

Town of The Blue Mountains Drainage Master Plan

Public Information Centre 2

VIRTUAL PUBLIC MEETING PRESENTATION



Welcome

Tatham Engineering Limited has been retained to prepare this Drainage Master Plan for the Town.



Municipal Class Environmental Assessment (MCEA)

Drainage Master Plan broad level is a detailing the drainage assessment existina deficiencies identified in the study area. It considers improvement options available to address these deficiencies accounting for both climate change and future growth, and then evaluates these alternatives on their ability to meet the problem statement objectives. A preferred alternative solution is then selected for implementation.

Project Contact

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

Email: dtwigger@tathameng.com

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

Problem Statement:

"Identify drainage deficiencies and recommend solutions to improve the storm drainage systems across the Town of The Blue Mountains in consideration of impacts to the natural, social, physical, cultural and economic environments."

Project Team:

The project team responsible for input and preparation of the Drainage Master Plan and its supporting documentation is comprised of the following:

- Town of The Blue Mountains
- Tatham Engineering Limited
- Grey Sauble Conservation Authority
- Nottawasaga Valley Conservation Authority
- Birks Natural Heritage Consultants
- Water's Edge Consulting
- Archeoworks Inc.





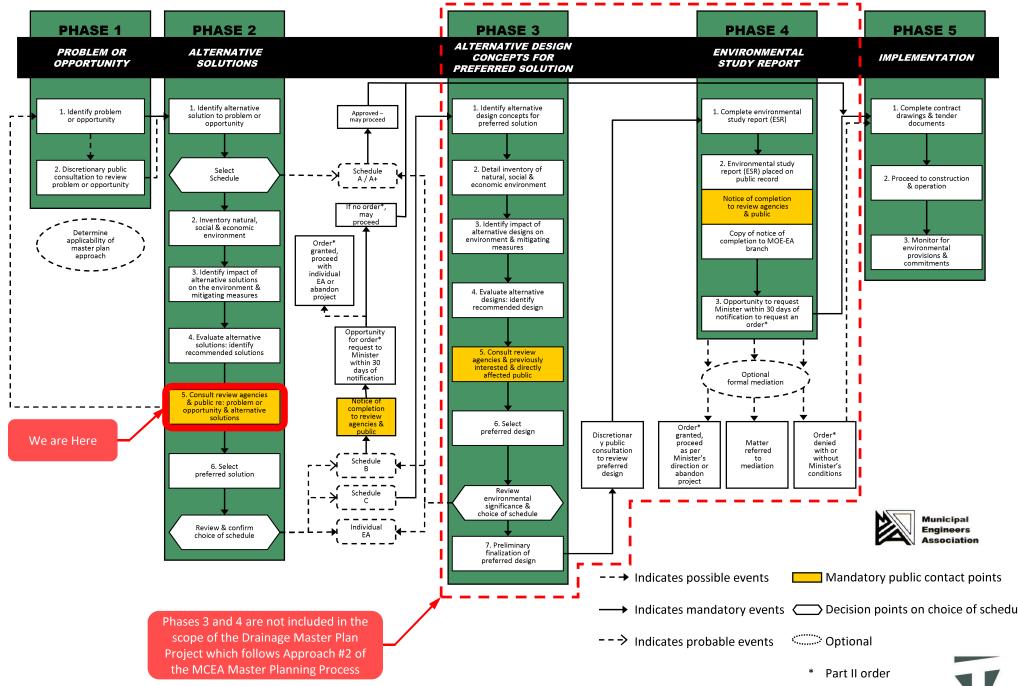
Existing Drainage Systems Analysis and Deficiency Identification (Phase 1 of MCEA)

Study Area

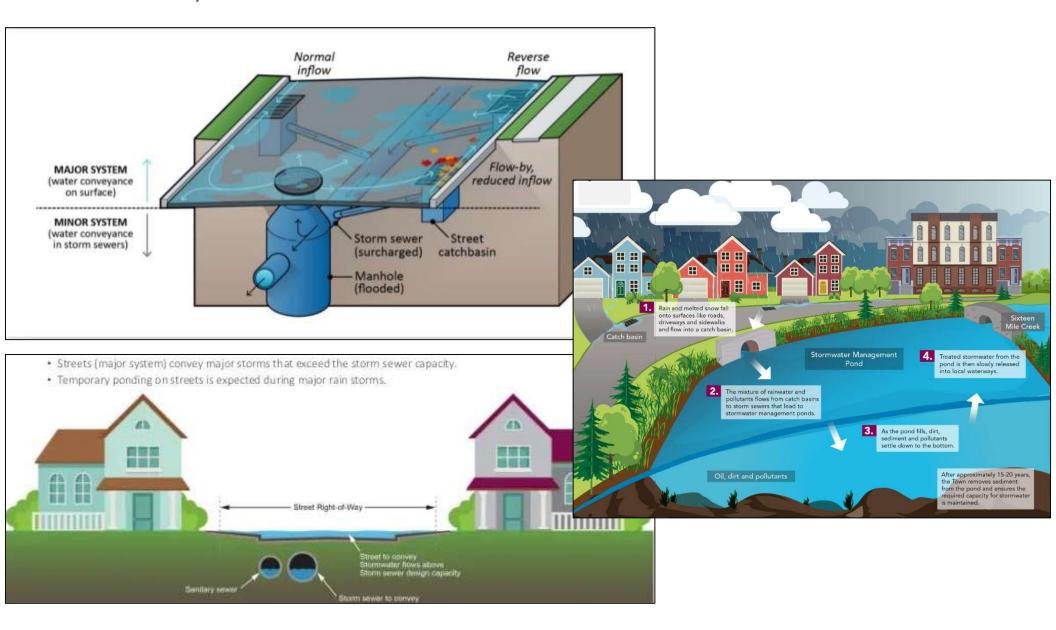




Municipal Class Environmental Assessment and Master Planning Process



Work Completed in Phase 1 of MCEA



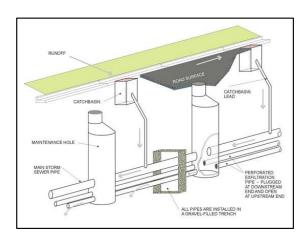


Work Completed in Phase 1 of MCEA

Stormwater Management Pond



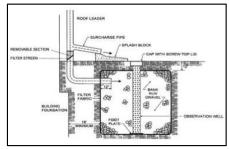
Linear LIDs



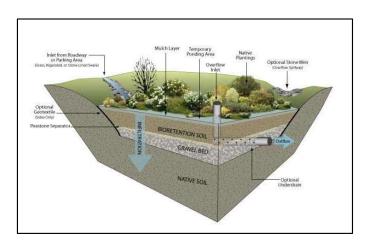
Lot Level LIDs







Centralized LIDs





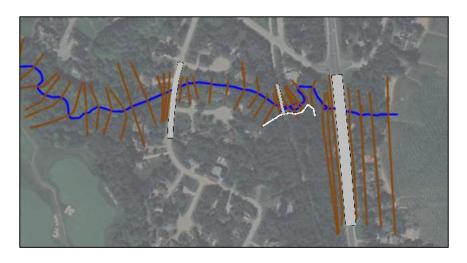
Work Completed in Phase 1 of MCEA: Drainage System Model Development

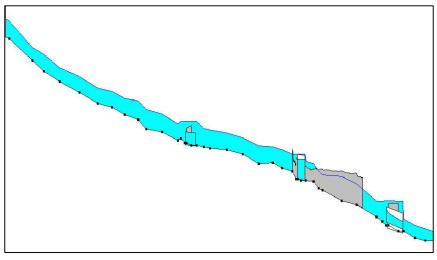
Minor Drainage System Model Excerpt



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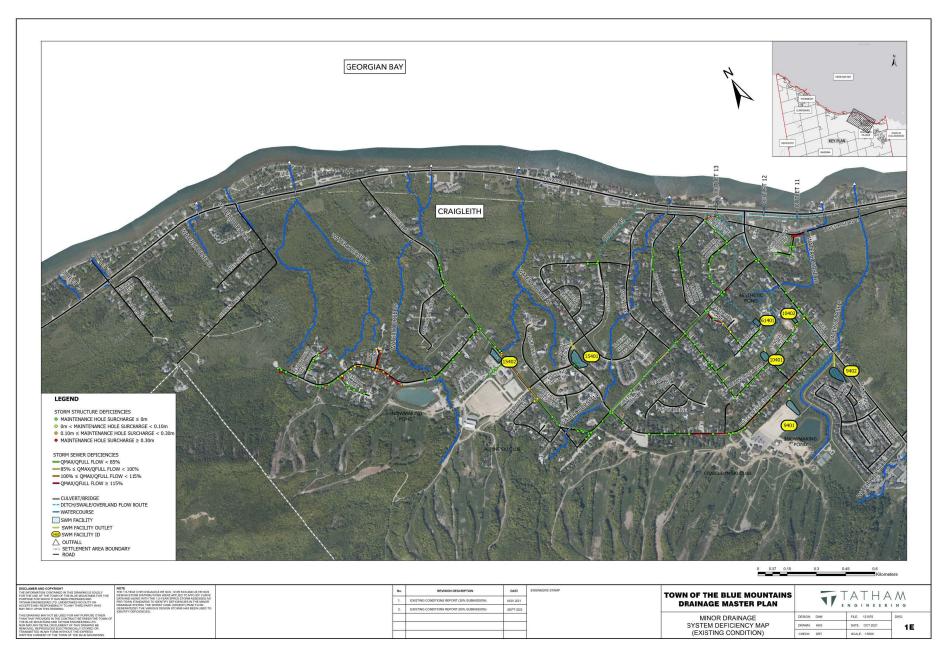
Major Drainage System Model Excerpt





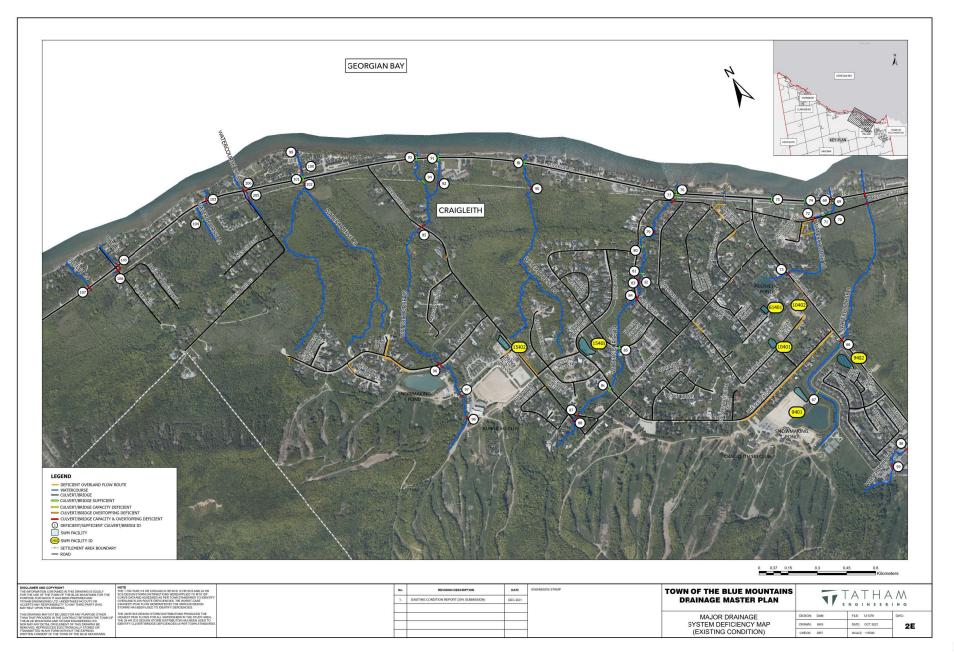


Work Completed in Phase 1 of MCEA: Existing Minor Drainage System Deficiencies



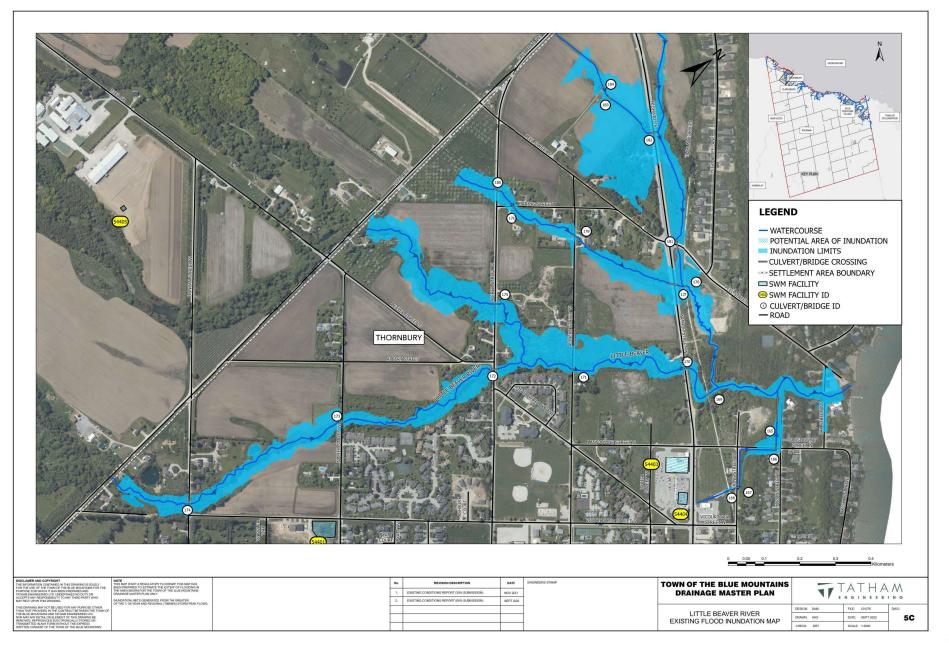


Work Completed in Phase 1 of MCEA: Existing Major Drainage System Deficiencies





Work Completed in Phase 1 of MCEA: Existing Condition Flood Inundation Maps





Public Information Centre 1

The following preliminary improvement options were presented at PIC1 for public input:

1. "Do Nothing" Alternative



2. General Recommendations



3. Flow Reduction/Water Quality Improvements



4. Conveyance Capacity Improvements





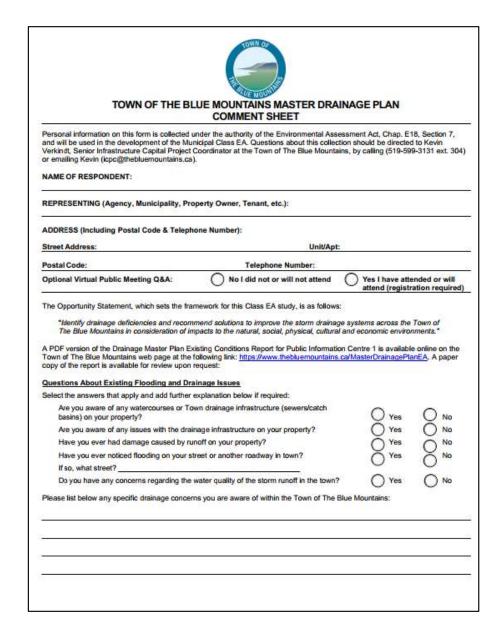
Public Information Centre 1

Public Information Centre 1 was held virtually in February 2022 to:

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

IMPROVEMENT OPTION	# OF RESPONDENTS
1. Do Nothing	0 (0%)
2. Storm Sewer Improvements	7 (100%)
3. Water Quality/ Flow Reduction Improvements	3 (43%)
4. Conveyance Improvements	6 (86%)

We appreciate the feedback received from PIC#1 . This feedback has been reviewed and considered when updating the existing condition analysis and when assessing the alternative solutions described later in this presentation.







Development, Assessment and Evaluation of Alternative Solutions (Phase 2 of MCEA)

Development of Alternative Solutions

Improvement alternatives were developed based on the noted drainage deficiencies and the input received from the public during PIC #1. The following improvement alternatives were considered to address the project problem statement and correct the noted existing drainage deficiencies:

Alt. No.	Description	Alt. No.	Description
1A	"Do Nothing" Minor Drainage Systems	2F	Centralized Low Impact Development Measures
1B	"Do Nothing" Major Drainage Systems	2G	Mechanical Treatment Devices (Oil Grit Separators)
2A	Retrofit/New Stormwater Management Facilities for Quantity Control	3A	Minor Drainage System Improvements
2B	Retrofit New Stormwater Management Facilities for Quality Control	3B	Culvert/Watercourse Major Drainage System Improvements
2C	Expansion of Existing Floodplain Storage Areas	3C	Trunk Storm Sewer/Overland Flow Route Major Drainage System Improvements
2D	Lot Level Low Impact Development Measures	3D	Drainage Outlet Design, Operation and Maintenance
2E	Linear Low Impact Development Measures	3E	Drainage Infrastructure Operation and Maintenance



Assessment of Alternative Solutions

A pre-screening exercise was completed for the improvement alternatives to determine which alternatives would be eliminated from consideration, carried forward as general recommendations, or identified for assessment and evaluation on an individual project basis.

The results of the screening exercise are summarized in the table below. Individual projects for alternatives 2A, 2B, 2C, 3B, and 3C were identified based on existing deficiencies and options for each individual project were evaluated to determine the preliminary preferred solutions.

General Recommendation	Individual Projects	Eliminated
Alternative 2D – Lot Level Low Impact Development Measures	Alternative 2A - Retrofit/New Stormwater Management Facilities for Quantity Control	Alternative 1A – "Do Nothing" Minor Drainage Systems
Alternative 2E - Linear Low Impact Development Measures	Alternative 2B - Retrofit/New Stormwater Management Facilities for Quality Control	Alternative 1B - "Do Nothing" Major Drainage Systems
Alternative 2G - Mechanical Treatment Devices (Oil Grit Separators)	Alternative 2C - Expansion of Existing Floodplain Storage Areas	Alternative 2F - Centralized Low Impact Development Measures
Alternative 3A - Minor Drainage System Improvements	Alternative 3B – Culvert/Watercourse Major Drainage System Improvements	
Alternative 3D - Drainage Outlet Design, Operation and Maintenance	Alternative 3C - Trunk Storm Sewer/Overland Flow Route Major Drainage System Improvements	
Alternative 3E - Drainage Infrastructure Operation and Maintenance		



Evaluation of Alternative Solutions

A total of 117 individual projects were identified for alternatives 2A, 2B, 2C, 3B, and 3C with multiple options being considered for some projects. Preliminary designs and cost estimates were completed for each project to assist with the project evaluations.

Projects were evaluated with respect to their impact on the physical, natural, social/cultural and economic environments.

able 20: Indivi	dual Proje	ct Evaluation Summary						Recommended Project		Feasible Project (Conditional)		Not Recommended/Not Feasible	
Watershed	Project No.	Improvement Name/ID	Location	Description		Physical Environment		Economic Environment		Social/Cultural Environment	2	Natural Environment	Ove
	1A	Culvert No. 198 / TOBM Asset ID	Sunset Boulevard	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.	•	Moderate capital and minor maintenance/life cycle costs.	Ф	Property acquisition required; moderate improvement in public safety.	4	Improve fish passage; medium sensitivity feature with minor tree removal.	4
	2A	Culvert No. 199 / TOBM Asset ID	39th Sideroad	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	1	Major reduction in flooding and minor reduction in erosion potential.	0	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; major improvement in public safety.	4	Improve fish passage; medium sensitivity feature with minor tree removal.	6
	2E	Content (io. 235) (OSF) Asset io	39th Sideroad	Improve culvert crossing to extent possible within municipal road allowance.	0	Moderate reduction in flooding and minor reduction in erosion potential.	0	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety.	0	Improve fish passage; medium sensitivity feature with no tree removal.	
	3A	Culvert No. 200 / TOBM Asset ID	857516 Christie Beach Roa	Improve culvert crossing to satisfy design flood frequency criteria.	4	Minor reduction in flooding and erosion potential.	4	Minor capital and moderate maintenance /life cycle costs.	0	Temporary disturbance; minor improvement in public safety.	(1)	Improve fish passage; medium sensitivity feature with no tree removal.	10
Vatercourse 55	38			Improve culvert crossing to satisfy design flood frequency criteria and safe access/egress criteria.	0	Moderate reduction in flooding and minor reduction in erosion potential.	•	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety.	•	Improve fish passage; medium sensitivity feature with minor tree removal.	У 4
	4A	Culvert No. 201 / TOBM Asset ID	857508 Christie Beach Roa	Improve culvert crossing to satisfy design flood frequency criteria.	4	Minor reduction in flooding and erosion potential.	4	Minor capital and moderate maintenance /life cycle costs.	Θ	Temporary disturbance; minor improvement in public safety.	(1)	Improve fish passage; medium sensitivity feature with no tree removal.	1
	48			Improve culvert crossing to satisfy design flood frequency criteria and safe access/egress criteria.	0	Moderate reduction in flooding and minor reduction in erosion potential.	•	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety.	4	Improve fish passage; medium sensitivity feature with minor tree removal.	4
	5A	Culvert No. 203 / TOBM Asset ID	Christie Beach Road	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.		Minor capital and maintenance/life cycle costs.	•	Temporary disturbance; moderate improvement in public safety.	•	Improve fish passage; medium sensitivity feature with minor tree removal.	
	5E			Improve culvert crossing to extent possible within municipal road allowance.		Minor reduction in flooding and erosion potential.		Minor capital and moderate maintenance /life cycle costs.	0	Temporary disturbance; minor improvement in public safety.	0	Improve fish passage; medium sensitivity feature with no tree removal.	(
	6A	Culvert No. 185 / TOBM Asset ID	Sunset Boulevard	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.		Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety.	•	Improve fish passage; medium sensitivity feature with minor tree removal.	y 4
Boulder	7A			Install trunk storm sewer to resolve overland flow (major system) deficiency	4	Moderate reduction in flooding.	•	Major capital cost with minor reduction in maintenance/life cycle costs.	0	Major disturbance with moderate improvement in public safety.	0	No impact	L
Channel	78 Trunk	unk Storm Sewer No. 1	East Ridge Drive	Install relief storm sewer through new easement to direct high flows to Lake Drive outlet.	4	Moderate reduction in flooding with minor increase in erosion potential.	4	Minor capital cost with minor increase in maintenance/life cycle costs.	0	Property acquisition with moderate improvement in public safety.	0	No impact	
	7F			Do Nothing	0	No net change in water quality treatment, flooding or erosion potential.	0	No Capital costs and moderate maintenance/life cycle costs.	4	No net change in moderate public safety hazard.	0	No impact	1
	8A	Culvert No. 176 / TOBM Asset ID	Georgian Trail	Improve culvert crossing to satisfy design flood frequency criteria.	4	Minor reduction in flooding and erosion potential.		Minor capital and maintenance/life cycle costs.	0	Temporary disturbance; minor improvement in public safety.	0	Improve fish passage; medium sensitivity feature with no tree removal.	3
	9A	Culvert No. 178 / TOBM Asset ID	Alice Street West	Improve culvert crossing to satisfy design flood frequency criteria.	•	Potential increase in downstream flooding.	•	Minor capital and maintenance/life cycle costs.	0	Temporary disturbance with minor improvement in public safety.	0	Improve fish passage; medium sensitivity feature with no tree removal.	,
	9F			Do Nothing	0	No net change in water quality treatment, flooding or erosion potential.	0	No capital cost and minor maintenance/life cycle costs.	0	No Net Change	4	Impede fish passage; medium sensitivity feature with no tree removal.	
	9G			Improve Alice Street West culvert and downstream driveway culvert to satisfy design flood frequency criteria.	0	Moderate reduction in flooding and minor reduction in erosion potential.	•	Minor capital and maintenance/life cycle costs.	0	Temporary disturbance with minor improvement in public safety.	0	Improve fish passage; medium sensitivity feature with no tree removal.	1
	10A	Culvert No. 179 / TOBM Asset ID	Baring Street	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.	•	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety. No net change in moderate public safety	0	Improve fish passage; medium sensitivity feature with no tree removal.	1
ttle Beaver	10F			Do Nothing	0	No net change in water quality treatment, flooding or erosion potential.	-	No capital and moderate maintenance/life cycle costs.	•	hazard.	•	Medium sensitivity feature with no tree removal.	Ľ
PEROGE	11A	Culvert No. 180 / TOBM Asset ID	Alfred Street West	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.	1	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety.	0	Improve fish passage; medium sensitivity feature with no tree removal.	
	11F	(A)		Do Nothing	0	No net change in water quality treatment, flooding or erosion potential.	4	No capital and moderate maintenance/life cycle costs.	•	No net change in moderate public safety hezard.	•	Medium sensitivity feature with no tree removal.	L
	12A	Culvert No. 171 / TOBM Asset ID	Alice Street West	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.	4	Moderate capital and minor maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety. Temporary disturbance; moderate	(1)	Improve fish passage; medium sensitivity feature with no tree removal.	-
	13A	Culvert No. 173 / TOBM Asset ID	Napier Street West	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential. Moderate reduction in flooding and	1	Minor capital and maintenance/life cycle costs. Minor capital and maintenance/life cycle	4	improvement in public safety.	1	Improve fish passage; medium sensitivity feature with minor tree removal.	
	1000000	Culvert No. 174 / TOBM Asset ID	Duncan Street West	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).	0	Moderate reduction in flooding and minor reduction in erosion potential.	1	Minor capital and maintenance/life cycle costs.	4	Temporary disturbance; moderate improvement in public safety. Major disturbance; major improvement	1	Improve fish passage; medium sensitivity feature with minor tree removal.	
	113A	Culvert No. 175 / TOBM Asset ID	Alfred Street West	Improve culvert crossing to satisfy design flood frequency criteria (consequently satisfies safe access/egress criteria).		Major reduction in flooding and minor reduction in erosion potential.	•	Moderate capital cost and moderate maintenance/lifecycle costs.	4	in public safety.	•	Improve fish passage; medium sensitivity feature with minor tree removal.	1





Preliminary Preferred Solution

General Recommendations

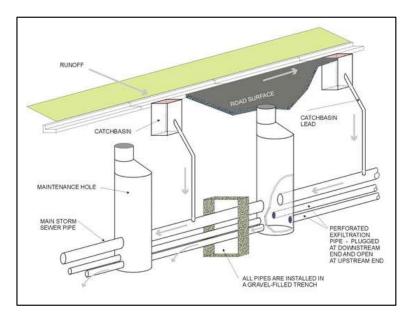
Minor Drainage System Improvements (Alt. 3A)

- Upsize storm sewer to satisfy current design standards;
- Relocate drainage infrastructure from private property to municipal lands; and
- Improve areas absent of minor drainage systems to include storm sewers or roadside ditches.



Water Quality Improvements (Alts. 2D, 2E & 2G)

- Encourage residents to implement Lot Level LIDs;
- Implement Linear LIDs as part of future road reconstruction projects; and
- Install Mechanical Treatment Devices within the storm sewer network.





General Recommendations

Drainage Outlet Design, Operation and Maintenance (Alt. 3D)

- Implement design criteria for drainage outlets to Georgian Bay;
- Establish a formal procedure for the inspection, operation and maintenance of Town-owned drainage outlets; and
- Progressively purchase property or easements for drainage outlets where it is in the Town's interest to do so.



Drainage System Operation and Maintenance (Alt. 3E)

- Formalize procedure for the inspection, operation and maintenance of culvert crossings;
- Formalize procedure for the inspection, operation and maintenance of stormwater management facilities; and
- Formalize procedure for the inspection, operation and maintenance of mechanical treatment devices.





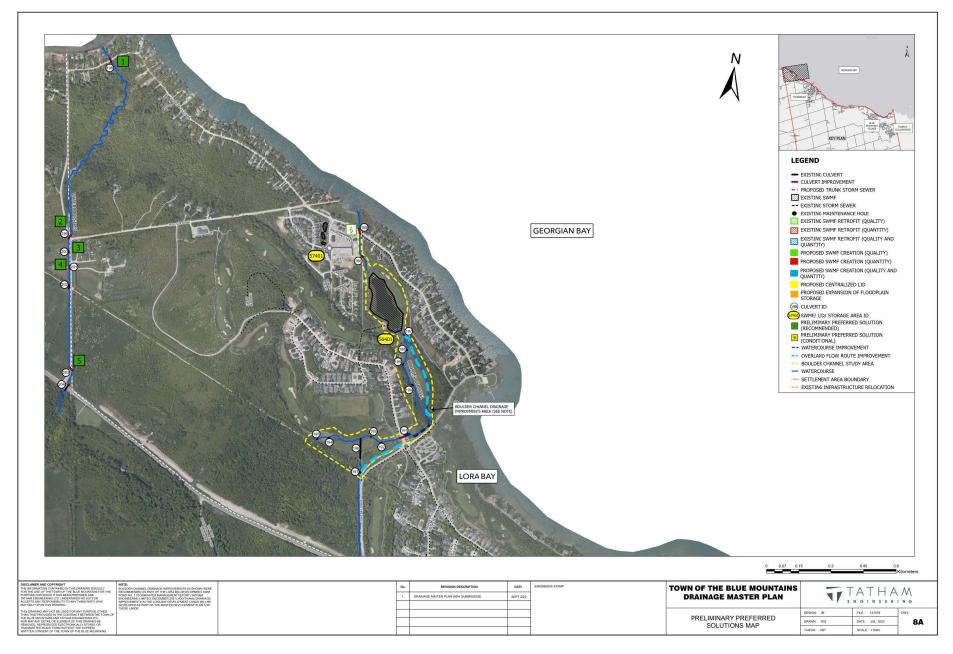
General Recommendations

The estimated costs to implement the general recommendations included in the preliminary preferred solution are summarized in the table below.

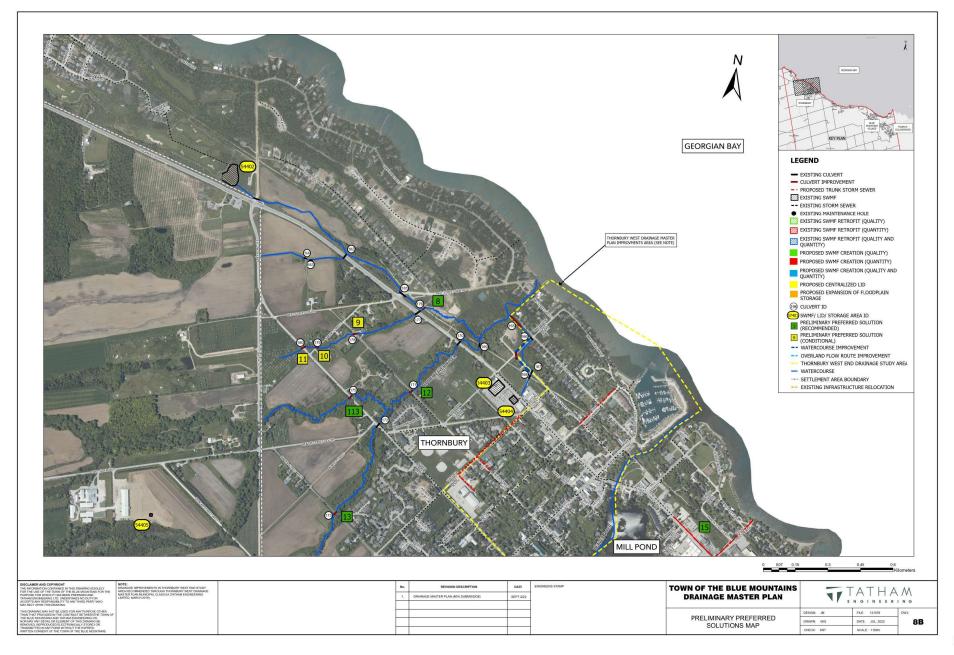
Alternative	Estimated Cost
Alternative 2D - Lot Level Low Impact Development Measures	\$0
Alternative 2E - Linear Low Impact Development Measures	\$25,910,000 ¹
Alternative 2G - Mechanical Treatment Devices (Oil Grit Separators)	\$9,950,000²
Alternative 3A - Minor Drainage System Improvements	\$8,250,000 ³
Alternative 3D - Drainage Outlets Design, Operation and Maintenance	\$60,0004
Total	\$18,260,000 - \$34,220,000

- 1. The estimated cost for Alternative 2E assumes full implementation of Linear LID measures on all eligible roads in the study area.
- 2. The estimated cost for Alternative 2G assumes full implementation of Mechanical Treatment Devices on all eligible storm sewer systems in the study area which are currently untreated.
- 3. The estimated cost for Alternative 3A is the difference in cost between improving storm sewers to satisfy Town standards and replacing existing storm sewers at their current sizes.
- 4. Estimated cost for Alternative 3D includes design standards update and one year of operation and maintenance.
- 5. The General Recommendations are to be implemented at the discretion of the Town as deemed feasible in conjunction with regular planned infrastructure renewal and road reconstruction projects. Therefore, it is noted the full estimated cost presented above may not be realized.

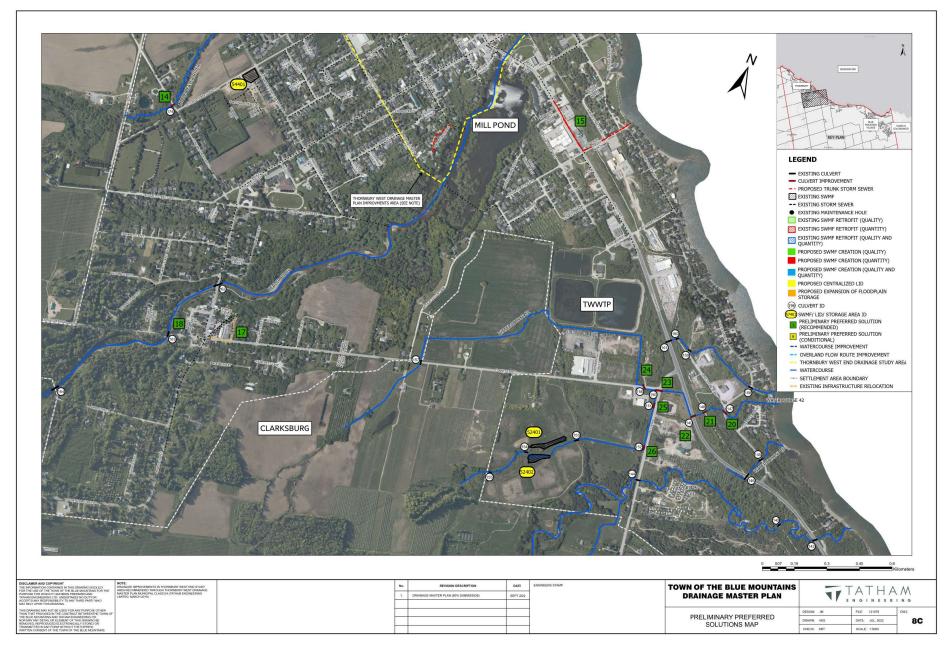




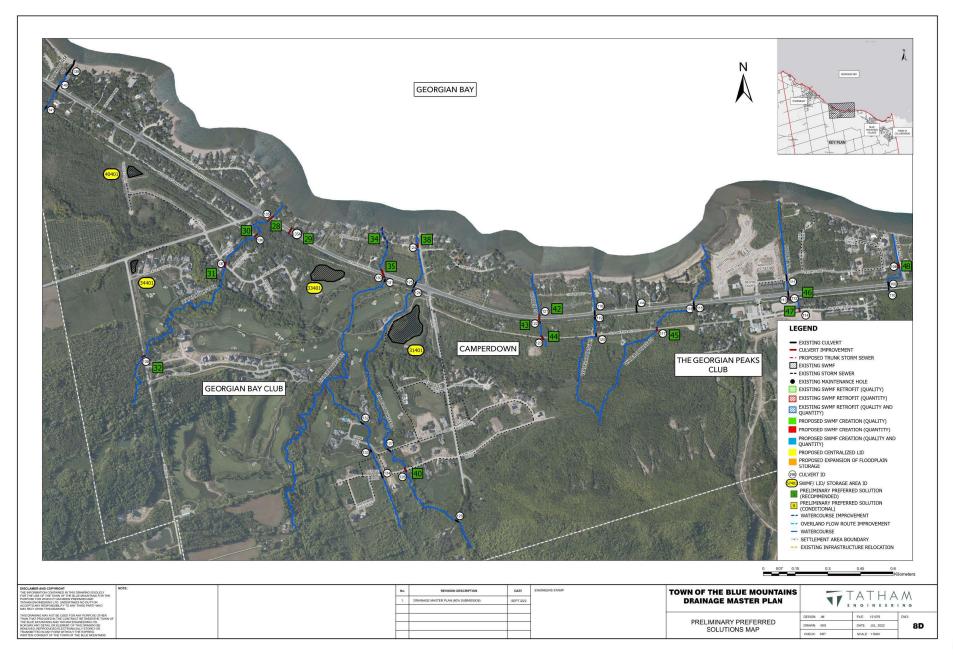




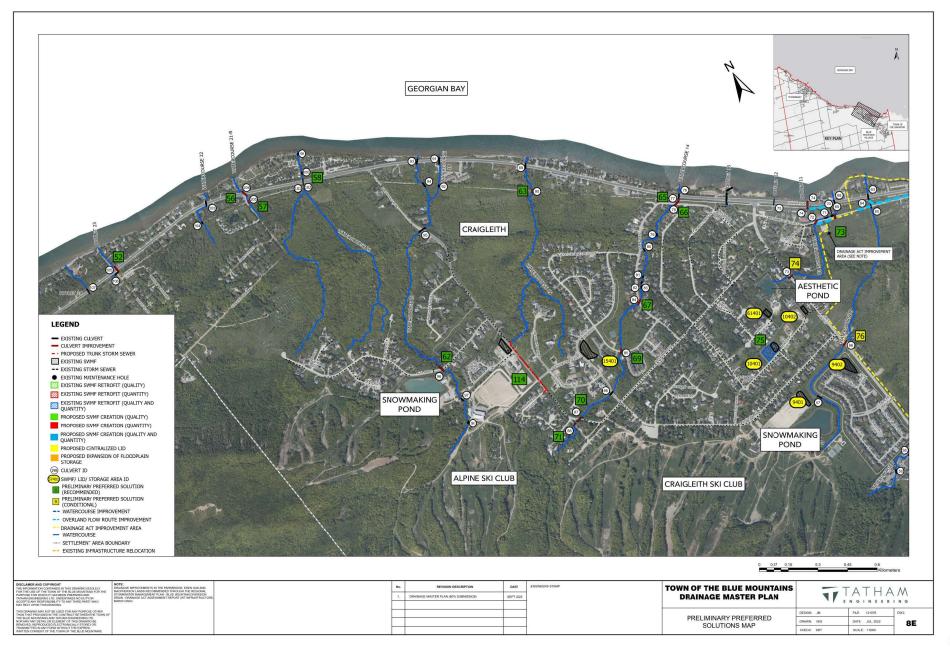




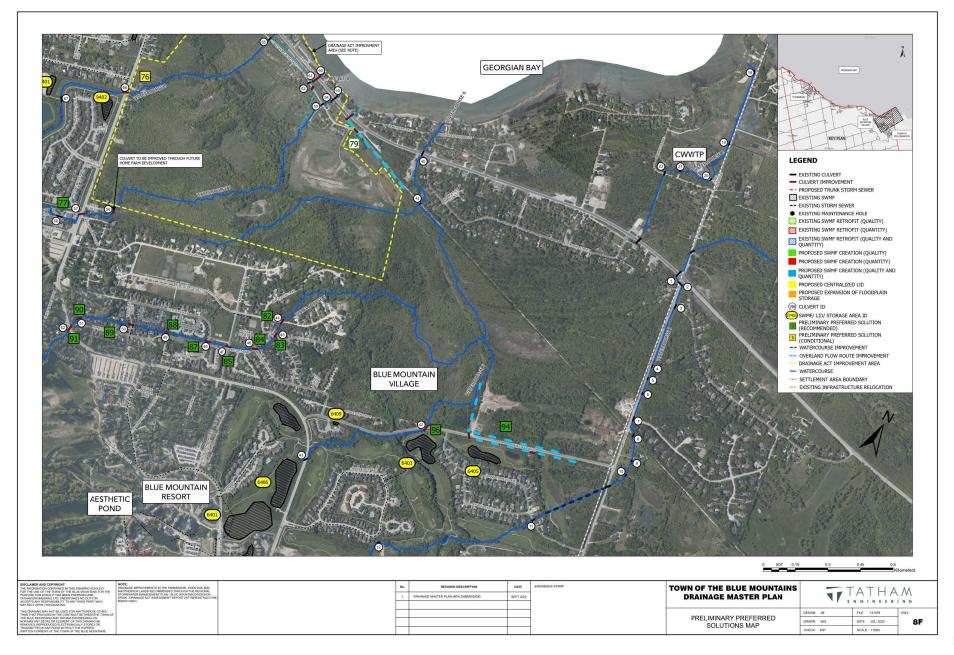




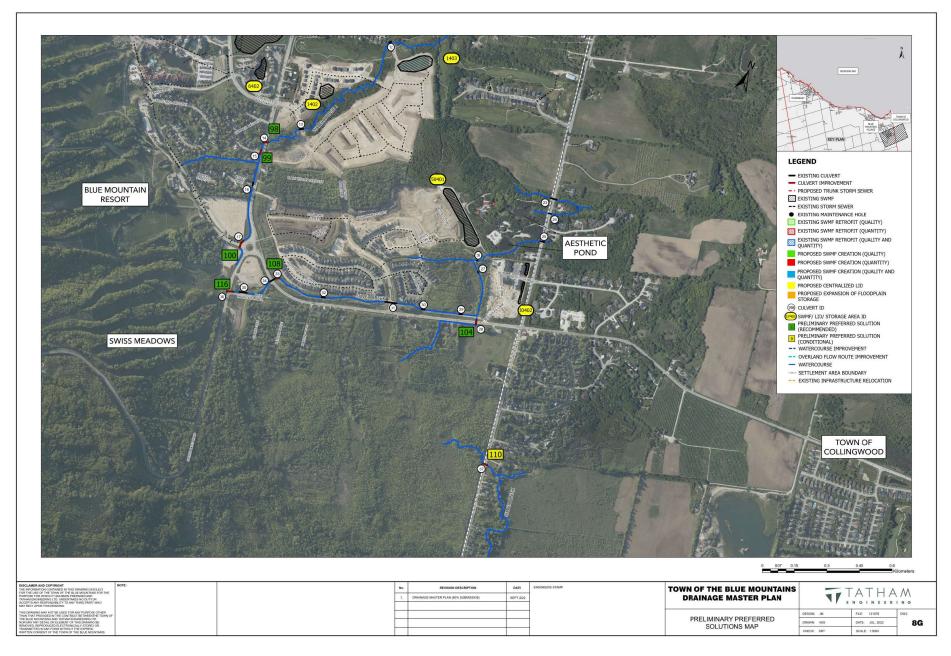




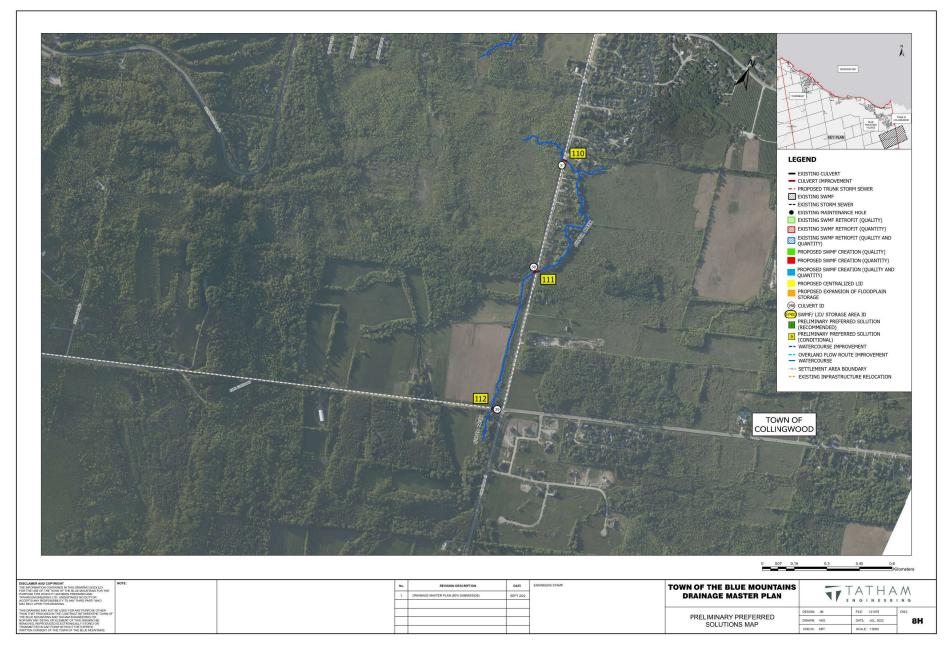




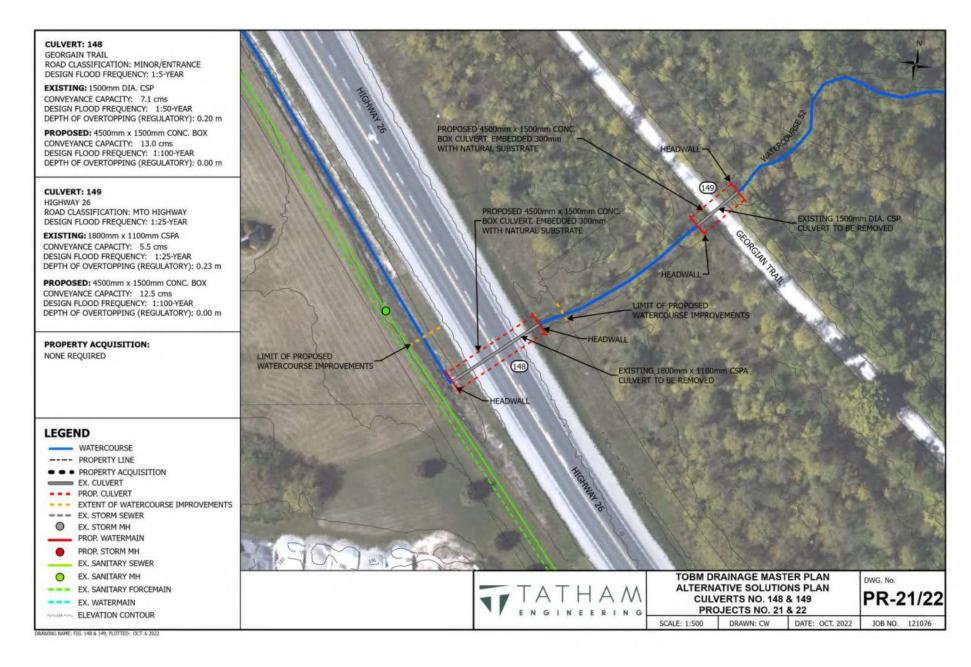












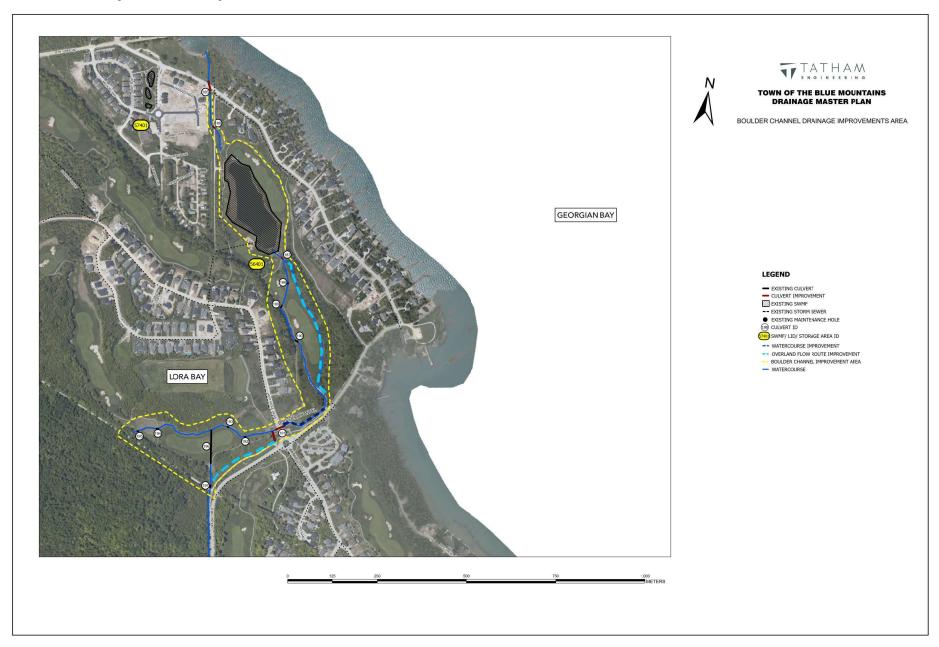


Summary of individual drainage projects included in preliminary preferred solution.

Alternative	No. Individual Projects Evaluated	No. Individual Projects Recommended	Estimated Cost		
Alternative 2A - Retrofit/New Stormwater Management Facilities for Quantity Control	1	0	-		
Alternative 2B - Retrofit/New Stormwater Management Facilities for Quality Control	7	1	\$1,980,000		
Alternative 2C - Expansion of Existing Floodplain Storage Areas	5	0	-		
Alternative 3A - Minor Drainage System Improvements	2	2	\$1,830,000		
Alternative 3B – Culvert/Watercourse Major Drainage System Improvements	97	74	\$79,930,000		
Alternative 3C - Trunk Storm Sewer/Overland Flow Route Major Drainage System Improvements	5	2	\$3,720,000		
Total Preferred Solution	117	79	\$87,460,000		
Total Cost to TOBM			\$56,815,000		
Replacement Cost (TOBM Only)			\$19,641,000		
Cost Increase for Improvements			\$37,174,000		

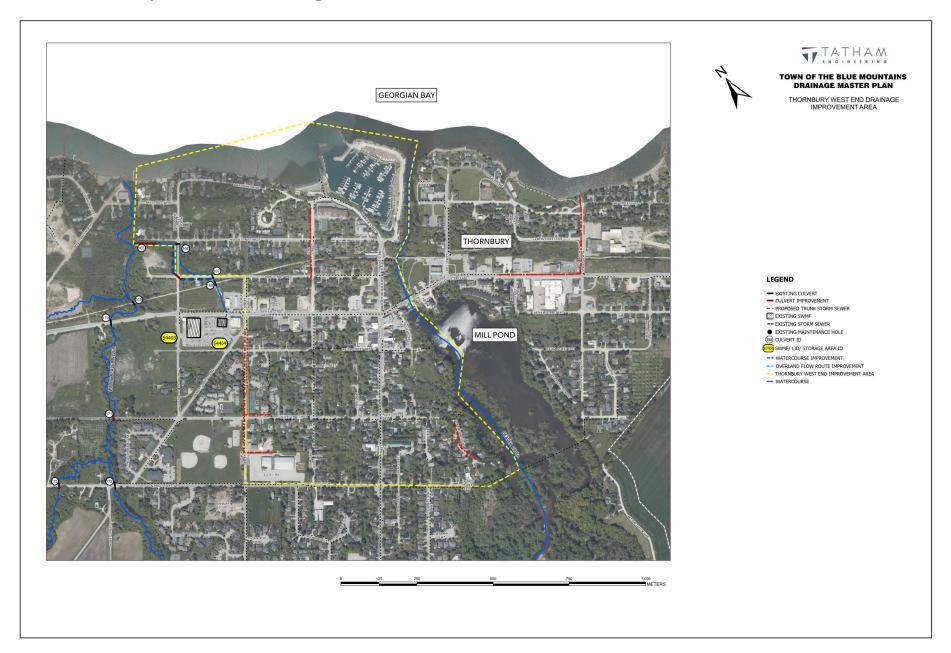


Lora Bay Development Area



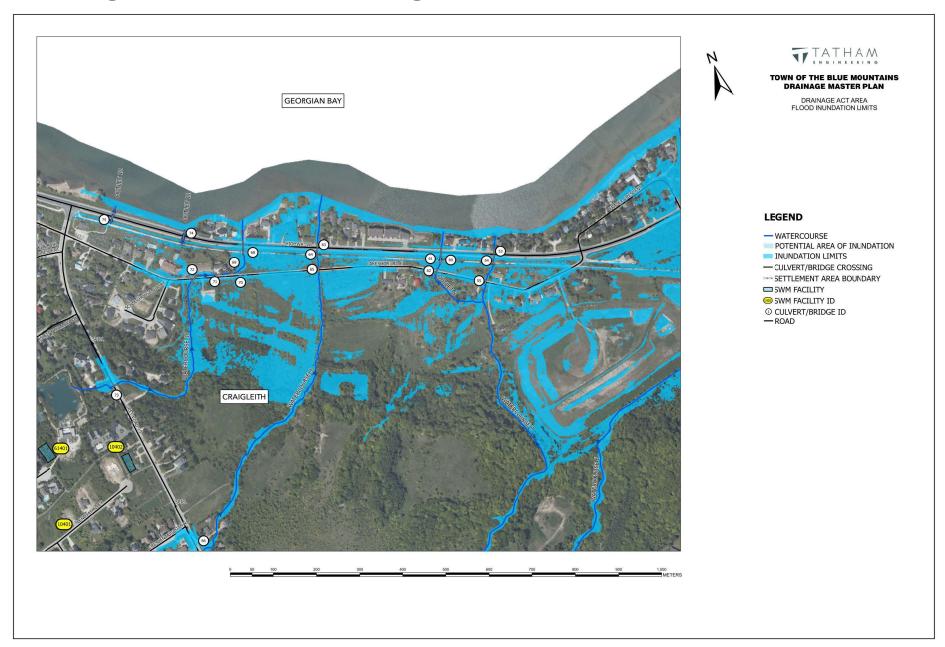


Thornbury West Drainage Master Plan Area



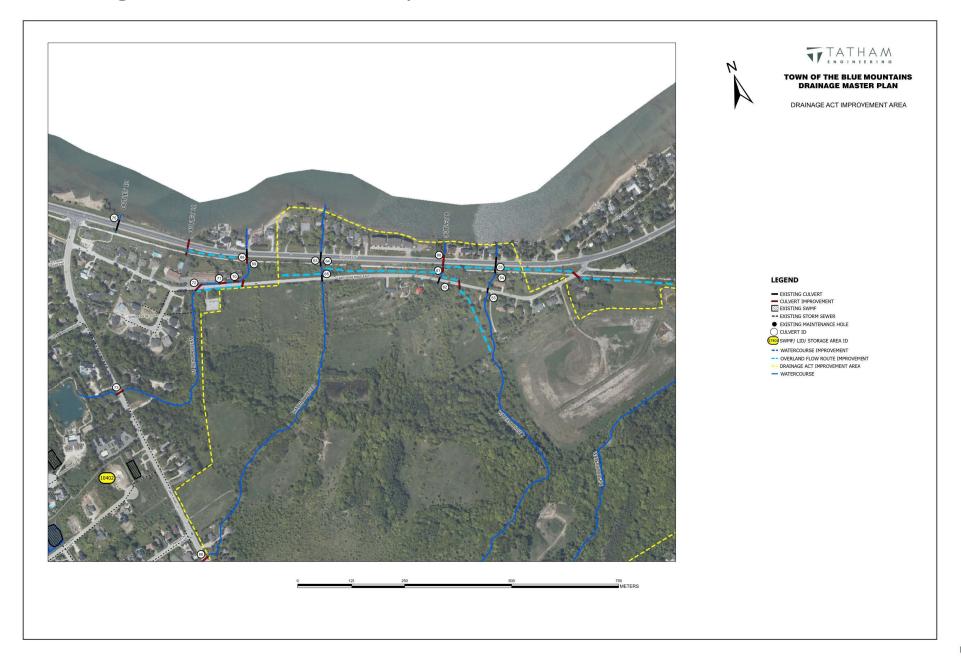


Drainage Act Assessment – Background





Drainage Act Assessment – Proposed Solution





Drainage Act Assessment – Current Status & Next Steps

Previously

- September 27, 2022 Council received the staff report regarding "Regional Stormwater Management Plan Drainage Act Assessment - Other Agency Approvals and Draft By-Law"
- October 11, 2022 Council enacted provisional By-Law 2022-74 being a by-law to provide for the maintenance and extension of the Blue Mountain Outlet Diversion Drain and Ford Outlet Drain in the Town of The Blue Mountains. 30 day appeal period ended November 10, 2022.
- November 1, 2022 Council directed Town staff to broaden the consultation regarding the Regional Stormwater Management Plan Drainage Act Assessment to properties within the watershed of Watercourses #6, #7, #8, #9 and #10 and report back to the Committee of the Whole with comments received.

Now

- The consultation required by the Drainage Act requisition, barring appeals by assessed parties to the Court of Revision following passage of the Bylaw, has been concluded. As requested by Council, additional public consultation is being completed as part of this PIC as Staff hope to gain an understanding as to whether the owners of 60% of lands on Watercourse 6, and/or Watercourse 10, would be interested in petitioning (and paying for) drainage improvements on Watercourses 6 and 10 respectively. Although there was an opportunity for these landowners to add their names to the Developer's current petition, this PIC provides an additional opportunity to assess the appetite to undertake additional works under the Drainage Act.
- Town staff will be available to answer questions and receive comments regarding the works proposed under Drainage Act at the Virtual and In-Person Q&A Sessions. Written comments can be submitted to Brian Worsley at the address below.



Brian Worsley, P.Eng., MSc., PMP Manager, Development Engineering Town of The Blue Mountains 32 Mill Street The Blue Mountains, ON NOH 2P0

Tel: (519) 599-3131 ext. 224

Email: bworsley@thebluemountains.ca





Q&A Sessions, Comments and Next Steps

Virtual & In-Person Q&A Sessions

Following this public information centre, virtual and in-person Public Meeting Q&A sessions are being held to allow participants to ask questions and provide comments regarding this study.

The virtual Q&A session will be held on Wednesday March 29, 2023 from 5:00 to 7:00 p.m.

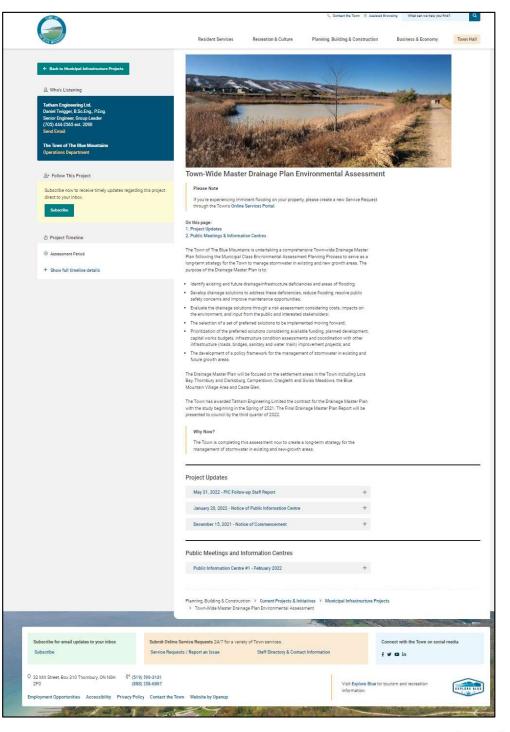
The in-person Q&A Session will be held at Town Hall on Thursday, March 30, 2023 from 5:00 to 7:00 p.m.

To register for the virtual Q&A session, visit the project webpage on the Town's website or email Kevin Verkindt, Senior Infrastructure Capital Project Coordinator for the Town

Town Contact

Kevin Verkindt, C.E.T,

Senior Infrastructure Capital Project Coordinator
Town of The Blue Mountains
32 Mill Street
The Blue Mountains, ON NOH 2P0
Tel: (519) 599-3131 ext. 304
Email: icpc@thebluemountains.ca





Comments

We encourage the public to provide comments and concerns regarding this project. Public comments will be received between March 6 and March 31, 2023.

Written comments can be submitted to Daniel Twigger and/or Kevin Verkindt at the addresses below or by completing the comment sheet available on the project website.

Project Contact

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

lown Contact

Kevin Verkindt, C.E.T,

Senior Infrastructure Capital Project Coordinator Town of The Blue Mountains 32 Mill Street The Blue Mountains, ON NOH 2P0 Tel: (519) 599-3131 ext. 304

Email: icpc@thebluemountains.ca



TOWN OF THE BLUE MOUNTAINS MASTER DRAINAGE PLAN COMMENT SHEET

Personal information on this form is collected under the authority of the Environmental Assessment Act, Chap. E18, Section 7, and will be used in the development of the Municipal Class EA. Questions about this collection should be directed to Kevin Verkindt, Senior Infrastructure Capital Project Coordinator at the Town of The Blue Mountains, by calling (519-599-3131 ext. 304) or emailing Kevin (icpc@thebluemountains.ca).

NAME OF RESPONDENT:

REPRESENTING (Agency, Municipality, Property Owner, Tenant, etc.):

ADDRESS (Including Postal Code & Telephone Number):

| Street Address: Unit/Apt:

| Postal Code: Telephone Number: | Optional Virtual Public Meeting Q&A: No I did not or will not attend attend (registration required)

| Optional Open-House Public Meeting Q&A: No I did not or will not attend attend (registration required) | Yes I have attended or will attend (registration required) |

The Opportunity Statement, which sets the framework for this Class EA study, is as follows:

"Identify drainage deficiencies and recommend solutions to improve the storm drainage systems across the Town of The Blue Mountains in consideration of impacts to the natural, social, physical, cultural and economic environments."

A PDF version of the Drainage Master Plan 60% Report for Public Information Centre 2 is available online on the Town of The Blue Mountains web page at the following link: https://www.thebluemountains.ca/MasterDrainagePlanEA. A paper copy of the report is available for review upon request.

Following a comprehensive review of all the alternatives, receipt of comments from interested stakeholders and agencies, and completion of the improvement alternatives evaluation the preliminary preferred solution has been selected and is presented in the PIC material.

The preliminary preferred alternative drainage solutions will be further evaluated and finalized following Public Information Center #2 in consideration of the feedback received on these comment sheets and as part of the Public Information Centre process. Questions, prompts, and spaces for comments regarding the preliminary preferred drainage solutions are provided on the following pages.



Collection of Information

Comments and information regarding this project are being collected to ensure a comprehensive approach to the study. These comments will be recorded for reference throughout the project and, with the exception of personal information, may be used in the final project 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 of information should be directed to Kevin Verkindt, Senior Infrastructure Capital Project Coordinator by calling (519) 599-3131 ext. 304 or emailing icpc@thebluemountains.ca

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

Town Contact

Kevin Verkindt, C.E.T,

Senior Infrastructure Capital Project Coordinator Town of The Blue Mountains 32 Mill Street The Blue Mountains, ON NOH 2P0 Tel: (519) 599-3131 ext. 304

Email: icpc@thebluemountains.ca



Next Steps

Following PIC 2 and the Q&A Sessions:

- We will review public, agency & stakeholder comments;
- We will update and finalize the evaluation of the alternative solutions based on comments received;
- The preferred alternative solution will be selected;
- An implementation plan will be prepared to prioritize and plan the projects recommended as part of the preferred solution;
- Development Framework and Policy Framework will be prepared, and a review will be completed to identify potential sources of funding for drainage projects;
- We will prepare the Class EA report for Council review/endorsement;
- The final report will be placed on public record for the 30-day review period; and
- We will issue a Notice of Study Completion

Implementation Plan

- The individual drainage projects will be evaluated in order of importance through an impact and risk assessment.
- Projects will be prioritized based on impact and risk as well as in consideration of the Town's current capital plan.

Development Framework

- A framework for the stormwater management approvals process for new development will be produced.
- Recommendations will be included for use of the Drainage Master Plan models in future development applications.

Policy Framework

 A policy framework for stormwater management in future growth areas will be developed for incorporation into the Town's Official Plan.



How to Participate

Please ensure you:

- Register for the virtual Public Meeting Q&A session if you wish to participate;
- Attend the In-Person Q&A Session if you wish to participate;
- Fill out and submit a PIC2 Comment Sheet with your 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.

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

Project Contact

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

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Thank you for your interest in this study!