

Public Information Centre No. 2

Thornbury West Drainage Master Plan Municipal Class Environmental Assessment



September 13 and 15, 2018



C.C. Tatham & Associates Ltd.
Consulting Engineers
Collingwood Bracebridge Orillia Barrie Ottawa



Welcome

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Public Information Centre No. 2 for the Thornbury West Drainage Master Plan Municipal Class EA

The purpose of this Public Information Centre is to:

- Consult with the public and affected parties
- Present the various drainage improvement alternatives evaluated
- Present the preliminary preferred alternative solution
- Elicit feedback and comment from the public

Public & Stakeholders should:

- Sign the registry
- Review the presentation material
- Ask questions of the Town and/or Consultant
- Submit a comment sheet providing your comments and feedback regarding the preliminary preferred alternative solution(s)
- All comments are to be submitted to the Town by September 28, 2018

Public Information Centre

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Comments and information regarding this project are being collected to assist the project team in meeting the requirements of the Municipal Class EA process. 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 part of the public record.

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

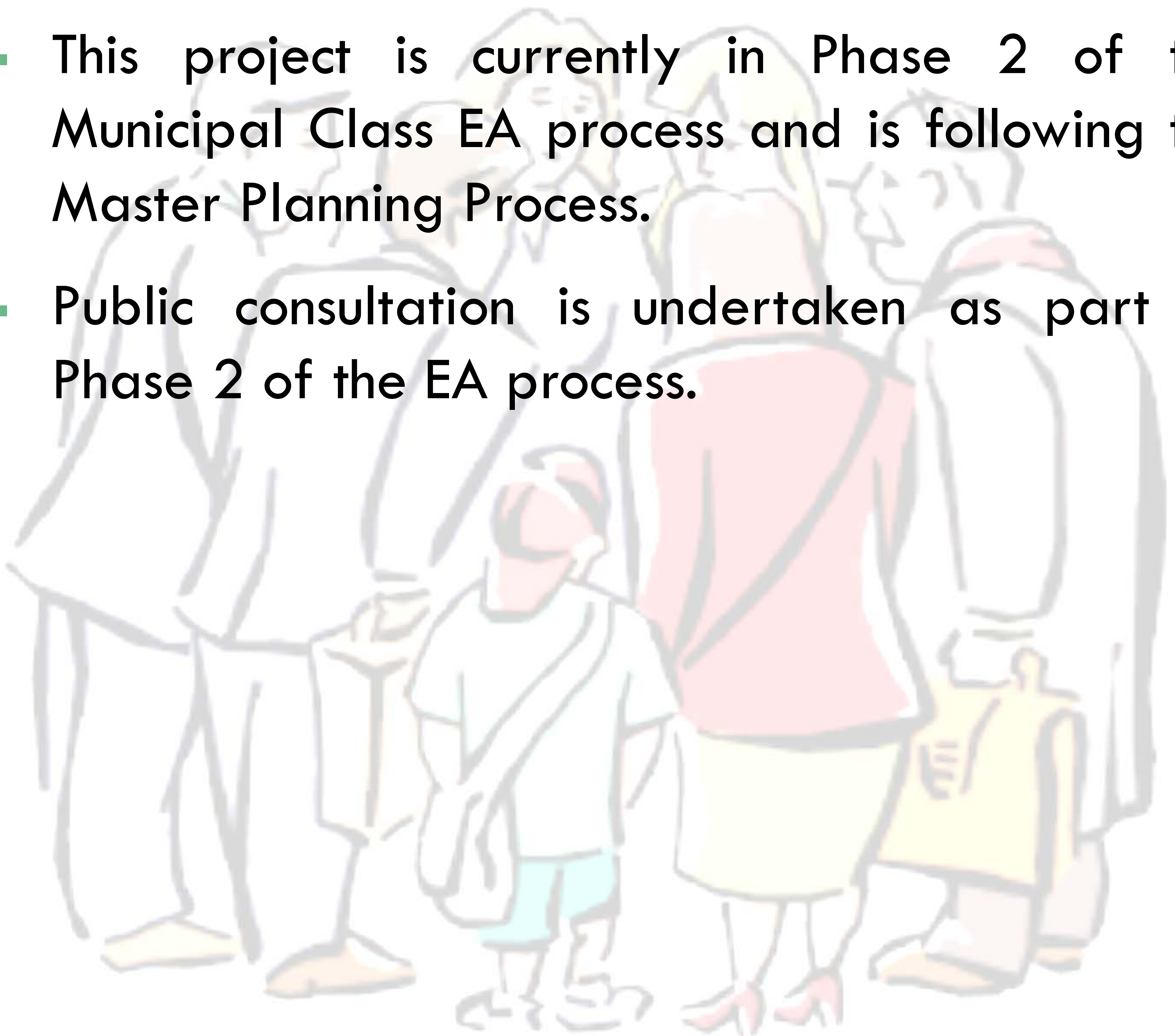
Contacts

Michael Campbell, C.E.T.
Construction Coordinator
The Corporation of The Town of The Blue Mountains
32 Mill Street, P.O. Box 310
Thornbury, ON, N0H 2P0
Tel: (519) 599-3131
Fax: (519) 599-7723
e: cc@thebluemountains.ca

Municipal Class EA

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- This Drainage Master Plan is a broad level assessment to assist in the development of preferred alternative solution(s) to address the drainage deficiencies in the Study Area.
- This project is currently in Phase 2 of the Municipal Class EA process and is following the Master Planning Process.
- Public consultation is undertaken as part of Phase 2 of the EA process.



Study Area



Improvement Alternatives

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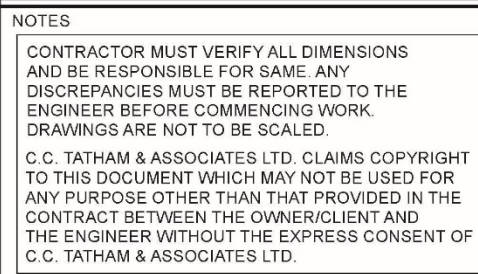
The Alternative Improvement Options being considered as part of this Drainage Master Plan are:

- Alternative 1 – Do Nothing (This alternative is being considered to provide a benchmark to gauge the physical, natural, social, cultural, and economic implications of the other alternatives)
- Alternative 2 – Flow Reduction / Water Quality Improvement Opportunities
- Alternative 3 – Minor Drainage System Conveyance Capacity Improvements
- Alternative 4 – Major Drainage System Conveyance Capacity Improvements

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No.	POLYCLONE	DATE	INITIAL

**THORNBURY WEST
DRAINAGE MASTER PLAN
TOWN OF THE BLUE MOUNTAINS**

PRELIMINARY PREFERRED ALTERNATIVE SOLUTIONS



C.C. Tatham & Associates Ltd.
Consulting Engineers

Collingwood Bracebridge Orillia Barrie Ottawa

SCALE: 1:3,000		JOB NO. 117092
DESIGN: ASB	CHECKED: DRT	DWG. FIG-C
DRAWN: WHG	DRAWN: JUNE 2018	

Improvement Alternative Evaluation

The improvement alternatives have been evaluated with respect to their impact on the physical, natural, social, cultural and economic environments.

Results of the Improvement Option Evaluation

Not Recommended	<ul style="list-style-type: none">Alternative 1 – “Do Nothing”Alternative 2B – Lot Level LID’sAlternative 2C – Linear LID’s
Recommended	<ul style="list-style-type: none">Alternative 3A – Minor Drainage System ImprovementsAlternative 3B – Eliminate Municipal Drainage from Private PropertyAlternative 3C – Service Areas Absent of Minor Drainage SystemsAlternative 4 – Major Drainage System Improvements
Recommended for Further Evaluation	<ul style="list-style-type: none">Alternative 2A – SWMF’sAlternative 2D – Centralized LID’sAlternative 2E – Mechanical Devices

Improvement Alternative Evaluation

Further evaluation was completed for Alternatives 2A, 2D and 2E to establish the preferred flow reduction / water quality improvement option for the study area.

- Mechanical devices (Alternative 2E) are the preferred water quality solution for the Study Area.
- Stormwater management facilities (Alternative 2A) and Centralized Low Impact Development measures (Alternative 2D) are not recommended for implementation

Preliminary Preferred Alternative Solution Concept Costing

Preliminary Preferred Alternative Solution Concept Costing

Alternative	Description	Cost
2E	Mechanical Devices (OGS)	\$1,643,000
3A	Minor Drainage System Improvements	\$2,417,000
3B	Elimination of Municipal Drainage Entering Private Property	\$298,000
3C	Service areas Absent of Minor Drainage Systems	\$826,000
4	Major Drainage System Conveyance Capacity Improvements	\$2,779,000
	Total	\$7,963,000

- Funding from Development Charges, direct Developer Contributions, and/or taxation dependent on location and project circumstances
- Works to generally occur in conjunction with other Town works

Preliminary Preferred Alternative Solution



Areas of Notable Drainage Deficiencies



Preliminary Preferred Alternative Solution Concept Costing

Preliminary Preferred Alternative Solution Concept Costing

Area	Option(s)	Cost
1	1A – New Channel South of King St. 2B – Outlet to Little Beaver River 3C – Victoria St. and Arthur St. OGS	\$1,108,000
2	1 – Alice St. Diversion and Victoria St. Trunk Storm Sewer	\$321,000
3	Alfred St. and Moore St. Storm Sewer Improvements	\$216,000
	Total (3 Areas)	\$1,645,000
	Total (Study Area)	\$7,963,000

- Area 1 and 2 works are expected to proceed as part of a growth related project, while Area 3 will proceed as a standalone project

Preliminary Preferred Alternative Solutions



Next Steps

Following Public Information Centre No. 2, the following tasks will be completed in accordance with the Municipal Class EA process:

- Review comments received from the public, Town staff and interested stakeholders
- Revise the alternative improvement evaluation according to comments received
- Finalize the selection of the preferred alternative solution(s)
- Recommend the preferred alternative solution(s) to Council for adoption following the completion of the Project File
- Issue a Notice of Study Completion upon completion of the project which is expected December 14, 2018

Public Information Centre

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Before you leave:

- Have your questions been addressed?
- Have you signed the registry?
- Have you completed a comment sheet?

All comment sheets are to be submitted to the Town by September 28, 2018.

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

For additional Information visit the Town's website at www.thebluemountains.ca or contact:

Contacts

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Construction Coordinator

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