Written Correspondence

## COMMENT FORM

Name (please print): \_\_\_\_\_

Date: MAR 6 / 24

Do you wish to receive updates in regards to this project?  Yes  No

### Contact Information (Optional)

Agency (if applicable): \_\_\_\_\_

Address (number, street and apt. no.): \_\_\_\_\_

City, Province, Postal Code: | \_\_\_\_\_ |

Phone:  Email: \_\_\_\_\_

Please provide any comments or questions you have regarding this Master Plan.

- POSSIBLE WEST DEVELOPMENT PASS RAILROAD TRACK - WASTEWATER BE HANDLED THROUGH TOWNSEND TO DECREASE NEED ON HAGERSVILLE PLANT.
- TRANSPORTATION - NOTE INTERSECTION KING + TUSCARORA - ACCT ++ DUE TO SITE ↓ NEED INTERSECTION CONTROL



Please place any additional comments on the reverse of the form. Completed forms can be returned to any of the presenters or can be mailed or emailed to the individuals below.

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Comments and information regarding this Master Plan are being collected to assist in meeting the requirements of the Environmental Assessment Act. Haldimand County will collect information in accordance with the Municipal Freedom of Information and Protection of Privacy Act. This material will be maintained on file for use during Master Plan and may be included in project documentation. Except for personal information, all comments will become part of the public record.