

**Schedule B Municipal Class Environmental Assessment for a New  
Treated Water Storage Facility in Madoc, Ontario (FINAL)**

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**Appendix E**

Consultation Documents

# Notice of Public Information Centre #2

## Madoc Water, Wastewater and Stormwater Master Plan and Schedule 'B' Municipal Class Environmental Assessment for Treated Water Storage Facility in Madoc

The Municipality of Centre Hastings has initiated a Master Planning process in accordance with Approach 1 of the Municipal Engineers Association (MEA) Class Environmental Assessment (Class EA) to develop a Water, Wastewater and Stormwater Master Plan for Madoc.

The Master Plan study is assessing various options to improve the performance and reliability of the water, wastewater and stormwater infrastructure to ensure they can be relied upon to accommodate current and future growth.

Public and agency consultation is a key part of the Master Planning process. The Public Information Centre provides an opportunity for the public and stakeholder agencies to speak directly to the Project Team. The Public Information Centre No. 2 will provide the recommended servicing solutions of the problems identified based on the Phase 1 Master Plan. The Municipality is also advancing the Schedule 'B' Class EA for treated water storage facility and the recommendations from both the Master Plan and the treated water storage Class EA are now available.

The Public Information Centre No.2 is scheduled as follows:

**Date: June 11<sup>th</sup>, 2024**

**Time: 5:00 p.m. to 7:00 p.m. (Drop-in any time)**

**Location: Arts Centre Hastings, 24 Seymour Street West, Madoc, ON**

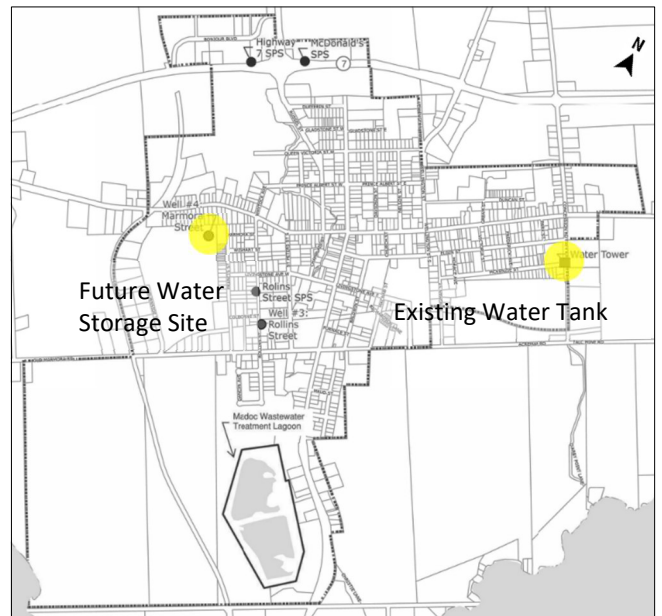
Project information will also be provided on the Municipality's website at [centrehastings.com/our-municipality/water-resources/madoc-water-wastewater-and-stormwater-master-plan/](https://centrehastings.com/our-municipality/water-resources/madoc-water-wastewater-and-stormwater-master-plan/). If you have any questions regarding the study, please contact one of the people listed below. We welcome your feedback.

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This study is being conducted according to the requirements of Approach 1 of a Master Plan under the Ontario Municipal Class Environmental Assessment process (October 2000, as amended in 2015 and 2023). Please note that ALL personal information included in your request – such as name, address, telephone number and property location – is collected, maintained and disclosed by the Ministry of the Environment and Climate Change for the purpose of transparency and consultation. The information is collected under the authority of the Environmental Assessment Act or is collected and maintained for the purpose of creating a record that is available to the general public as described in s.37 of the Freedom of Information and Protection of Privacy Act. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential.

This Notice was issued on May 17<sup>th</sup>, 2024.



HASTINGS

*Centre Hastings*

COUNTY

**PUBLIC INFORMATION CENTRE**

# **Water, Wastewater, Stormwater Master Plan**

- ☑ **June 11, 2024**
- ☑ **5:00pm - 7:00pm**  
**(drop in anytime)**
- ☑ **24 Seymour Street West**  
**(Madoc Arts Centre)**

- ☑ **Water Storage**  
**Schedule B Class EA**

The Master Plan is assessing various options to improve the performance and reliability of the water, wastewater, and stormwater infrastructure to ensure they can be relied upon to accommodate future growth.

**Additional info? Visit:**  
[centrehastings.com/masterplan](http://centrehastings.com/masterplan)

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**STAKEHOLDER REVIEW AGENCY LIST**  
**Madoc Water, Wastewater and Stormwater Master Plan**

Agency	Category	Name	Title	Email	Address	Delivery Preference
Ministry of the Environment, Conservation, and Parks Environmental Assessment Branch	MECP Agency Review team			eanotification.eregion@ontario.ca		Via Streamlined EA process
Project Review Unit - Eastern Region Environmental Assessment Branch Ministry of the Environment, Conservation and Parks	MECP Agency Review team	Jon orpana	Regional Environmental Planner	jon.orpana@ontario.ca	1259 Gardiners Rd. PO Box 22032 Kingston ON K7M 8S5	1 copy
Quinte Conservation Authority	MECP Agency Review team			info@quinteconservation.ca cc: Adickens@quinteconservation.ca	2061 Old Highway 2, Belleville ON K8N 4Z2	Electronic - Email
Ontario Power Generation	MECP Agency Review team	Tammy Wong	Sr. Environment Specialist Corporate EHS Programs	tammy.wong@opg.com	700 University Avenue Toronto ON M5G 1X6	Email
Ministry of Mines	MECP Agency Review team	Tracey Burton	Manager (A) Strategic Support Unit - Mines and Minerals Division	T: 705-918-1609 tracey.burton@ontario.ca	Willet Green Miller Centre, 2nd Flr 933 Ramsey Lake Rd Sudbury ON P3E 6B5	Email
Ministry of Mines	MECP Agency Review team	Melanie Johnson	Strategic Initiatives Lead Strategic Support Unit Mines and Minerals Division	T: 705-698-5041 melanie.johnson@ontario.ca	Willet Green Miller Centre, 2nd Flr 933 Ramsey Lake Rd Sudbury ON P3E 6B5	Email
HydroOne	MECP Agency Review team			SecondaryLandUse@HydroOne.com		Electronic - Email
Ministry of Indigenous Affairs	MECP Agency Review team					Contact MECP to determine if the Ministry of Indigenous Affairs should be notified
Ontario Provincial Police	MECP Agency Review team	Jennifer Davey	Administrative Assistant, Research and Program Evaluation Unit / Research Planning & Analysis Section	jennifer.davey@opp.ca	777 Memorial Avenue Orillia ON L3V 7V3	Downloading preferred
Ministry of Health and Long Term Care - Hastings Prince Edward Health Unit	MECP Agency Review team	Dr. Ethan Toumishey	Medical Officer of Health		179 North Park Street Belleville, ON K8P 4P1	1 Hard Copy
Ministry of Citizenship and Multiculturalism - Heritage, Tourism and Culture Division	MECP Agency Review team	Karla Barboza	Team Lead (A), Heritage Planning Unit Programs and Services Br	karla.barboza@ontario.ca	400 University Ave. 5th Floor Toronto ON M7A 2R9	Electronic - Email
Ministry of Citizenship and Multiculturalism- Tourism Policy and Research Branch	MECP Agency Review team	Katie Crowley	Regional Deveopment Advisor - Tourism   Regional Services Bra	katie.crowley@ontario.ca	Ministry of Tourism, Culture and Sport 300 Water Street, 2nd Floor, South Tower Peterborough, ON K9H 8M5	email
Ministry of Citizenship and Multiculturalism- Tourism Policy and Research Branch	MECP Agency Review team	James (Jim) Antler	Policy Advisor, Tourism Policy Unit	james.antler@ontario.ca Laurie.brownlee@ontario.ca	447 McKeown Avenue, Suite 203 North Bay ON P1B 9S9	Email - Electronic
Ministry of Municipal Affairs and Housing	MECP Agency Review team	Michael Elms	Manager, Community Planning and Development, Eastern Ontario Services Office	michael.elms@ontario.ca	8 Estate Lane (Rockwood House) Kingston ON K7M 9A8	1 hard copy
Infrastructure Ontario	MECP Agency Review team	Joanna Brown	Environmental Specialist	joanna.brown@infrastructureontario.ca	14 Gable Lane Kingston ON K7M 9A7	Email - Electronic
Infrastructure Ontario	MECP Agency Review team	Ainsley Davidson	Director (A) - Land Use Planning, Development Planning	ainsley.davidson@infrastructureontario.ca	1 Dundas St. W., Suite 2000 Toronto ON M5G 1Z3	Email - Electronic
Infrastructure Ontario	MECP Agency Review team	Joanna Craig	Portfolio Analyst	joanna.craig@infrastructureontario.ca cc: noticereview@infrastructureontario.ca	1 Dundas St. W., Suite 2000 Toronto ON M5G 1Z3	Email - Electronic
Ministry of Northern Development, Mines, Natural Resources and Forestry - Natural Resources and Forestry	MECP Agency Review team	Keith Johnston	Environmental Planning Team Lead(A) Strategic and Indigenous P	keith.johnston@ontario.ca	Whitney Block Rm 5520 99 Wellesley St W Toronto ON M7A 1W3	Email - Electronic
Ministry of Northern Development, Mines, Natural Resources and Forestry - Natural Resources and Forestry - Southern Region	MECP Agency Review team			SR.Planning@ontario.ca Amanda: T: 705-313-0507		Email - Electronic Report + Notifications
Ministry of Solicitor General	MECP Agency Review team	Robert Greene	Director Ministry of the Solicitor General	robert.greene@ontario.ca	25 Grosvenor Street, 13th Flr Toronto ON M7A 1Y6	Contact to see if they have an interest in the EA
Impact Assessment Agency of Canada	MECP Agency Review team	Anjala Puvananathan	Regional Director, Ontario Regional Office	anjala.puvananathan@iaac-aeic.gc.ca	55 York Street, Suite 600 Toronto ON M5J 1R7	Electronic (USB) version preferred
Environment and Climate Change Canada	MECP Agency Review team	Rob Clavering	Manager - Environmental Assessment Section Environmental Protection Branch – Ontario Region Environment and Climate Change Canada	T: 416-458-9670 robert.clavering@ec.gc.ca	4905 Dufferin St. Downsview ON M3H 5T4	Electronic (USB or download) version preferred

**STAKEHOLDER REVIEW AGENCY LIST**  
**Madoc Water, Wastewater and Stormwater Master Plan**

Fisheries and Oceans Canada – Communication Branch	MECP Agency Review team				200 Kent Street, 13 <sup>th</sup> Floor, Station 13E228, Ottawa ON K1A 0E6	Consult DFO (if DFO review required).
Ministry of Agriculture, Food, and Rural Affairs	MECP Agency Review team	Jocelyn Beatty	Land Use Policy & Stewardship Food Safety and Environmental Policy Branch Ministry of Agriculture, Food & Rural Affairs	omafra.eanotices@ontario.ca	Elora Resource Centre 6484 Wellington Rd 7 – Unit 10 Elora ON NOB 1S0	Email omafra.eanotices@ontario.ca as initial step prior to circulating documents.
Fire Services - Centre Hastings	MECP Agency Review team	Derek Snider	Fire Chief	dsnider@centrehastings.com	244 St Lawrence St W Madoc, ON	Email
Transport Canada	MECP Agency Review team			EnviroOnt@tc.gc.ca		Contact to see if they have an interest in the EA.
Metis	Aboriginal Group			mno@metisnation.org	Suite 1100 – 66 Slater Street Ottawa, Ontario K1P 5H1	Email
Mohawks of the Bay of Quinte	Aboriginal Group	RODRICK DONALD MA	Chief	613-396-3424	24 MEADOW DRIVE TYENDINAGA MOHAWK TERRITORY, Ontario K0K1X0	Mail
Alderville First Nation	Aboriginal Group	James Marsden	Chief	jmarsden@alderville.ca	11696 Second Line P.O. Box 46 Roseneath ON K0K 2X0	Email
Curve Lake First Nation	Aboriginal Group	Keith Knott	Chief	keithk@curvelake.ca	22 Winookeeda Road Curve Lake ON K0L 1R0	Email
Hiawatha First Nation	Aboriginal Group	Laurie Carr	Chief	chiefcarr@hiawathafn.ca	123 Paudash Street R.R. #2 KEENE ON K0L 2G0	Email
Mississaugas of Scugog Island	Aboriginal Group	Kelly LaRocca	Chief	klarocca@scugogfirstnation.com	22521 Island Road Port Perry ON L9L 1B6	Email
Kawartha Nishnawbe First Nation	Aboriginal Group	Kris Nahrgang	Chief	Rknahrgang@gmail.com	257 Big Cedar Lake Road Big Cedar ON K0L 2H0	Email
Williams Treaty First Nation	Aboriginal Group	Karry Sandy-Mackenzie	Williams Treaty First Nation Claims Coordinator		8 Creswick Court BARRIE ON L4M 2S7	Mail
Huron Wendat FN	Aboriginal Group		Admin	administration@wendake.ca	255 Place Chef Michel Laveau Wendake, QC G0A 4V0	Email
Madoc Township	Neighbouring Municipality	Lloyd Blackburn	Mayor	343-645-5515 blackburnl@hastingscounty.com Tonwship Office: Phone: (613) 473-2677 Fax: (613) 473-5580	15651 Highway 62 Eldorado, Ontario K0K 1Y0	Email
County of Hastings	Neighbouring Municipality	Connor Dorey	CAO	doreyc@hastingscounty.com (613) 966-1311 ext. 3204	Hastings County Administration Building 235 Pinnacle St., P.O. Bag 4400 Belleville ON K8N 3A9	Email
Moira Lake Property Owners Association	Local Interest Groups and Developers	Joe Kaehler	President	613-827-8690 jkaehler@hotmail.co.uk		Email
Morey Carpentry	Local Interest Groups and Developers	Matthew Morey and San	Owner	matt@morecarpentry.ca	2149 Quin-Mo-Lac Rd, Tweed ON K0K3J0	Email
Golf Vista Homes Corp.	Local Interest Groups and Developers	John Spina	Owner	john@mdtrgroup.com , steven@mdtrgroup	16-7681 Highway 27, Vaughan ON L4L4M5	Email
2403496 Ontario Inc. (Bonter's Development)	Local Interest Groups and Developers	Robert and Shelley Bont	Owners	sbonter@hpedsb.on.ca	PO Box 568 220 St Lawrence St E, Madoc ON K0K2K0	Mail
Eesa Construction Inc (Moira Meadow's Development)	Local Interest Groups and Developers	Joseph Remislar	Agent	remislar@rogers.com	Unit 8-1345 Morningside Ave, Scarborough ON M1B5K3	Email
Danford Construction Ltd. (Deer Creek Homestead and Maud Street)	Local Interest Groups and Developers	Al Danford	Owner	info@danfordconstructionltd.com	PO Box 749 326 Durham Street South, Madoc ON K0K2K0	Email
Danford Homes Inc. (Deer Creek Homestead)	Local Interest Groups and Developers	Chris Rashotte / Steven	Agents	info@danfordconstruction.com	PO Box 220, Tweed ON K0K3J0	Mail

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**Madoc Water, Wastewater and Stormwater Master Plan**

Farnsworth Construction Ltd (95 Rollins Street Development)	Local Interest Groups and Developers	Andy Farnsworth	Owner	andygunning@gmail.com	PO Box 88, Stirling ON K0K3E0	Email
Patricia Kincaid	Local Interest Groups and Developers	Patricia Kincaid			RR1 Gilmour ON K0L1W0	Mail
Frank Converso	Local Interest Groups and Developers	Frank Converso			30 Rockview Gardens Ave, Concord ON L4K2J6	Mail
Gardens Retirement Developments Inc. (Bonjour Blvd Retirement Home)	Local Interest Groups and Developers	Bill Mardimae	Owner	bill@gardensdevelopments.com	12 Kensington Drive, Richmond Hill ON L4E 3M9	Email
1000532819 Ontario Corp (Wellington St / Duncan St Development)	Local Interest Groups and Developers				15 Wellington St, Brockville ON K6V1N8	Mail
Octate Inc and 12447304 Canada Inc. (Bonjour Blvd and A&W)	Local Interest Groups and Developers	Ken Issac		Ken.kiarch@outlook.com	Unit B-6445 Kennedy Rd, Mississauga ON L5T2W4	Email
1000325925 Ontario Inc. (Commercial Development East of McDonalds)	Local Interest Groups and Developers				12 Murdoch Crt, Lindsay ON K9V6L4	Mail

## Madoc Water Storage Schedule 'B' Class EA - MAILED Notices

Mailing	Town, Prov	Postal Code	Municipal Address
PO BOX 164	MADOC, ON	K0K2K0	223 ST LAWRENCE ST W
PO BOX 262	TWEED, ON	K0K3J0	219 ST LAWRENCE ST W
PO BOX 302	MADOC, ON	K0K2K0	40 FRANCIS ST
PO BOX 462	MADOC, ON	K0K2K0	213 ST LAWRENCE ST W
PO BOX 475	MADOC, ON	K0K2K0	44 FRANCIS ST
PO BOX 491	MADOC, ON	K0K2K0	209 ST LAWRENCE ST W
PO BOX 555	MADOC, ON	K0K2K0	46 FRANCIS ST
PO BOX 621	MADOC, ON	K0K2K0	42 FRANCIS ST
PO BOX 673	MADOC, ON	K0K2K0	225 ST LAWRENCE ST W
PO BOX 674	MADOC, ON	K0K2K0	193 ST LAWRENCE ST W
PO BOX 704	MADOC, ON	K0K2K0	191 ST LAWRENCE ST W
PO BOX 875	MADOC, ON	K0K2K0	189 ST LAWRENCE ST W
PO BOX 884	MADOC, ON	K0K2K0	50 FRANCIS ST
PO BOX 897	MADOC, ON	K0K2K0	52 FRANCIS ST
PO BOX 900	MADOC, ON	K0K2K0	34 MARMORA ST
PO BOX 923	MADOC, ON	K0K2K0	54 FRANCIS ST
PO BOX 942	MADOC, ON	K0K2K0	48 FRANCIS ST
PO BOX 951	MADOC, ON	K0K2K0	211 ST LAWRENCE ST W
PO BOX 301	MADOC, ON	K0K2K0	109 MCKENZIE ST
PO BOX 835	MADOC, ON	K0K2K0	113 MCKENZIE ST

Address	Agency	Name	Title
179 North Park Street Belleville, ON K8P 4P1	Ministry of Health and Long Term Care - Hastings Prince Edward Health Unit	Dr. Ethan Toumishey	Medical Officer of Health
14 Gable Lane Kingston ON K7M 9A7	Infrastructure Ontario	Joanna Brown	Environmental Specialist
200 Kent Street, 13th Floor, Station 13E228, Ottawa ON K1A 0E6	Fisheries and Oceans Canada – Communication Branch		
24 MEADOW DRIVE TYENDINAGA MOHAWK TERRITORY, Ontario K0K1X0	Mohawks of the Bay of Qunite	RODRICK DONALD MARACLE	Chief
8 Creswick Court BARRIE ON L4M 2S7	Williams Treaty First Nation	Karry Sandy-Mackenzie	Williams Treaty First Nation Claims Coordinator
PO Box 568 220 St Lawrence St E, Madoc ON K0K2K0	2403496 Ontario Inc. (Bonter's Development)	Robert and Shelley Bonter	Owners
PO Box 220, Tweed ON K0K3J0	Danford Homes Inc. (Deer Creek Homestead)	Chris Rashotte / Steven Maines	Agents
30 Rockview Gardens Ave, Concord ON L4K2J6	Frank Converso	Frank Converso	
15 Wellington St, Brockville ON K6V1N8	1000532819 Ontario Corp (Wellington St / Duncan St Development)		
12 Murdoch Crt, Lindsay ON K9V6L4	1000325925 Ontario Inc. (Commercial Development East of McDonalds)		
25 Grosvenor Street, 13th Flr, Toronto ON M7A 1Y6	Ministry of Solicitor General	Robert Greene	Director, Ministry of Solicitor General



# **Madoc Water, Wastewater and Stormwater Master Plan & Schedule 'B' Class EA for Treated Water Storage**

**Public Information Centre #2**

June 11<sup>th</sup>, 2024

**Welcome! Please sign in.**



# The Municipal Class Environmental Assessment Process

## Class EA Process

The *Ontario Environmental Assessment (EA) Act*, R.S.O., 1990 requires that projects corresponding to municipal infrastructure projects, including roads, water, and wastewater projects follow an approved planning process set out in the Municipal Class EA document prepared by the Municipal Engineers Association (MEA).

## Master Plan Process

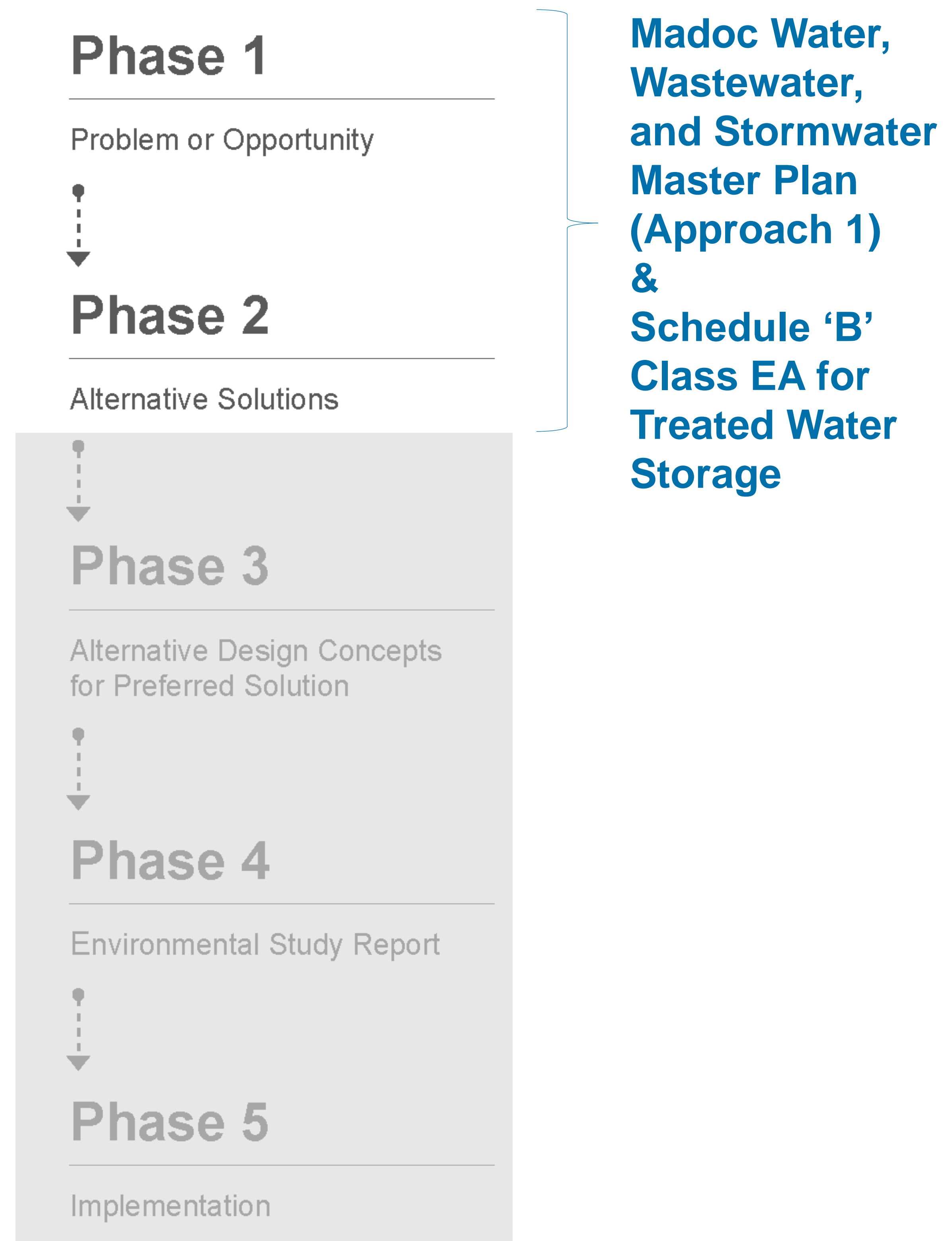
Master Plans are conducted under the framework of the MEA Class EA Process. They are a planning tool that identifies infrastructure and other requirements for the existing and future land use, through the application of environmental assessment principles. The current Master Plan is intended to satisfy Phases 1 and 2 of the Municipal Class EA process (i.e., *Approach 1*).

## Master Plan Approach 1

This approach concludes at the end of Phases 1 and 2. With this approach, the Master Plan is being completed at a broad level of assessment and may require further detailed assessment at the project-specific level.

## Schedule 'B' Municipal Class EA

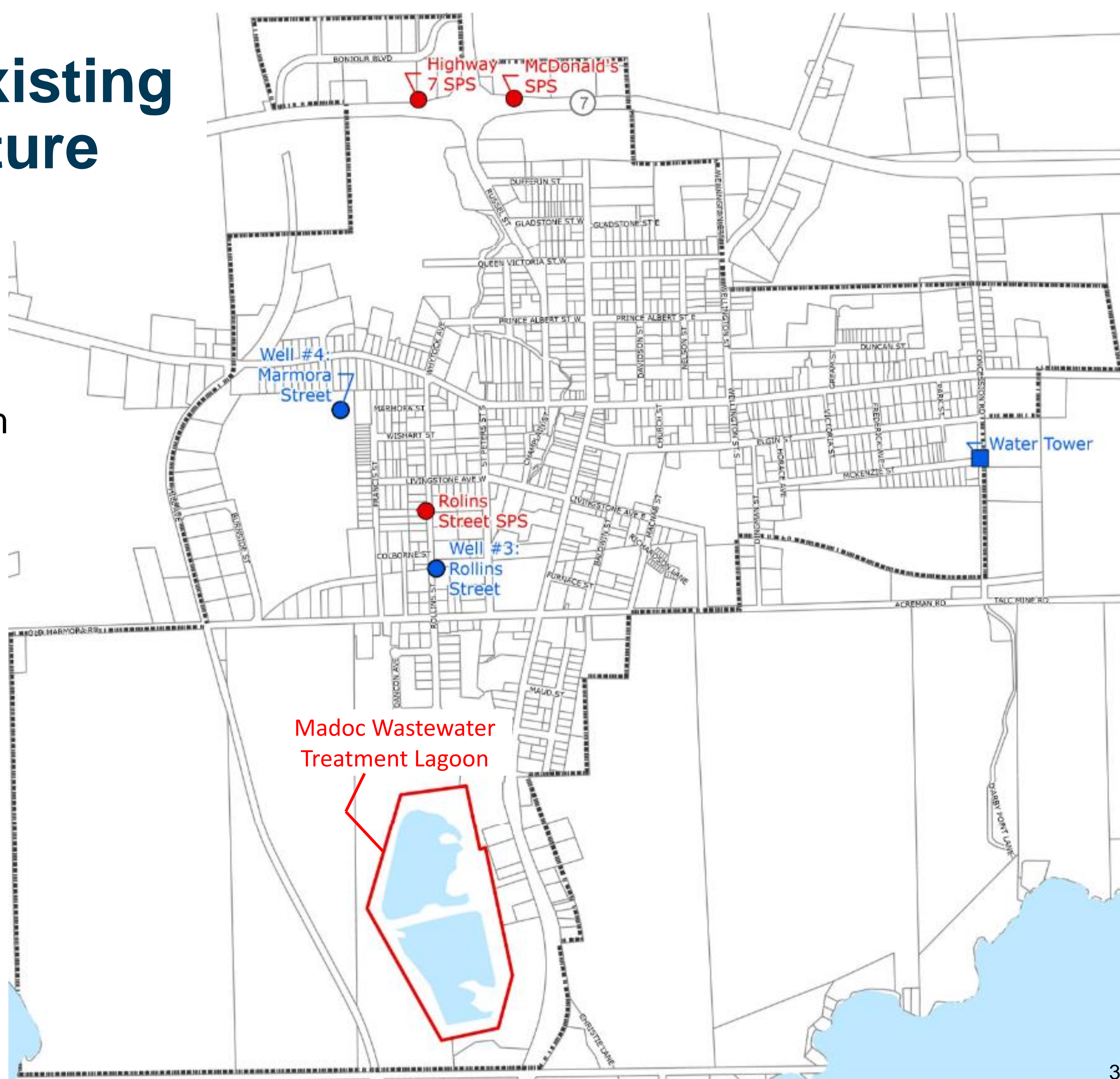
This assessment is prepared to identify and evaluate feasible alternative solutions to address the deficiency in treated water storage.



# Overview of Existing Key Infrastructure

- Rollins Street Well #3
- Marmora Street Well #4
- Water Tower
- Water Distribution System
- Sanitary Collection System
- Three Sewage Pump Stations (SPS)
- Wastewater Treatment Lagoon
- Stormwater System

The existing serviced population in the Village of Madoc is approximately 1,500.



# Master Plan Phase 2: Identification & Evaluation of Servicing Options



# Objectives of the Madoc Water, Wastewater and Stormwater Master Plan Phase 2

- Model future water distribution, wastewater collection, and stormwater sewer systems for the Master Planning period of 20 years and establish required upgrades.
- Present an evaluation matrix with criteria by which servicing alternatives are evaluated against the natural, social/cultural, technical and financial considerations.
- Identify and evaluate alternative solutions to address treatment, capacity and storage issues.
- Recommend an overall implementation plan with proposed timelines and associated costs each of the planning timeframe.

# Master Plan Methodology and Timeline

## Master Plan Phase 1 – Identify Problem or Opportunity

### Tasks:

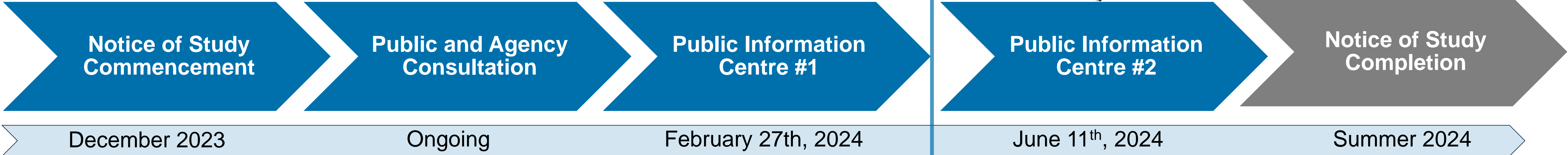
- Review and collect background information.
- Develop residential, institutional, commercial, and industrial development and population growth projections for short, mid, and long-term scenarios.
- Define level of service for existing conditions.
- Review water supply and wastewater treatment lagoon capacity.
- Model water distribution, sanitary collection, and stormwater.
- Undertake public consultation activities.
- Finalize Master Plan Phase 1 Report.

## Master Plan Phase 2 – Identify and Evaluate Alternative Solutions

### Tasks:

- Identify servicing needs under future growth scenarios.
- Develop alternative servicing solutions.
- Develop an implementation/phasing plan.
- Undertake public consultation activities.
- Finalize Master Plan Phase 2 Report.
- Publish Master Plan Report for 30-day public review.

### Project Timeline



# Overview of Estimated Future Growth

## Residential Developments

Development Timeframe	Additional Units	Estimated Population Increase
Short-Term (0-5 Years; 2024-2029)	155 units	400 people
Mid-Term (5-10 Years; 2029-2034)	341 units	891 people
Long-Term (10-20 Years; 2034-2044)	852 units	1,233 people
Build-Out (20- 30 Years; 2044-2054) <i>(NOT CONSIDERED IN PHASE 2)</i>	1,032 Units	3,353 people

## Institutional / Commercial / Industrial Developments

Development Timeframe	Development Type	Estimated Growth
Short-Term (0-5 Years; 2022-2027)	Long Term Care	128 Beds
Mid-Term (5-10 Years; 2027-2032)	Commercial	3.8 Hectares
Long-Term (10-20 Years; 2034-2044)	Commercial and Typical Industrial	10.3 Hectares
Build-Out (20-30 Years; 2044-2054) <i>(NOT CONSIDERED IN PHASE 2)</i>	Commercial	2.5 Hectares

**Maps of future developments are available**  
Please see a member of the project team.

# Future Servicing Constraints (Updated from Phase 1)

Timeframe	Water Supply and Treatment	Water Storage	Wastewater Lagoon	Storm Water System	Water Distribution	Sanitary Sewer
Short-Term (0-5 Years)	Reach 59% of the existing capacity	Reach 112% of the existing capacity	Reach 104% of the existing capacity	40 pipe segments to be upsized, two outlets redirected flow to an approved outlet, such as Deer Creek	Existing system can support future growth: good pressure for average day flow, good fire flow availability for max day + fire flow, good pressure under peak hour flow. Design ongoing for minimal required watermain upgrade.	27 pipe segments require upgrades
Mid-Term (5-10 Years)	Reach 89% of the existing capacity	Reach 144% of the existing capacity	Reach 146% of the existing capacity	No upgrade required		
Long-Term (10-20 Years)	Reach 152% of the existing capacity	Reach 274% of the existing capacity	Reach 233% of the existing capacity	No upgrade required		One pipe upgrade required

# Evaluation Methodology





# Overall Evaluation Methodology

## Major Criteria

Criteria	Description
Natural Environment Considerations	Natural features, natural heritage areas, areas of natural and significant interest, designated natural areas, watercourses and aquatic habitat.
Climate Change and Resiliency	Effects of climate change (e.g., impact of extreme weather events on water supply and wastewater generation), ability to mitigate climate change effects (e.g., contribution to greenhouse gas emissions, impacts on carbon sinks), ability to adapt to climate change impacts, i.e., resiliency and security of infrastructure.
Social and Cultural Environment Considerations	Proximity of facilities to residential, commercial and institutions, archeological and cultural features, designated heritage features, source water protection areas (i.e., intake protection zones and wellhead protection areas), land-use and planning designations.
Technical Feasibility	Constructability, maintaining or enhancing water/wastewater treatment, reliability and security of distribution/conveyance system, ease of connection to existing infrastructure and operating and maintenance requirements, addresses aging infrastructure, expandability.
Financial Considerations	Capital costs, Operation and Maintenance costs.

## Impact Levels and Color System

Impact Level	Colour	Relative Impact
Strong Positive Impact	Green	Preferred
Minor Impact	Yellow	Less Preferred
Strong Negative Impact	Red	Least Preferred

# Identification & Evaluation of Water Supply and Treatment Options



# Water Supply and Treatment



## Alternative 1 – Status Quo

- Re-designate Well #4 as a duty well
- Provides a sufficient capacity for mid-term (5-10 years).
- It is not sufficient for projected long-term (10-20 years) demand.
- Not recommended.



## Alternative 2 – Increase Water Supply from Existing Well #3 and Well #4

- May be feasible and should be confirmed by a hydrogeological study
- Once confirmed, a Schedule 'C' Class EA will be triggered to evaluate water treatment plant alternatives.
- Recommended to carry forward.



## Alternative 3 – Maintain Water Supply from Existing Well #3 and Well #4 and Supplement with Water from a New Well

- Will be sufficient for projected long-term (10-20 years) water demand.
- A Water Supply Feasibility Study, Hydrogeological Study and a Schedule 'B' Water Supply Class EA are recommended to confirm the location of the new well and level of treatment requirements.
- Recommended to carry forward.



## Alternative 4 – Discontinue Water Supply from Existing Well #3 and Well #4 and Obtain water from Surface Water Source

- Existing aquifer has capacity and extensive work will be required to establish a new intake.
- If in the future, hydrogeological study finds existing aquifer cannot support build-out growth or that the groundwater quality deteriorates, this option may be reconsidered.
- Not recommended.

# Water Supply and Treatment Evaluation Matrix

	Alternative 2 – Increase Water Supply from Existing Well #3 and Well #4	Alternative 3 – Maintain Water Supply from Existing Well #3 and Well #4 and Supplement with Water from a New Well
Natural Environment	Preferred	Less Preferred
Climate Change Resiliency	Less Preferred	Preferred
Social, Cultural and Heritage Environment	Preferred	Preferred
Technical Feasibility	Preferred (Pending Hydrogeological study)	Preferred (Pending Hydrogeological study)
Financial Considerations	Preferred	Less Preferred
Overall Evaluation	<b>Preferred</b> (Pending Hydrogeological study)	<b>Less Preferred</b> (Pending Hydrogeological study)

# Main Drivers of Evaluation



Ability and reliability to support long-term growth



Impacts from and ease of construction



Complexity and requirement for level of treatment



Capital, operation and maintenance costs

# Identification & Evaluation of Wastewater Treatment Options



# Wastewater Treatment



## Alternative 1: Status Quo

- This alternative is not feasible as the anticipated developments within the study area cannot be accommodated by the existing capacity.
- Not recommended.



## Alternative 2 – Maintain lagoon-based treatment and add third lagoon cell

- Significant impact to the natural environment.
- Meanwhile this alternative alone will not address the potential increase in level of treatment due to capacity expansion.
- Not recommended.



## Alternative 3 – Add-on treatment system

- This alternative improves the effluent quality and addresses future treatment requirements.
- This alternative alone does not address storage volume constraint. Alternative 3 will need be combined with a discharge alternative.
- Recommended to carry forward.



## Alternative 4 – Convert to Mechanical Treatment Plant

- It provides the level of treatment requirement and is able to provide treatment beyond long-term growth scenario.
- Extensive design and construction and requires continuous discharge.
- Recommended to carry forward.

# Wastewater Discharge



## Alternative 5 – Extend Discharge Window

- Addresses the storage volume constraints for long-term.
- This alternative alone will not address treatment constraints and should be combined with another treatment alternative.
- Recommended to carry forward.



## Alternative 6 – Direct and Continuous Discharge to Moira Lake

- Recommended to potentially further increase the discharge volume.
- This alternative alone will not address treatment constraints and should be combined with another treatment alternative.
- Recommended to carry forward.

## Identification of Wastewater Servicing Options

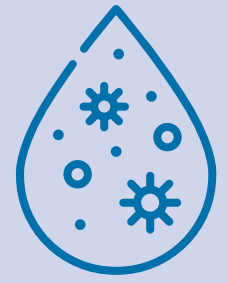
- Servicing Option 1: Extend Discharge Window
- Servicing Option 2: Extend Discharge Window and Implement Add-On Treatment System
- Servicing Option 3: Extend Discharge Window to Continuous Discharge, Implement Mechanical Treatment Plant, Direct Discharge to Moira Lake



# Wastewater Servicing Evaluation Matrix

	Servicing Option 1 Extend Discharge Window	Servicing Option 2 Extend Discharge Window + Add-On Treatment System	Servicing Option 3 Extend to Continuous Discharge + Direct Discharge to Moira Lake + Mechanical Treatment Plant
Natural Environment	Least Preferred	Preferred	Less Preferred
Climate Change Resiliency	Least Preferred	Preferred	Less Preferred
Social, Cultural and Heritage Environment	Less Preferred	Preferred	Least Preferred
Technical Feasibility	Least Preferred	Preferred	Less Preferred
Financial Considerations	Preferred	Less Preferred	Least Preferred
Overall Evaluation	<b>Least Preferred</b>	<b>Preferred</b>	<b>Less Preferred</b>

# Main Drivers of Evaluation



Impacts to natural environment and receiver stream



Ability to support long-term growth



Impacts from and ease of construction

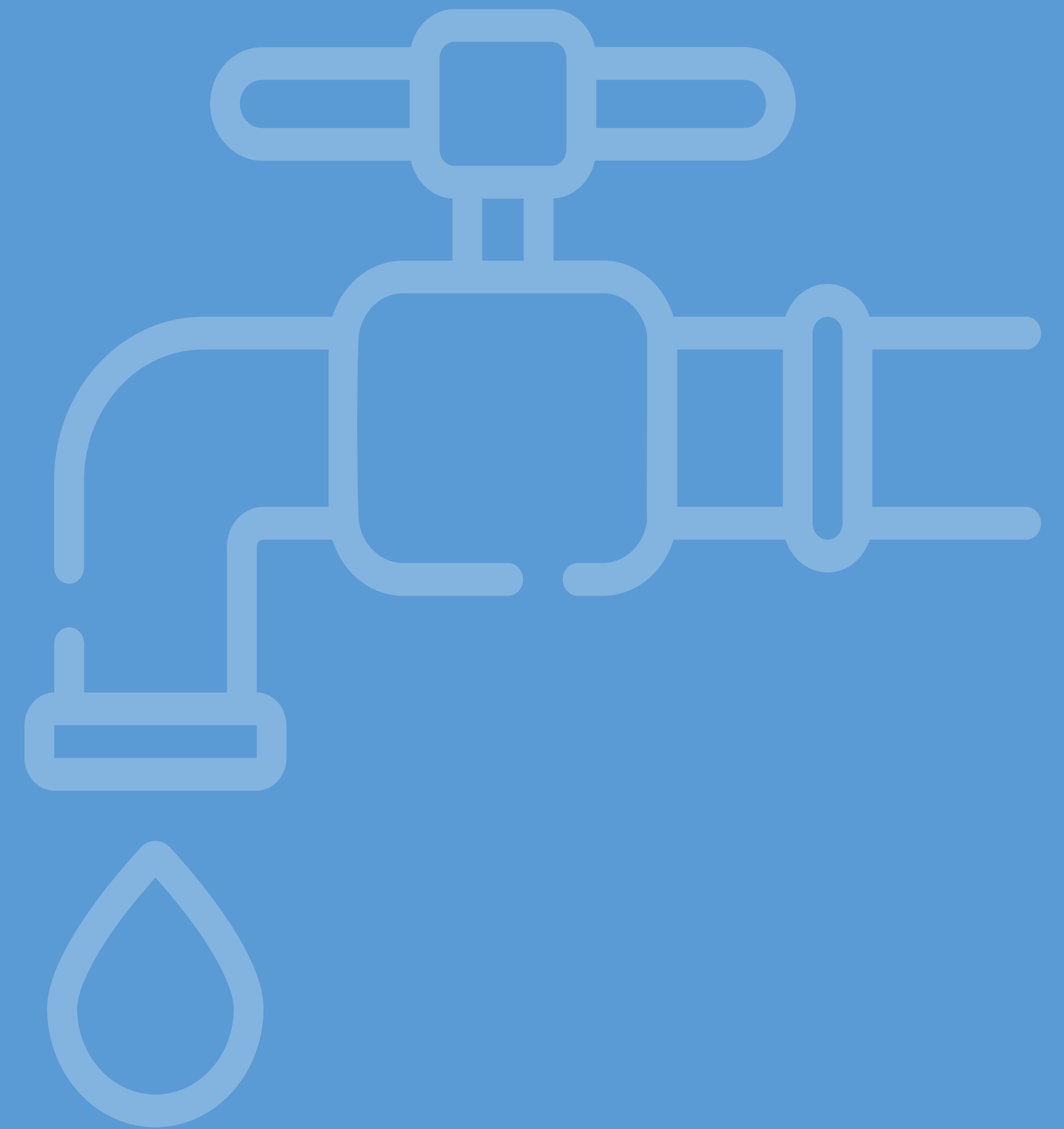


Complexity and requirement for level of treatment

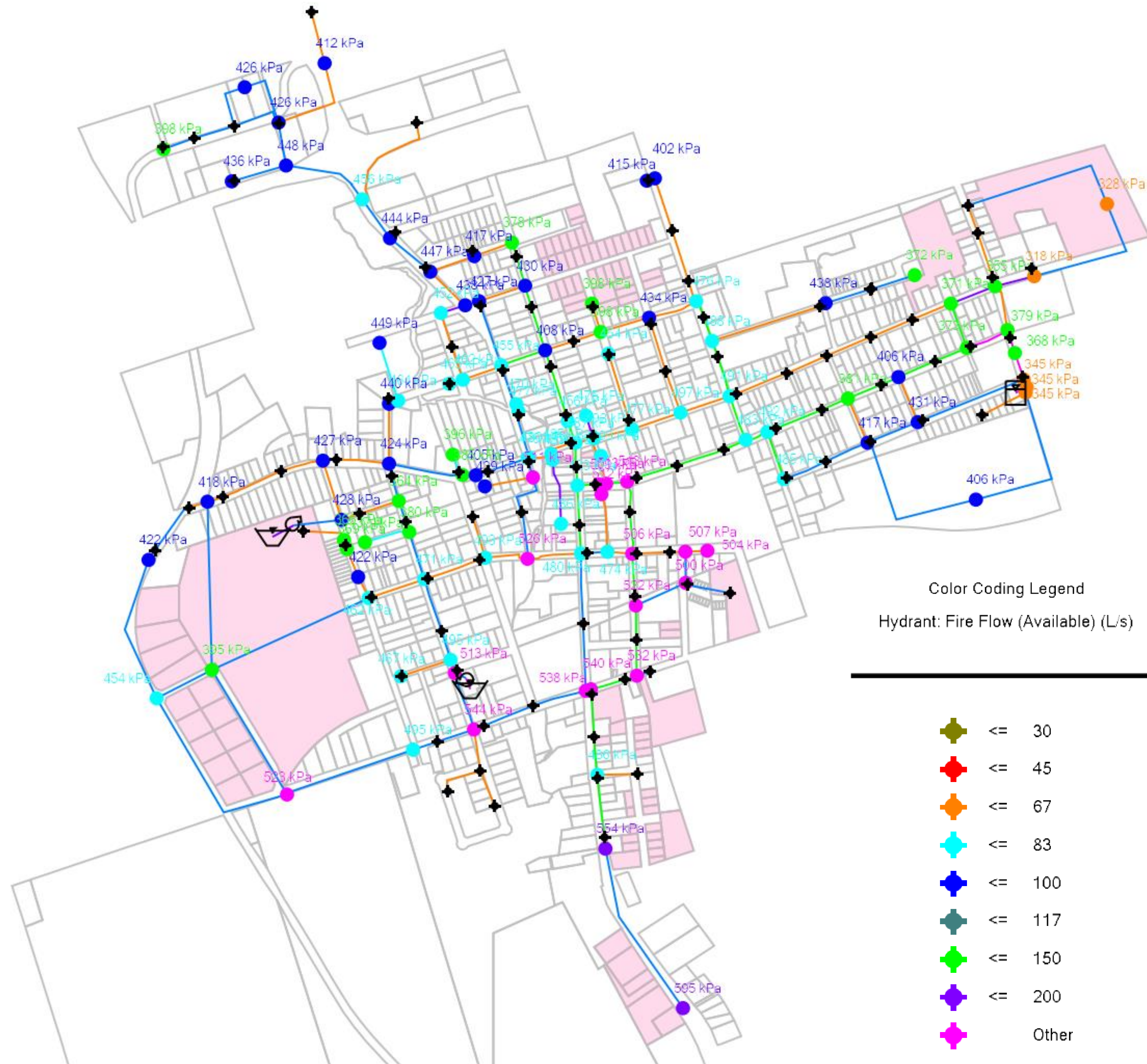


Capital, operation and maintenance costs  
(Opinion of Probable Construction Cost \$10,000,000)

# Water Distribution, Sanitary and Stormwater Servicing Solution



# Future Water Distribution System



Water Distribution Flows under Long-Term (10-20 yrs) Conditions - Maximum Day Demand + Fire Flow

## Water Distribution WaterCAD® Modelling Results:

- The long-term scenario (10-20 years) is the only future scenario for which water distribution system upgrades are recommended.

## Recommendations:

- Upgrade watermain along St. Lawrence Street East (Design Ongoing) - \$410,000

# Recommendations Sanitary System

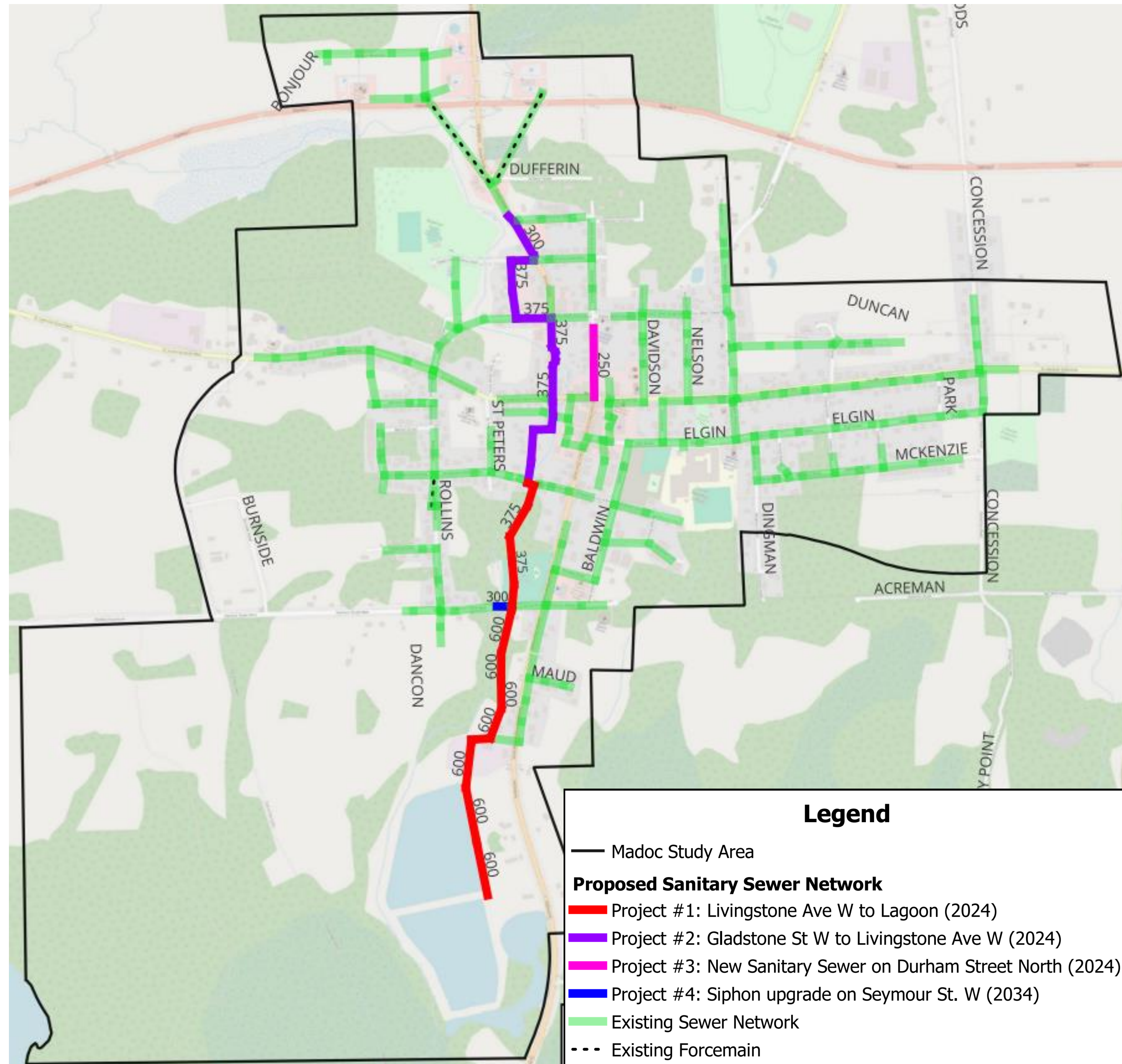
## Short-term (0-5 years):

- Project 1: Upgrade sanitary sewer sections along Livingstone Ave. W to Seymour St. W (375mm) and Seymour St. W to Lagoon (600mm) - \$3,300,000
- Project 2: Upgrade sanitary sewer sections along Highway 62 from Gladstone St. W to Livingstone Ave. W (375mm) - \$3,000,000
- Project 3: Install a new 250mm sewer on Durham St. N and decommission existing sanitary sewers on private properties - \$400,000

**Mid-term (5-10 years):** None required

## Long-term (10-20 years):

- Project 4: Upgrade Siphon on Seymour St. W. - \$500,000



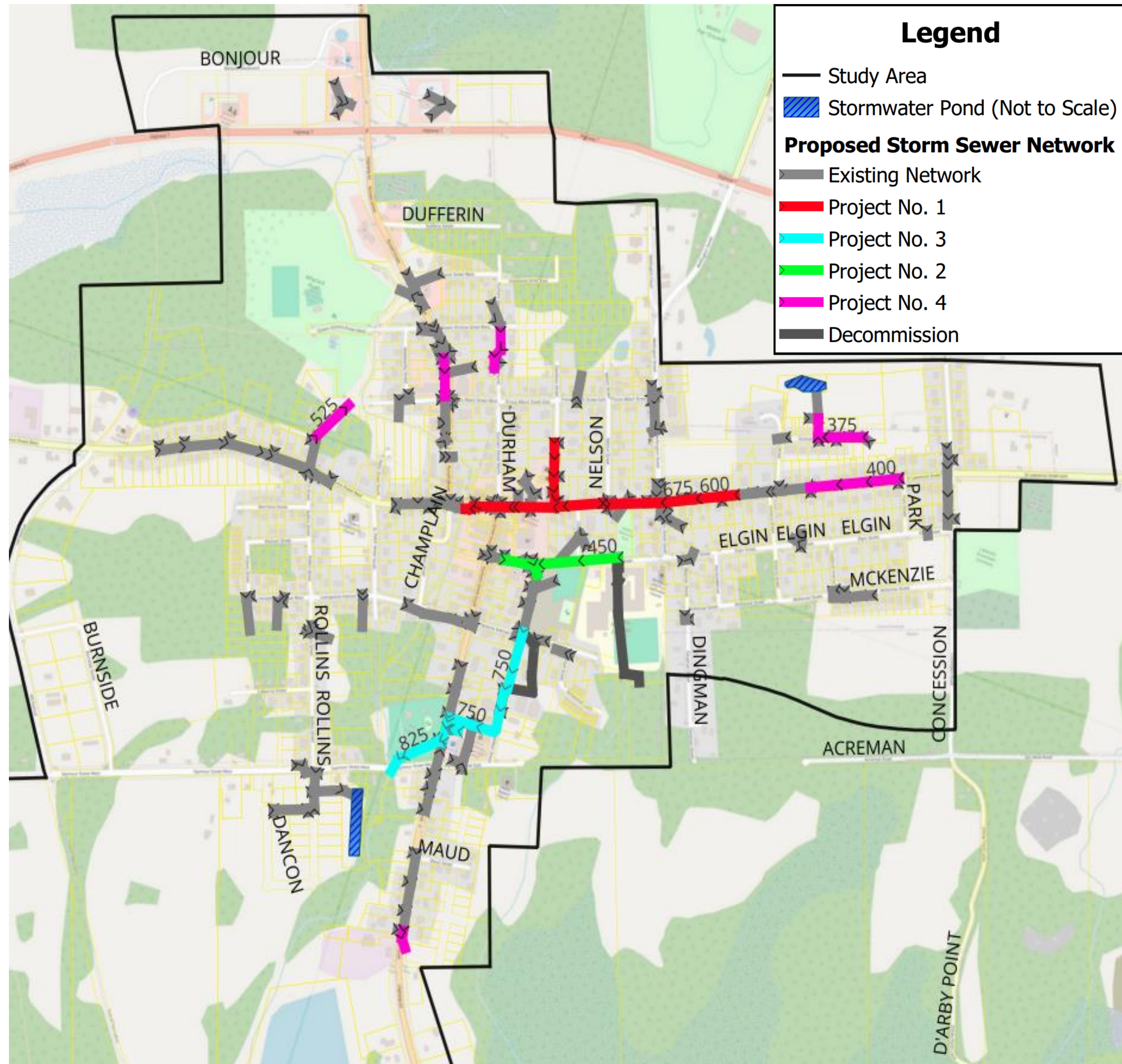
# Recommendations Stormwater System

## Short-term (0-5 years):

- Project 1: Connect St. Lawrence St. E sewer to St. Lawrence St. W sewer and upsize St Lawrence St. E Storm sewer from Wellington St. to Creek outlet - \$3,200,000
- Project 2: Decommission existing storm sewer under Madoc Public School. Connect existing St. Lawrence St. E Sewer to existing sewer on Elgin St. and Baldwin St. - \$1,300,000
- Project 3: Connect Livingstone Ave. to Durham St. S. - \$2,100,000
- Project 4: Upsize various local surcharged pipes - \$2,400,000

**Mid-term (5-10 years):** None required.

**Long-term (10-20 years):** None required.



# Proposed Implementation Plan

Proposed Projects	Short-Term (Initiate within 0-5 Years)	Mid-Term (Initiate within 5-10 Years)	Long-Term (Initiate within 10+ Years)
Water Supply, Treatment and Storage	\$7,500,000	\$400,000	\$12,900,000
Water Distribution	\$410,000	0	0
Wastewater Collection	\$6,700,000	0	\$500,000
Wastewater Treatment System	\$10,200,000	0	0
Stormwater System	\$9,000,000	0	0

**Detailed list of projects are available**  
Please see a member of the project team.

# Climate Change Impacts and Resiliency

It is recommended that the Municipality consider the following aspects to mitigate climate change risks and adapt to potential future climate change events:

- Implement backup power systems at Well #3 and #4; and implement backup power systems at sewage pump stations and wastewater treatment lagoon;
- Consider upsizing sanitary and stormwater infrastructure to accommodate increased wet weather flows and Inflow & Infiltration (I&I) ;
- Undertake an I&I study and flow monitoring program to identify areas of high I&I;
- Disconnect roof leaders, combine storm water networks and combine sanitary sewer networks, and;
- Promote water conservations during summer and/or drought conditions.



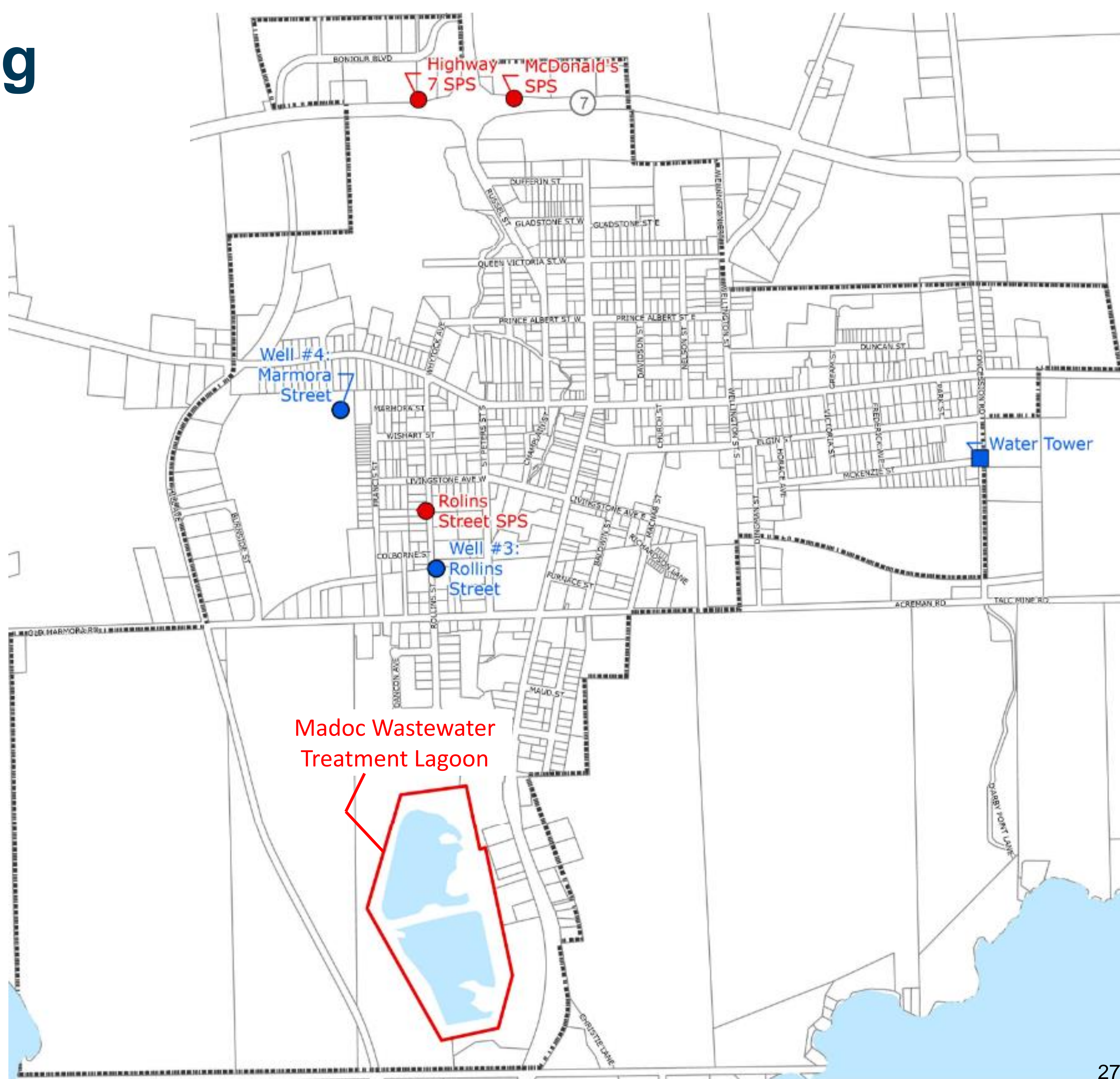


# Schedule 'B' Class EA for Treated Water Storage



# Treated Drinking Water Storage

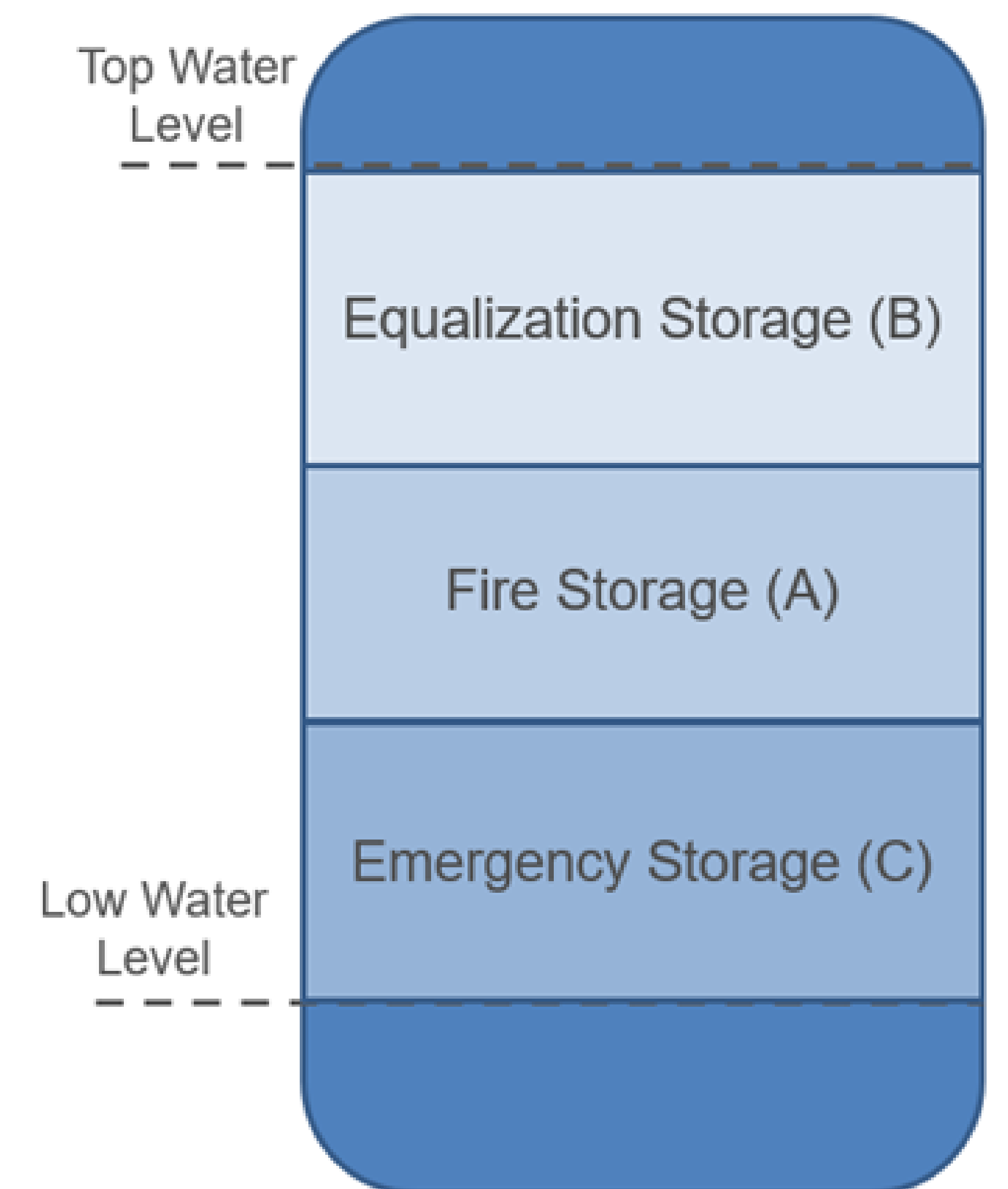
- The preferred type and location for new water storage needs to be identified in this Schedule B Class EA continued from Master Plan work.
- Existing elevated water storage tank is located at 119 McKenzie Street, originally constructed in 1981.
- Water storage deficiency is expected in short-term (2024-2029).
- An inspection in 2019 revealed the tank is in poor condition.
- Hydraulic water model from Master Plan recommends keeping existing hydraulic grade line to meet future long-term demand.



# Water Storage Requirements

According to the **2008 Ministry of the Environment, Conservation and Parks (MECP) Design Guidelines for Drinking-Water Systems**, the total treated water storage within a system should be at least the total of the required **fire (A)**, **equalization (B)**, and **emergency (C) storage allowances**.

Parameter	Existing (2023)	Short Term (2024-2029)	Mid-Term (2029-2034)	Long-Term (2034-2044)
Equivalent Population	1,477	2,474	3,724	6,375
Fire Flow (L/s)	78	102	120	162
Duration (Hours)	2	2	2	3
A – Fire Storage (m <sup>3</sup> )	564	735	862	1,748
B – Equalization Storage (m <sup>3</sup> )	231	386	581	995
C – Emergency Storage (m <sup>3</sup> )	199	280	361	686
Total Storage Requirement (A+B+C) (m <sup>3</sup> )	993	1,401	1,804	3,428
Existing Useable Storage (m <sup>3</sup> )	1,250	1,250	1,250	1,250
<b>Deficit (m<sup>3</sup>)</b>	<b>n/a</b>	<b>151</b>	<b>554</b>	<b>2,178</b>



# Problem/Opportunity Statement

**The following Problem/Opportunity Statement has been developed for this Schedule 'B' Class EA :**

Madoc is serviced by communal drinking water system consisting of Well #3 and Well #4, a water tower and water distribution network. The existing water tower is in need of repair and rehabilitation. Treated drinking water storage will not be sufficient to support projected growth within the Madoc servicing area for the next 20 years and beyond.

There is an opportunity through the Class EA process to ensure that Madoc has a treated drinking water storage solution which will address the existing and future conditions on the drinking water storage and distribution system.



# Approach



## Approach 1 – Do Nothing

- Recommended to carry forward as a baseline option.



## Approach 2 – Decommission Existing Elevated Storage and Build New Storage

- Water model suggests the existing tower's ability to continue to maintain hydraulic grade line for long-term
- New storage will replace existing tower with an increased useable volume of 3,428 m<sup>3</sup>.
- Recommended to carry forward.

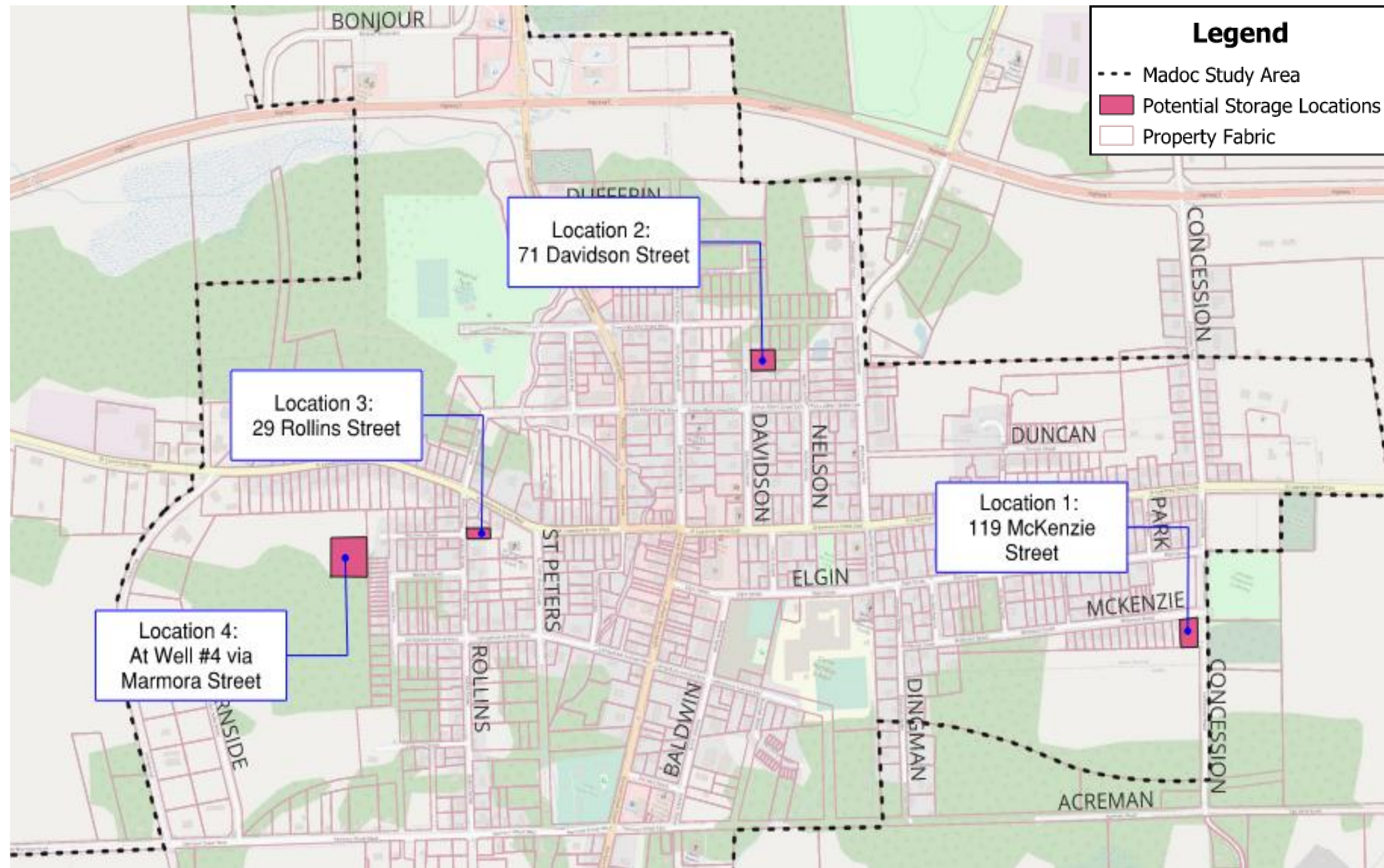


## Approach 3 – Maintain Existing Elevated Storage and Build New Storage to Supplement

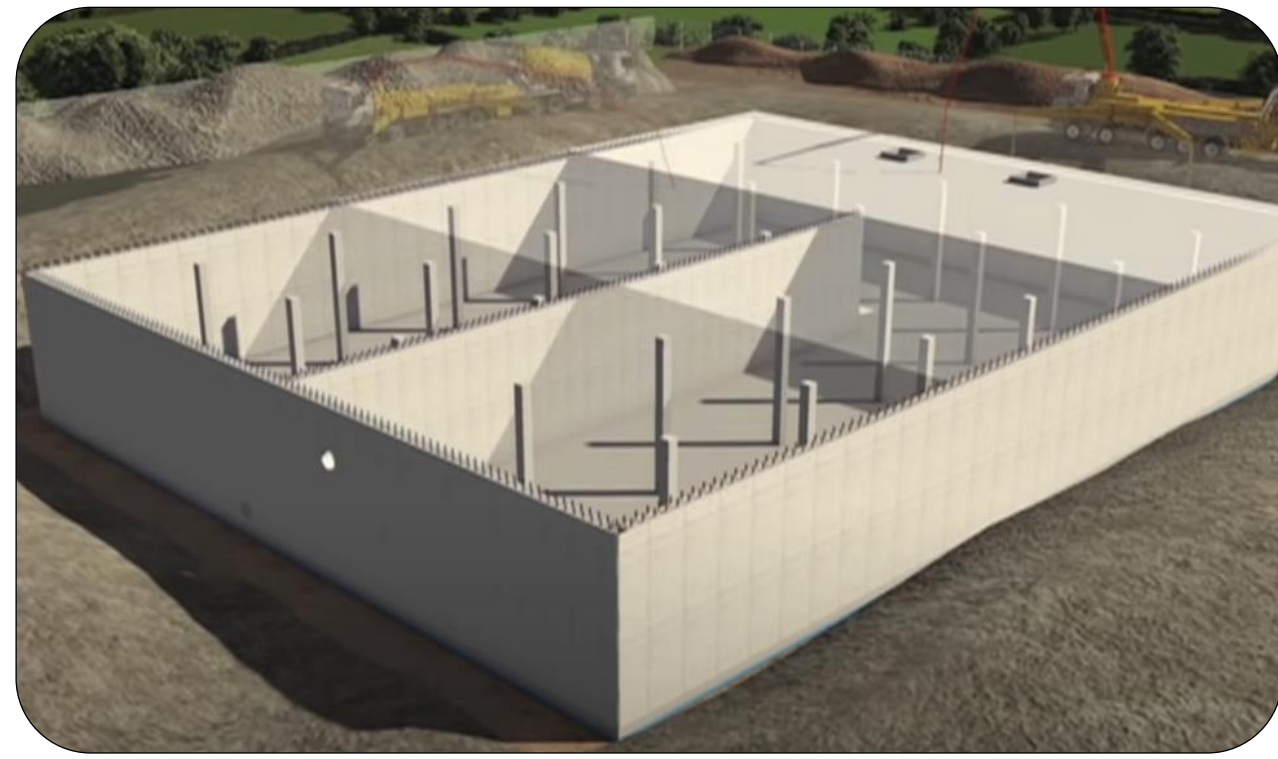
- Condition of the existing elevated tower is poor.
- Significant cost to rehabilitate the tower.
- Not recommended.

# Potential Storage Locations

- Location 1:  Recommended to carry forward.
- Location 2:  Recommended to carry forward.
- Location 3: does not have adequate space for a storage solution.  Not recommended.
- Location 4:  Recommended to carry forward.



# Water Storage Configurations



## Configuration 1: Below Grade Reservoir and Pumping Station

- A typical below-grade reservoir is constructed of reinforced concrete and covered with earth and vegetation.
- A pumping station is required to boost the pressure.
- Highest capital and life cycle costs among the four configurations.
- Not recommended



## Configuration 2: At-Grade Reservoir and Pumping Station

- A typical at-grade reservoir is constructed of glass-fused-to-steel.
- Slightly lower capital and life cycle costs compared to a below-grade reservoir and pumping station; more complex pumping system infrastructure compared to a below-grade reservoir resulting in increased operating and maintenance costs.
- Recommended to carry forward.



## Configuration 3: New Elevated Storage Tank

- Typically, coated steel tanks located at the top of a pedestal.
- The water level in the elevated tank sets the pressure in the water distribution system.
- The elevated composite tank will have significant lower cost than a below- or at-grade reservoir and pumping station. However, the cost of a composite elevated tank is typically higher than a standpipe.
- Not recommended



## Configuration 4: Standpipe

- Ground storage tanks typically constructed of glass-fused-to-steel to a height that will provide adequate system pressure in the operating range.
- Standpipes are often used in small systems where less volume is needed, or in situations where the site has a high ground elevation relative to the system pressure.
- Recommended to carry forward.

# Identification of Water Storage Alternative Solutions

- Alternative #1 – Do Nothing
- Alternative #2 – Decommission Existing Elevated Storage; Build a New Standpipe (1,800 m<sup>3</sup> Usable Volume) at McKenzie Street and Supplement Storage with At-Grade Reservoir (1,620 m<sup>3</sup>) and Booster Station at Well #4
- Alternative #3 – Decommission Existing Elevated Storage; Build a New Standpipe (2,900 m<sup>3</sup> Usable Volume) at McKenzie Street and Supplement Storage with At-Grade Reservoir (600 m<sup>3</sup>) and Booster Station at Well #4
- Alternative #4 - Decommission Existing Elevated Storage; Build a New Standpipe (1,800 m<sup>3</sup> of Useable Volume) at Davidson Street and Supplement Storage with At-Grade Reservoir (1,620 m<sup>3</sup>) and Booster Station at Well #4
- Consider phased-approach to increase storage capacity over the planning period



# Evaluation Matrix

Option	#1	#2	#3	#4
Phase 1	Do nothing/Status Quo	Build New Standpipe with 1800 m <sup>3</sup> of Useable Volume at 119 McKenzie Street (Location 1); Decommission Existing Tower	Build New Standpipe with 2900 m <sup>3</sup> of Useable Volume at 119 McKenzie Street (Location 1); Decommission Existing Tower	Build New Standpipe with 1800 m <sup>3</sup> of Useable Volume at 71 Davidson Street (Location 2); Decommission Existing Tower
Phase 2		Add 1620 m <sup>3</sup> At-Grade Reservoir and Booster Pump Station at Well #4 (Location 4)	Add 600 m <sup>3</sup> At-Grade Reservoir and Booster Pump Station at Well #4 (Location 4)	Add 1620 m <sup>3</sup> At-Grade Reservoir and Booster Pump Station at Well #4 (Location 4)
Natural Environment	Preferred	Less Preferred	Less Preferred	Least Preferred
Climate Change Resiliency	Least Preferred	Preferred	Preferred	Preferred
Social, Cultural and Heritage Environment	Least Preferred	Preferred	Preferred	Less Preferred
Technical Feasibility	Least Preferred	Preferred	Less Preferred	Least Preferred
Financial Considerations	Less Preferred	Preferred	Less Preferred	Least Preferred
Overall Evaluation	<b>Least Preferred</b>	<b>Preferred</b>	<b>Less Preferred</b>	<b>Least Preferred</b>

# Main Drivers of Evaluation



Ability to support long-term growth



Location proximity to large diameter watermain



Phased approach aligns with the growth rate



Capital, operation and maintenance costs



# Preferred Solution

The preferred solution is Alternative #2:

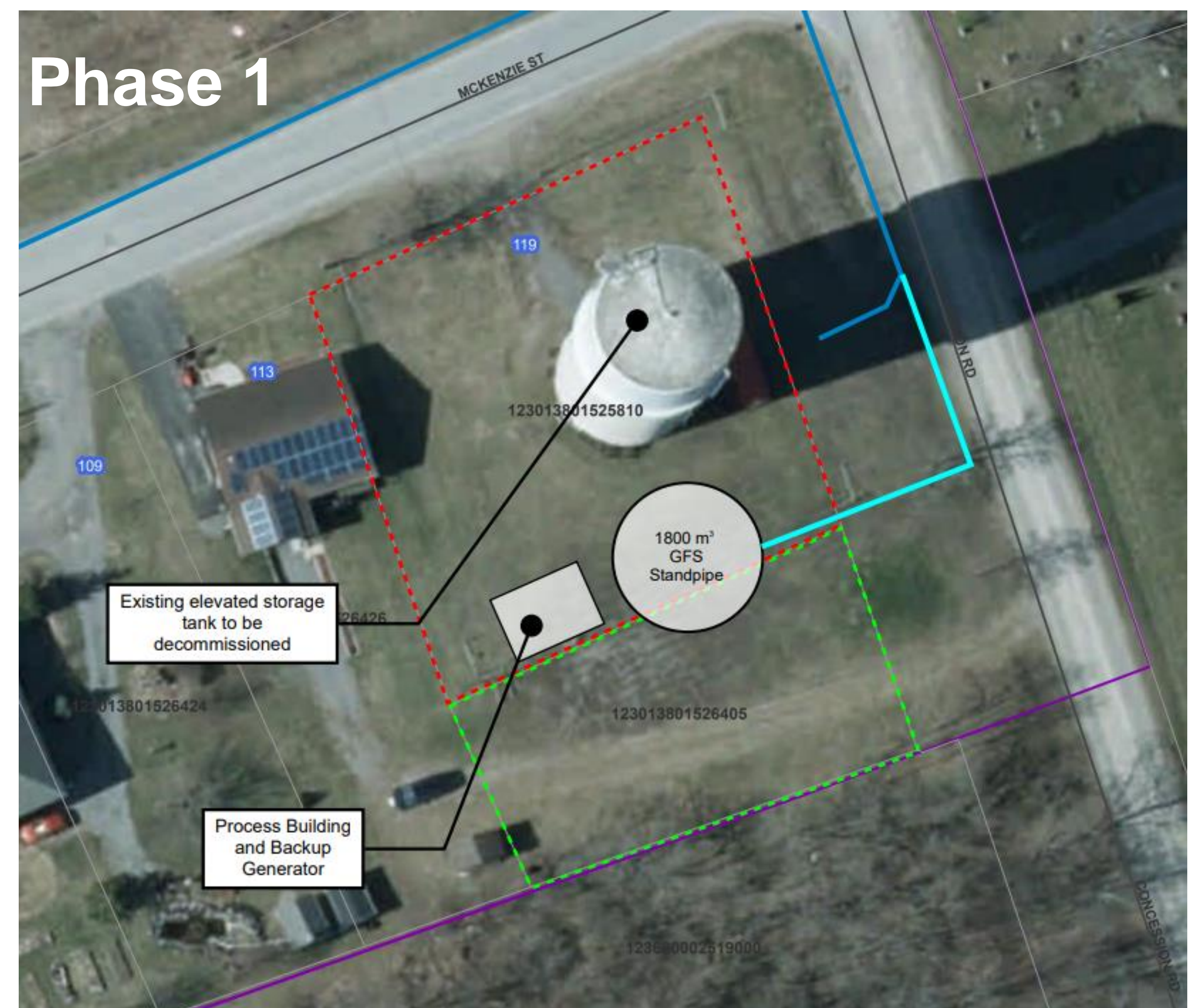
- Decommission Existing Elevated Storage
- Build a New Standpipe at McKenzie Street (land acquisition required)
- Supplement Storage with At-Grade Reservoir and Booster Station at Well #4

The storage solution can be built in two phases:

- Phase 1: New Standpipe at McKenzie Street
- Phase 2: New At-grade Reservoir and Booster Station at Well #4

Opinion of Probable Costs (+/- 30%):

- Phase 1: \$7,300,000
- Phase 2: \$4,400,000



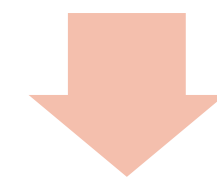
# Next Steps

## Water, Wastewater and Storm Master Plan

Collect and address comments from Public Information Centre #2.



Finalize recommendations of the Phase 2 Master Plan.



Issue Notice of Master Plan.



Place Master Plan on public record for 30 days (Summer 2024).



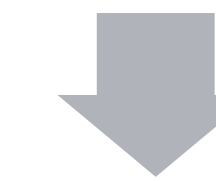
The Municipality may choose to proceed with further studies and implementation as recommended by the Master Plan.

## Schedule 'B' Treated Water Storage Class EA

Collect and address comments from Public Information Centre #2.



Finalize recommendations of the Schedule 'B' Class EA.



Issue Notice of Completion.



Schedule 'B' Class EA on public record for 30 days (Summer 2024).



The Municipality may choose to proceed with design and implementation as recommended by Schedule 'B' Class EA.

# How to Participate

- Send written comments to the project contacts at Ontario Clean Water Agency and J.L. Richards listed below. Please respond by June 25<sup>th</sup>, 2024.

## Allison Mokracki, P.Eng.

Water and Wastewater Engineer  
Ontario Clean Water Agency  
Phone: 905-491-3048  
Email: [amokracki@ocwa.com](mailto:amokracki@ocwa.com)

## Susan Jingmiao Shi, P.Eng., M.Eng.

Associate, Senior Environmental Engineer  
J.L. Richards & Associates Limited  
Phone: 343-302-5406  
Email: [sshi@jlrichards.ca](mailto:sshi@jlrichards.ca)

- Visit the Municipality website at <https://www.centrehastings.com/our-municipality/water-resources/madoc-water-wastewater-and-stormwater-master-plan/> for more updates.



# Madoc Water, Wastewater, and Stormwater Master Plan and Schedule 'B' Municipal Class Environmental Assessment for Treated Water Storage Facility

## Public Information Centre No.2 Comment Sheet

The Municipality of Centre Hastings is interested in receiving the community's comments, questions, and concerns regarding the existing conditions of water, wastewater, and stormwater infrastructure for Madoc. Please take a few minutes to fill out this brief comment sheet. All comments will be carefully considered while completing the Master Plan and Schedule 'B' EA for Water Storage Facility.

1. This study is following the requirements of the Municipal Class Environmental Assessment process for an Approach 1 Master Plan and Schedule 'B' EA for Treated Water Storage Facility. *Do you have any questions, comments, or concerns about the decision-making and public consultation process that are being followed to-date?*

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2. The preferred solutions of water, wastewater and storm water upgrades was determined based on the ability to support long-term growth of demands. *Do you have any questions, comments, or concerns about the preferred treated water storage facility solution?*

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3. The preferred solution of a new water storage facility including a new standpipe and a new at-grade reservoir was determined based on the ability to support long-term growth of demands. *Do you have any questions, comments, or concerns about the preferred treated water storage facility solution?*

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*(Over to the back)*



# Madoc Water, Wastewater, and Stormwater Master Plan and Schedule 'B' Municipal Class Environmental Assessment for Treated Water Storage Facility

## Public Information Centre No.2 Comment Sheet

- 4. There are several steps to be undertaken to complete the Master Plan and Schedule 'B' EA. *Do you have any comments or questions regarding how this study will be completed?*

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- 5. Do you have any additional comments?

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**Thank you for taking the time to provide your comments. Comment sheets may be returned to any of the presenters, or can be mailed, or emailed to the individuals below. Please return comment sheets by June 25<sup>th</sup>, 2024.**

Susan Jingmiao Shi, P.Eng., M.Eng.  
Associate, Senior Environmental Engineer  
J.L. Richards & Associates Limited  
203 – 863 Princess Street  
Kingston, ON, K7L 5N4  
sshij@jlrichards.ca  
Phone: 343-302-5406

Allison Mokracki, P.Eng.  
Water and Wastewater Engineer  
Ontario Clean Water Agency  
2085 Hurontario Street, Suite 500  
Mississauga, ON L5A 4G1  
amokracki@ocwa.com  
Phone: 905-491-3048

Visit the Municipality website at [www.centrehastings.com](http://www.centrehastings.com) and the project website at <https://www.centrehastings.com/masterplan> for more updates.

# PIC #2 Sign in Sheet

## Madoc Water, Wastewater and Stormwater Master Plan

Name	Postal Code
Dunlah	K0K 2K0
Stanbra	K0K 2K0
Judy Brant	K0K 2K0
Michael Gery	K0K 2K0
Birgit Brandt	K0K 2K0
Bob Patterson	K0K 2K0
Kevin McLaughlin	K0K 2K0
Eric Sandford	K0K 2K0
Tom Deline	K0K 2K0
Jan Bruce	K0K 2K0



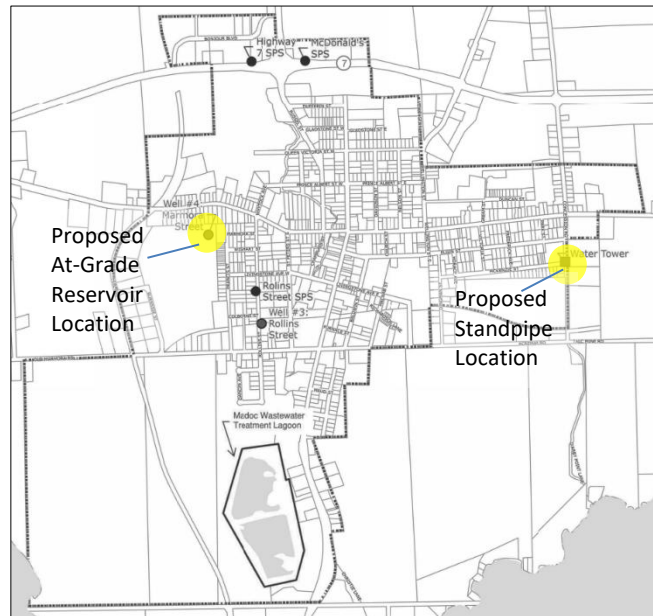
# Notice of Completion

## Municipality of Centre Hastings Schedule 'B' Class EA for Madoc Treated Water Storage

The Municipality of Centre Hastings has completed a Class Environmental Assessment to assess alternative treated water storage solutions for Madoc. This study was undertaken in accordance with the planning and design process for Schedule 'B' projects of the Municipal Class Environmental Assessment (MCEA).

The existing elevated water storage tower is in need of repair and rehabilitation. The existing treated water storage will not be sufficient to support projected growth within the Madoc servicing area for the next 20 years and beyond. The Schedule 'B' Class EA is recommending the construction of a new standpipe at the existing elevated water storage site to address mid-term growth, and the construction of a new at-grade reservoir and booster pumping station at the Well #4 location to address long-term growth.

A Project File documenting the planning process undertaken, details of the study recommendations as well as potential impacts and mitigation measures, has been completed and is being made available for public review. Subject to comments received following this Notice, and the receipt of approvals, the Municipality intends to proceed with design and construction of the recommended project as outlined in the Project File.



The recommendations are presented in Section 4 of the Schedule 'B' Class EA Project File which is available for review at the Municipality's website: <https://centrehastings.com/our-municipality/water-resources/madoc-water-wastewater-and-stormwater-master-plan/>

By this notice, the Schedule 'B' Class EA Project File is being placed on public record for a 30-day review period in accordance with the requirements of the Municipal Class EA. Interested persons may provide written comments to the project team by **September 13<sup>th</sup>, 2024**. All comments and concerns should be sent directly to:

Susan Shi, P.Eng.  
Senior Environmental Engineer  
J.L. Richards & Associates Limited  
203-863 Princess Street  
Kingston, ON K7L 5N4  
[sshi@jrichards.ca](mailto:sshi@jrichards.ca)

Allison Mokracki, P.Eng.  
Water and Wastewater Engineer  
Ontario Clean Water Agency  
2085 Hurontario Street, 5<sup>th</sup> floor  
Mississauga, ON L5A 4G1  
[amokracki@ocwa.com](mailto:amokracki@ocwa.com)

In addition, a request to the Minister of the Environment, Conservation and Parks for an order imposing additional conditions or requiring an individual environmental assessment be made on the grounds that the requested order may prevent, mitigate or remedy adverse impacts on constitutionally protected Aboriginal and treaty rights. Requests should include your full name and contact information. Requests should specify what kind of order is being requested (additional conditions or an individual environmental assessment), explain how an order may prevent, mitigate or remedy potential adverse impacts, and can include any supporting information. The request should be sent in writing or by email to:

Minister of the Environment, Conservation and  
Parks  
Ministry of Environment, Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto ON M7A 2J3  
[minister.mecp@ontario.ca](mailto:minister.mecp@ontario.ca)

Director, Environmental Assessment Branch  
Ministry of Environment, Conservation and Parks  
135 St. Clair Ave. W, 1st Floor  
Toronto ON, M4V 1P5  
[EABDirector@ontario.ca](mailto:EABDirector@ontario.ca)

Requests should also be sent to the project team by mail or e-mail. Please visit the ministry's website for more information on requests for orders under Section 16 of the *Environmental Assessment Act* at <https://www.ontario.ca/page/class-environmental-assessments-section-16-order>.

All personal information included in your request – such as name, address, telephone number and property location – is collected, under the authority of section 30 of the Environmental Assessment Act and is collected and maintained for the purpose of creating a record that is available to the general public. As this information is collected for the purpose of a public record, the protection of personal information provided in the Freedom of Information and Protection of Privacy Act (FIPPA) does not apply (s.37). Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential.

This Notice was originally issued on August 14<sup>th</sup>, 2024.

## Regine Climaco

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**From:** Leclerc, Erika (MCM) <erika.leclerc@ontario.ca>  
**Sent:** June 20, 2024 1:16 PM  
**To:** Albert Jin  
**Cc:** Barboza, Karla (She/Her) (MCM); Susan Jingmiao Shi; Regine Climaco  
**Subject:** MCM Response - Public Information Centre #2 Notice: Madoc Water, Wastewater, and Stormwater Master Plan and Schedule B EA for Water Tower

**[CAUTION]** This email originated from outside JLR. Do not click links or open attachments unless you recognize the sender and know the content is safe. Do not forward suspicious emails, if you are unsure, please send a separate message to Helpdesk.

Dear Albert Jin,

Thank you for sending the Notice of Public Information Centre (PIC) #2 for the above-mentioned project to the Ministry of Citizenship and Multiculturalism (MCM). We have reviewed the PIC materials, which refer to a Schedule B Class Environmental Assessment (EA) for the treated water storage facility. Please note the following information regarding Schedule B undertakings:

### **Archaeological Resources**

This EA project may impact archaeological resources and should be screened using the Ministry's [Criteria for Evaluating Archaeological Potential](#) to determine if an archaeological assessment is needed. MCM archaeological sites data are available at [archaeology@ontario.ca](mailto:archaeology@ontario.ca). If the EA project area exhibits archaeological potential, then an archaeological assessment (AA) shall be undertaken by an archaeologist licenced under the *Ontario Heritage Act* (OHA), who is responsible for submitting the report directly to MCM for review.

### **Built Heritage Resources and Cultural Heritage Landscapes**

The Ministry's [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) should be completed to help determine whether this EA project may impact known or potential built heritage resources and/or cultural heritage landscapes.

If there is potential for built heritage resources and/or cultural heritage landscapes on the property or within the project area, a Cultural Heritage Evaluation Report (CHER) should be undertaken by a qualified person to determine the cultural heritage value or interest of the property (or project area). If the property (or project area) is determined to be of cultural heritage value or interest and alterations or development is proposed, MCM recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, be completed to assess potential project impacts. Please send the HIA to MCM for review and comment and make it available to local organizations or individuals who have expressed interest in review.

Community input should be sought to identify locally recognized and potential cultural heritage resources. Sources include, but are not limited to, municipal heritage committees, historical societies, and other local heritage organizations. In addition, cultural heritage resources are often of critical importance to Indigenous communities. Indigenous communities may have

knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to them.

Thank you for consulting MCM on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, please do not hesitate to contact me.

Kind regards,

**Erika Leclerc**

Heritage Planner | Heritage Branch | Citizenship, Inclusion and Heritage Division  
Ministry of Citizenship and Multiculturalism | Ontario Public Service  
416-305-0757 | [erika.leclerc@ontario.ca](mailto:erika.leclerc@ontario.ca)



*Taking pride in strengthening Ontario, its places and its people*

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**From:** Albert Jin <[ajin@jlrichards.ca](mailto:ajin@jlrichards.ca)>  
**Sent:** May 17, 2024 2:45 PM  
**Cc:** Susan Jingmiao Shi <[sshi@jlrichards.ca](mailto:sshi@jlrichards.ca)>; Regine Climaco <[rclimaco@jlrichards.ca](mailto:rclimaco@jlrichards.ca)>  
**Subject:** Public Information Centre #2 Notice: Madoc Water, Wastewater, and Stormwater Master Plan and Schedule B EA for Water Tower

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Hello,

The Municipality of Centre Hastings has retained J.L. Richards & Associates Limited to initiate a Master Planning process in accordance with Approach 1 of the Municipal Engineers Association (MEA) Class Environmental Assessment (Class EA) to develop a Water, Wastewater, and Stormwater Master Plan for Madoc. The attached notice for Public Information Centre #2 is being sent to agencies and organizations that may have an interest in this study.

The Public Information Centre No.2 is scheduled as follows:

**Date:** June 11<sup>th</sup>, 2024  
**Time:** 5:00 p.m. to 7:00 p.m.  
**Location:** Arts Centre Hastings, 24 Seymour Street West, Madoc, ON

Project information will also be provided on the Municipality's website at [centrehastings.com/our-municipality/water-resources/madoc-water-wastewater-and-stormwater-master-plan](http://centrehastings.com/our-municipality/water-resources/madoc-water-wastewater-and-stormwater-master-plan). If you have any questions regarding the study, please contact the project team as provided in the Public Information Centre Notice.

Thank you,



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