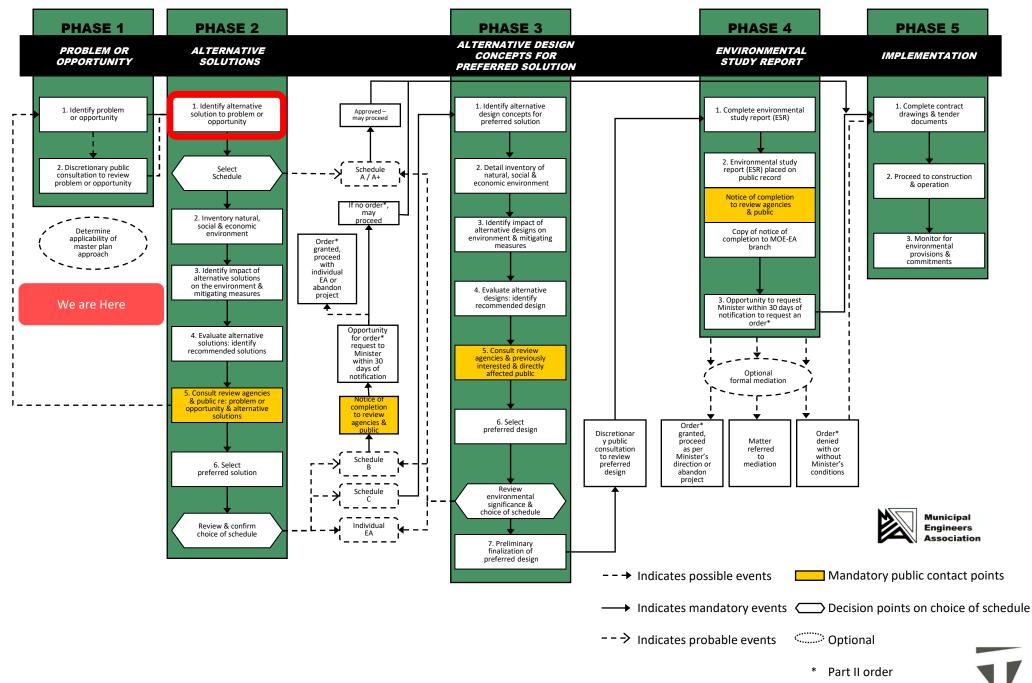


Town of Wasaga Beach Drainage Master Plan Public Information Centre 1 PUBLIC MEETING PRESENTATION



October 2022

#### Municipal Class Environmental Assessment and Master Planning Process



## Study Area



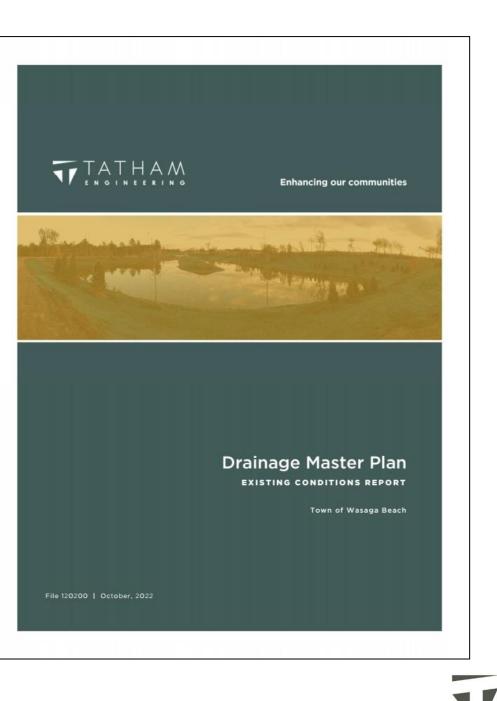
#### **Project Background**

To date the drainage and stormwater management studies completed in the study area:

- Have been completed on a piecemeal basis;
- Focus on specific developments or issues;
- Lack a consistent and comprehensive approach; and
- Use a variety of drainage modelling software and approaches.

To identify the problems and opportunities across the Town:

- LiDAR topographic survey data of the entire Town was collected;
- Site visits to problematic areas and key infrastructure were completed;
- Comprehensive Town Wide drainage models have been created; and
- The deficiencies in the Town's existing drainage infrastructure have been identified.



#### **Public Information Centre 1**

The purpose of Public Information Centre 1:

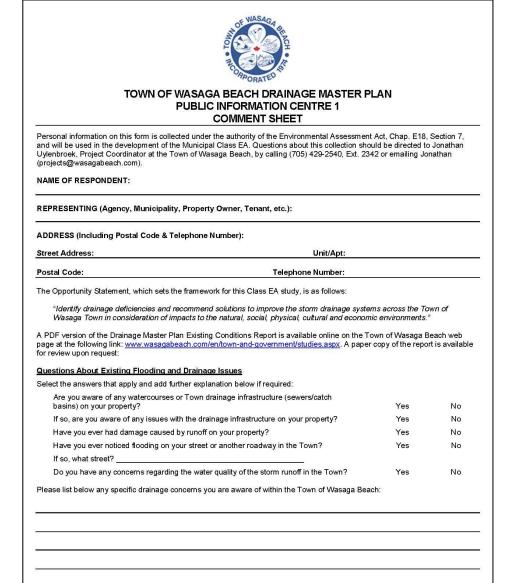
- Present the drainage deficiencies identified across the Town;
- Present the initial improvement opportunities being considered; and
- Elicit feedback from the public and interested stakeholders.

#### Your Input is Needed!

Are you aware of any drainage issues or deficiencies in the Town?

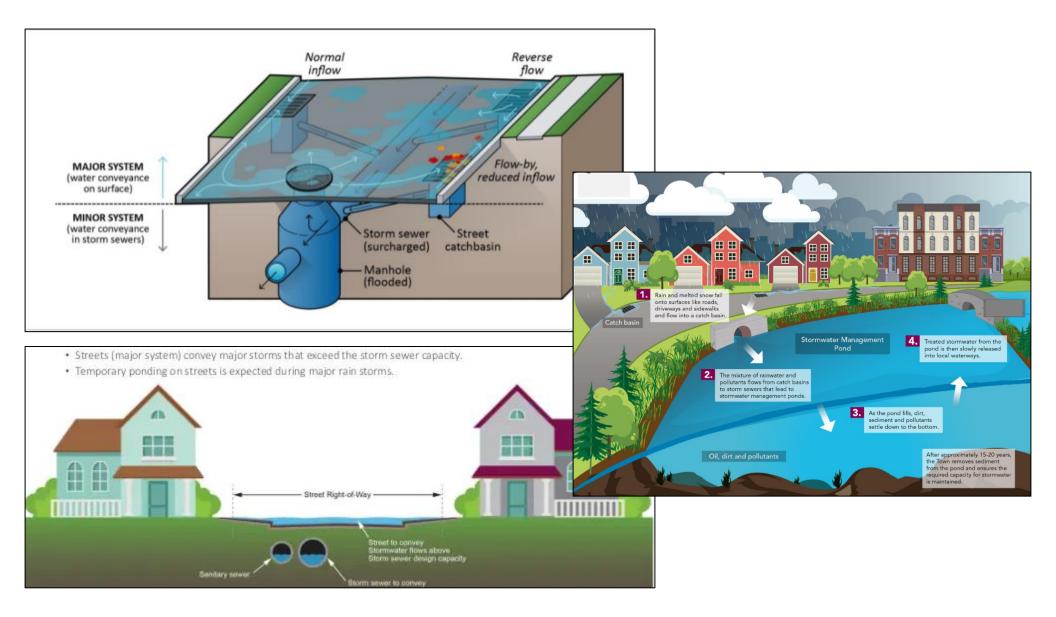
If so, please take a moment and complete the Comment Sheet available at todays meeting or on the projects webpage at the following location:

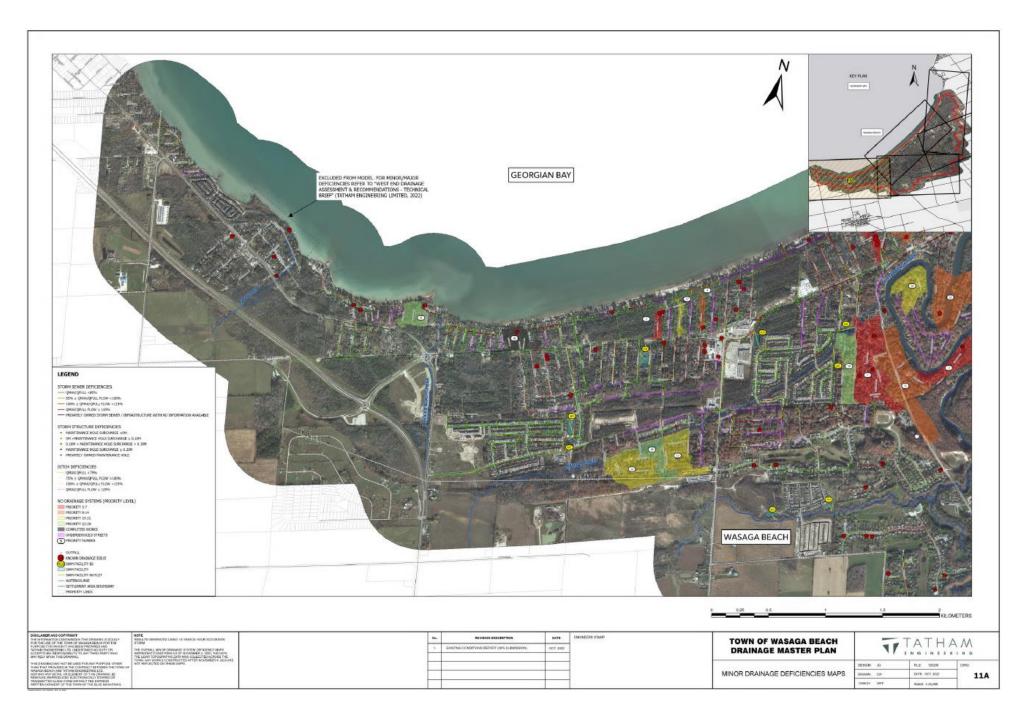
<u>https://www.wasagabeach.com/en/town-and-government/studies.aspx#Environmental-Assessments-Public-Works</u>

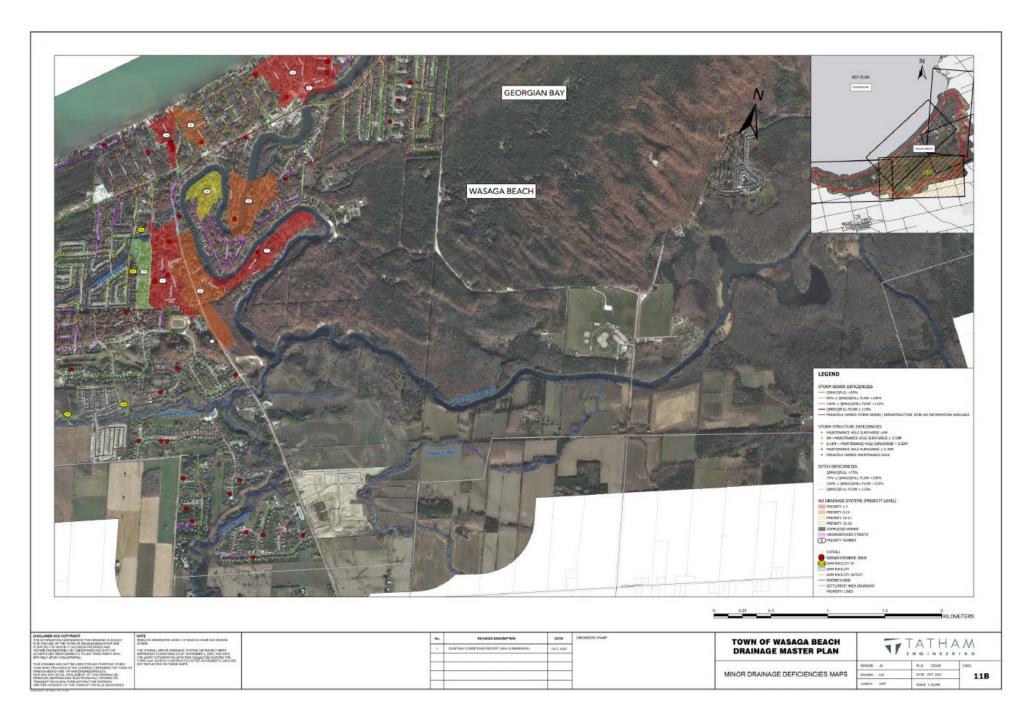


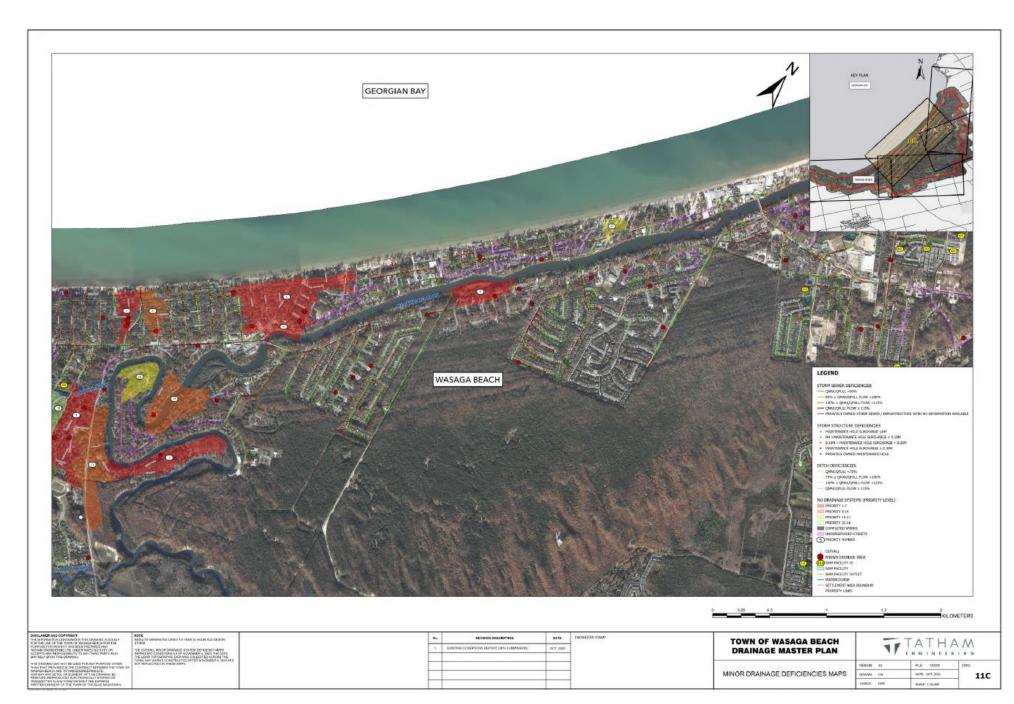
#### Town's Existing Drainage Systems

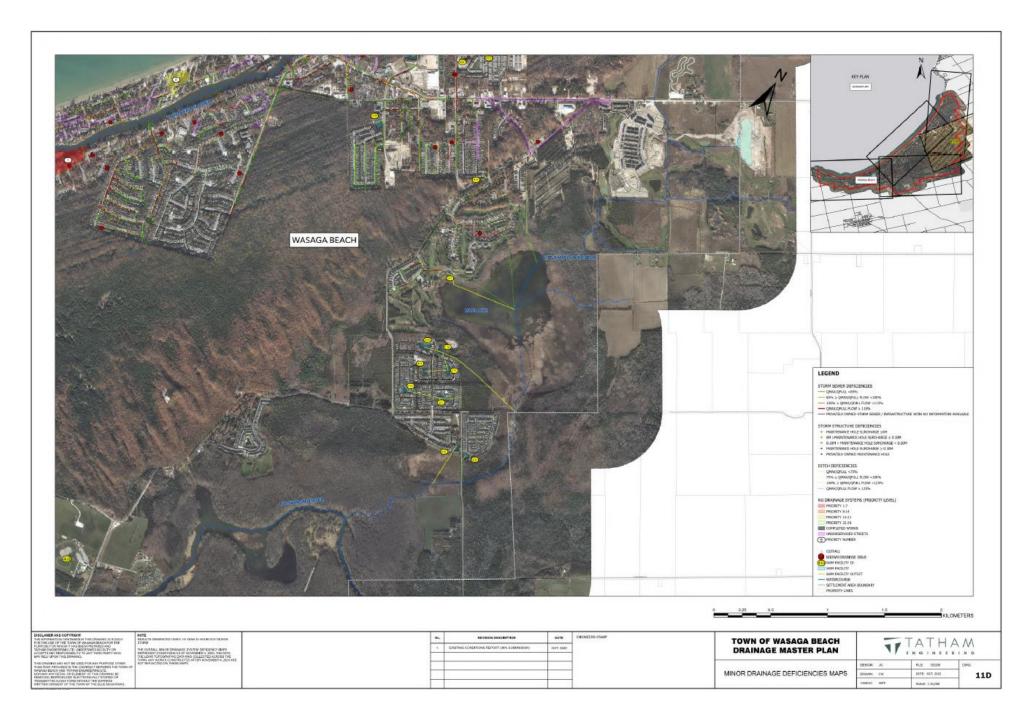
#### Town of Wasaga Beach Existing Drainage Systems

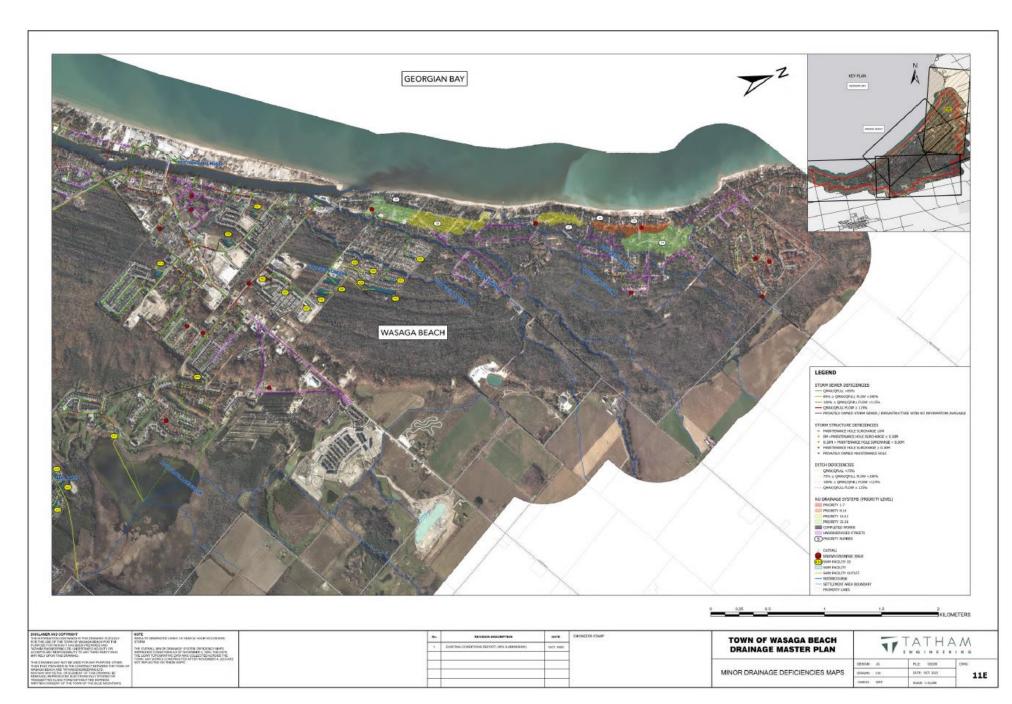


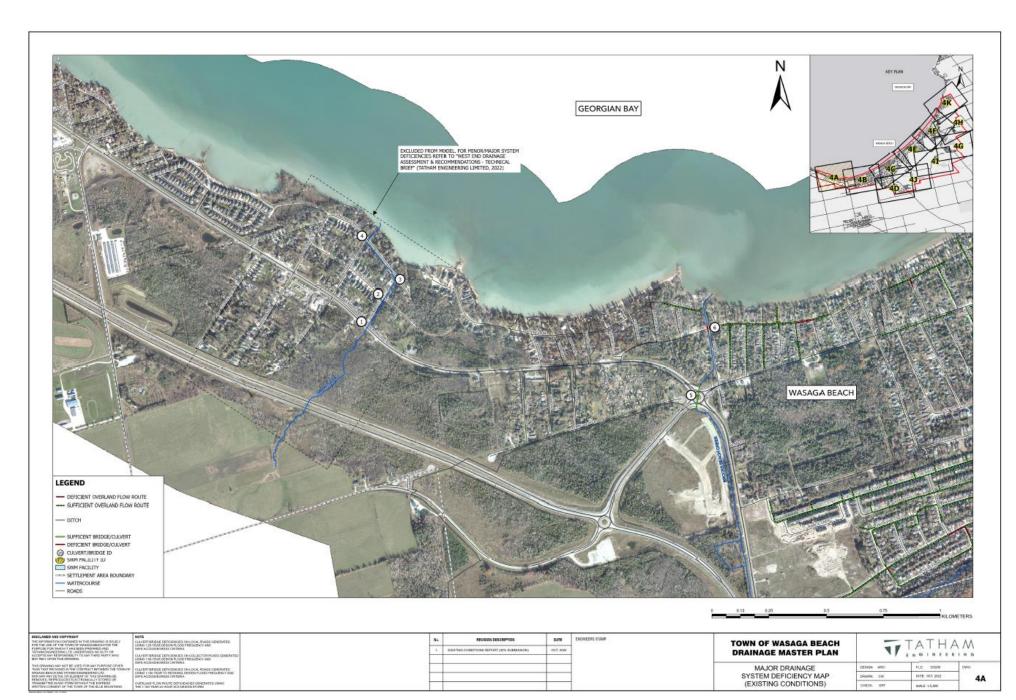


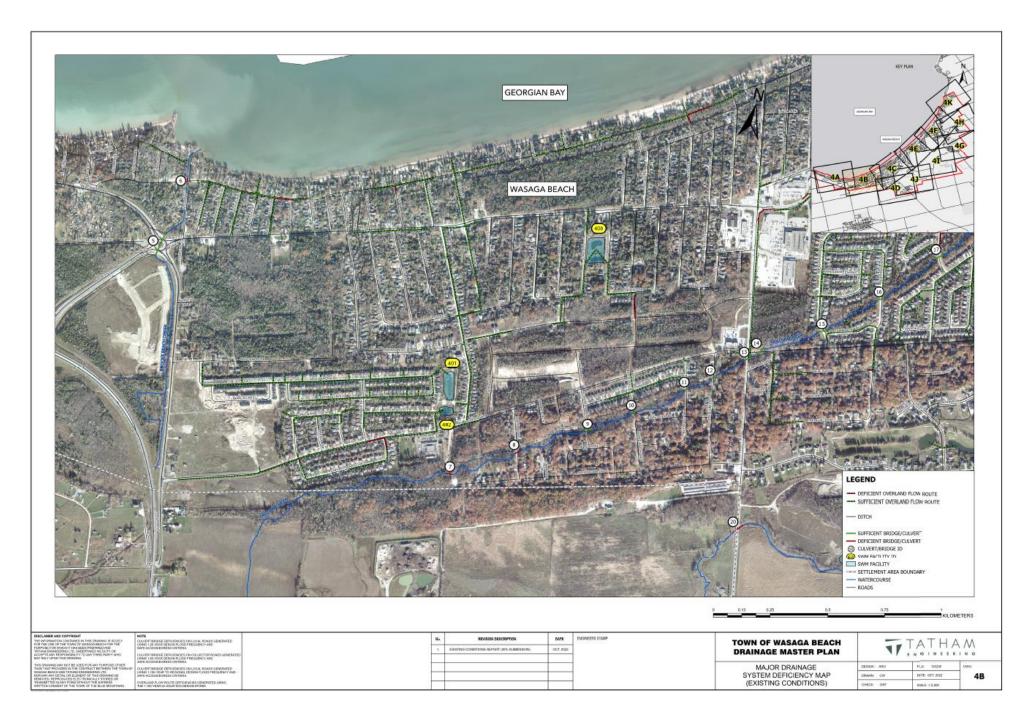


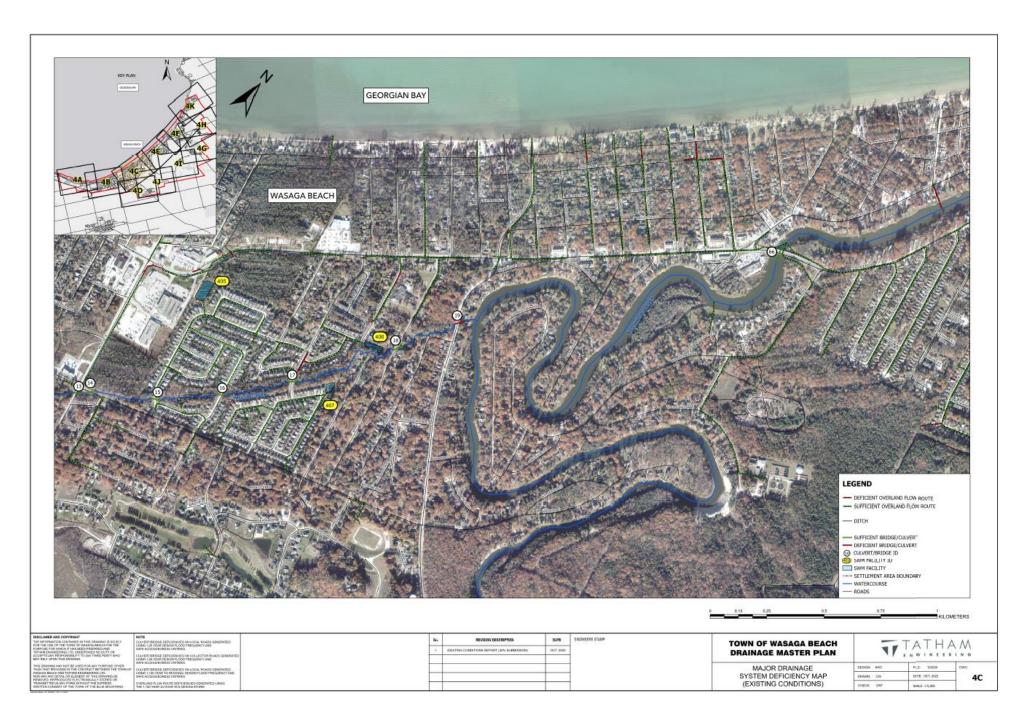


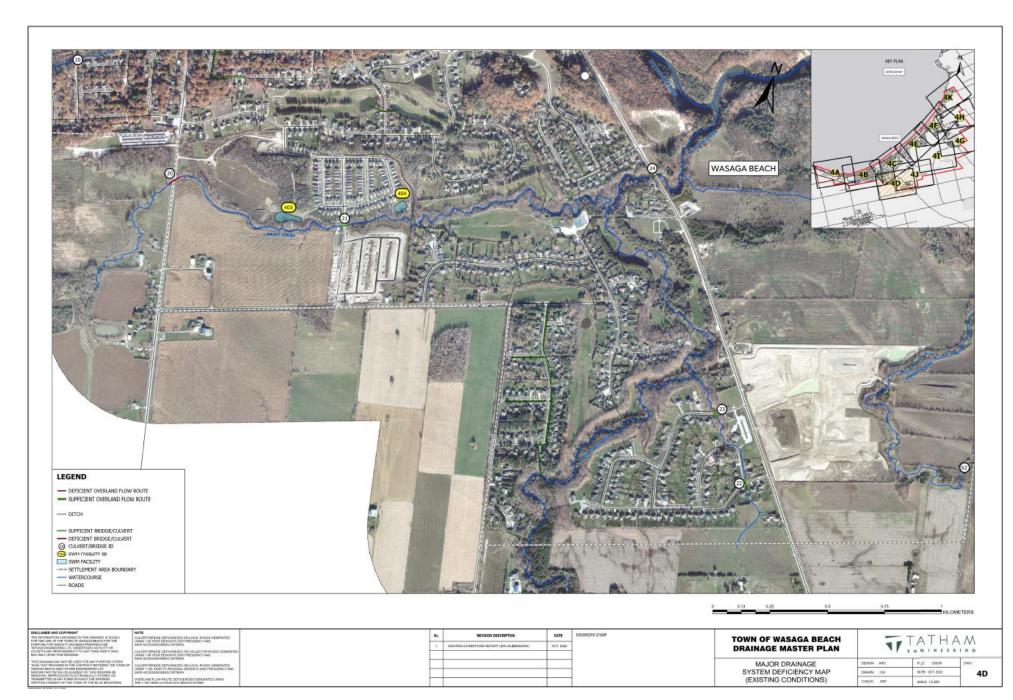


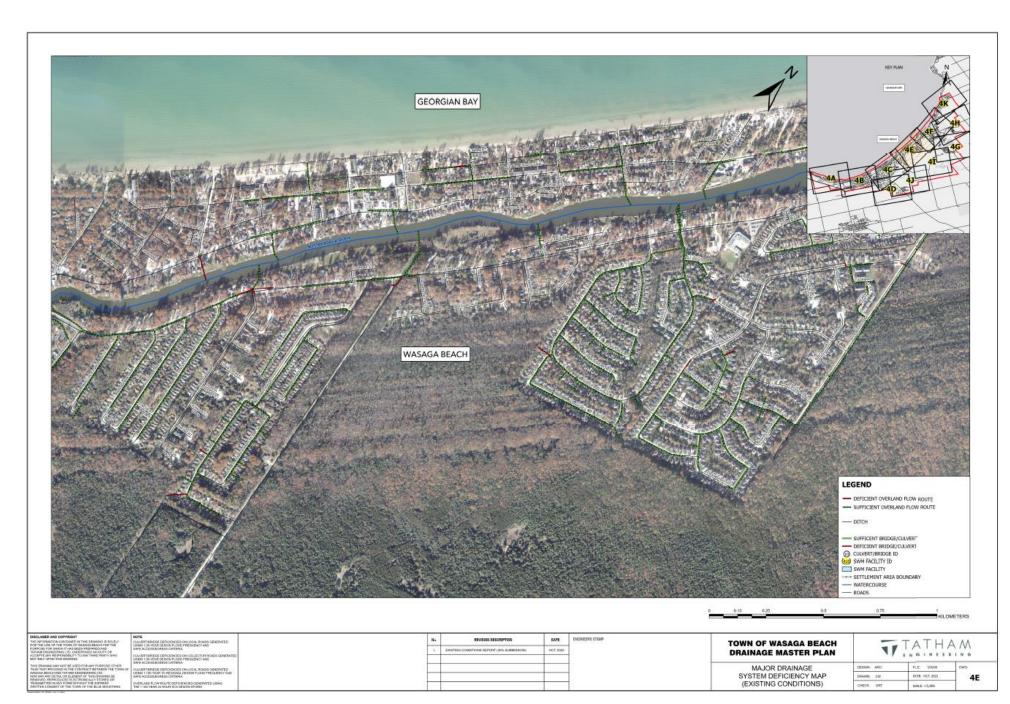


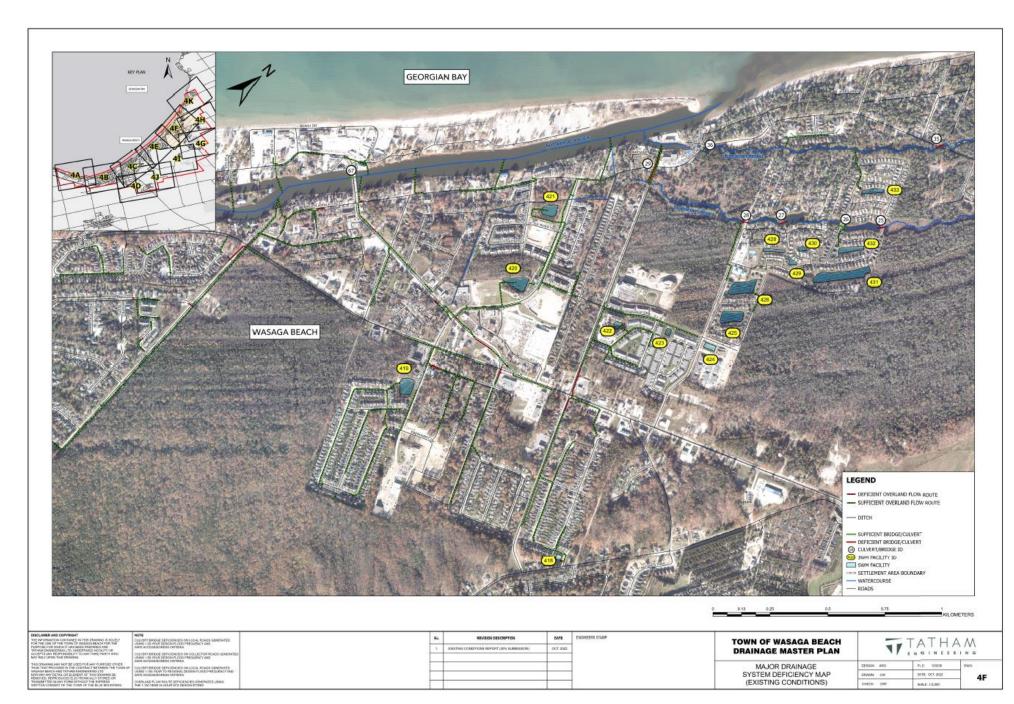


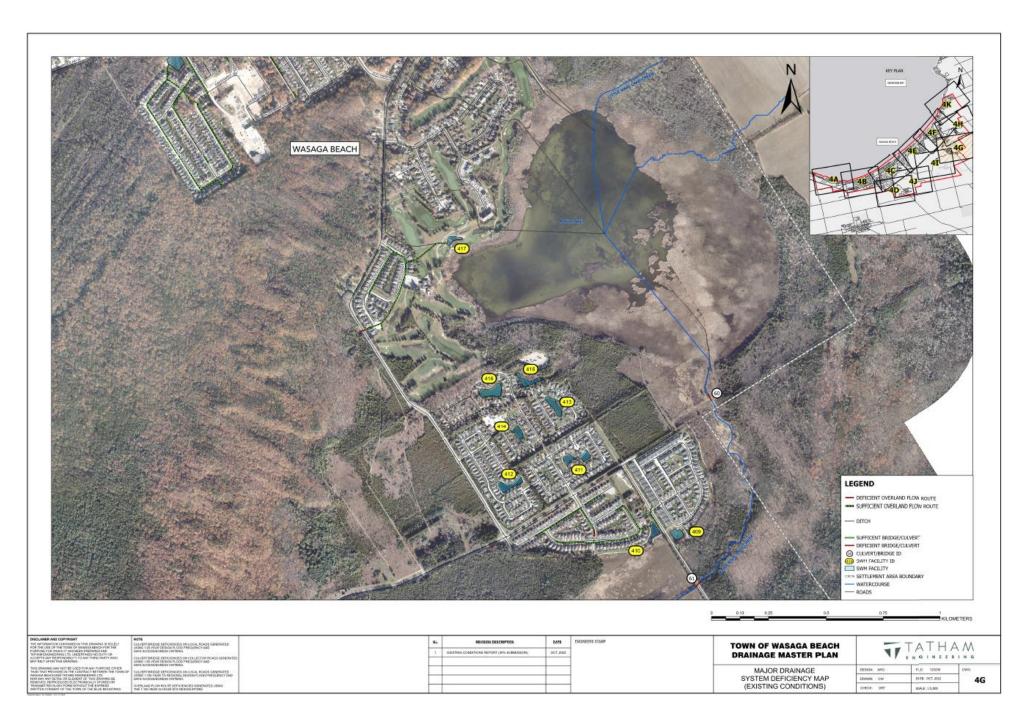


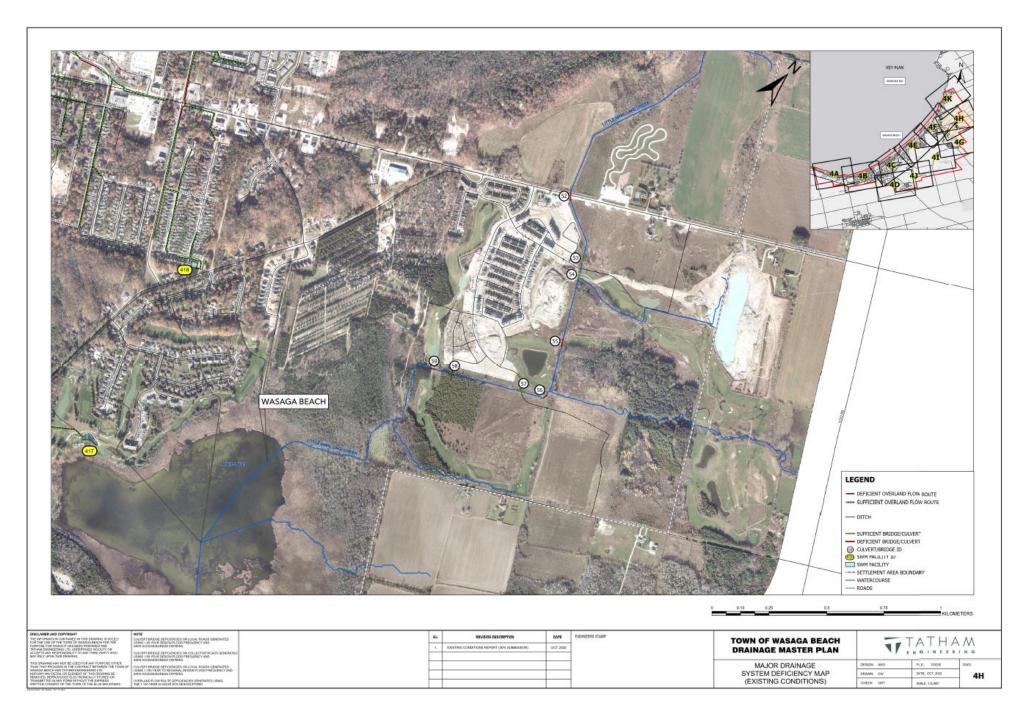


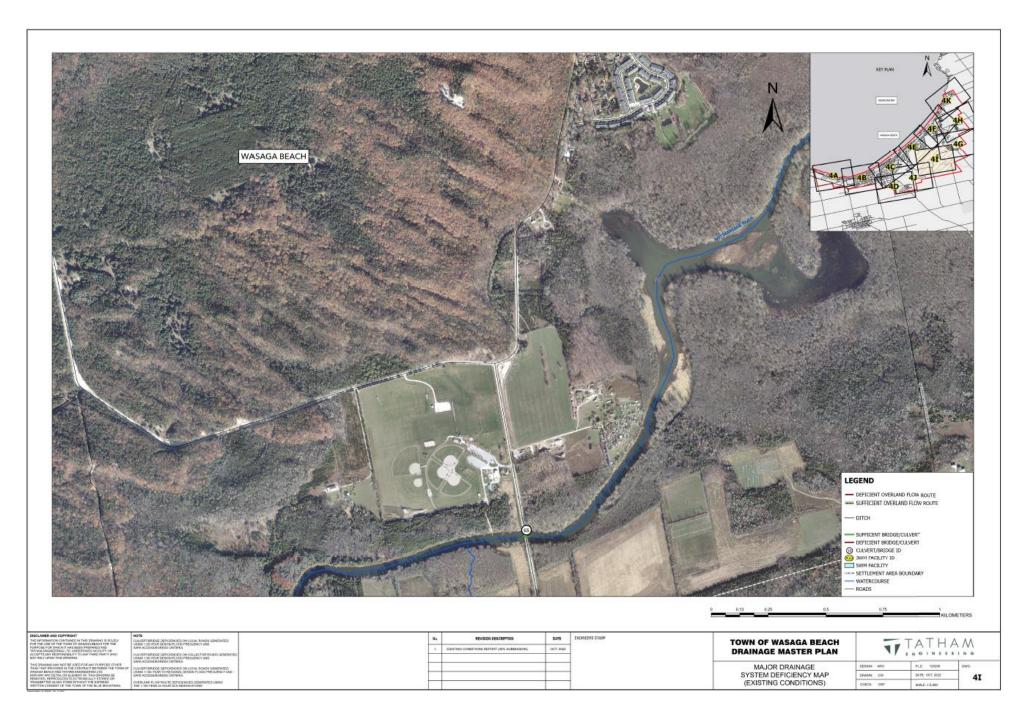


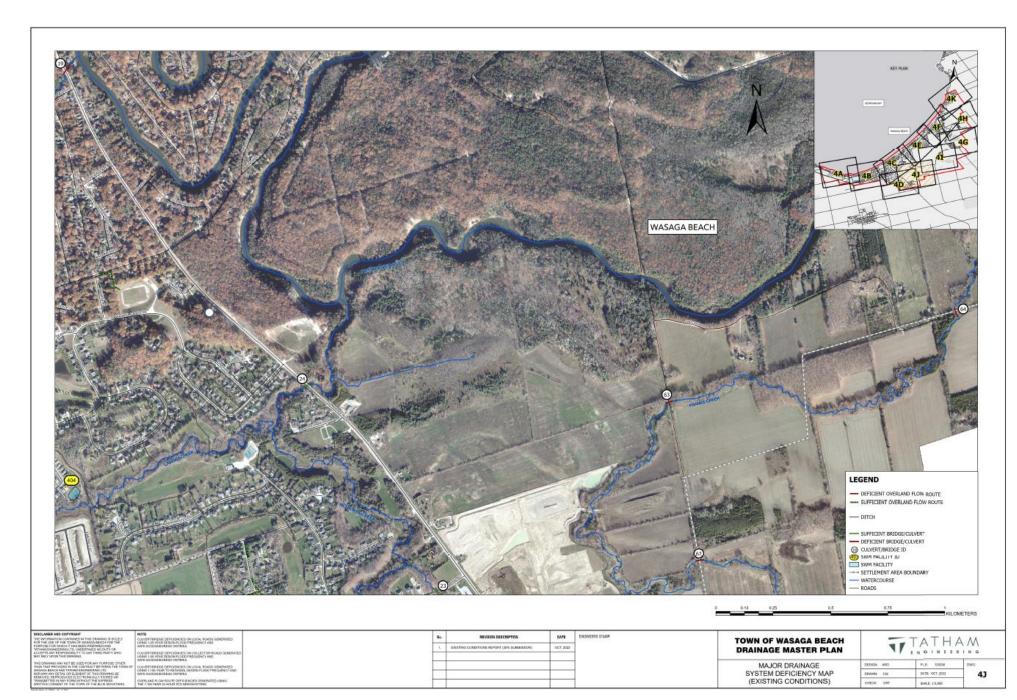


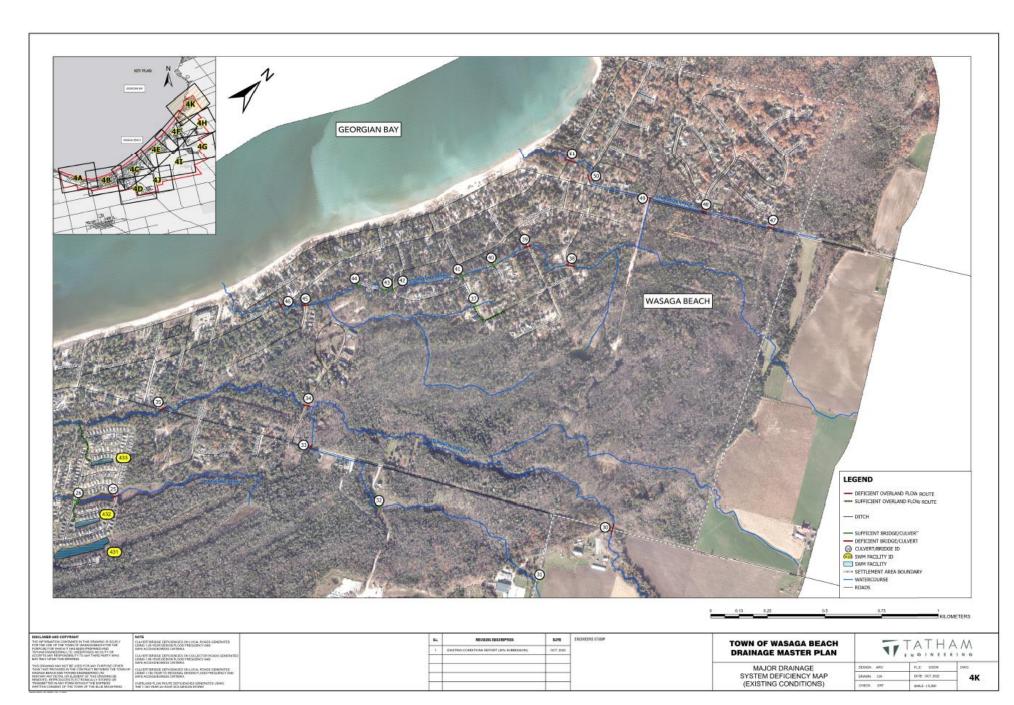


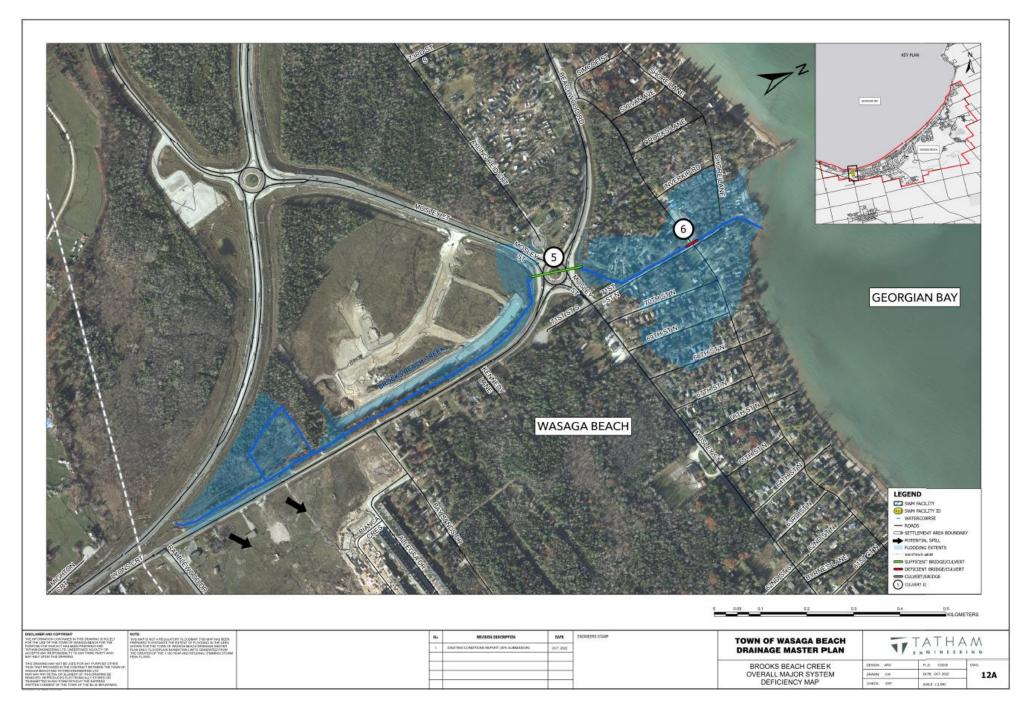


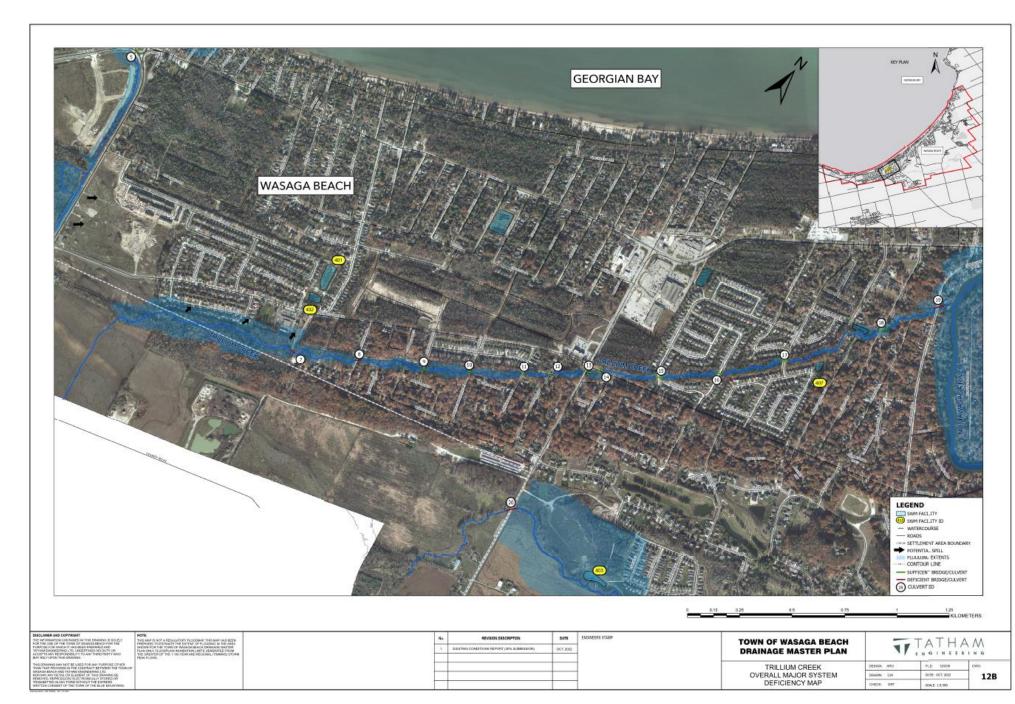


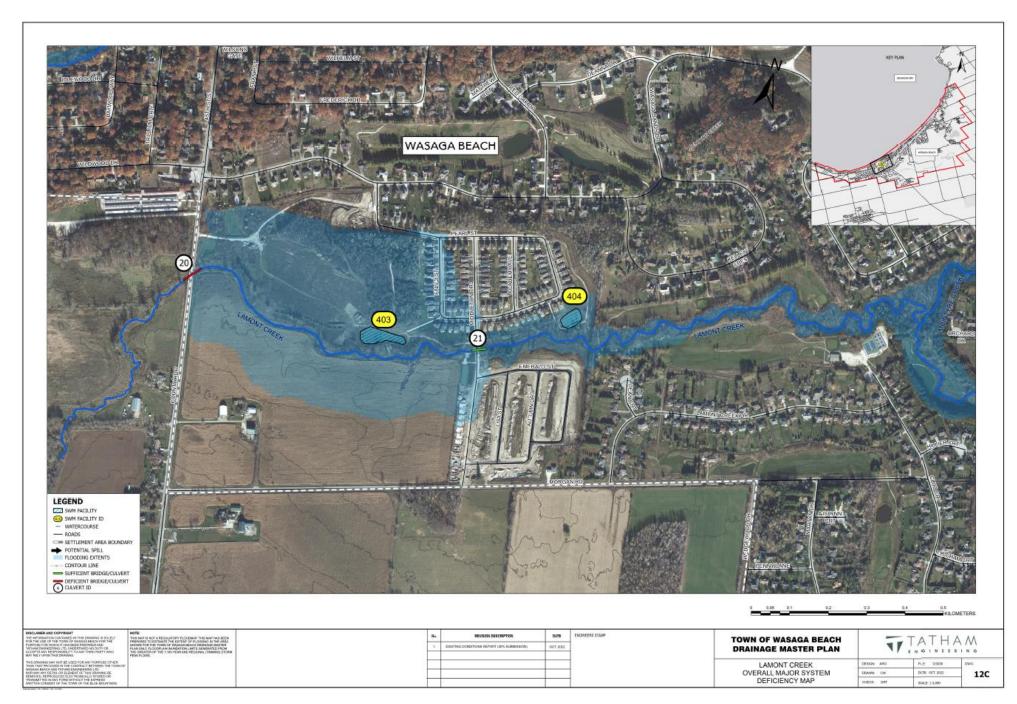


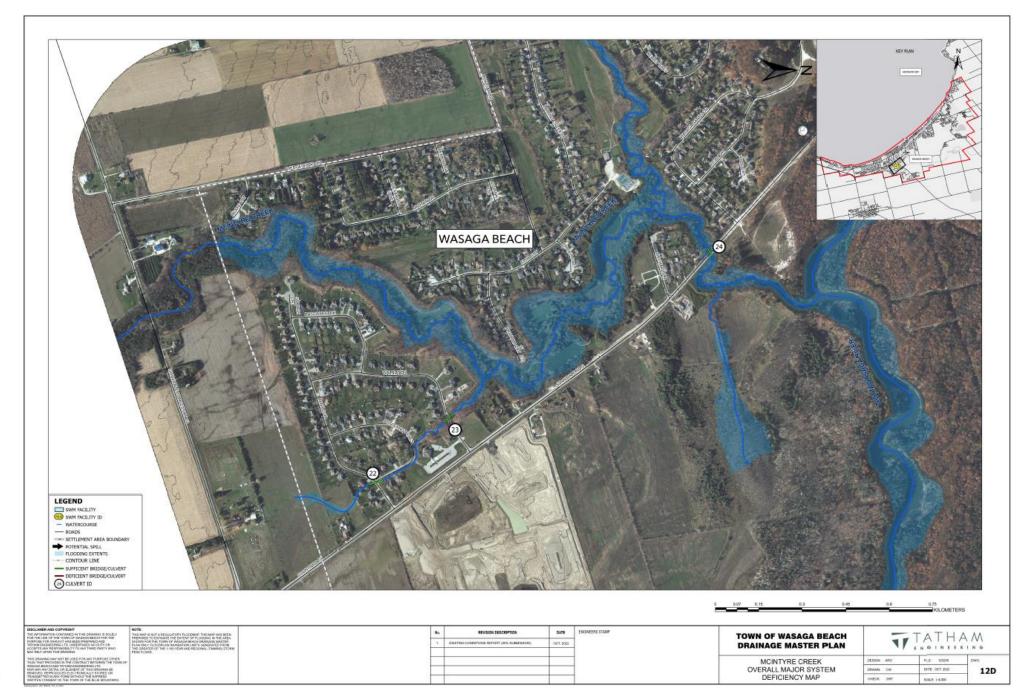


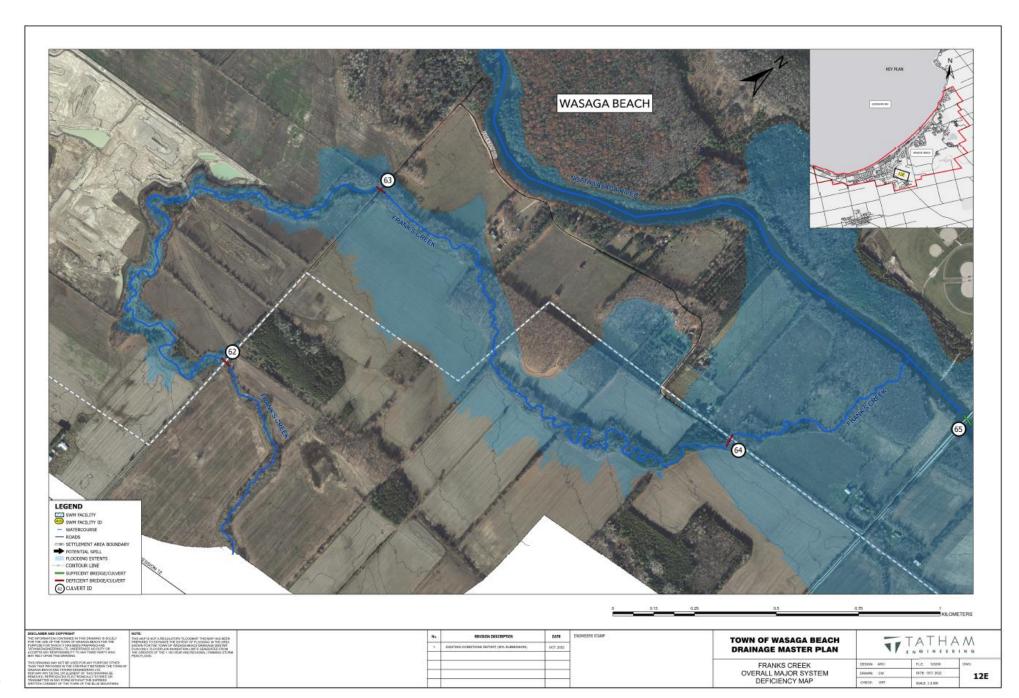


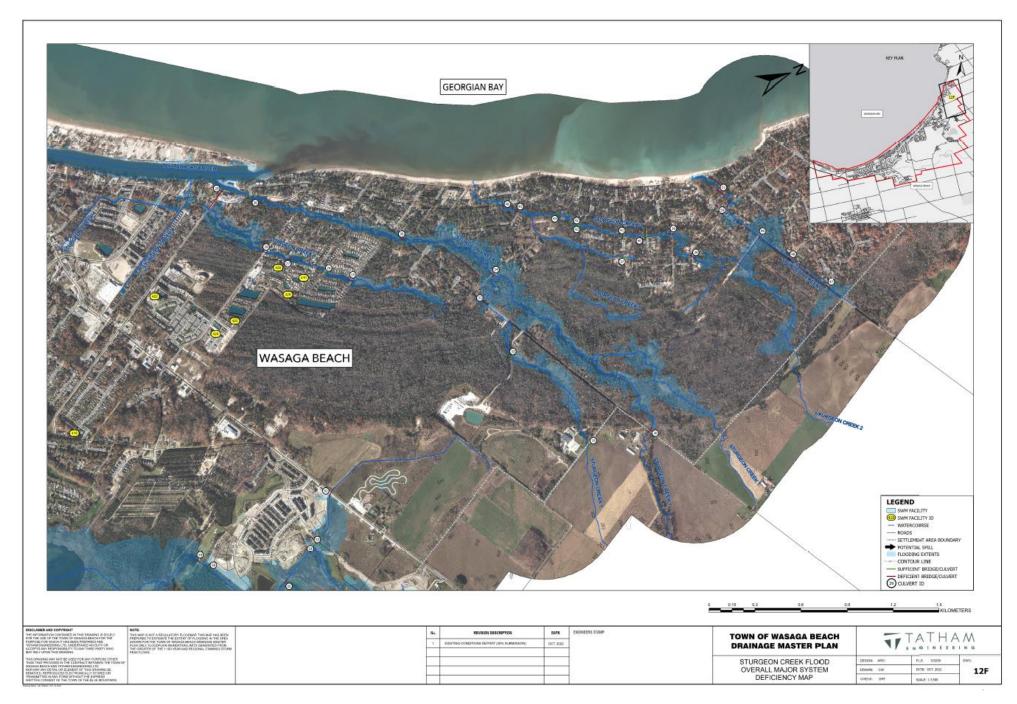


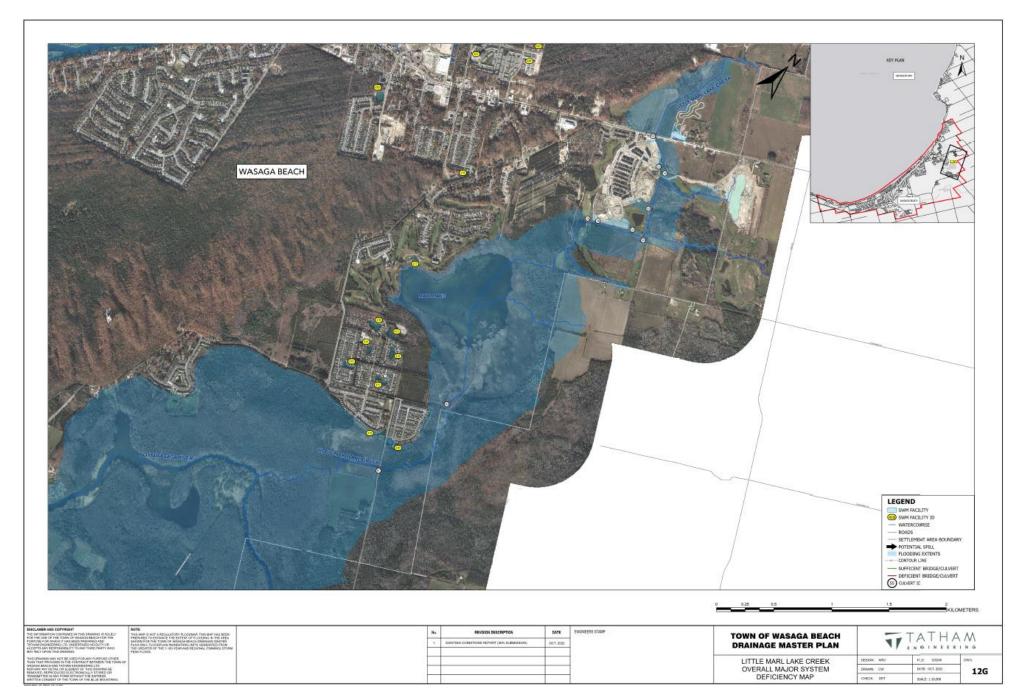


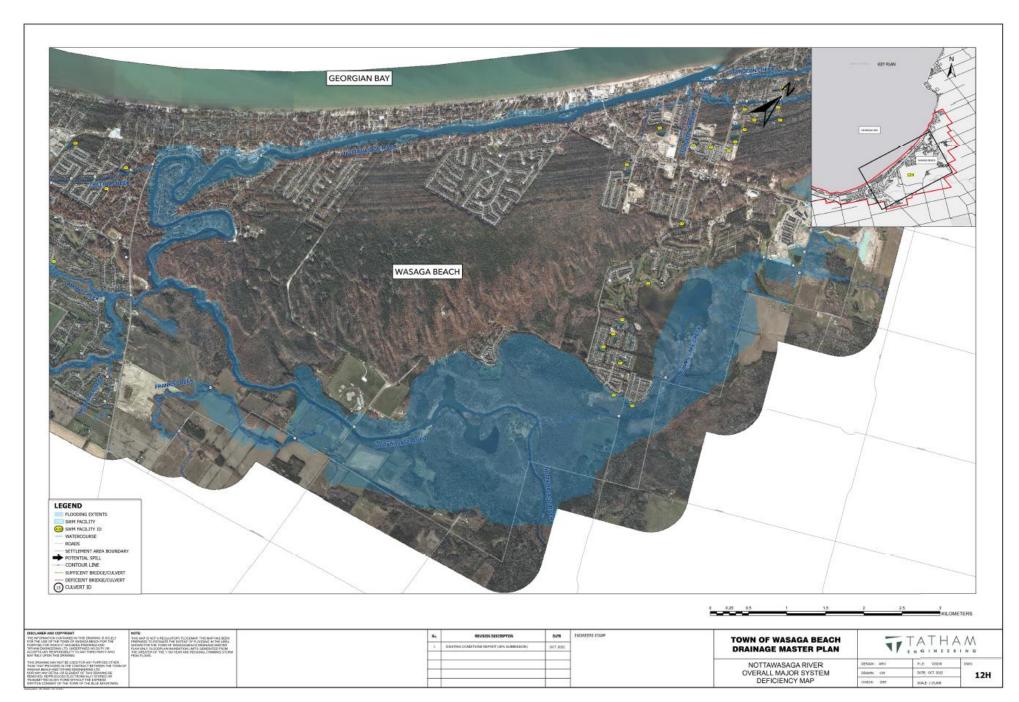












#### Preliminary Improvement Options

#### Improvement Options – Alternative Solutions

- 1. "Do Nothing" Alternative
- Baseline condition considered in evaluation of alternative solutions.
- Does not satisfy Town standards.
- Undersized storm sewer, culverts and bridges.
- Municipal infrastructure on private property.
- Areas absent of minor drainage systems.
- Flooding.



- 2. General Recommendations
- Upsize storm sewers to satisfy design standards.
- Relocation of municipal infrastructure from private property to municipally owned lands.
- Construct minor drainage systems in un-serviced, underserviced areas.
- Improve overland flow routes.



#### Improvement Options – Alternative Solutions

- 3. Flow Reduction/Water Quality Improvements
- Retrofit/Construct New Stormwater Management Facilities



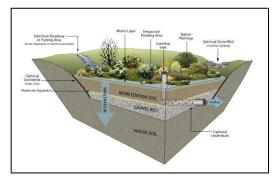
#### Improvement Options – Alternative Solutions

- 3. Flow Reduction/Water Quality Improvements
- Low Impact Development Measures

#### Rainwater Harvesting



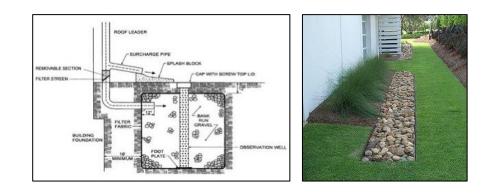
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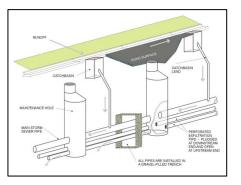




#### Soak away Pits / Infiltration Trenches

## Perforated Pipe Systems / Underground Infiltration Chambers







#### Improvements Options – Alternative Solutions

- 4. Conveyance Capacity Improvements
- Constructing trunk storm sewers;
- Upsizing culverts and bridges;
- Watercourse and channel improvements;
- Improving outlet structures; and
- Improving or constructing overland flow routes.



Public Meeting, Comments and Next Steps

#### Comments

We encourage the public to provide comments and concerns regarding this project. Public comments will be received between October 20, 2022 and November 3, 2022.

Written comments can be submitted at this public meeting or to Daniel Twigger and/or Jonathan Uylenbroek at the addresses below or by completing the comments sheet available on the project website.

Consultant Contact

Contact

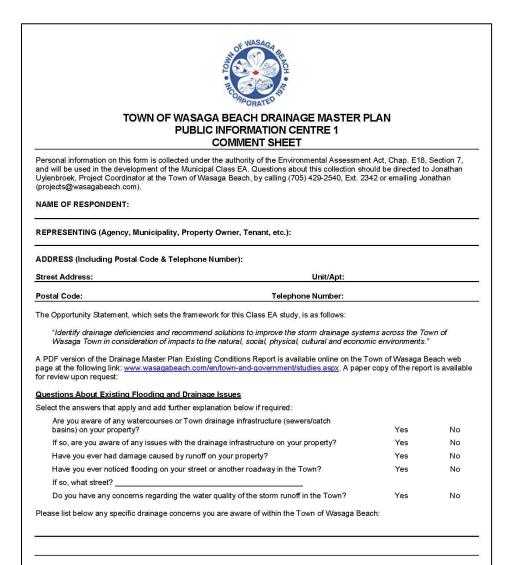
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#### Daniel Twigger, B.Sc.Eng., P.Eng.

Manager - Water Resources Engineering Tatham Engineering Limited 115 Sandford Fleming Drive, Suite 200 Collingwood, ON L9Y 5A6 Tel: (705) 444-2565 ext. 2090 Email: dtwigger@tathameng.com

#### Jonathan Uylenbroek, C.E.T., CAN-CISEC

Project Coordinator Town of Wasaga Beach 30 Lewis Street Wasaga Beach, ON L9Z 1A1 Tel: (705) 429-2540 ext. 2342 Email: projects@wasagabeach.com



#### **Public Meeting**

Comments and information regarding this project are being collected to ensure a comprehensive approach to the study. These comments will be maintained for reference throughout the project and, with the exception of personal information, may be used in the final documentation and will become a part of the public record.

Personal information provided is collected under the authority of the Environmental Assessment Act, Chap. E18, Section 7, and will be used in the development of the Drainage Master Plan. Questions about this collection should be directed to Jonathan Uylenbroek, Project Coordinator by calling or emailing at the number or email address provided.

The Town of Wasaga Beach continues to enhance accessibility that is inclusive of all ages and abilities. The information presented in this Public Information Centre can be provided in alternative formats upon request. Such a request should be submitted to:



Jonathan Uylenbroek, C.E.T., CAN-CISEC Project Coordinator Town of Wasaga Beach 30 Lewis Street Wasaga Beach, ON L9Z 1A1 Tel: (705) 429-2540 ext. 2342

Email: projects@wasagabeach.com

#### Next Steps and Public Information Centre 2

Following PIC 1 and the Comment Period:

- We will review/address public, agency & stakeholder comments;
- Impacts of the alternative solutions will be identified;
- The alternative solutions will be evaluated;
- The preferred alternative solution will be selected;
- A second PIC will be held to present the evaluation process and selected preferred solution.

Please ensure you:

- Submit comments and concerns regarding this project; and
- Notify the Town if you wish to be kept informed of the staff recommendation regarding the Preferred Alternative Solution.

Public Information Centre 2:

- Development, assessment and evaluation of alternative solutions will be presented along with preferred alternative solutions for transparency; and
- Comments/feedback will be elicited from the public, agencies and interested stakeholders.

Please feel free to contact the Town and/or their Consultant any time should you have any further questions or concerns. 

# Thank you for your interest in this study!