

Appendix J: PIC Materials, Notices, and Public Comments

Whiskey Creek Drainage Improvements at Minet's Point Schedule "B" Municipal Class Environmental Assessment Notice of Study Commencement

The Study

The Corporation of the City of Barrie has initiated a Municipal Class Environmental Assessment (EA) to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. This reach of Whiskey Creek, including both public and private property within the Whiskey Creek floodplain, experiences regular flooding and as such, this EA will assess solutions to mitigate flooding between The Boulevard and Kempenfelt Bay. Alternative solutions may include changes to the existing road, creek culverts, and other infrastructure in the area to mitigate flooding downstream of The Boulevard to Kempenfelt Bay. The Study Area encompasses the Whiskey Creek floodplain from the outlet at Kempenfelt Bay to just upstream of The Boulevard. The limits of the study are depicted on the figure below.

The Process

The Study is being completed in accordance with the planning and design process for Schedule "B" projects outlined in the Municipal Engineers Association Municipal Class Environmental Assessment Manual (October 2000, amended in 2007, 2011 and 2015). Alternative solutions will be developed and evaluated based on their natural, physical, social, cultural, and economic impacts and the opportunities and constraints of the project.

There will be an opportunity for the public and stakeholders to review the alternatives under consideration, and to provide input and comments. This is anticipated to be held during winter 2021, and the format will be dependent on the status of the COVID-19 pandemic restrictions in place at the time. Additional notices of public engagement will be circulated to those requesting to be informed. Project information can also be viewed on the City's website at www.barrie.ca (under Environmental Assessment (EA) Studies) as it becomes available. Upon completion of the Study, a Final Class EA Report documenting the Preferred Solution will be prepared for public/agency review and comment.

The City has retained the consulting firm Tatham Engineering Limited to complete this Study. Further details on the Municipal Class EA process are available from the consultants' office.

Comments Invited

Comments or requests to receive direct notification of future project activities should be submitted to: Nathanael Couperus, M.A.Sc., P.Eng.

Senior Infrastructure Planning Technologist

The Corporation of the City of Barrie

70 Collier Street, Barrie, Ontario L4M 4T5

Tel: (705) 739-4220, x4303

Email: Nathanael.Couperus@barrie.ca



File D03-WH2 / 120114

October 19, 2020

Fish and Fish Habitat Protection Program
Fisheries and Oceans Canada
867 Lakeshore Road
Burlington, ON L7S 1A1

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

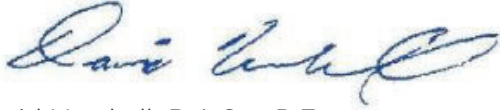
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



Whiskey Creek Drainage Improvements at Minet's Point Schedule "B" Municipal Class Environmental Assessment Notice of Study Commencement

The Study

The Corporation of the City of Barrie has initiated a Municipal Class Environmental Assessment (EA) to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. This reach of Whiskey Creek, including both public and private property within the Whiskey Creek floodplain, experiences regular flooding and as such, this EA will assess solutions to mitigate flooding between The Boulevard and Kempenfelt Bay. Alternative solutions may include changes to the existing road, creek culverts, and other infrastructure in the area to mitigate flooding downstream of The Boulevard to Kempenfelt Bay. The Study Area encompasses the Whiskey Creek floodplain from the outlet at Kempenfelt Bay to just upstream of The Boulevard. The limits of the study are depicted on the figure below.

The Process

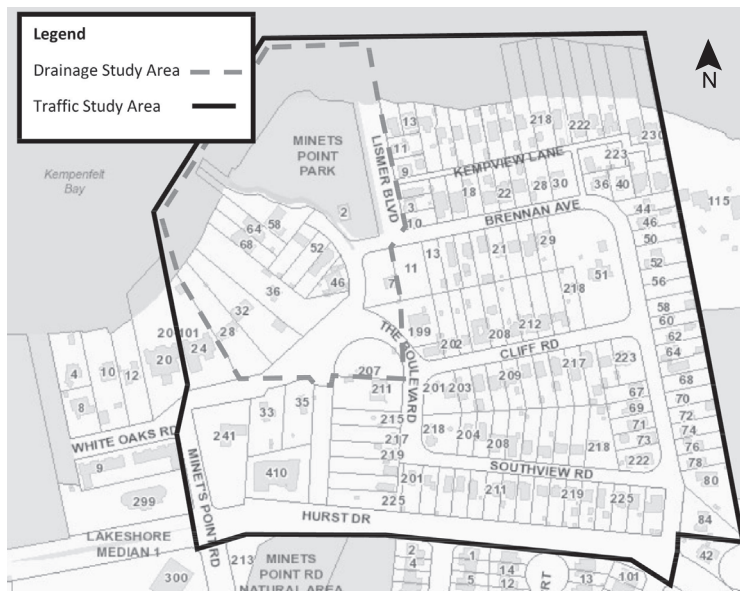
The Study is being completed in accordance with the planning and design process for Schedule "B" projects outlined in the Municipal Engineers Association Municipal Class Environmental Assessment Manual (October 2000, amended in 2007, 2011 and 2015). Alternative solutions will be developed and evaluated based on their natural, physical, social, cultural, and economic impacts and the opportunities and constraints of the project.

There will be an opportunity for the public and stakeholders to review the alternatives under consideration, and to provide input and comments. This is anticipated to be held during winter 2021, and the format will be dependent on the status of the COVID-19 pandemic restrictions in place at the time. Additional notices of public engagement will be circulated to those requesting to be informed. Project information can also be viewed on the City's website at www.barrie.ca (under Environmental Assessment (EA) Studies) as it becomes available. Upon completion of the Study, a Final Class EA Report documenting the Preferred Solution will be prepared for public/agency review and comment.

The City has retained the consulting firm Tatham Engineering Limited to complete this Study. Further details on the Municipal Class EA process are available from the consultants' office.

Comments Invited

Comments or requests to receive direct notification of future project activities should be submitted to:
Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca



PUBLIC HANDOUT

MUNICIPAL CLASS EA PROCESS

CITY OF BARRIE

WHISKEY CREEK DRAINAGE / IMPROVEMENTS

AT MINET'S POINT

The City of Barrie is undertaking the Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment following the Municipal Class EA Process.

The purpose of this handout is twofold:

- to provide an overview of the Municipal Class Environmental Assessment Process; and
- to explain the role of the public in the process and opportunities to get involved.

ONTARIO ENVIRONMENTAL ASSESSMENT ACT

The purpose of the Ontario Environmental Assessment Act (EA Act) is "the betterment of the people of the whole or any part of Ontario by providing for the protection, conservation and wise management in Ontario of the environment". Environment is applied broadly and includes the natural, social, cultural, built and economic components.

Environmental Assessment (EA) is a decision-making process to promote good environmental assessment planning. The key features are:

- Early consultation;
- Consideration of a reasonable range of alternatives;
- Assessment of environmental impacts;
- Systematic evaluation of alternatives; and
- Clear documentation and traceable decision making.

There are 2 basic types of EA processes:

- | | |
|----------------------|---|
| Individual EA | <ul style="list-style-type: none">• requires Terms of Reference approved by the Ministry of the Environment (MOE)• requires that EA report be submitted to MOE for review and approval by the province |
| Class EA | <ul style="list-style-type: none">• project is approved subject to compliance with an approved Class EA process for a group or "class" of projects |

MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

The Municipal Class EA is an approved Class EA process which applies to municipal infrastructure projects including roads, water, wastewater, and transit.

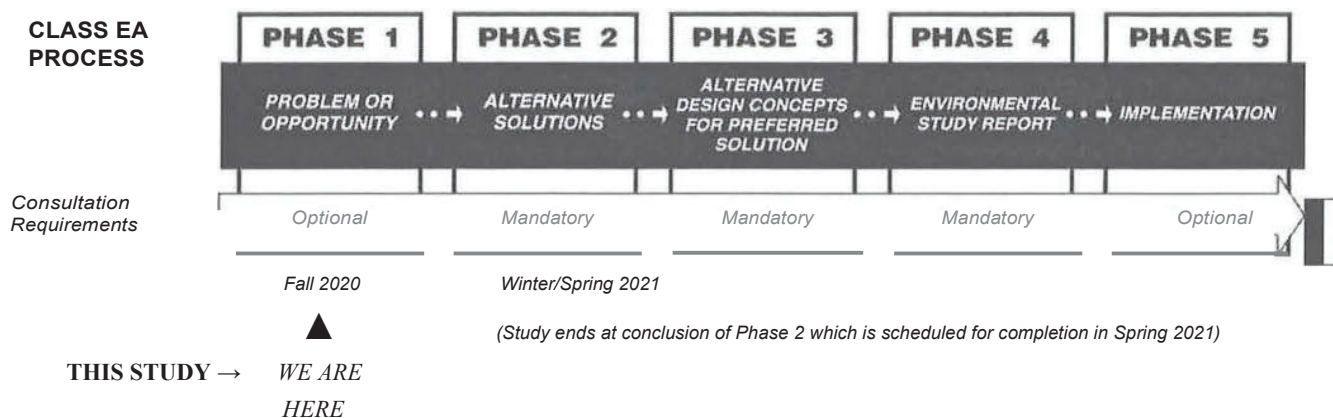
There are four types of projects or activities:

- | | |
|---------------|--|
| Schedule 'A' | <ul style="list-style-type: none">• municipal maintenance, operational and emergency activities• pre-approved therefore municipality can proceed without further approval under the EA Act |
| Schedule 'A+' | <ul style="list-style-type: none">• pre-approved, however the public is to be advised prior to project implementation |
| Schedule 'B' | <ul style="list-style-type: none">• projects with the potential for some adverse environmental effects• these are approved subject to a screening process including directly affected public and agencies |
| Schedule 'C' | <ul style="list-style-type: none">• projects with the potential for significant environmental effects which must proceed under the planning and documentation procedures outlined in the Municipal Class EA document |

PUBLIC INVOLVEMENT FOR THIS STUDY

The role of those members of the public with an interest in a study is to provide background information to advise the proponent of their support and concerns, and to review and provide comments and input about the study findings. The Whiskey Creek Drainage Improvements at Minet's Point Class EA will proceed to the conclusion of Phase 2 of the Class EA process and fulfil the investigation, consultation and documentation requirements for Schedule 'B' projects. A simplified breakdown of the Municipal Class EA Process and public consultation is provided below.

The opportunity to get involved will usually be done through notices in the newspaper. This is, however, the minimum and on many projects, there will be additional opportunities to attend public information centres, community workshops and/or municipal council meetings. Members of the public with an interest in the Study should ask to be placed on the study mailing list to receive notification of the consultation opportunities for a specific project.



To provide your comments or to be placed on the study mailing list, please contact on of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220
Email: Nathanael.Couperus@barrie.ca

Change in Project Status – Appeal Provision

It is recommended that all stakeholders (including the proponent, public and review agencies) work together to determine the preferred means of addressing a problem or opportunity. If you have any concerns, you should discuss them with the proponent and try to resolve them. In the event that there are major issues which cannot be resolved, you may request the Minister of the Environment by order to require a proponent to comply with Part II of the EA Act before proceeding with a proposed undertaking which has been subject to Class EA requirements. This is called a Part II Order. The Minister will make one of the following decisions:

1. Deny the request
2. Refer the matter to mediation
3. Require the proponent to comply with Part II of the EA Act by one of the following:
 - Submitting the ESR for government review and approval, or,
 - Completing an individual EA for government review and approval, or
 - Preparing a Terms of Reference governing the preparation of an Individual EA.

Additional information regarding this appeal process may be obtained from Tatham Engineering Limited on behalf of the City of Barrie. All stakeholders are urged to try to resolve issues since it is preferable for them to be resolved by the municipality in which a project is located, rather than at the provincial level.

File D03-WH2 / 120114

October 19, 2020

Lisa Myslicki
Environmental Advisor
Infrastructure Ontario via PDF E-Mail only
1 Dundas St. W., Suite 2000,
Toronto, ON M5G2L5
Lisa.Myslicki@infrastructureontario.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Ms. Myslicki:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

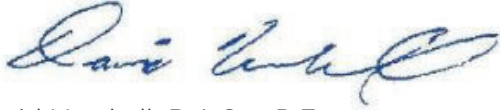
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Central Municipal Services Office
Ministry of Municipal Affairs and Housing
777 Bay Street
13th Floor
Toronto, ON M5G 2E5

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

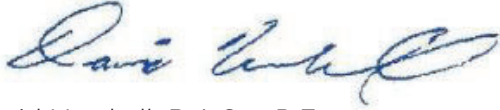
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Cindy Hood
Barrie District Manager
Ministry of the Environment, Conservation and Parks
54 Cedar Pointe Drive
Unit 1203
Barrie, ON L4N 5R7

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Ms. Hood:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

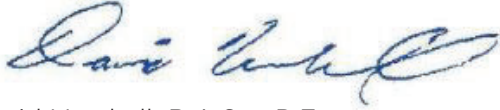
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Olga Garces
Area Manager York & Simcoe
Ministry of Transportation
Central Region
159 Sir William Hearst Avenue
4th Floor
North York, ON M3M 0B7

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Ms. Garces:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

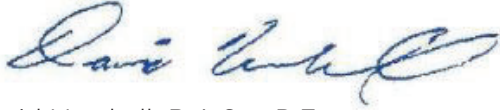
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy:	Nathanael Couperus	City of Barrie	Nathanael.Couperus@barrie.ca
	John Van Voorst	Ministry of Transportation	john.vanvoorst@ontario.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Ontario Clean Water Agency
30 Woodland Drive
Wasaga Beach, ON L9Z 2V4

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,

Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Melinda Bessey
Director, Planning and Engineering
Lake Simcoe Region Conservation Authority
m.bessey@lsrca.on.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Ms. Bessey:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

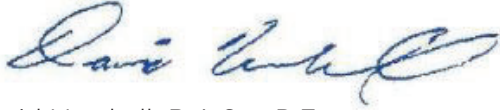
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:


Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie
 Kenneth Cheney LSRCA

Nathanael.Couperus@barrie.ca
k.cheney@lsrca.on.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Ken Mott
District Planner
Ministry of Natural Resources and Forestry
Midhurst District
2284 Nursery Road
Midhurst, ON L9X 1N8
Ken.mott@ontario.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Mr. Mott:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

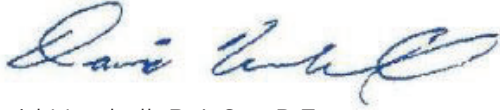
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chris Rosati
Manager, Central Region
Ministry of Tourism, Culture & Sport
400 University Avenue
2nd Floor
Toronto, ON M5G 1S5
christopher.rosati@ontario.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Mr. Rosati:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

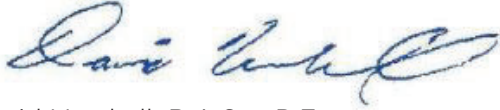
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

President (Building Committee)
Georgian Bay Métis Council
355 Cranston Crescent
P.O. Box 4
Midland, ON L4R 4K6

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Moose Deer Point First Nations
PO Box 119
3719 Twelve Mile Bay Road
Mactier, ON P0C 1H0

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

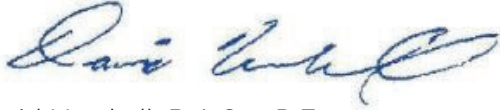
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Wahta Mohawk First Nation
PO Box 260
2664 Muskoka Road 38
Bala, ON P0C 1A0

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

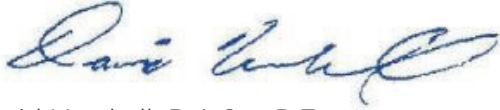
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Alderville First Nation
11696 Second Line
P.O. Box 46
Alderville, ON K0K 2X0
dmowat@alderville.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Executive Director
Algonquins of Ontario Consultation Office
31 Riverside Drive, Suite 101
Pembroke, ON K8A 8R6
jstavinga@tanakiwin.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

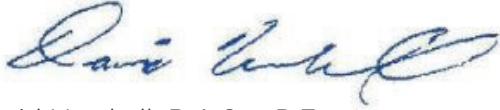
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Beausoleil First Nation (Christian Island)
11 Ogemaa Milkaan
Christian Island, ON L9M 0A9
bfncchief@chimnissing.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

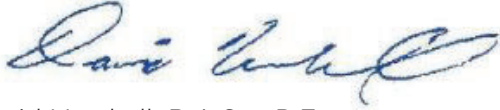
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Chippewas of Georgina Island First Nation
7751 Black River Road
RR#2, P.O. Box N-13
Sutton West, ON L0E 1R0
donna.bigcanoe@georginaisland.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

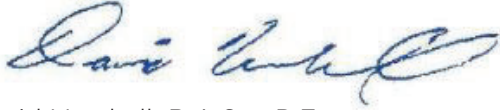
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Chippewas of Mnjikaning (Rama)
5884 Rama Road
Suite 200
Rama, ON L0K 1T0
chief@ramafirstnation.ca and nicoleg@ramafirstnation.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

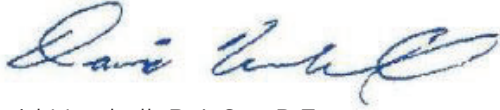
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Curve Lake First Nation
Government Services Building
22 Winookeedaa Road
Curve Lake, ON K0L 1R0
juliek@curvelake.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

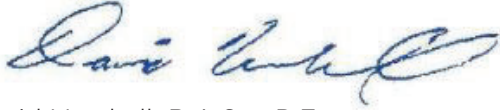
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:


Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Hiawatha First Nation
123 Paudash Street
Hiawatha, ON K0L 2G0
chiefcowie@hiawathafn.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

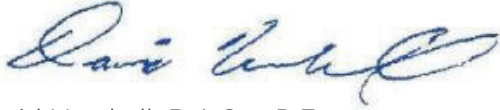
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

President
Metis Nation of Ontario
Suite 1100
66 Slater Street
Ottawa, ON K1P 5H1
margaretf@metisnation.org

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear President:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

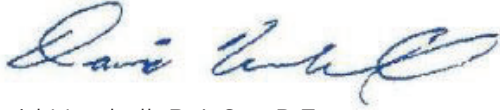
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Métis Consultation Unit
Métis Nation of Ontario Head Office
Suite 1100
66 Slater Street
Ottawa, ON K1P 5H1
consultations@metisnation.org

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

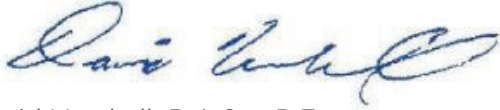
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Mississauga's of Scugog Island First Nation
22521 Island Road RR #5
Port Perry, ON L9L 1B6
klarocca@scugogfirstnation.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

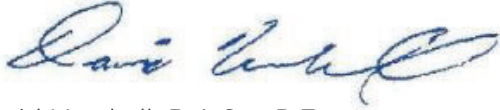
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Moon River Métis Council
B26360 Cedarhurst Beach Road
RR#1
Beaverton, ON L0K 1A0
moonrivermetisCouncil@outlook.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

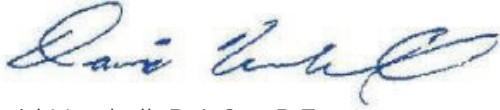
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Barrister & Solicitor
William Treaties First Nation
8 Creswick Court
Barrie, ON L4M 2J7
k.a.sandy-mckenzie@rogers.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

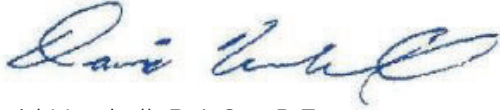
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Conseil de la Nation Huronne-Wendat
255, Place Chef Michel Laveau
Wendake, Quebec G0A 4V0

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

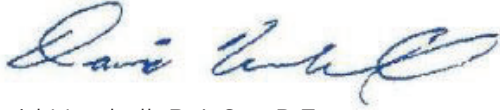
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Chippewas of Mnjikaning (Rama)
nicoleg@ramafirstnation.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

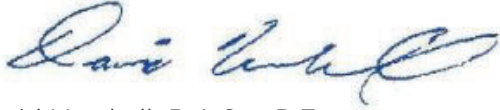
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Environmental Assessment Coordination
Indigenous and Northern Affairs Canada
aadnc.infopubs.aandc@canada.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Sir/Madam:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

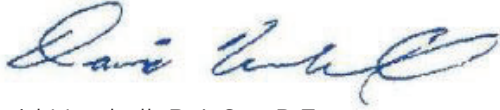
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Deborah Korolnek
General Manager Engineering, Planning & Environmental Division
Simcoe County Admin. Centre
1110 Highway 26
Midhurst, ON L9X 1N6
Debbie.korolnek@simcoe.ca

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Ms. Korolnek:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Sandy Tuckey
Executive Director
Canadian Home Builders Association-Simcoe County
P.O. Box 305
Barrie ON L4M 4T5
office@simcoehomebuilders.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Mr. Tuckey:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

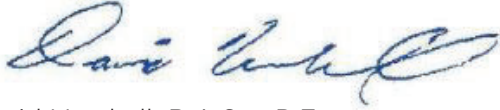
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Anton Pojasok
Vice President, Professional Services
Ontario Realty Corporation
1 Dundas Street West
Suite 2000
Toronto, ON M5G 2L5

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Anton Pojasok:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

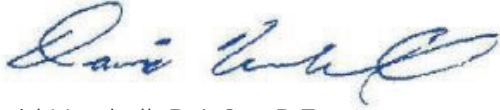
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

c/o Esther Tunstall
Lawton Realities Group
Barrie Land Developer's Association pdf via email only
67 Barre Drive
Barrie, ON L4N 7P1
esthertunstall@rogers.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Ms. Tunstall:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

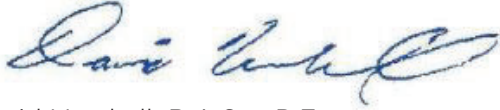
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx



File D03-WH2 / 120114

October 19, 2020

Chief
Chippewas of Georgina Island First Nation
7751 Black River Road
RR#2, P.O. Box N-13
Sutton West, ON L0E 1R0
donna.bigcanoe@georginaisland.com

Re: Whiskey Creek at Minet's Point – Schedule "B" Municipal Class EA, City of Barrie
Notice of Study Commencement

Dear Chief:

Tatham Engineering Ltd. has been retained by the City of Barrie to complete a Schedule "B" Municipal Class Environmental Assessment (EA) under the Municipal Class Environmental Assessment Planning Process. The purpose of this letter is to notify you of the study commencement, provide background on the purpose and objectives of the study and confirm your preferred level of involvement.

This study is being completed to assess alternative solutions to reduce the frequency of flooding in Whiskey Creek at Minet's Point. The study area is Whiskey Creek from The Boulevard to Kempenfelt Bay (Lake Simcoe) as identified on the Notice of Study Commencement enclosed.

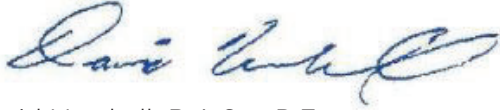
Consultation with the public and regulatory agencies is a key component of this study. It provides an opportunity for affected or interested stakeholders to exchange information and influence decision-making. This process ensures that potential environmental issues and specific community characteristics and needs are considered. This letter is a key first step in the process. Included with this letter is a breakdown of the Municipal Class EA process and the formal "Notice of Study Commencement."

We shall ensure you are circulated on all notices and supporting studies related to this study unless you indicate otherwise. If you would like to provide initial comments or if you require further information regarding this study, please contact one of the following:

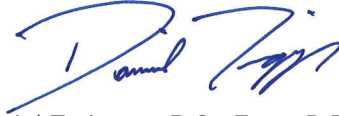
Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Email: dtwigger@tathameng.com

Nathanael Couperus, M.A.Sc., P.Eng.
Senior Infrastructure Planning Technologist
The Corporation of the City of Barrie
70 Collier Street, P.O. Box 400
Barrie, Ontario L4M 4T5
Tel: (705) 739-4220, x4303
Email: Nathanael.Couperus@barrie.ca

Yours truly,
Tatham Engineering Limited



David Marshall, B.A.Sc., P.Eng.
Intermediate Engineer
DAM/DRT: rlh
Encl.



Daniel Twigger, B.Sc.Eng., P.Eng.
Senior Engineer, Group Leader

copy: Nathanael Couperus City of Barrie

Nathanael.Couperus@barrie.ca

I:\2020 Projects\120114 - Whiskey Creek Drainage Improvements\Documents\Notice of Study Commencement\L - Notice of Study Commencement.docx





Whiskey Creek Drainage Improvements at Minet's Point

Municipal Class Environmental Assessment Update

Virtual Public Meeting Presentation



February 3, 2021



Whiskey Creek Drainage Improvements at Minet's Point

The City of Barrie has retained Tatham Engineering Limited to undertake the Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment.

This Class EA is planning level assessment detailing the drainage deficiencies identified in the study area, improvement options considered to address these deficiencies, and the evaluation of these alternatives to assist in the development of a preferred alternative solution(s) to be implemented moving forward.

The project team responsible for input and preparation of the Whiskey Creek Drainage Improvements at Minet's Point is comprised of the following:

- City of Barrie;
- Tatham Engineering Limited – Engineering;
- Lake Simcoe Region Conservation Authority;
- RiverStone Environmental Solutions – Natural Heritage;
- Water's Edge Environmental Solutions Team – Fluvial Geomorphology; and
- Archeoworks – Archaeology.

contacts

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

Senior Engineer, Group Leader

Tatham Engineering Limited

115 Sandford Fleming Drive, Suite 200

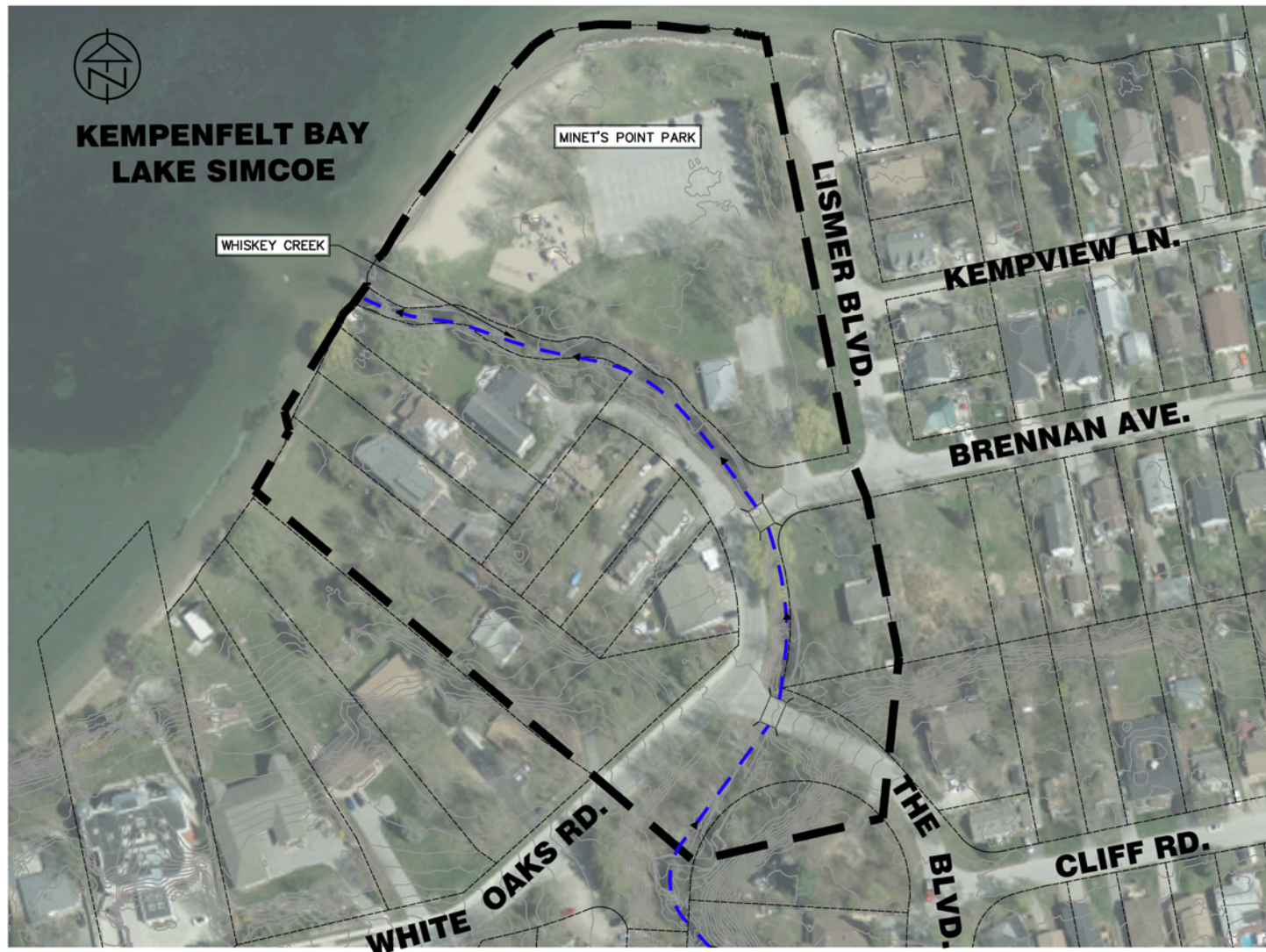
Collingwood, ON L9Y 5A6

Tel: (705) 444-2565 ext. 2090

Email: dtwigger@tathameng.com



Study Area, Objectives and Purpose



LEGEND	
-----	EX. PROPERTY LINE
-----	STUDY AREA
- 250.00 -	EX CONTOUR



WHISKEY CREEK DRAINAGE IMPROVEMENTS

FIGURE 1 – STUDY AREA LOCATION PLAN

DWG. No.

FIG.1

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

JOB NO. 120114

Lake Simcoe Water Levels

Lake Simcoe Water Levels



Each year questions about Lake Simcoe water levels come up. Who controls them? Why are they so low? Why are they so high? To name a few. The fact is Lake Simcoe water levels are not "controlled". They are "managed" with the understanding that climate conditions can be unpredictable at times. Here are some facts that provide a better understanding of Lake Simcoe water levels and how they are managed.

To begin, Lake Simcoe is part of a much larger system known as the Trent-Severn Waterway (TSW). Ultimately water levels in Lake Simcoe are managed by Parks Canada, the Federal Government, via the Trent-Severn Waterway. Management of this system is extremely complex and considers all the varying needs and impacts that each decision or action will have on the rest of the system.

Depending on your relationship with the lake you, may have a different perspective on water levels. However, we do need to remember that Lake Simcoe is only one part of a much larger system. A balance must be achieved between managing water quantity to prevent flooding of property and the importance of water for recreational use and maintaining fish and wildlife habitats.

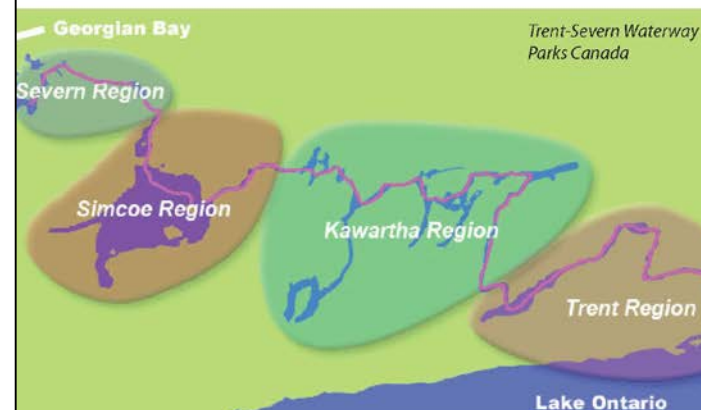
Quick Facts: Trent-Severn Waterway

The Trent-Severn Waterway (TSW) is a National Historic Site which offers a navigable route for recreation and commerce.

- It is 386 km long, 18,600 square kilometers of interconnected lakes, rivers and channels connecting Lake Ontario at Trenton to Georgian Bay at Port Severn.
- Nearly 50 communities are located on its shores.
- Hundreds of thousands of people rely on this waterway for drinking water, flood control, tourism and recreation.
- It provides water for power generation, municipal water supplies, and agriculture and supports a tremendous variety of fish and wildlife.

The Trent-Severn Waterway is an important economic, environmental and recreational resource used by thousands of boaters, shoreline residents, businesses and vacationers every year.

For further information please visit:
Parks Canada - Trent-Severn Waterway



Changes in Lake Simcoe Water Levels

Typically Lake Simcoe water levels vary by about 0.4-0.5 metres during any given year. The highest levels usually occur between April and June. As the summer progresses, the levels begin to drop because of increased evaporation and reduced inflows. The lowest levels are reached in late fall and winter.

Why can't the water levels in Lake Simcoe stay higher longer?

Because Lake Simcoe is a part of the larger Trent-Severn Waterway system, actions taken to change the water levels in Lake Simcoe cannot occur without repercussions in other ways and other areas. For example, keeping Lake Simcoe water levels higher into late summer increases the potential of flooding in cottage country the following spring. This is because Lake Simcoe acts as a large storage basin for winter and spring snowfall, melt-water and precipitation. If the lake levels are kept high for too long, essentially there wouldn't be enough room in the lake to hold the water from these natural cycles, which would cause flooding and other environmental issues within the watershed.

Why are Lake Simcoe Water levels lowered in the summer?

The lowering of water levels which occurs every year at the same time is referred to as "drawdown".

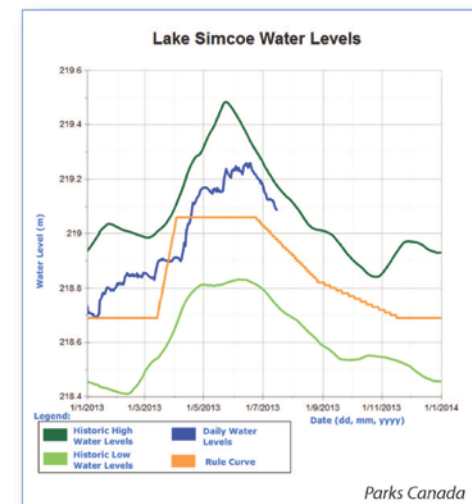
Drawdown begins in the summer because it takes time to gradually reduce the levels in the lake. This needs to take place to make room for the precipitation that happens in the fall, winter and spring. In order to protect against flooding and optimize public safety throughout the interconnected system, the lake is lowered to make room for high inflows that are typical over the non-navigation (off-boating) seasons.

It is important to note that Lake Simcoe water levels do not actually fluctuate all that much (see chart) Historic lows run at 716.5 feet and historic highs run at 720.1 feet. Actual fluctuations over the course of any one year are even smaller.

Lakes in the TSW system are also subject to draw-down. In order to meet the targeted levels this drawdown must begin by mid-summer. What happens in one lake or river impacts rivers and lakes both upstream and downstream.

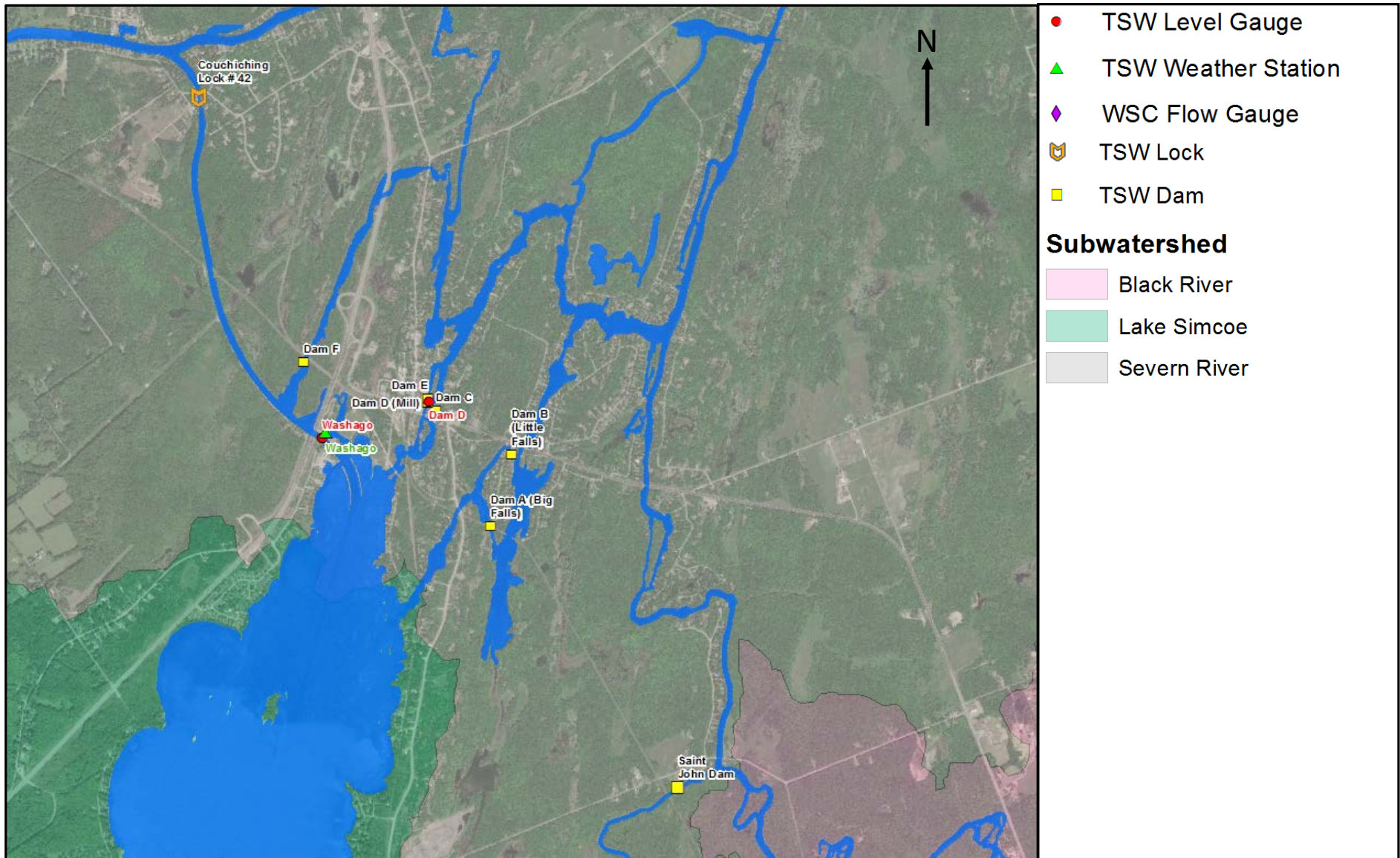
Water levels have an impact on our fish

It is essential to have the TSW systems water levels lowered prior to fish spawning as fish spawn close to the water's edge in shallow areas. If the drawdown is done after eggs have been laid, the eggs may be exposed, dry up and die. This will not only affect fish and their habitat but other wildlife as well.

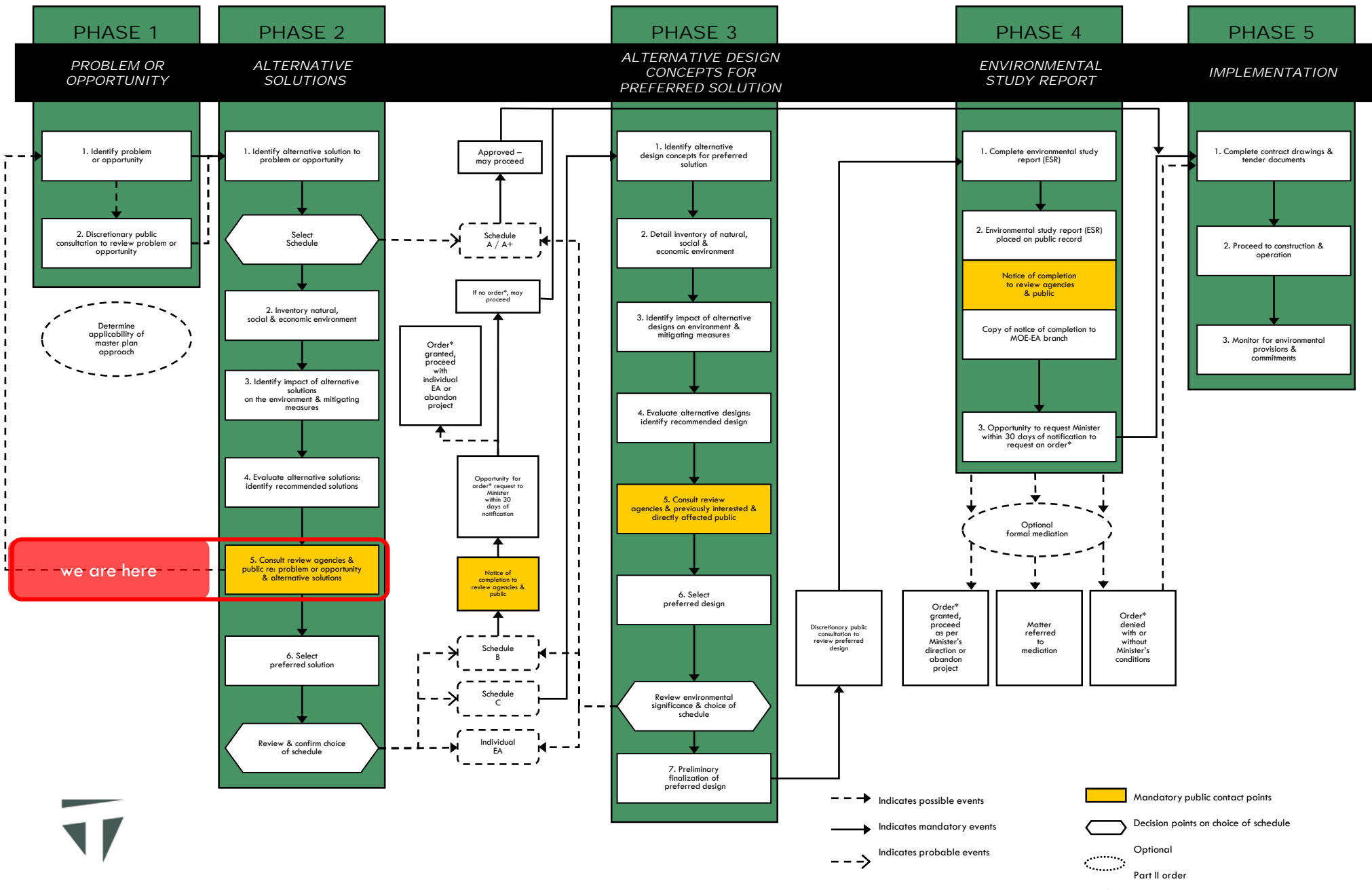


For more information contact LSRCA
Phone: 1-800-465-0437
Visit: www.lsrca.on.ca

Lake Simcoe Water Levels



Municipal Class Environmental Assessment Process





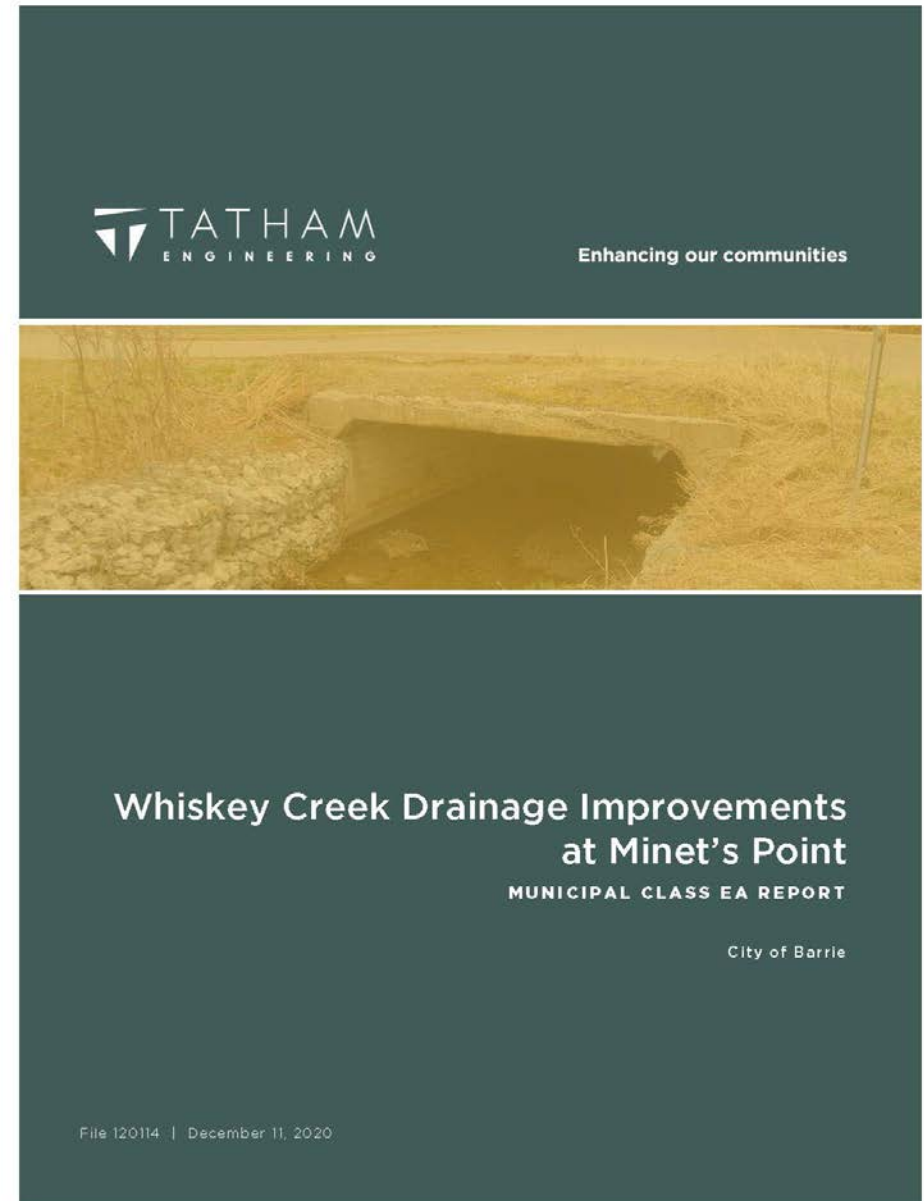
Draft Class EA Report and Supporting Documents

Draft Class EA Report

The Draft Class EA Report has been prepared to summarize the following:

- Problem / Opportunity Statement;
- Project Environments (physical, natural, social, economic and cultural);
- Existing drainage system and its deficiencies;
- Alternative solutions and their assessment and evaluation; and
- Preliminary preferred alternative solution.

The Draft Class EA Report is available on the project website for review. If you require any accommodations to review the Draft Class EA, please contact Lingling He at the City of Barrie at the address provided later in this presentation.

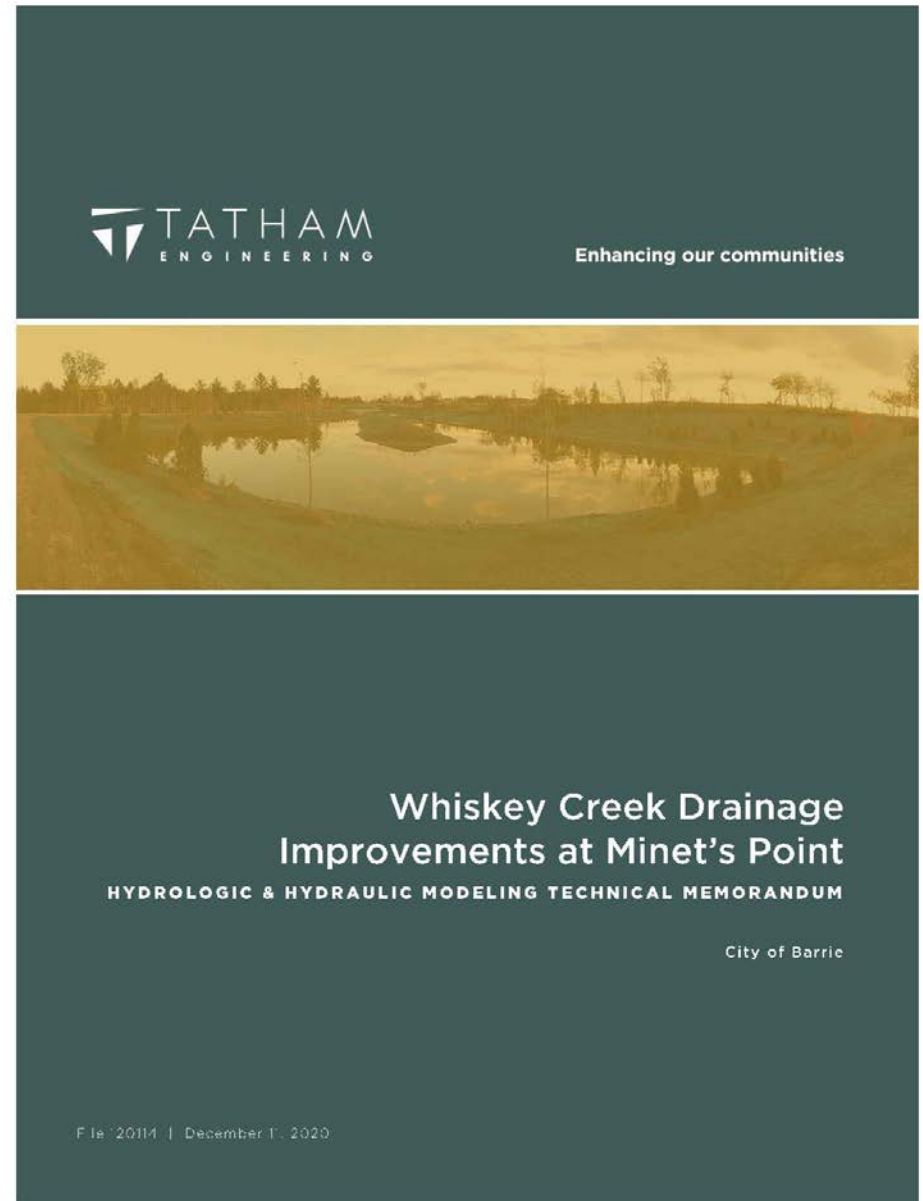


Supporting Documents – Hydrologic / Hydraulic Assessment

The Hydrologic & Hydraulic Modeling Technical Memorandum has been prepared to summarize the following:

- The existing conveyance capacity of Whiskey Creek and the two culvert crossings (Brennan Avenue and The Boulevard), and the extent of flooding in the study area; and
- The reduction in the frequency of flooding resulting from each of the alternative drainage solutions being considered.

The Hydrologic & Hydraulic Modeling Technical Memorandum is included in Appendix A of the Draft Class EA Report for reference.

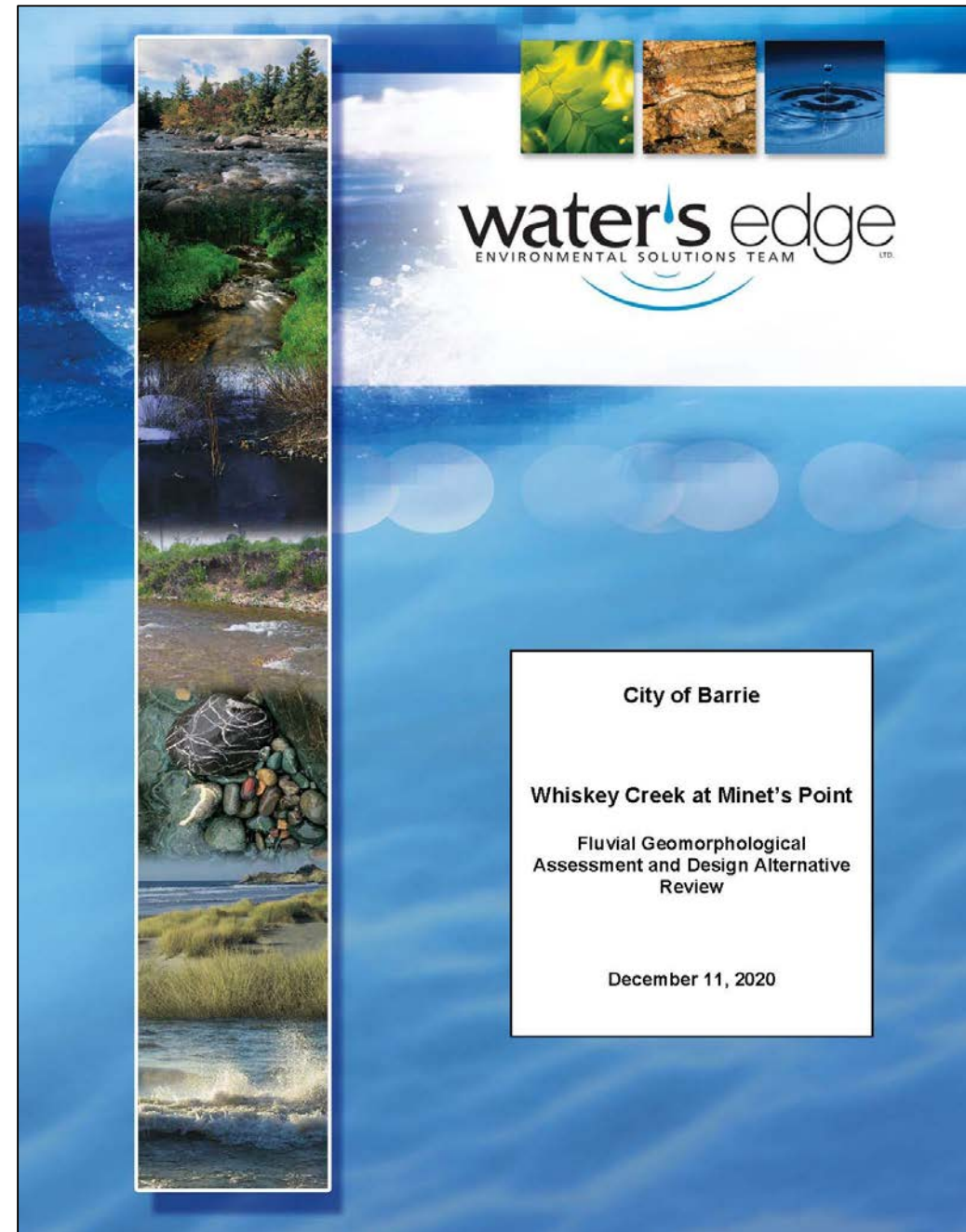


Supporting Documents – Fluvial Geomorphology & Erosion Assessment

The Fluvial Geomorphological Assessment and Design Alternative Review has been prepared to summarize the following:

- The erosion threshold and meander beltwidth of Whiskey Creek through the study area;
- The impact each alternative drainage solution being considered has on erosion; and
- Mitigation measures to address erosion for each alternative drainage solution.

The Fluvial Geomorphological Assessment and Design Alternative Review is included in Appendix B of the Draft Class EA Report for reference.

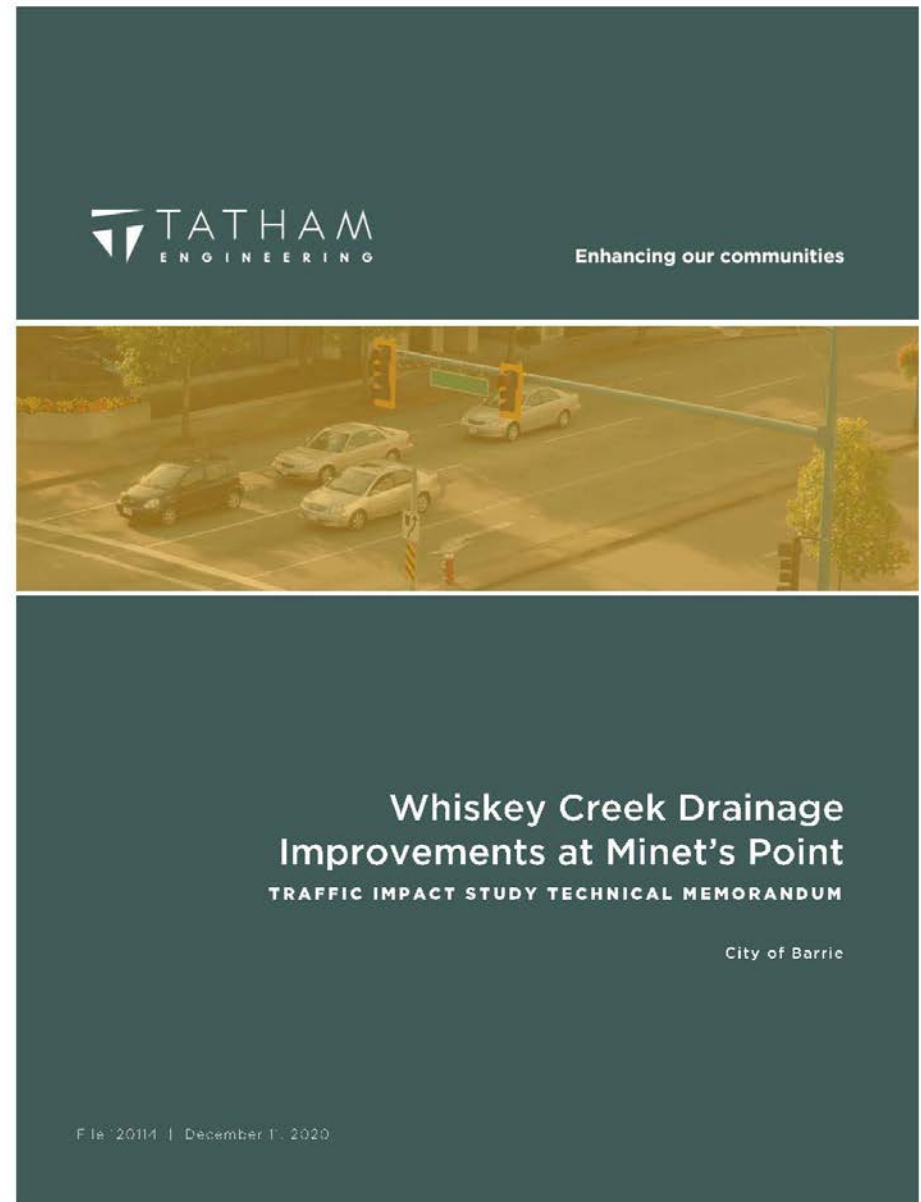


Supporting Documents – Traffic Impact Study

The Traffic Impact Study Technical Memorandum has been prepared to summarize the following:

- The existing road network, traffic volumes, traffic operations and road network improvements required in the overall area; and
- The impact each of the alternative solutions being considered has on the road network, traffic volumes and traffic operations in the overall area.

The Traffic Impact Study Technical Memorandum is included in Appendix C of the Draft Class EA Report for reference.

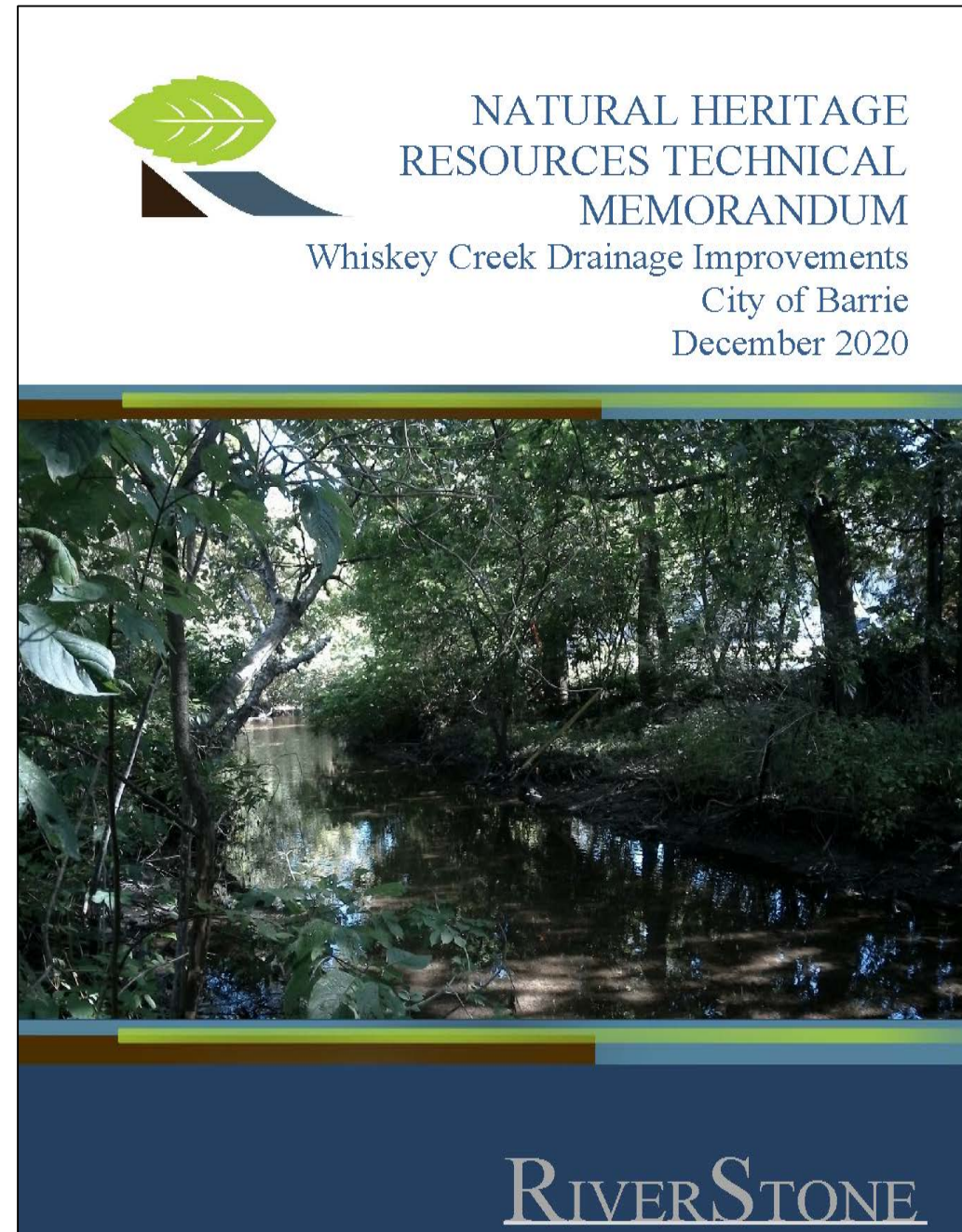


Supporting Documents – Natural Heritage

The Natural Heritage Resource Assessment has been prepared to summarize the following:

- The natural heritage resources, including terrestrial and aquatic resources, within and adjacent to Whiskey Creek through the study area;
- The impact each of the alternative drainage solutions being considered has on the natural environment; and
- Mitigation measures to address the impact each alternative drainage solution has on the natural heritage resources.

The Natural Heritage Resource Assessment is included in Appendix D of the Draft Class EA Report for reference.



Supporting Documents – Stage 1 Archaeological Assessment

The Stage 1 Archaeological Assessment has been prepared to summarize the following:

- The areas of archaeological potential in the study area;
- The potential impact each alternative solution being considered has on archaeological resources in the study area; and
- The Stage 2 Archaeological Assessment requirements associated with each alternative solution being considered.

The Stage 1 AA is included in Appendix E of the Draft Class EA Report for reference.

ARCHEOWORKS INC.

**Stage 1 Archaeological Assessment for the
Municipal Class Environmental Assessment for the
Whiskey Creek Drainage Improvements at Minet's Point
Within Part of Lot 11, Concession 14
Geographic Townships of Innisfil
In the Former County of Simcoe
Now the City of Barrie
Ontario**

**Project #: 080-BA2744-20
Licensee (#): Kassandra Aldridge (P439)
PIF#: P439-0106-2020**

Original Report

October 28, 2020

**Presented to:
Tatham Engineering Limited
115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario
L6Y 5A6
T: 705.444.2565**

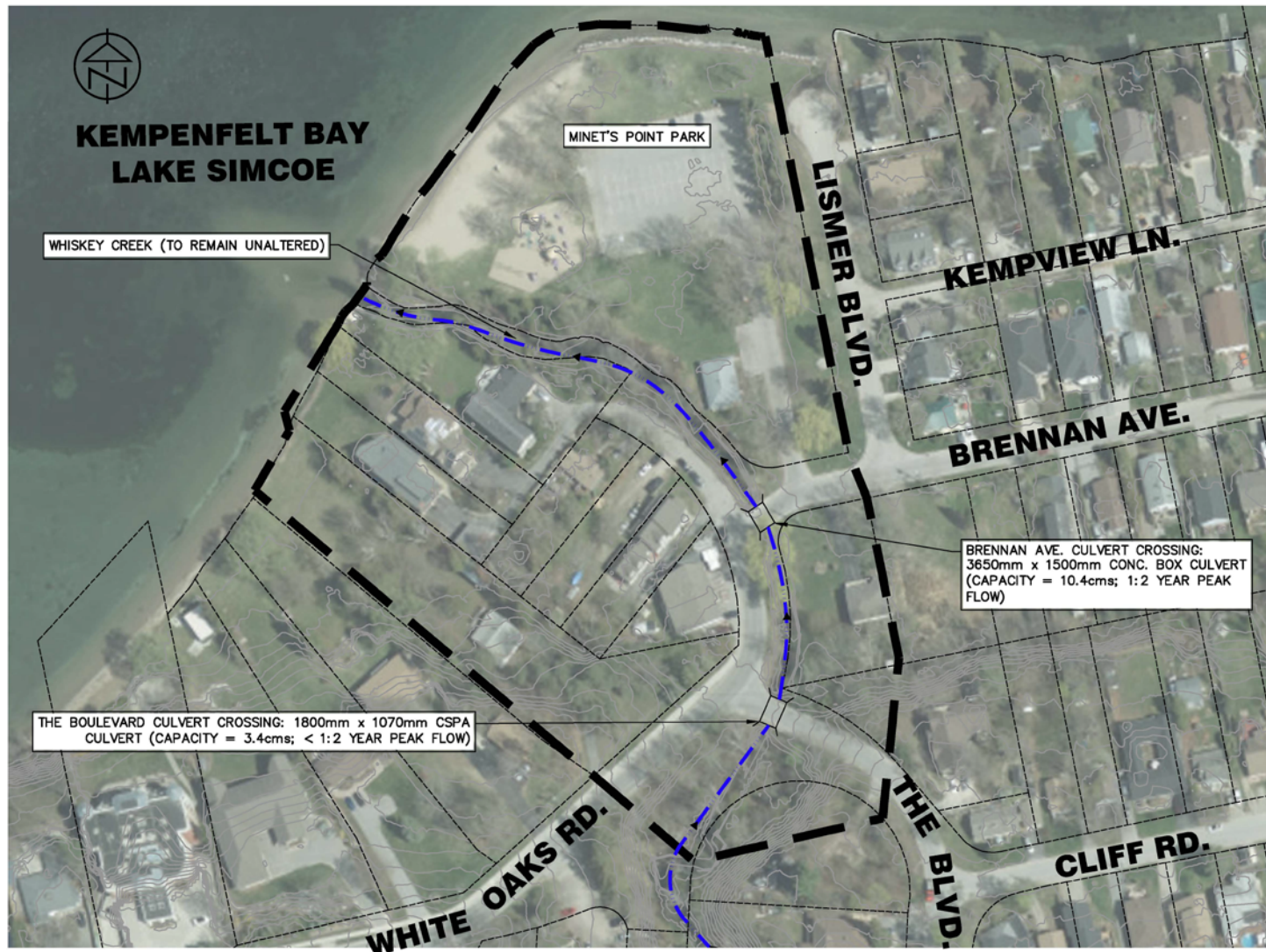
**Prepared by:
Archeoworks Inc.
16715-12 Yonge Street, Suite 1029
Newmarket, Ontario
L3X 1X4
T: 416.676.5597
F: 647.436.1938**





Alternative Solutions

Alternative Solutions: Existing Conditions (Alternative 1)



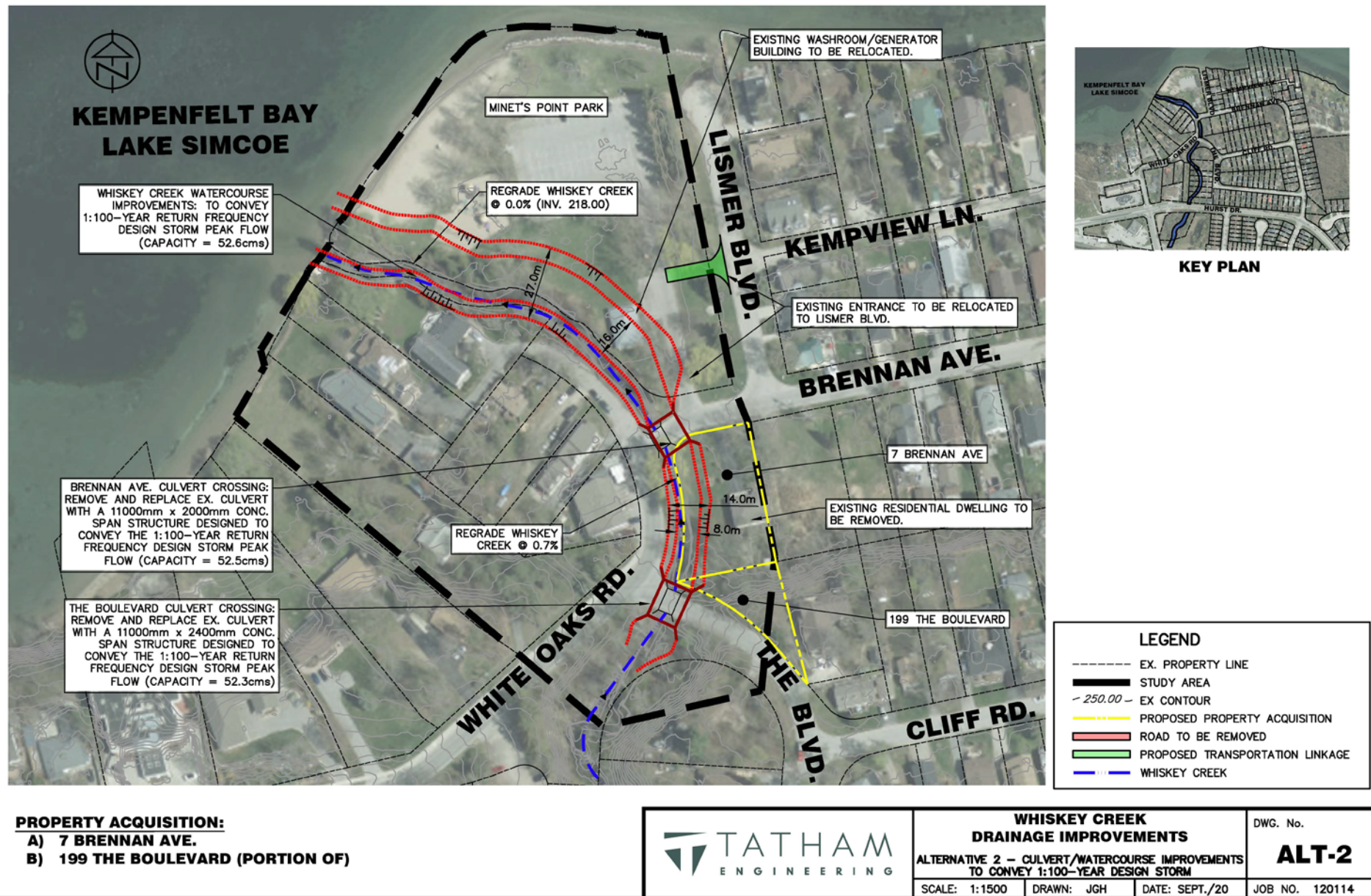
LEGEND	
---	EX. PROPERTY LINE
---	STUDY AREA
- 250.00 -	EX CONTOUR
---	PROPOSED PROPERTY ACQUISITION
---	ROAD TO BE REMOVED
---	PROPOSED TRANSPORTATION LINKAGE
---	WHISKEY CREEK



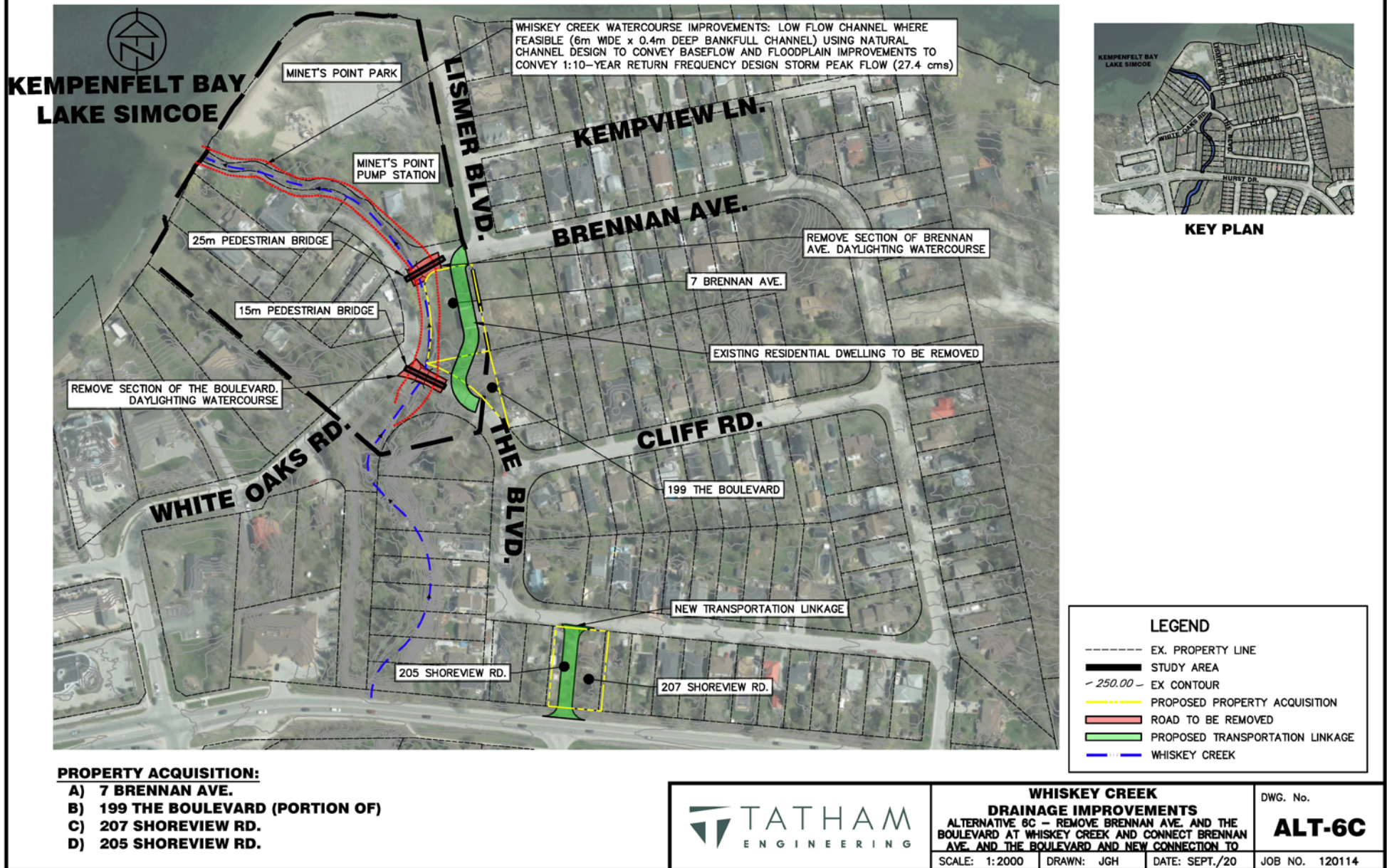
WHISKEY CREEK DRAINAGE IMPROVEMENTS	
ALTERNATIVE 1 – DO NOTHING ("EXISTING CONDITIONS")	
SCALE: 1:1500	DRAWN: JGH
DATE: SEPT./20	JOB NO. 120114

DWG. No.
ALT-1

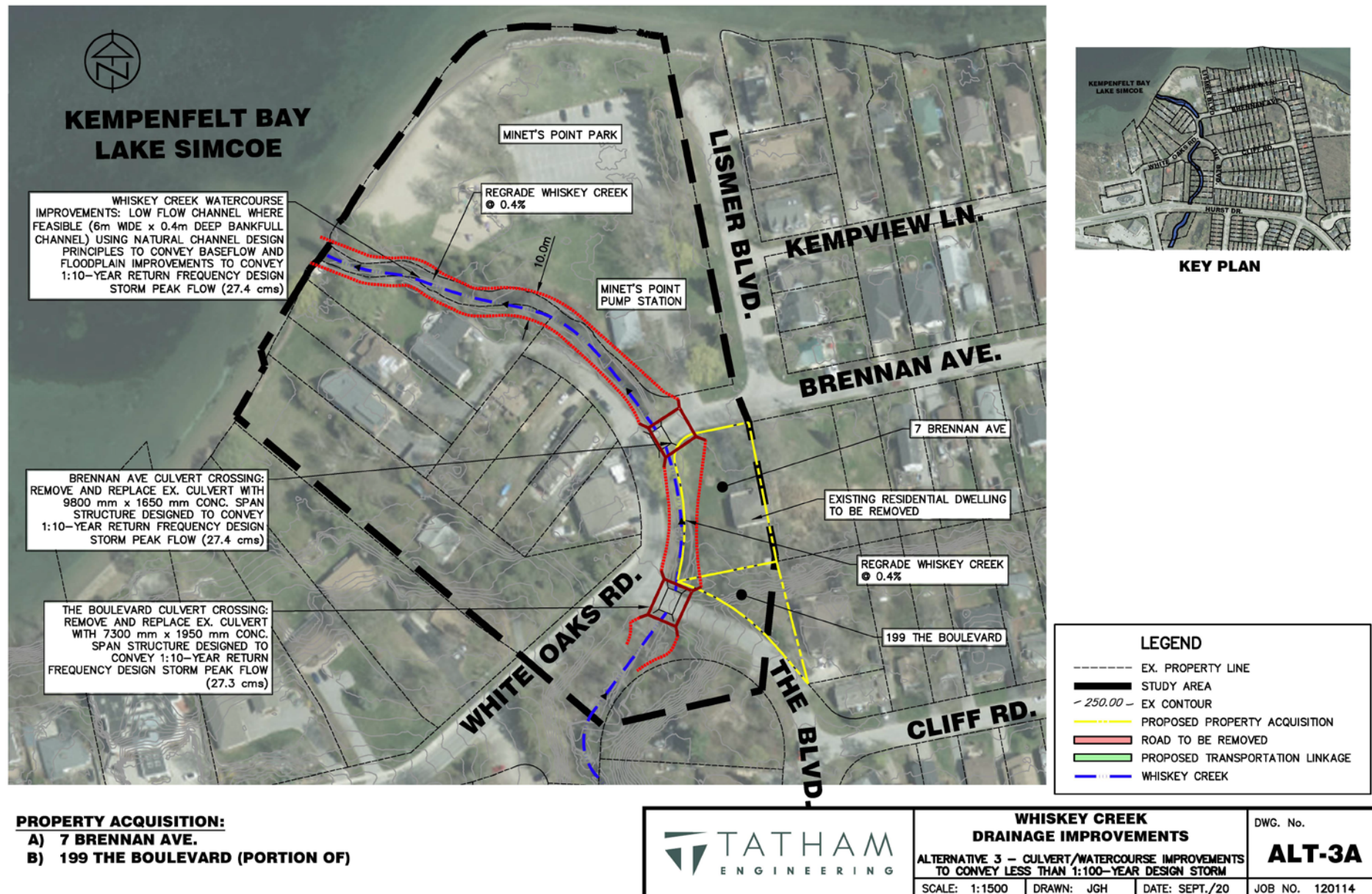
Alternative Solutions: Hydraulic Improvements (Alternatives 2 and 3)



Alternative Solutions: Hydraulic Improvements + Transportation System Modifications (Alternative 4 through 6)



Preliminary Preferred Alternative Solution – Alternative 3



Preliminary Alternatives Evaluation

TABLE 10: PRELIMINARY ALTERNATIVE SOLUTIONS EVALUATION

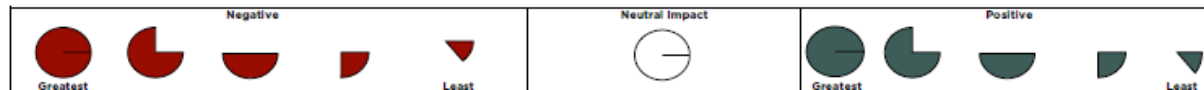
TABLE 10: PRELIMINARY ALTERNATIVE SOLUTIONS EVALUATION											Preliminary Preferred Solution	
Alternative	Description	PHYSICAL ENVIRONMENT		ECONOMIC ENVIRONMENT		SOCIAL/CULTURAL ENVIRONMENT		NATURAL ENVIRONMENT		Accumulated Score		
		Description	Total Score	Description	Total Score	Description	Total Score	Description	Total Score			
EXISTING (BASELINE) CONDITIONS												
1	Do Nothing	<1:2-Year design storm peak flow conveyance capacity resulting in continued flooding; continued erosion; no impacts to transportation system.		Upfront capital cost (initial investment) = \$0; 100-year life cycle costs (replacement costs) = \$1.4M; no change to local businesses.		No Archaeological impacts; safe access/egress provided via only one access with frequent flooding of additional access points; no property impacts, and no impacts on noise, pedestrian access or traffic movement.		Improper bankfull channel width with continued erosion resulting in fish habitat degradation; no terrestrial impacts				
HYDRAULIC IMPROVEMENTS / FLOW DIVERSIONS												
2	Improve Culverts/Watercourse to Convey 1:100-Year Design Storm	Washroom/Generator building relocated as part of drainage improvements		1:100-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms; improved bankfull channel width with reduce erosion; relocation of park entrance required.		Upfront capital cost (initial investment) = \$11.6M (\$1.6 to relocate washroom/generator building); 100-year life cycle costs (replacement costs) = \$3.8M; short term impacts to local businesses.		Elevated potential for archeological artifacts in work area; safe access egress provided via only one access with infrequent flooding of additional two access points; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and multiple years of construction with noise impacts.		Flat channel from Kempenfelt Bay to Brennan Ave. resulting in fish habitat degradation; opportunity for minor terrestrial habitat enhancements.		
		Washroom/Generator building relocation required through condition assessment				Upfront capital cost (initial investment) = \$10.0M; 100-year life cycle costs (replacement costs) = \$3.8M; short term impacts to local businesses.		Elevated potential for archeological artifacts in work area; safe access egress provided via only one access with infrequent flooding of additional two access points; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and a single year of construction with no noise impacts.				
3	Improve Culverts/Watercourse to Convey Less Than 1:100-Year Design Storm (Washroom/Generator building relocated as part of drainage improvements.)	1:50-Year Design Storm Capacity		1:50-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms; improved bankfull channel width with reduce erosion; relocation of park entrance required.		Upfront capital cost (initial investment) = \$11.6M (\$1.6M to relocate washroom/generator building); 100-year life cycle costs (replacement costs) = \$4.0M; short term impacts to local businesses.		Elevated potential for archeological artifacts in work area; safe access egress provided via only one access with infrequent flooding of additional two access points; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and multiple years of construction with noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.		
		1:10-Year Design Storm Capacity		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms; improved bankfull channel width with reduce erosion; no change to transportation system.		Upfront capital cost (initial investment) = \$8.5M (relocation of washroom/generator building not required); 100-year life cycle costs (replacement costs) = \$3.3M; short term impacts to local businesses.		Elevated potential for archeological artifacts in work area; safe access egress provided via only one access with infrequent flooding of additional two access points; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with no noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.		
	Improve Culverts/Watercourse to Convey Less Than 1:100-Year Design Storm (Washroom/Generator building relocation required through condition assessment)	1:50-Year Design Storm Capacity		1:50-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms; improved bankfull channel width with reduce erosion; relocation of park entrance required.		Upfront capital cost (initial investment) = \$10.0M; 100-year life cycle costs (replacement costs) = \$4.0M; short term impacts to local businesses.		Elevated potential for archeological artifacts in work area; safe access egress provided via only one access with infrequent flooding of additional two access points; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with no noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.		
7	Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road	1:5-Year design storm peak flow conveyance capacity reducing flooding during minor storms; improved bankfull channel width with reduce erosion; no change to transportation system.		Upfront capital cost (initial investment) = \$6.9M; 100-year life cycle costs (replacement costs) = \$2.9M; short term impacts to local businesses.		Elevated potential for archeological artifacts in work area; safe access egress provided via only one access with frequent flooding of additional two access points; requires the acquisition of 36 White Oaks Road; and one year of construction with no noise impacts.		Improper bankfull channel width with continued erosion resulting in fish habitat degradation; no terrestrial impacts.				



Preliminary Alternatives Evaluation

TABLE 10: PRELIMINARY ALTERNATIVE SOLUTIONS EVALUATION

TABLE 10: PRELIMINARY ALTERNATIVE SOLUTIONS EVALUATION											Preliminary Preferred Solution	
Alternative	Description		PHYSICAL ENVIRONMENT		ECONOMIC ENVIRONMENT		SOCIAL/CULTURAL ENVIRONMENT		NATURAL ENVIRONMENT		Accumulated Score	
			Description	Total Score	Description	Total Score	Description	Total Score	Description	Total Score		
PREFERRED HYDRAULIC IMPROVEMENTS / FLOW DIVERSION PLUS TRANSPORTATION SYSTEM MODIFICATIONS												
3A	Improve Culverts/Watercourse to Convey Less Than 1:100-Year Design Storm (Washroom/Generator Building Remains as Is)	1:10-Year Design Storm Capacity	1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms; improved bankfull channel width with reduce erosion; no change to transportation system.		Upfront capital cost (initial investment) = \$8.5M; 100-year life cycle costs (replacement costs) = \$3.3M; short term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; safe access egress provided via only one access with infrequent flooding of additional two access points; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with no noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
4A	Remove Brennan Avenue at Whiskey Creek		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight section of watercourse and improved bankfull channel width with reduced erosion; removal of Brennan Ave..		Upfront capital cost (initial investment) = \$8.1M; 100-year life cycle costs (replacement costs) = \$2.3M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; safe access egress provided via only one access with frequent flooding of single additional access point; only one access to Brennan Ave.; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with no noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
4B	Remove Brennan Avenue at Whiskey Creek and Connect Brennan Avenue and The Boulevard		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight section of watercourse and improved bankfull channel width with reduced erosion; removal of Brennan Ave. and new transportation linkage (between Brennan Ave. and The Boulevard).		Upfront capital cost (initial investment) = \$8.3M; 100-year life cycle costs (replacement costs) = \$2.5M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; safe access egress provided via only one access with frequent flooding of single additional access point; two accesses to Brennan Ave.; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
5A	Remove The Boulevard at Whiskey Creek		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight section of watercourse and improved bankfull channel width with reduced erosion; removal of The Boulevard.		Upfront capital cost (initial investment) = \$8.0M; 100-year life cycle costs (replacement costs) = \$2.0M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; safe access egress provided via only one access with frequent flooding of single additional access point; two accesses to Brennan Ave.; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with no noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
5B	Remove The Boulevard at Whiskey Creek and Connect Brennan Avenue and The Boulevard		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight section of watercourse and improved bankfull channel width with reduced erosion; removal of Brennan Ave. and new transportation linkage (between Brennan Ave. and The Boulevard).		Upfront capital cost (initial investment) = \$8.2M; 100-year life cycle costs (replacement costs) = \$2.3M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; safe access egress provided via only one access with frequent flooding of single additional access point; two accesses to Brennan Ave.; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
6A	Remove Brennan Avenue and The Boulevard at Whiskey Creek		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight sections of watercourse and improved bankfull channel width with reduced erosion; removal of Brennan Ave. and The Boulevard.		Upfront capital cost (initial investment) = \$7.5M; 100-year life cycle costs (replacement costs) = \$1.0M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; less than two accesses available; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with no noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
6B	Remove Brennan Avenue and The Boulevard at Whiskey Creek and Connect Brennan Avenue and The Boulevard		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight sections of watercourse and improved bankfull channel width with reduced erosion; removal of Brennan Ave. and The Boulevard and new transportation linkage (between Brennan Ave. and The Boulevard).		Upfront capital cost (initial investment) = \$7.8M; 100-year life cycle costs (replacement costs) = \$1.2M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; less than two accesses available; requires the acquisition of 7 Brennan Ave and a portion of 199 The Boulevard; and one year of construction with noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			
6C	Remove Brennan Avenue and The Boulevard at Whiskey Creek and Connect Brennan Avenue and The Boulevard and New Connection to Hurst Drive		1:10-Year design storm peak flow conveyance capacity reducing flooding during minor and major storms, daylight sections of watercourse and improved bankfull channel width with reduced erosion; removal of Brennan Ave. and The Boulevard and new transportation linkages.		Upfront capital cost (initial investment) = \$9.5M; 100-year life cycle costs (replacement costs) = \$1.6M; long term impacts to local businesses.		Elevated potential for archaeological artifacts in work area; two accesses available; requires the acquisition of 7 Brennan Ave, 205 Shoreview Road, 207 Shoreview Road and a portion of 199 The Boulevard; and multiple years of construction with noise impacts.		Construction of proper bankfull channel width using natural channel designs to improve fish habitat; opportunity for minor terrestrial habitat improvements.			





Virtual Meeting Q&A Sessions, Comments and Next Steps

Virtual Meeting Q&A Sessions

Virtual Public Meeting Q&A sessions are being held to allow participants to ask questions and provide comments regarding this study.

The Q&A Sessions are scheduled from 5:00 – 7:00 pm Tuesday, February 9, 2021 and Tuesday, February 16, 2021.

To register for the Q&A session(s), please contact Lingling He at the address below or use the electronic registration form available on the project website.

contacts

Lingling He, C.E.T., LET, PMP.
 Senior Water Technologist
 City of Barrie
 70 Collier Street, P.O. Box 400
 Barrie, ON L4M 4T5
 Tel: (705) 739-4220 ext. 5291
 Email: Lingling.He@barrie.ca





70 Collier Street, P.O. BOX 400
 Barrie Ontario L4M 4T5
 Barrie.ca

Project # D03 WH2

Whiskey Creek Drainage Improvements at Minet's Point
 Municipal Class Environmental Assessment
 Virtual Public Meeting Q&A Session Registration Form

If you wish to attend the Virtual Public Meeting Q&A Session on February 9, 2021 or February 16, 2021 complete this form and click "Submit Form" below to email the completed form to Lingling He, Senior Water Technologist at the City of Barrie. Or print and take a high resolution photo of the completed form and email to Lingling.He@barrie.ca.

Lingling He, C.E.T., LET, PMP
 Senior Water Technologist
 City of Barrie
 70 Collier Street, P.O. Box 400
 Barrie ON, L4M 4T5
 Tel: (705) 739-4220, ext. 5291
 Email: Lingling.He@barrie.ca

Alternatively, you may send an email or call Lingling He at the email address/phone number above to register.

ATTENDEE NAME:

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

ADDRESS (including postal code and telephone number):

Street Address:

Postal Code:

Unit/Apt:

Telephone Number:

Email Address:

Which Virtual Public Meeting Q&A Session would you prefer to attend?

☐

February 9, 2021 (5:00 pm to 7:00 pm)

☐

February 16, 2021 (5:00 pm to 7:00 pm)

The Public Meeting Q&A Session is being held virtually using Microsoft Teams which allows participants to join by computer, mobile app or phone. How do you plan to attend the Virtual Public Meeting Q&A Session?

☐

Microsoft Teams (Computer or Mobile App)

☐

Call-in using Phone

Registration for the Virtual Public Meeting Q&A Session will close at 4:00 pm (1 hour prior to the start of the meeting) on the respective meeting date. Upon registering for the virtual public meeting Q&A session, details allowing each participant to connect to the virtual meeting (either through Microsoft Teams or by phone) will be provided to each participant.

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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

SUBMIT FORM

Next Steps

Following PIC and the Virtual Public Meeting: Please ensure:

- We will review/address public, agency & stakeholder comments;
- Re-evaluate the alternative solutions;
- Select the preferred alternative solution;
- Prepare the Class EA report for Council review/endorsement;
- Place final report on public record for 30-day review period; and
- Issue Notice of Study Completion
- You register for the virtual Public Meeting Q&A session if you wish to participate;
- Submit comments and concerns regarding this project; and
- Notify the City if you wish to be kept informed of the staff recommendation regarding the Preferred Alternative Solution.

Please feel free to contact the City and/or their Consultant any time should you have any further questions or concerns. Thank you for your interest in this project!



Virtual Public Meeting

Comments and information regarding this project are being collected to assist the project team in meeting the requirement 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 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 Municipal Class Environmental Assessment. Questions about this collection should be directed to Tom Reeve, Senior Project Manager – Water/Wastewater Planning at the City of Barrie by calling (705) 739-4220 or emailing Tom.Reeve@barrie.ca.

The City of Barrie 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

Lingling He, C.E.T, LET, PMP.
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie, ON L4M 4T5
Tel: (705) 739-4220 ext. 5291
Email: Lingling.He@barrie.ca

Comments


We encourage the public to provide comments and concerns regarding this project. Public comments will be received between Wednesday, February 3, 2021 and Wednesday, February 17, 2021.

Written comments can be submitted to Lingling He at the address below or by completing the comments sheet available on the project website.

contacts

Lingling He, C.E.T., LET, PMP.
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie, ON L4M 4T5
Tel: (705) 739-4220 ext. 5291
Email: Lingling.He@barrie.ca





70 Collier Street, P.O. BOX 400
 Barrie Ontario L4M 4T5
 Barrie.ca

Project # D03-WH2

**Whiskey Creek Drainage Improvements at Minet's Point
Municipal Class Environmental Assessment
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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.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 do not or will not attend ☐ Yes I have attended or will attend (registration required)

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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available online on the City of Barrie web page at the following link: <http://www.barrie.ca/City%20Hall/environmental-assessment-studies/Pages/Whiskey-Creek-Drainage-Improvements-at-Minets-Point.aspx>. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP
 Senior Water Technologist
 City of Barrie
 70 Collier Street, P.O. Box 400
 Barrie ON, L4M 4T5
 Tel: (705) 739-4220, ext. 5291
 Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm
 Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.



Thank you for your interest in this EA!



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03 WH2

**Whiskey Creek Drainage Improvements at Minet's Point
Municipal Class Environmental Assessment
Virtual Public Meeting Q&A Session Registration Form**

If you wish to attend the Virtual Public Meeting Q&A Session on February 9, 2021 or February 16, 2021 complete this form and click "Submit Form" below to email the completed form to Lingling He, Senior Water Technologist at the City of Barrie. Or print and take a high resolution photo of the completed form and email to Lingling.He@barrie.ca.

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

Alternatively, you may send an email or call Lingling He at the email address/phone number above to register.

ATTENDEE NAME:

REPRESENTING (Agency, Municipality, Property Owner, Tennant , Etc.):

ADDRESS (Including postal code and telephone number):

Street Address:

Postal Code:

Unit/Apt:

Telephone Number:

Email Address:

Which Virtual Public Meeting Q&A Session would you prefer to attend?

February 9, 2021 (5:00 pm to 7:00 pm)

February 16, 2021 (5:00 pm to 7:00 pm)

The Public Meeting Q&A Session is being held virtually using Microsoft Teams which allows participants to join by computer, mobile app or phone. **How do you plan to attend the Virtual Public Meeting Q&A Session?**

Microsoft Teams (Computer or Mobile App)

Call-in using Phone

Registration for the Virtual Public Meeting Q&A Session will close at 4:00 pm (1 hour prior to the start of the meeting) on the respective meeting date. Upon registering for the virtual public meeting Q&A session, details allowing each participant to connect to the virtual meeting (either through Microsoft Teams or by phone) will be provided to each participant.

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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03-WH2

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.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 do not or will not attend

Yes I have attended or will
attend (registration required)

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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available online on the City of Barrie web page at the following link: <http://www.barrie.ca/City%20Hall/environmental-assessment-studies/Pages/Whiskey-Creek-Drainage-Improvements-at-Minets-Point.aspx>. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

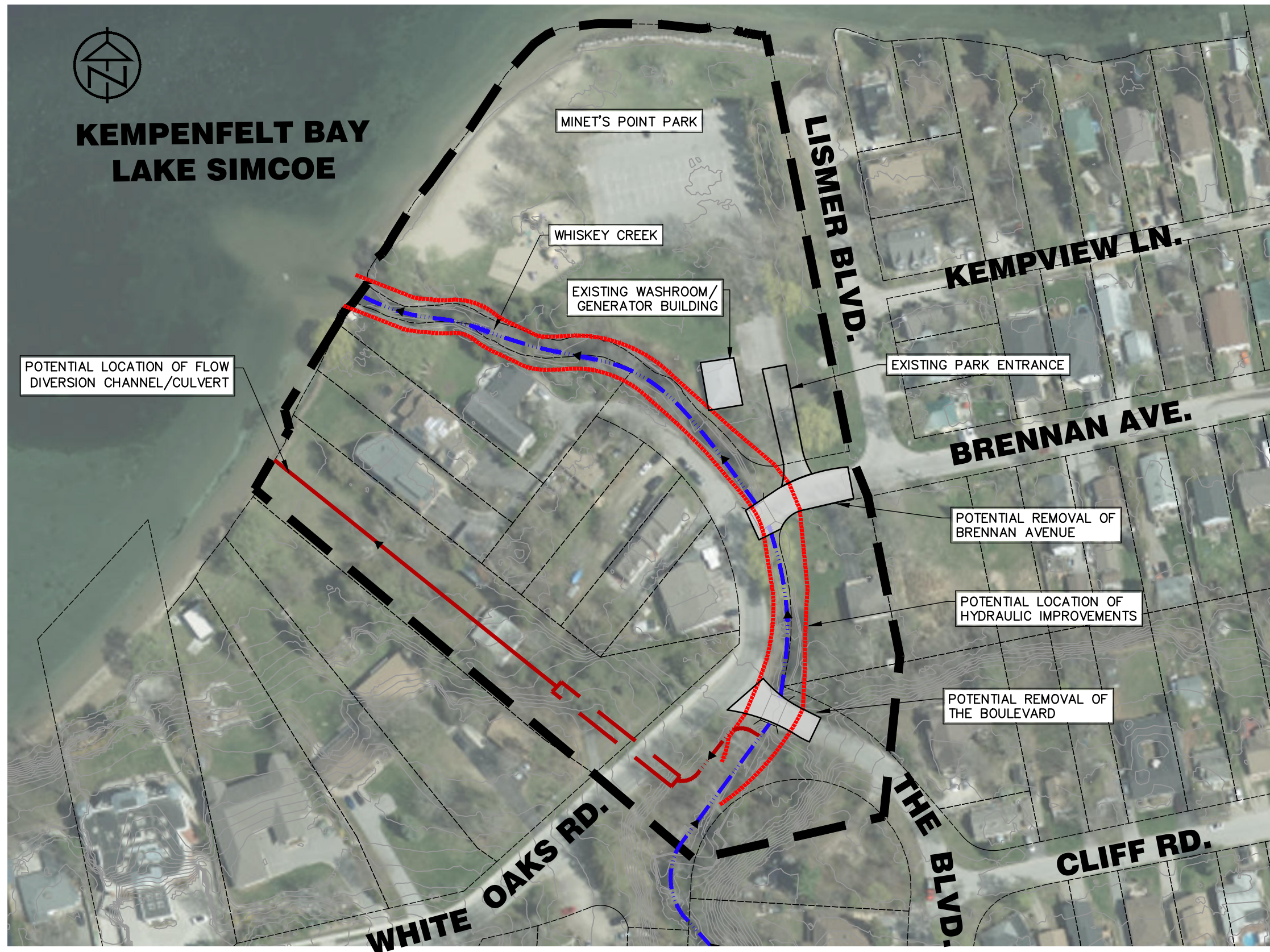
In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

[illegible]



KEMPENFELT BAY LAKE SIMCOE



KEY PLAN

LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- 250.00 - EX CONTOUR
- WHISKEY CREEK



WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

DWG. No.

FIG.1

JOB NO. 120114

Whiskey Creek Drainage Improvements at Minet's Point

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☐ Yes ☐ No

Signature: _____

Date: _____

Please submit your comments by **Wednesday February 17, 2021** to:

Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to Lingling.He@barrie.ca. Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

Thank you for your comments

Whiskey Creek Drainage Improvements at Minets Point
Municipal Class Environmental Assessment
Summary of Comments Received
March 12, 2021

ID	Response to Questions				Preferred Solution		Alternative Preference		Requests/Comments
	1 (Y/N)	2 (A/B/C)	3 (Y/N)	4 (Y/N)	(ALT)	Criteria	(ALT)	Criteria	
Comments provided on prescribed Comment Sheets									
1	Yes	B	No	No	3	1:50	3	1:10	Prefers Park entrance is not relocated
2	Yes	B	No	No	3	-	-	-	a) Privacy fencing/landscaping along Whiskey Creek b) Preservation/improvement of habitat along creek c) Prefers no changes to road network or park entrance d) Against Alterantive 7
3	Yes	B	No	No	3	-	-	-	Urgent culvert repair required on Whitty Lane
4	Yes	C	No	No	3	-	1	-	a) Prefers Park entrance is not relocated b) Prefers a reasonable remediation of creek c) No impact on surrounding environment/neighbourhood
5	Yes	B	Yes	No	3	-	-	-	a) Privacy concerns of kayaks going up the creek b) Prefers removal of sediment at mouth of creek
6	No	C	No	No	1	-	3	-	a) Against Alternatives 4-6 b) Against transportation system modifications c) Prefers improvements that have minimal impacts
7	No	C	No	No	1	-	3	1:100	a) If work is being done, prefers highest level of service b) Does not support changes to park entrance and roads
8	Yes	B	No	No	3	-	-	-	a) Prefers Park entrance is not relocated b) Preservation of trees and shrubs along creek c) Supports new culverts and widening creek
9	No	A	Yes	-	3	-	2	-	Against Alternative 7
10	Yes	C	No	No	3	-	-	-	a) Prefers Park entrance is not relocated b) Supports new culverts and widening creek
11	Yes	B	Yes	Yes	3	-	-	-	a) Against Alternative 7 b) Supports Alternative 3
12	No	C	No	No	3	-	1	-	a) Prefers no changes to road network or park entrance b) Preservation/improvement of habitat along creek c) Supports only minor improvements to creek
13	Yes	A	No	No	3	-	-	-	a) Supports Alternative 3 b) Does not support closing Brennan Ave
14	Yes	B	No	No	3	-	-	-	a) Prefers no changes to road network or park entrance b) Minimizing impact to residents top priority

Whiskey Creek Drainage Improvements at Minets Point
Municipal Class Environmental Assessment
Summary of Comments Received
March 12, 2021

ID	Response to Questions				Preferred Solution		Alternative Preference		Requests/Comments
	1 (Y/N)	2 (A/B/C)	3 (Y/N)	4 (Y/N)	(ALT)	Criteria	(ALT)	Criteria	
Comments provided on prescribed Comment Sheets									
15	Yes	A	No	No	3	-	-	-	a) Prefer no changes to road network or park entrance b) Supports Alternative 3
16	Yes	B	-	Yes	6A	-	-	-	a) Preservation/improvement of habitat along creek b) Support widening White Oaks Rd for pedestrians
Comments provided during PIC Q&A Session or via email									
17	-	-	-	-	3	-	-	-	a) Supports new culverts and widening creek b) Prefers the removal of sediment at mouth of creek
18	-	-	-	-	3	-	-	-	a) Preservation/improvement of habitat along creek b) Support widening White Oaks Rd for pedestrians
19	-	-	-	-	1	-	-	-	Does not support improvements to creek
20	-	-	-	-	1	-	-	-	Prefers no changes to road network or park entrance
21	-	-	-	-	3	-	-	-	a) Prefers no changes to road network or park entrance b) Supports Alternative 3



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03-WH2

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

Postal Code: _____

Telephone Number: _____

Optional Virtual Public Meeting Q&A:



No I do not or will not attend



Yes I have attended or will attend (registration required)

REVIEWED MATERIAL

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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at barrie.ca/EAstudies and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

SEE ATTACHED RESPONSE SECTION 1.

SEE ATTACHED SECTION 2

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page.

Excellent

SEE ATTACHED SECTION 3

Whiskey Creek Drainage Improvements at Minet's Point

Please submit your comments by Wednesday February 11, 2021 10:00 AM.

Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to Lingling.He@barrie.ca. Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

Thank you for your comments

SUBMIT FORM

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment

These comments are provided as an attachment, rather than contained within the Comment Form itself, due to the limitations of the text features and formatting difficulties in the online form.

SECTION 1 COMMENTS: Park Entrance

The following comments are not limited to self-serving statements focused on my personal perspective as a resident. My comments are objective where appropriate because I understand that a community consists of shared experiences; my experiences are only part of the equation for suitable outcomes in the planning exercise. It is important that you know that such self-discipline guides these comments.

The question on the Comment Form asking for a response to a possible relocation of the vehicular entrance to Minet's Point Park from Brennan to Lismer Boulevard is alarming in its implications. I have sincerely attempted to find the relevant context within the 880 pages of the report but have not been able to isolate the circumstances under which this change might happen. The following remarks are therefore general in nature, rather than related to a numbered specific section of the report. This feedback is relevant nonetheless.

General Remarks

By relocating the vehicular entrance of Minet's Point Park from Brennan Ave to Lismer Boulevard, everyone will suffer.

This includes not only the residents of Lismer Boulevard, but the entire resident group in the lower portion of the Minet's Point Valley, and probably all residents on Brennan Avenue south of Whitty Lane to Hurst Drive (because of additional motivation for some visiting drivers to use Hurst to access Kempview Lane), or residents of The Boulevard, if an extension is created south to intersect with Hurst Dr.

Kempview Lane is in no condition to handle external traffic as it is not a street with normal setbacks and engineering standards to meet new demand. Any additional traffic on Kempview is undesirable, technically, and otherwise.

Ultimately, even the park visitors themselves will suffer from a relocated entrance from Brennan to Lismer, as described below.

An easily overlooked planning consideration in locating the vehicular entrance of Minet's Point park is that there are TWO DISTINCT recurring traffic flow conditions that pertain:

1) "Regular Visits", characterized by ebb and flow depending upon weather and season

2) "Special Events", characterized by infrequent but enormous visitor surges

The existing location of the vehicular entrance to Minet's Point Park is the "logical" one for both conditions. That is why the entrance is already located there. The Brennan Ave entrance is the shortest route from major feeder streets at the top of the hill. Vehicles proceeding east down White Oaks cross the culverts and make an efficient uncontrolled left turn directly into the park. Similarly, vehicles leave without traffic control. These unregulated turns aid natural vehicular traffic. This is an important insight.

By contrast, entering the park by car from Lismer Blvd will require a left-hand turn first through the traffic intersection of Brennan & Lismer. New traffic control by means of stop sign or traffic light at that intersection will be needed for safety. This extra traffic control guarantees new congestion where there is no congestion presently. This would be a retrograde step.

That factor alone would be problematic enough for the regular flow of park related vehicle traffic, and this volume is projected to grow considerably according to the City of Barrie's newest development plan.

However, the impact of this new traffic arrangement during Special Events, with their associated surges in traffic volume would compound a needless inconvenience into a catastrophic planning error. This is because the surge volume of traffic during Special Events occurs in brief spikes but are enormous. The dual challenge of both receiving and disgorging Special Event traffic within the parking lot in a timely manner is a key factor in the quality-of-life for all affected parties in the neighbourhood and visitors.

The addition of a needless second left-hand turn from Lismer into the park is unnatural. It will also force the elimination of street parking on Lismer, interfere with pedestrian safety and convenience on Lismer, and so much more. The cumulative increase in exhaust from idling vehicles during their wait, the honking from impatient drivers and the movement patterns that would then be at cross purposes vis a vis the north end of Lismer at the cul-de-sac by the lake would all be counter productive.

By contrast, the simple expansion of the capacity of the two culverts and deepening of the creek as it rounds the corner at the bottom of its course to the lake, without changing the traffic pattern, will mitigate the occasional storm surges, without compromising a well-established traffic flow that all local residents and park users have become accustomed to over more than 70 years. This traffic flow is a reality that all residents and visitors manage daily. The storm flow mitigation pertains to rare events. To alter daily routines negatively so as to mitigate rare event(s) "somewhat" is an enormous undesirable trade-off in the quality-of-life analysis. The human quality-of-life dimension does not seem to have been included in the study with the depth of concern shown for wildlife. This is why I emphasize it, to restore balance.

Furthermore, there is an on-going problem with evening noise and mayhem in the park. Although it has been proposed that the park may close in the evenings, this outcome is not assured and may never occur. Therefore, a new entrance off Lismer will re-direct evening traffic around the Brennan/Lismer intersection through two left-hand turns at night creating new hazards for people walking their dogs, children and people seeking peace and quiet at night. The streets in this neighbourhood are too narrow for sidewalks.

A traffic pattern change of this nature will increase legal liability to the City of Barrie for the unforeseen consequences of these new risk factors, which are not necessary for the purpose of addressing the theoretical storm effect risk.

A Lismer Boulevard vehicular entrance to Minet's Point Park would be an unnecessary alteration of a vehicular and pedestrian traffic pattern that has been sustained by the neighbourhood and its visitors for several generations, successfully. Regardless of how the flow of traffic would be structured by changes to Brennan, White Oaks, or The Boulevard, a Lismer park entrance would be a terrible measure.

SECTION 2: Flooding

I have first-hand knowledge of the occasional overflows that occur. They are rare and short-lived, consisting mostly of a pooling of water between the two culverts located at White Oaks and The Blvd. These are not trivial, but they are highly local to that spot because the natural drainage always does ensure a restoration of the water level at that physical juncture.

Realistically, the 100-year event being planned for is far greater in scope than merely the Whiskey Creek remediation. All of the Minet's Point community of homes in the flood plain from Brennan northward will experience consequences from such an event, regardless of Whiskey Creek remediation.

This is because the water table in the flood plain is already far higher than normal in residential neighbourhoods today.

All but two of the properties in this setting are "existing non-conforming" in their construction engineering vis a vis the water table. The water table is so high that it is not possible for many of these homes to have normal basements.

The implication of these realities is that reasonable remediation of Whiskey Creek, without imposing unduly upon existing neighbourhood properties is sensible, however, any substantial re-engineering of this setting that is specifically motivated by Whiskey Creek is out-of-context to a much bigger picture, especially if the Whiskey Creek remediation creates substantial inconveniences or disruption to the residents on a daily basis forever more.

SECTION 3 – Commenting Format

I urge your team to commit to a face-to-face meeting with the residents on this matter when it is permitted again, BEFORE CONSIDERING YOUR NEIGHBOURHOOD FEEDBACK TO BE RESOLVED. The "online meeting" format is an admirable compromise during the temporary COVID restrictions but is no substitute for real engagement.

All normal personal behaviour in the community has been affected by the current government restrictions and people are just not in their normal frame of mind. While I understand that an online meeting seems to be a logical alternative to in-person meetings, it is not equivalent.

Responses not received from residents should not be interpreted as indifference. You may be surprised at how many people were not aware and/or are intimidated by the online process.

I would appreciate the opportunity to remain involved. My contact information appears above.



Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?



Yes



No

2. Do you expect the improvements to:



Completely eliminate all flooding in the area, no matter the other impacts or costs.



Eliminate the flooding as much as possible, considering other factors such as cost.



Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?



Yes



No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?



Yes



No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

1. Concern for privacy on our property - what does the city plan to do to maintain current level of privacy - will fencing be replaced? IF SO?

What would the finish product look like?

Will access be blocked from Kempfelt bay leading into Whiskey creek. Currently people like to kayak up the creek and it is dangerous.

- Their 3 feet of new sand at the edge of my property (58 white oaks) on the water front side. This occurred last summer after 2 heavy rainfalls. ~~that~~ Is the city ~~coming~~ coming to remove it or fix it?



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03-WH2

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

NAME OF RESPONDENT:

Optional Virtual Public Meeting Q&A:



No I do not or will not attend



Yes I have attended or will attend (registration required)

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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at barrie.ca/EAstudies and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☐

Yes

☒

No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☐

Eliminate the flooding as much as possible, considering other factors such as cost.

☒

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

The questions above are difficult to answer with out some of the detailed information. With respect to the options presented,

obviously Alternative 3 appears to be the most practical given the information provided, and reduced impact on the community.

We do not agree with the realignment of The Blvd. Not only does it significantly Impact the use and enjoyment

of our property, it requires an additional access to Hurst through another existing home. We are extremely concerned

about the extent of our property that would be impacted as illustrated in the proposed acquisition. This was not our understanding

in previous discussion with the City staff and consultants, and would have thought given the proposed acquisition

there would have been some individual contact made. The presentation did not speak to the rationale behind realigning the road

connections over the creek. Years ago when we discussed this there was some discussion about the challenges of

getting the proper heights with the crossing at the Blvd. The Brennan crossing did not seem to be as big a concern.

It would seem reasonable to maintain the traffic flow using white oaks and the Brennan crossing to address the height issue at the Blvd crossing

without necessitating a e proposed extension of the Blvd and additional access to Hurst. We do not support the BLVD extension.

Whiskey Creek Drainage Improvements at Minet’s Point

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

The flooding is a result of development and infiltrations up stream more than the crossings and existing creek. Previously in discussions with City staff and the consultant, it was our understanding the size of the culvert at the BLVD and Brennan were being considered for resizing. Never was there any discussion regarding the removal of these crossings and the introduction of an extention of the Blvd to Brennan, and a second entrance to Hurst. It seems completely unreasonable that homeowners, not impacted by the flooding would be expected to comprmise the peace and enjoyment of our properties to the benefit of recently permitted homes to be constructed in a flood plain.

As previously discussed we were lead to understand that the subject area shown was an exageration and not the actual proposed property acquisition, (ie a smaller area) we truly hope that is still the case and that easements or other mechanisms are still options as previously suggested to us. As a homeowner significantly impacted by all options we are requesting a meeting with Ms. He and Mr. Reeve as soon as possible to discuss the City's proposal in greater detail. We do appologize we were not successfull in logging into the virtual meeting tonight however given the circumstances, an individual meeting is warranted. Thank you for your immediate attention to our concerns.

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at barrie.ca/EAstudies by selecting Whiskey Creek Drainage Improvements at Minet's Point?



Poor
(Much Improvement
Required)



Marginal
(Some Improvement
Required)



Good



Very Good



Excellent

Please add a comment in support of your level of satisfaction below:

What work has been done upstream to mitigate the need for this work.

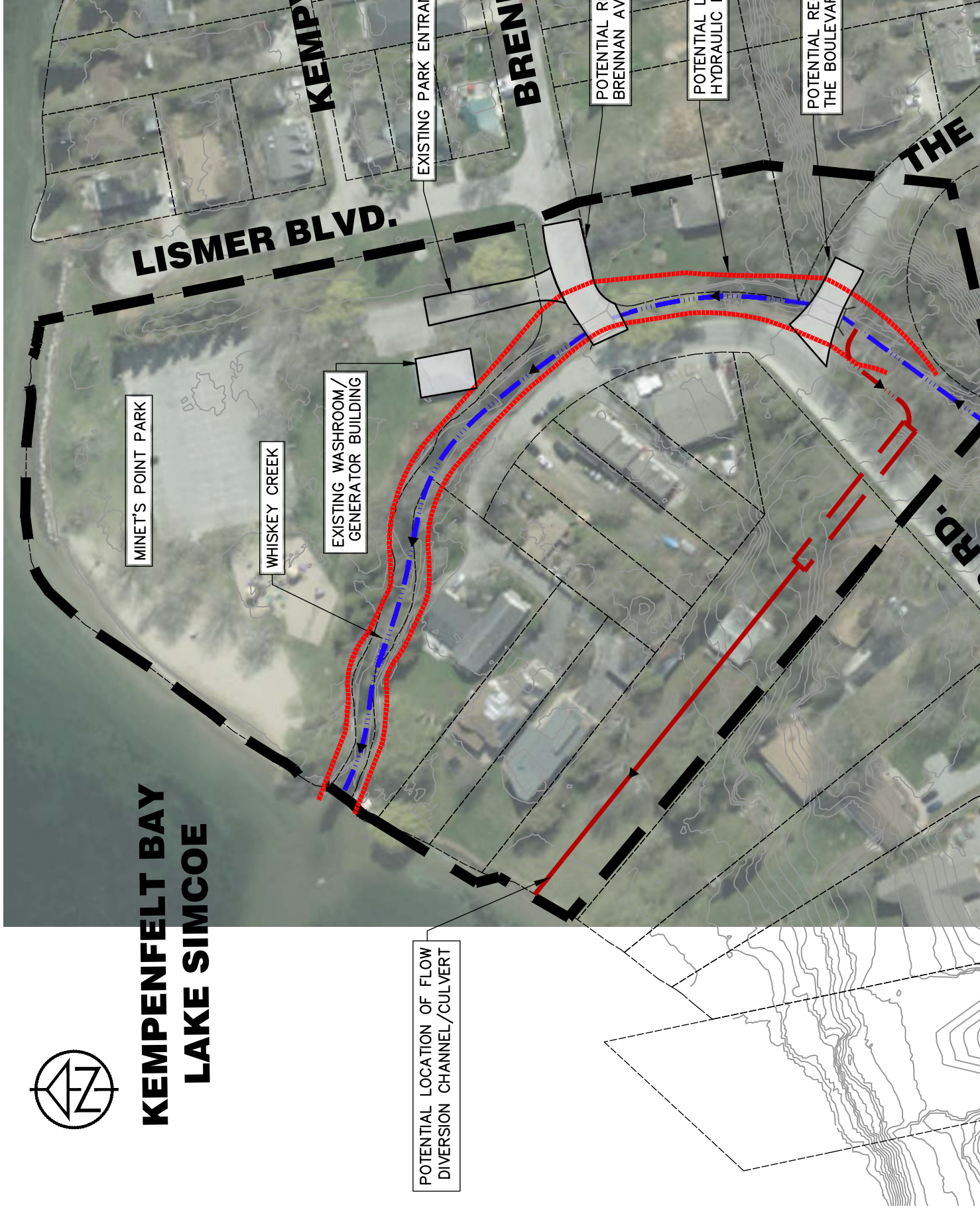
The illstration Fig. 1. shows a diversion culvert accros a property on White Oaks. I do not recall this information.

in the options.

Note additional comments pending.



KEMPENFELT BAY LAKE SIMCOE



Whiskey Creek Drainage Improvements at Minet's Point

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☒ Yes☐ No

Signature: _____

Date: _____

Feb 16, 2021

Please submit your comments by **Wednesday February 17, 2021** to:

Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to Lingling.He@barrie.ca. Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

Thank you for your comments

SUBMIT FORM



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03-WH2

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

NAME OF RESPONDENT:

Optional Virtual Public Meeting Q&A:



No I do not or will not attend



Yes I have attended or will attend (registration required)

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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at barrie.ca/EAstudies and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☐

Yes

☒

No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☐

Eliminate the flooding as much as possible, considering other factors such as cost.

☒

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

As an owner in Minet's Point I use the area several times a day. I have reviewed the presentations and strongly feel

that if anything is going to be done, the 100 year plan to widen the existing

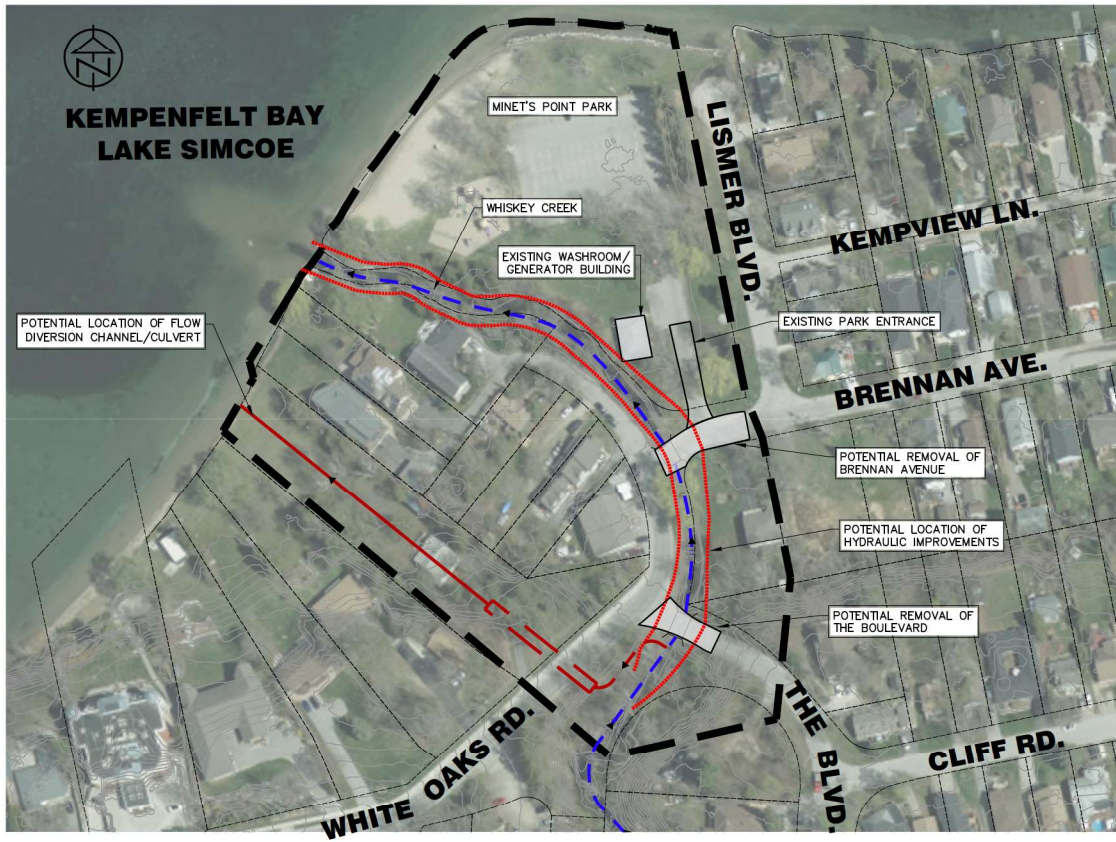
creek is the most viable without being an excessive solution, which is what the

alternatives (changing roads and entryways or closing roads) seem to be... excessive.

[illegible]



KEMPENFELT BAY LAKE SIMCOE



KEY PLAN

LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- EX CONTOUR
- WHISKEY CREEK



WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

DWG. No.

FIG.1

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

JOB NO. 120114

Whiskey Creek Drainage Improvements at Minet's Point

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?



Yes



No

Signature: _____

Date: _____

Feb 17 2021

Please submit your comments by **Wednesday February 17, 2021** to:

Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to Lingling.He@barrie.ca. Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

Thank you for your comments

SUBMIT FORM



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03-WH2

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

NAME OF RESPONDENT:

Optional Virtual Public Meeting Q&A:



No I do not or will not attend



Yes I have attended or will attend (registration required)

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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at barrie.ca/EAstudies and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒

Yes

☐

No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☒

Eliminate the flooding as much as possible, considering other factors such as cost.

☐

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

By relocating the entrance will be traffic
congestion and cause more concern over the
safety of our children who live here. The people
who live on Lismer would not be able to handle
all the traffic they'd get nor could the road. I
personally have concerns as I have a store that is
in the vicinity of the current entrance to the park.
I feel the existing entrance can handle the traffic,
it has since I moved here in 1964.

Whiskey Creek Drainage Improvements at Minet's Point

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

The concern I have is flooding on my property & has been getting worse every year, when we moved here we had no flooding, & yes the area has grown but the culverts were never increased to go with the growth nor have they been maintained. The flooding in my area has been so bad at times I have to call the City to come as the creek is overflowing. I also feel the flooding since the southend development & growth & when Walmart started we noticed a difference & it is just continuing to get worse. I also feel the creek not maintained; sludge, garbage & trees..... cont'd

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at barrie.ca/EAstudies by selecting Whiskey Creek Drainage Improvements at Minet's Point?

**Poor**

(Much Improvement Required)

**Marginal**

(Some Improvement Required)

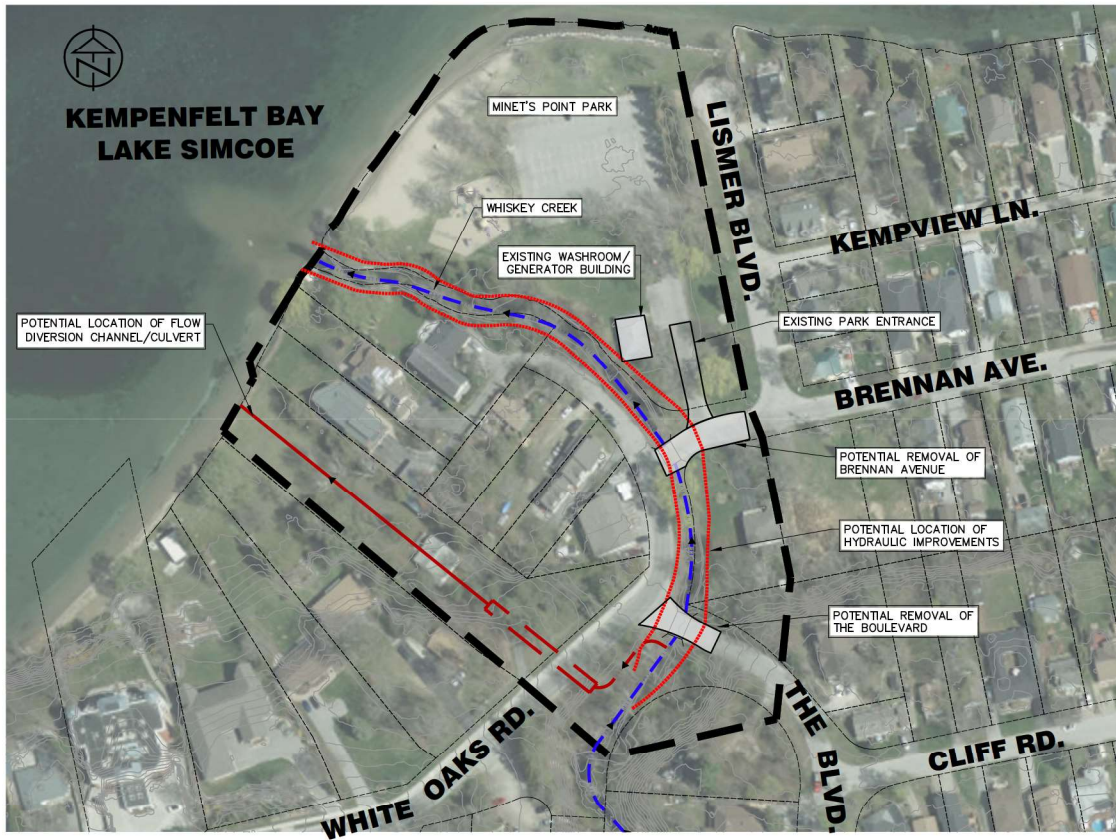
**Good****Very Good****Excellent**

Please add a comment in support of your level of satisfaction below:

I personally did not read the 800+ pages on line, I did however skim them over and talk with my neighbours. I'm glad I was on the virtual Q&A but the quality of the call was terrible. I was however able to make out some of what was being asked and answered. As a closing I'm hoping that you don't have to cut down the big willow in front of my house (even though I think you will) I'M hoping.....



KEMPENFELT BAY LAKE SIMCOE



KEY PLAN

LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- EX CONTOUR
- WHISKEY CREEK



WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

DWG. No.

FIG.1

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

JOB NO. 120114

Whiskey Creek Drainage Improvements at Minet's Point

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☒ Yes☐ No

Signature: _____

Date:

February 17

Please submit your comments by **Wednesday February 17, 2021** to:

Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to Lingling.He@barrie.ca. Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

Thank you for your comments

SUBMIT FORM

Page 3 continued....

List any concerns or comments related to flooding.

Not removed or cleaned up yearly and at times not even after a flooding.

I would also like to add as stated above it needs much improvement as my store has been flooded and my patio furniture has been floating down my driveway and out onto the street, but I'm fortunate that I have good neighbours that help me out.

I am happy to hear that you will be maintaining the wildlife, fisheries and also trying to keep as many shrubs, trees and wildflowers as possible in our park. WE are very fortunate in our community to have this park and creek area.

Are you satisfied with the level of detail....

I'M hoping you can save as many trees as possible.

I'm hoping the creek can be widened and new larger sized culverts can be used to correct the issue. I look forward to hearing and seeing the final result of what will be happening to our community.



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03 WH2

Whiskey Creek Drainage Improvements at Minet's Point
Municipal Class Environmental Assessment
Virtual Public Meeting Q&A Session Registration Form

If you wish to attend the Virtual Public Meeting Q&A Session on February 9, 2021 or February 16, 2021 complete this form and click "Submit Form" below to email the completed form to Lingling He, Senior Water Technologist at the City of Barrie. Or print and take a high resolution photo of the completed form and email to Lingling.He@barrie.ca.

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

Alternatively, you may send an email or call Lingling He at the email address/phone number above to register.

Which Virtual Public Meeting Q&A Session would you prefer to attend?



February 9, 2021 (5:00 pm to 7:00 pm)



February 16, 2021 (5:00 pm to 7:00 pm)

The Public Meeting Q&A Session is being held virtually using Microsoft Teams which allows participants to join by computer, mobile app or phone. How do you plan to attend the Virtual Public Meeting Q&A Session?



Microsoft Teams (Computer or Mobile App)



Call-in using Phone

Registration for the Virtual Public Meeting Q&A Session will close at 4:00 pm (1 hour prior to the start of the meeting) on the respective meeting date. Upon registering for the virtual public meeting Q&A session, details allowing each participant to connect to the virtual meeting (either through Microsoft Teams or by phone) will be provided to each participant.

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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

SUBMIT FORM

Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒ Yes

☐ No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☒

Eliminate the flooding as much as possible, considering other factors such as cost.

☐

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐ Yes

?

☐ No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☒ Yes

☐ No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

Whiskey Creek Drainage Improvements at Minet's Point

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

- ① ^{#36} IF WHITE OAKS HAD BEEN PURCHASED PRIOR TO NEW CONSTRUCTION
THIS WOULD HAVE BEEN MY IDEAL SOLUTION
- ② I AM NOT OPPOSED TO THE BLVD + BRENNAN BEING CLOSED
AND BECOMING DEAD ENDS BUT NOT CONNECTING THEM.
- ③ A SIDEWALK AND OR WIDENING OF WHITE OAKS + BRENNAN
AT 46 WHITE OAKS + 7 BRENNAN IS ESSENTIAL FOR SAFETY
- ④ WILDLIFE MUST BE PROTECTED + FISH RESTOCKING OF THE
CREEK
- 5 ALTERNATIVE 6A IS MY PREFERENCE.

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at barrie.ca/EAstudies by selecting Whiskey Creek Drainage Improvements at Minet's Point?



Poor
(Much Improvement
Required)



Marginal
(Some Improvement
Required)



Good



Very Good

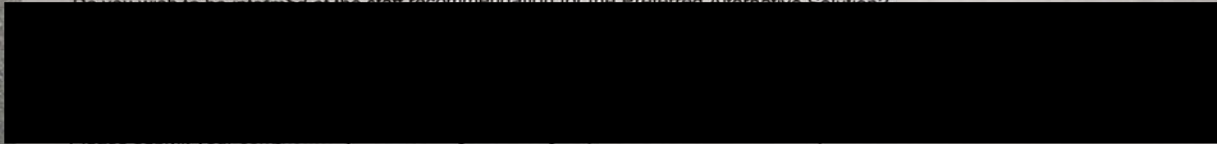


Excellent

Please add a comment in support of your level of satisfaction below:

Whiskey Creek Drainage Improvements at Minet's Point

Recommendation for the Preferred Alternative Solution



Lingling He, C.E.T., LET, PMP
Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to Lingling.He@barrie.ca. Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

Thank you for your comments

SUBMIT FORM



70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03 WH2

Whiskey Creek Drainage Improvements at Minet's Point
Municipal Class Environmental Assessment
Virtual Public Meeting Q&A Session Registration Form

If you wish to attend the Virtual Public Meeting Q&A Session on February 9, 2021 or February 16, 2021 complete this form and click "Submit Form" below to email the completed form to Lingling He, Senior Water Technologist at the City of Barrie. Or print and take a high resolution photo of the completed form and email to Lingling.He@barrie.ca.

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

Alternatively, you may send an email or call Lingling He at the email address/phone number above to register.

Which Virtual Public Meeting Q&A Session would you prefer to attend?



February 9, 2021 (5:00 pm to 7:00 pm)



February 16, 2021 (5:00 pm to 7:00 pm)

The Public Meeting Q&A Session is being held virtually using Microsoft Teams which allows participants to join by computer, mobile app or phone. How do you plan to attend the Virtual Public Meeting Q&A Session?



Microsoft Teams (Computer or Mobile App)



Call-in using Phone

Registration for the Virtual Public Meeting Q&A Session will close at 4:00 pm (1 hour prior to the start of the meeting) on the respective meeting date. Upon registering for the virtual public meeting Q&A session, details allowing each participant to connect to the virtual meeting (either through Microsoft Teams or by phone) will be provided to each participant.

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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

SUBMIT FORM

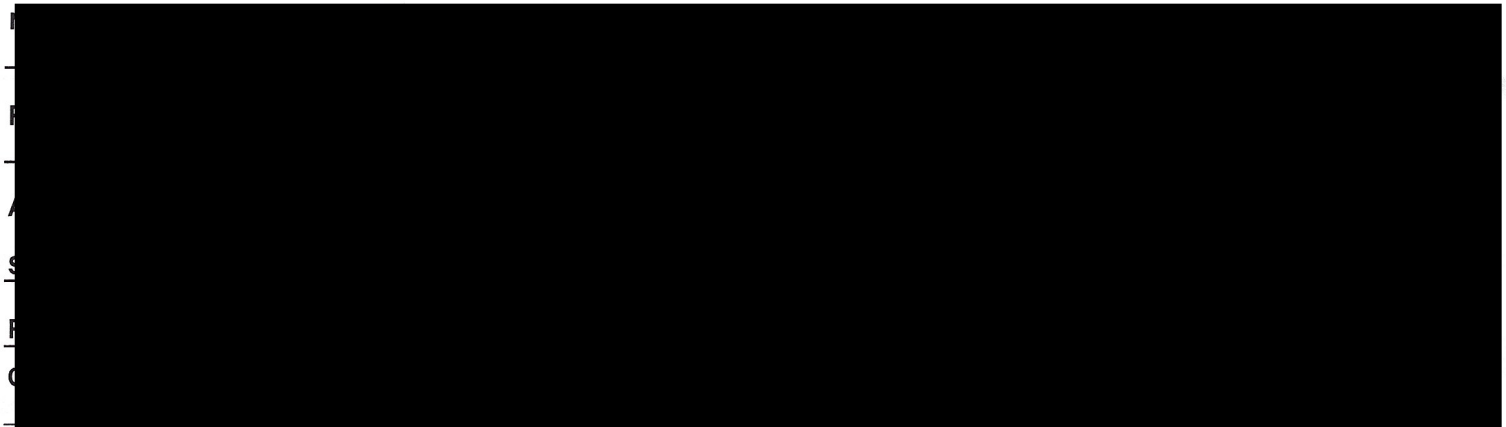


70 Collier Street, P.O. BOX 400
Barrie Ontario L4M 4T5
Barrie.ca

Project # D03-WH2

Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.



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

"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at barrie.ca/EAstudies and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

Lingling He, C.E.T., LET, PMP

Senior Water Technologist
City of Barrie
70 Collier Street, P.O. Box 400
Barrie ON, L4M 4T5
Tel: (705) 739-4220, ext. 5291
Email: Lingling.He@barrie.ca

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

Existing Condition: Alternative 1 – "Do Nothing"

Hydraulic Improvements: Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm
Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

Flow Diversions: Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?



Yes



No

2. Do you expect the improvements to:



Completely eliminate all flooding in the area, no matter the other impacts or costs.



Eliminate the flooding as much as possible, considering other factors such as cost.



Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?



Yes



No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?



Yes



No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

[illegible]

~~~~~



**Poor**  
(Much Improvement  
Required)



**Marginal**  
(Some Improvement  
Required)



**Good**



**Very Good**



**Excellent**

[illegible]

Whiskey Creek Drainage Improvements at Minet's Point

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

Lingling He, C.E.T., LET, PMP  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

*Thank you for your comments*

**SUBMIT FORM**



Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒

Yes

☐

No

2. Do you expect the improvements to:

☒

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☐

Eliminate the flooding as much as possible, considering other factors such as cost.

☐

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

---

This issue has been going on for so many years. It just keeps getting worse with all of the new subdivisions and homes that have been going up in Barrie. The creek needs to be widened to help with the runoff due to all of these new homes. There have been so many studies done and I think that they have all said that by widening the creek the flooding problem can be solved. Relocating the park entrance and closing the Blvd entrance will only cause confusion and problems. There would be no turn around for school busses or garbage trucks at the end of the Blvd. The streets already have chaos during events at the parks. With only one exit it would only get worse. I like alternative 3. I have lived on the Blvd since 1992. I will not attend meeting as I didnt' register in time.

---

[illegible]

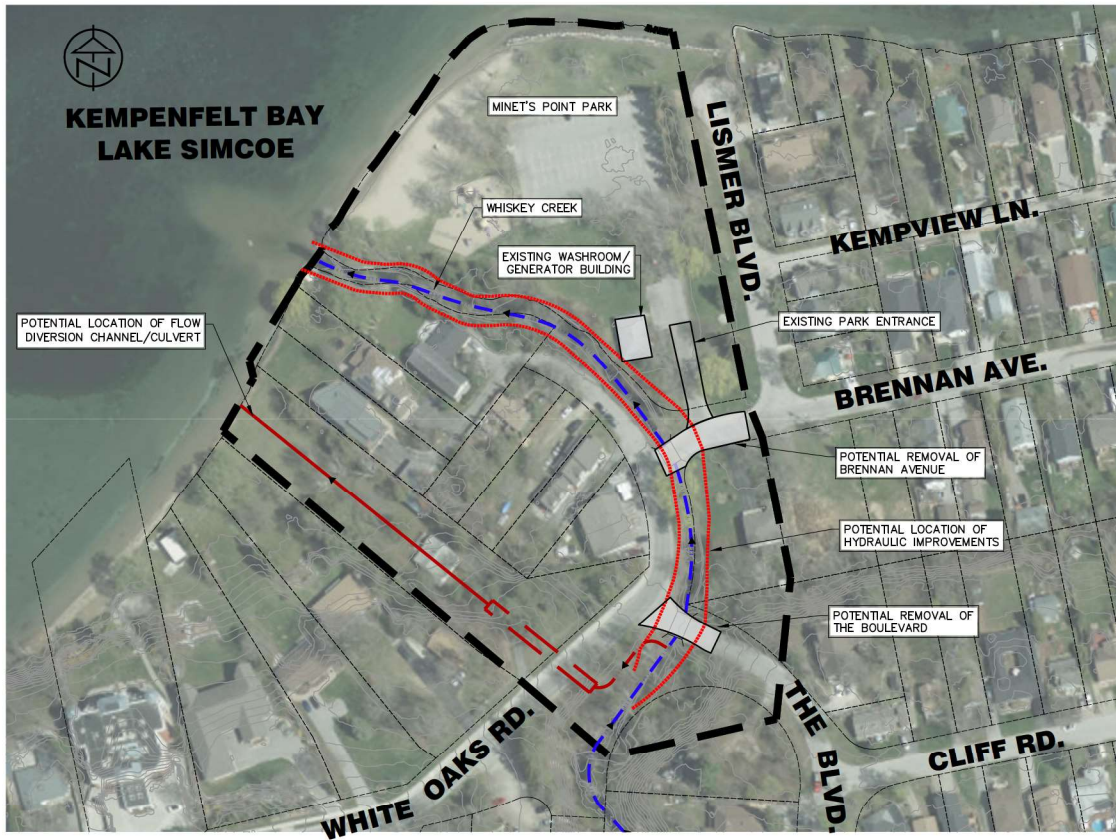
---

**Excellent**

[illegible]



# KEMPENFELT BAY LAKE SIMCOE



KEY PLAN

## LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- EX CONTOUR
- WHISKEY CREEK



## WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

DWG. No.

**FIG.1**

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

JOB NO. 120114

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?



Yes



No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Feb 16, 2021**

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***

**SUBMIT FORM**

February 18, 2021

**Attention: Mr. Nathanael Couperus, MAsc, P.Eng**  
**Senior Infrastructure Planning Technologist**  
**Corporate Asset Management Branch**  
**Infrastructure and Growth Management Division**

City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie, ON L4M 4T5

**RE: Whiskey Creek Drainage Improvements at Minet's Point**  
**Municipal Class EA**  
**Private Homeowner Comments**

Dear Nathanael Couperus,

Thank you very much for speaking with us on Wednesday February 17<sup>th</sup>, regarding the Environmental Assessment process and the options proposed at this time for the Whiskey Creek Drainage Improvements at Minet's Point. We are submitting these comments on a without prejudice bases.

Overall, we are supportive of a solution, which provides some mitigation of the flooding issue, with minimal impact to the community, traffic patterns, and to our personal property.

We would like to state that we previously owned the house at [REDACTED]  
We have lived in the neighbourhood for over 20 years and have witnessed only a few instances of flooding where the water has flowed over The Blvd and down the street toward Kempenfelt Bay. These events are brief and rare, and localized between the two crossings on White oaks. Given the height of the road, I would like to know if there has been any consideration for enhancing the grading of that road to provide additional catch basins and more grade to direct water back to the stream. When the stream has flowed onto the road, the eastern portion of the creek is well below its bank.

We have never witnessed the flooding over Brennan Ave because of the Whiskey Creek overflow. Although I appreciate that in a severe weather event this may be possible, it is somewhat expected given the area is a flood plain.

One of our key concerns with all of the proposals is the impact to our personal property. In our discussions with yourself, other City staff and the consultant over the past few years, we understand the yellow boundary lines identified as "proposed property acquisition" within the mapping of the current report, outlines the greatest possible land required, and it does not necessarily reflect the land required in all options. We feel it important to voice our objection to any land acquisition by the City anywhere close to the illustration on the plans.

Within the last 7 years we constructed a new house on the property, going through the City and the LSRCA. We spent considerable time and money developing a house plan that would avoid any impact to the mature trees on the property, minimize overland flow, and take advantage of passive solar energy. We consulted with the City's arborist to ensure what we were planning would not negatively impact the existing complement of mature trees, including carefully considering how all the lands, particularly

those shown in the yellow line work of the illustrations, would interact with the house, and support the natural heritage and wildlife in the area.


The table lands shown in the yellow line work include some very significant mature deciduous trees which provide shade to the house in the summer and light in the winter. Those lands include the front entrance to the house, a small pond, recreational area for the kids and a vegetation barrier to the street for privacy. Within those lands, there are at least 14 trees that measure the 25cm diameter or greater which is identified in supporting the endangered bat population. We adamantly object to any land taking above the top of bank. We would like to see minimal tree removal in this area and would appreciate being involved in future conversations.

For the benefit of the community, and particularly the property on White Oaks most impacted by the flooding (Joye's Ice Cream) we would be willing to discuss a possible impact to the far north west corner of our property, immediately adjacent to the creek, below the top of bank. We expect to be consulted on possible alternatives for this portion of the plan, and that any work contemplated would respect the integrity of the forest and topography, and if required, slope stabilization if necessary.

We understand detailed drawings showing schematics of the various options are not available at this time and they would be developed at a later stage. Given the impact to our specific property, we are requesting to be kept directly informed on future plans with the redesign of Whiskey Creek specifically but not limited to the change to the culvert at The Blvd, and any plans which impact our property, with sufficient time for review of the documentation and for providing comments.

In Summary:

1. We are supportive of addressing the flooding with minimal cost and impact to the surrounding neighborhood, existing traffic circulation and no impact or potentially minimized impact to our property.
2. We do not support in any way the yellow line illustrating a potential land acquisition of our property to the extent illustrated. We would like to participate in the refinement of this line as soon as possible in this process.
  - a. This illustrated area is intimately integrated in our house design.
  - b. This area includes a number of mature trees, 14 of which exceed the 25cm diameter identified as supporting the bat habitats. (which we have seen flying at dusk around the house)
  - c. The tablelands in this area is a significant portion of our property and would significantly impact the use and enjoyment of our home.
3. Alternative 3 with a minimal conveyance capacity (1:10 year) is preferred. We are looking for an improvement with as little impact as possible.
  - a. We would like as little of our property taken as possible, otherwise, the taking of more of our property would significantly impact the use of our property.
  - b. Protection from erosion needs to be a consideration in the detailed design.
  - c. We expect to be included in detailed discussions regarding any improvements or work regarding The Blvd culvert.
4. We do NOT support any of the options which illustrate a turn around point on our property.
  - a. This turn around point would basically be right outside our front door. Absolutely NOT.

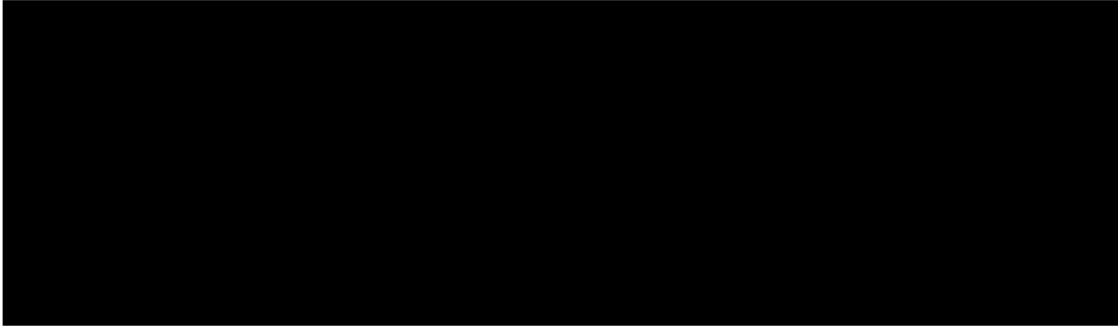
- 
- b. Why would a turn around not be considered down to the west of The Blvd in the flood plain portion of the area next to the pedestrian bridge? Why are we being singled out.
  - c. For clarity concepts illustrated in Alt-5A, Alt-6A- Alt. 5B- Alt. 6B, Alt. 6C, ABSOLUTELY NOT
5. ALT-4B illustrates a proposed transportation Linkage. – we vehemently oppose the option illustrating a new road connection from The Blvd to Brennan.
- a. Not only for the impact to our property which would decimate a number of large mature trees in our woodlot portion of the property and significantly impact our use and enjoyment of our home, It would require the acquisition of a number of private residences, disrupt the entire flow of the neighbourhood and likely negatively impact the local ice cream shop with reduced vehicle traffic.
  - b. It is completely inappropriate to require such a significant contribution for such an insignificant and rare issue.
  - c. This significant impact is completely unwarranted and unfair to the residents who have nothing to do with the flooding issue, for the benefit of homes (a few of them recently approved by the City despite the perceived flooding issue).

Supplemental

In the detailed design stage we would like to bring forward a discussion regarding street lights in the area. As well as Traffic calming.

- Street lights at the corner of The BLVD and White Oaks.
- Traffic calming on White Oaks.

Yours truly,





70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing [Tom.Reeve@barrie.ca](mailto:Tom.Reeve@barrie.ca).

### NAME OF RESPONDENT:

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

### Lingling He, C.E.T., LET, PMP

Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

[illegible]

---

---

---

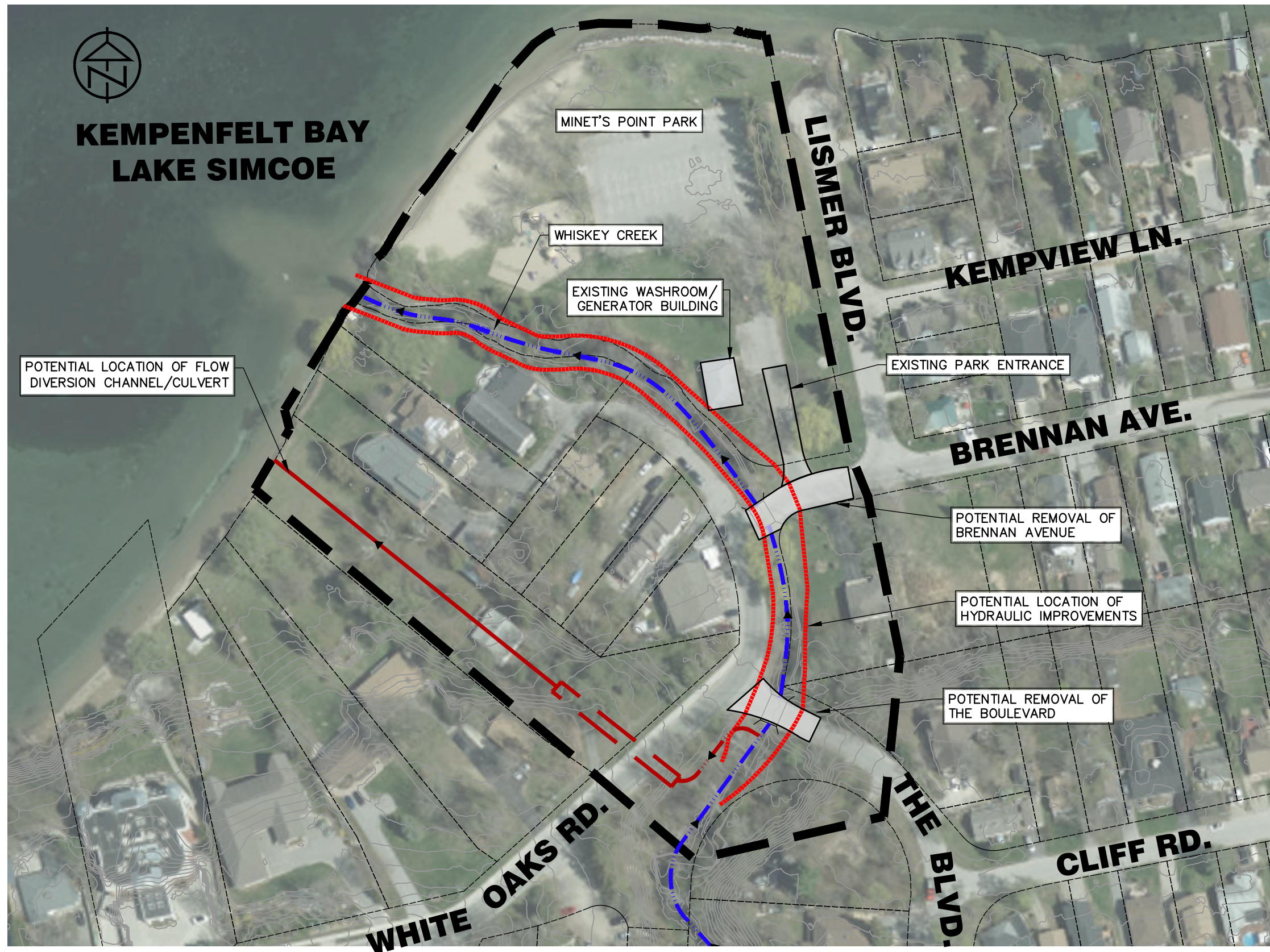
---

---

---



# KEMPENFELT BAY LAKE SIMCOE



**KEY PLAN**

## LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- 250.00 - EX CONTOUR
- WHISKEY CREEK



## WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

DWG. No.

**FIG.1**

JOB NO. 120114

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

S

P

A large black rectangular redaction box covering the response area.

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

### NAME OF RESPONDENT:

[Redacted area for respondent name]

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒

Yes

☐

No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☒

Eliminate the flooding as much as possible, considering other factors such as cost.

☐

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

Privacy and enjoyment of property - With the removal of trees and the fence at the mouth of Whiskey Creek (WC) and the widening of the creek bed, we would

like to be assured that our privacy and ability to enjoy our property lakeside will be respected with the installation of a privacy fence

on the park side, and replanting of trees and shrubs on the park side. Enjoyment of the lake

with a reasonable amount of privacy is one of the reasons we moved to this property. Having that removed or

diminished would devalue our property and our experience living here.

Creek Flow - with the build up of the delta at the mouth and the change of direction of the creek as a result - we would like to see

some repairs made to correct the creek to the original flow direction. As it stands now, our water lot will become filled with silt and sand over time

Wildlife - We enjoy the wildlife on the creek and shoreline and all efforts to preserve this ecosystem and its inhabitants needs to be

made. There are Fishers, Muskrats in numbers, many bird and fish species that live in or on the banks of the creek. This is an

important piece of Barrie from an ecological standpoint. Preservation and recreating the habitat naturally should be a priority.

Property purchases proposed are a concern for our neighbours. Losing your home or land to widen this creek is unfortunate. all efforts to minimize this should be made.

**Whiskey Creek Drainage Improvements at Minet's Point**

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

Alternate 7 - We do NOT support this alternative. The waterwa proposed would disect our property and 36 White Oaks all the way to the lake.

It would impact our properties from an insurance standpoint, from an aesthetics standpoint as well.

All alternates changing the traffic flow and roads - we would not like to have changes to roads or park entrance as a result

Being seperated from the park by a culvert and creek would distrust the standard of living in Minets point.

Alternate 1 - is not logical. a change needs to be made to change the flooding risk to this area.

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) by selecting Whiskey Creek Drainage Improvements at Minet's Point?



**Poor**  
(Much Improvement  
Required)



**Marginal**  
(Some Improvement  
Required)



**Good**



**Very Good**



**Excellent**

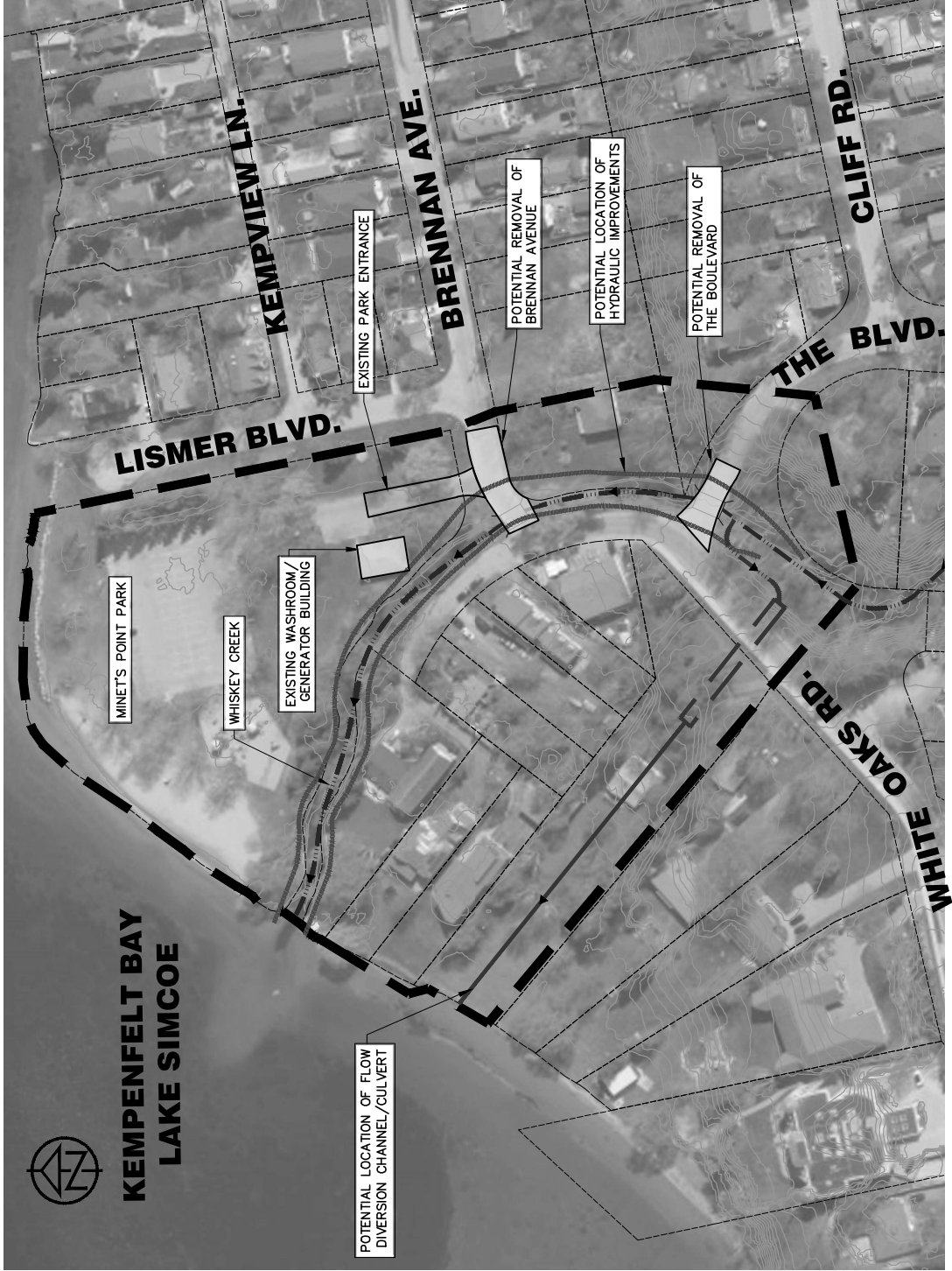
Please add a comment in support of your level of satisfaction below:

The documents are very long for tha average person. Plain language

and photos of the alternates as individual pdfs would be helpful. They could be accompanies by a sound aloud

recording of the people explaining the differences.

Also - I signed up for email notifications and have not received any. We did receive this in the mail.



**KEY PLAN**

**LEGEND**

- EX. PROPERTY LINE
- STUDY AREA
- 250.00 - EX CONTOUR
- WHISKEY CREEK

|  |                                                                                                   |            |                |              |
|--|---------------------------------------------------------------------------------------------------|------------|----------------|--------------|
|  | <b>WHISKEY CREEK</b><br><b>DRAINAGE IMPROVEMENTS</b><br>Evaluated Alternative Considerations Plan |            | DWG. No.       | <b>FIG.1</b> |
|  | SCALE: 1:1500                                                                                     | DRAWN: JGH | DATE: SEPT./20 |              |
|  |                                                                                                   |            | JOB NO. 120114 |              |

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☒ Yes☐ No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Feb 16, 2021**

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

### NAME OF RESPONDENT:

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available online on the City of Barrie web page at the following link: <http://www.barrie.ca/City%20Hall/environmental-assessment-studies/Pages/Whiskey-Creek-Drainage-Improvements-at-Minets-Point.aspx>. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"  
**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm  
Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm  
**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒ Yes

No

2. Do you expect the improvements to:

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☒ Eliminate the flooding as much as possible, considering other factors such as cost.

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

Yes

☒ No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

Yes

☒ No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

We are very concerned with the idea of closing off one of the two exits/entrances in/to the area. It's very important we have two exists/entrances, to plan ahead of floods that happen often at Whitty LN and Brannan Ave and/or potential accidents/emergencies that can end up blocking the exit/entrance. We also have a lot of runners/walkers along Brennan Ave connecting to or from the waterfront's path. Seeing as we don't have sidewalks, eliminating a second exit/entrance for cars at Brennan and White Oaks will increase the number of car traffic on Brennan Ave drastically (all cars will come and go from Brennan/Hurst). This will render the street very congested, busy and dangerous. It will no longer be peaceful. Currently visitor all come from Lakeshore Blvd and not Hurts. Traffic flow from there is quietest and impacts far less residents. Not to forget these residents having long front yards, the cars are no where near the home. Along Brennan, the homes are much closer to the road.

We also do not agree with moving the entrance to Minet's Park to Lismer. The street is already very narrow and congested and can barely handle the visitors and folks parking. Having people come and go from the park via a Lismer entrance will be a nightmare. People visit the park all day and night. Not just to use the lake or beach but to watch the sunset, enjoy a coffee or just to hangout. Will be too busy and more than likely encourage drivers to use Kempview Lane. A road not intended for a lot of traffic, really just a lane for neighbours to access their properties. This would then require them to use Whitty Ln, also very narrow and not equipped to handle Minet's numerous visitors all day and all year long.

As much as I would like wildlife to be preserved, it's a small creek with few trees at Minet's, I rather the city do a better job at preserving neighbours properties and not eliminate exists and changing the entrance to park. Please minimize the impact to 199 The Blvd.

199 The Blvd just built there home. It would be very unfair to take a more than absolutely necessary of their land for the Creek's sake.

As for Stan, if construction isn't going to happen for 5 years please give him the option to stay as long as possible. He'll be 80 by then and perhaps at more of an age that moving is required. He loves his home and didn't ever think the City would need that much of his land. I understand the necessary evil but if you're not going to build immediately, consider giving him time.

Lastly, I read on the neighbourhood's Facebook page that there are several neighbours, like me, that have Deeded Access to Minet's Point Park. I have no clue what that means but must mean something.

Usually it means we have the right to go through to access the water. I suspect the definition has changed over the years, especially after they closed the boat launch (of which I'm unsure was legal or not to

those with the deeded access) and seeing as the Park was once private and maintained by the neighbours. If the Deeded Access is still legitimate, it should be kept in mind during planning and preserving. What ever it may mean.???

---

---

---

---

---

---

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☐ Yes ☐ No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03 WH2

**Whiskey Creek Drainage Improvements at Minet's Point  
Municipal Class Environmental Assessment  
Virtual Public Meeting Q&A Session Registration Form**

If you wish to attend the Virtual Public Meeting Q&A Session on February 9, 2021 or February 16, 2021 complete this form and click "Submit Form" below to email the completed form to Lingling He, Senior Water Technologist at the City of Barrie. Or print and take a high resolution photo of the completed form and email to Lingling.He@barrie.ca.

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: Lingling.He@barrie.ca

Alternatively, you may send an email or call Lingling He at the email address/phone number above to register.

**ATTENDEE NAME:**

**REPRESENTING (Agency, Municipality, Property Owner, Tennant , Etc.):**

**ADDRESS (Including postal code and telephone number):**

**Street Address:**

**Postal Code:**

**Unit/Apt:**

**Telephone Number:**

**Email Address:**

**Which Virtual Public Meeting Q&A Session would you prefer to attend?**

February 9, 2021 (5:00 pm to 7:00 pm)

February 16, 2021 (5:00 pm to 7:00 pm)

The Public Meeting Q&A Session is being held virtually using Microsoft Teams which allows participants to join by computer, mobile app or phone. **How do you plan to attend the Virtual Public Meeting Q&A Session?**

Microsoft Teams (Computer or Mobile App)

Call-in using Phone

Registration for the Virtual Public Meeting Q&A Session will close at 4:00 pm (1 hour prior to the start of the meeting) on the respective meeting date. Upon registering for the virtual public meeting Q&A session, details allowing each participant to connect to the virtual meeting (either through Microsoft Teams or by phone) will be provided to each participant.

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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

NAME OF RESPONDENT:

[Redacted area for respondent name]

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

**Lingling He, C.E.T., LET, PMP**

Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒

Yes

☐

No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☐

Eliminate the flooding as much as possible, considering other factors such as cost.

☒

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

The following is stated respectfully, but honestly. Relocating the park entrance to

Lismer is not the solution and I strongly object to this - what to me seems

not a fully thought out - course of action. Living in this area for close to 15 years, across

the street from the park, one develops a good sense of the flow of traffic into the park.

Presently, the traffic flow is well managed and is contained to the present entrance.

It is also an intuitive park entrance - this is why it has been there for years. The

proposed relocation would expand the traffic flow area and make it more complex. It

encroaches into more quiet residential areas, turning them into busier streets.

This includes night visitors/traffic. Why turn something that already works into something

more complicated, less intuitive and less pleasant for the community? Why extend

the traffic flow and encroach it into the community more than it needs to be? In terms of the flooding- they are not a common

**Whiskey Creek Drainage Improvements at Minet's Point**

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

occurrence. The expanded culvert diameter and the widening of the creek will take care of this.

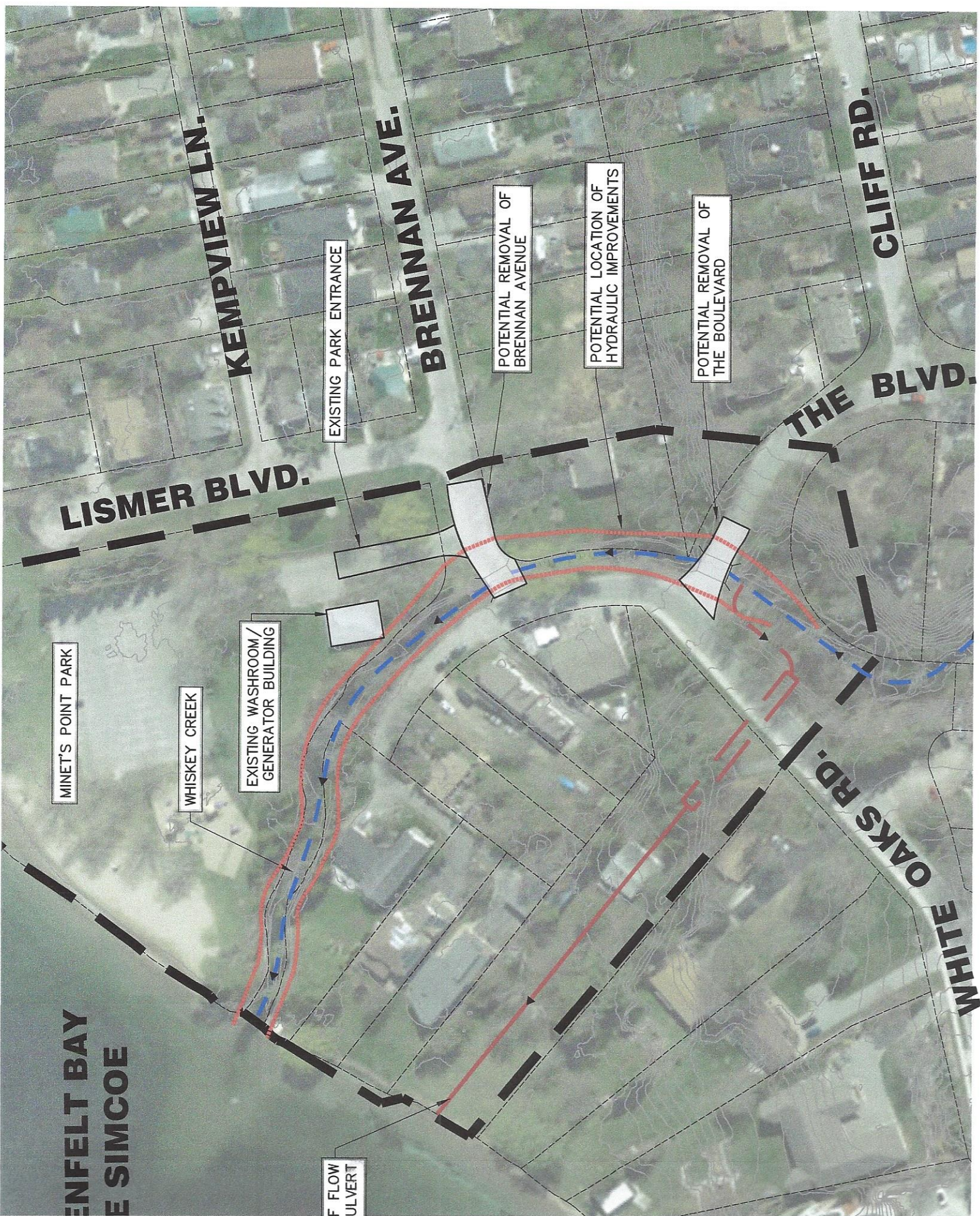
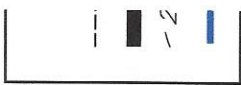
There is **ABSOLUTELY NO NEED** to redesign the entire traffic flow of the area to accomplish this objective. I am a resident living on the corner of Lismer and Kempview Lane. My home was purchased because of the present traffic arrangements, but I am sure I am not the only one who would have serious concerns with your proposal. More importantly, something of this magnitude needs to be addressed in a proper face-to-face format that is conducive to proper engagement. Doing this during the COVID time of high stress and limitations is surely not the way to go. I therefore ask that this entire process be postponed for a more suitable time. Secondly, I ask for an actual meeting with the residents who are most directly impacted by this relocation of the park entrance. It is a proposal that is not well thought out, It goes against the grain of common sense and logic and even more importantly against the spirit of this community.

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) by selecting Whiskey Creek Drainage Improvements at Minet's Point?

**Poor**(Much Improvement  
Required)**Marginal**(Some Improvement  
Required)**Good****Very Good****Excellent**

Please add a comment in support of your level of satisfaction below:

I reiterate the above. Now (the COVID period) is not the time to hold a (virtual) meeting to discuss something of this nature and magnitude. Virtual meetings are a present day necessity' they are not a substitute for an authentic face-to-face discussion - which is what is required here. I am actually surprised that you have opted for the on-line route. I did not attend the meeting because I was not aware of it. I have now communicated with those who have. My absence should not be viewed as indifference. I would like to discuss this matter further. Whom shall I contact?



Whiskey Creek Drainage Improvements at Minet's Point

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

Please submit your comments by **Wednesday February 17, 2021** to:

Lingling He, C.E.T., LET, PMP  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

*Thank you for your comments*

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing [Tom.Reeve@barrie.ca](mailto:Tom.Reeve@barrie.ca).

### NAME OF RESPONDENT:

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

### Lingling He, C.E.T., LET, PMP

Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

## Whiskey Creek Drainage Improvements at Minet's Point

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?



Yes



No

2. Do you expect the improvements to:

Completely eliminate all flooding in the area, no matter the other impacts or costs.



Eliminate the flooding as much as possible, considering other factors such as cost.

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?



Yes

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?



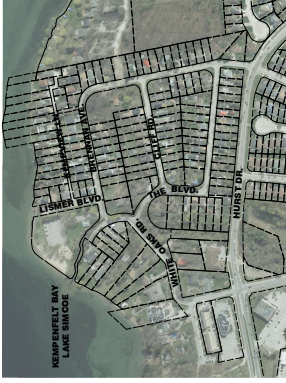
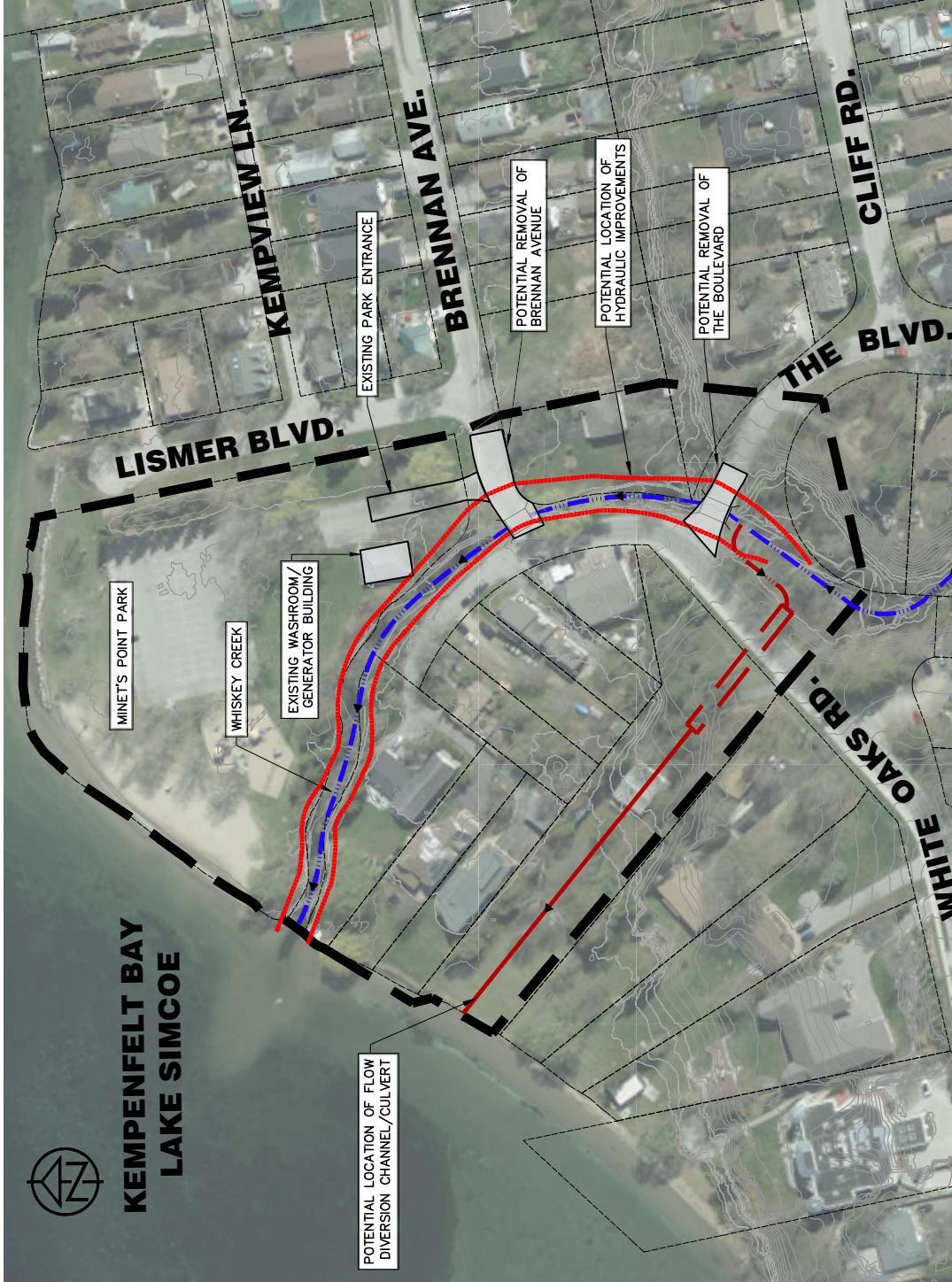
Yes

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

No concerns of alternative 3.

This sheet included a plan of alternative 7 which is not the the preliminary preferred alternative solution.



**KEY PLAN**

**LEGEND**

- EX. PROPERTY LINE
- STUDY AREA
- 250.00 - EX CONTOUR
- WHISKEY CREEK

|  |                                                                                                   |            |                |              |
|--|---------------------------------------------------------------------------------------------------|------------|----------------|--------------|
|  | <b>WHISKEY CREEK</b><br><b>DRAINAGE IMPROVEMENTS</b><br>Evaluated Alternative Considerations Plan |            | DWG. No.       | <b>FIG.1</b> |
|  | SCALE: 1:1500                                                                                     | DRAWN: JGH | DATE: SEPT./20 |              |
|  |                                                                                                   |            | JOB NO. 120114 |              |

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing Tom.Reeve@barrie.ca.

### NAME OF RESPONDENT:

[Redacted area]

attend (registration required)

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

### Lingling He, C.E.T., LET, PMP

Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

[illegible]

---

---

---

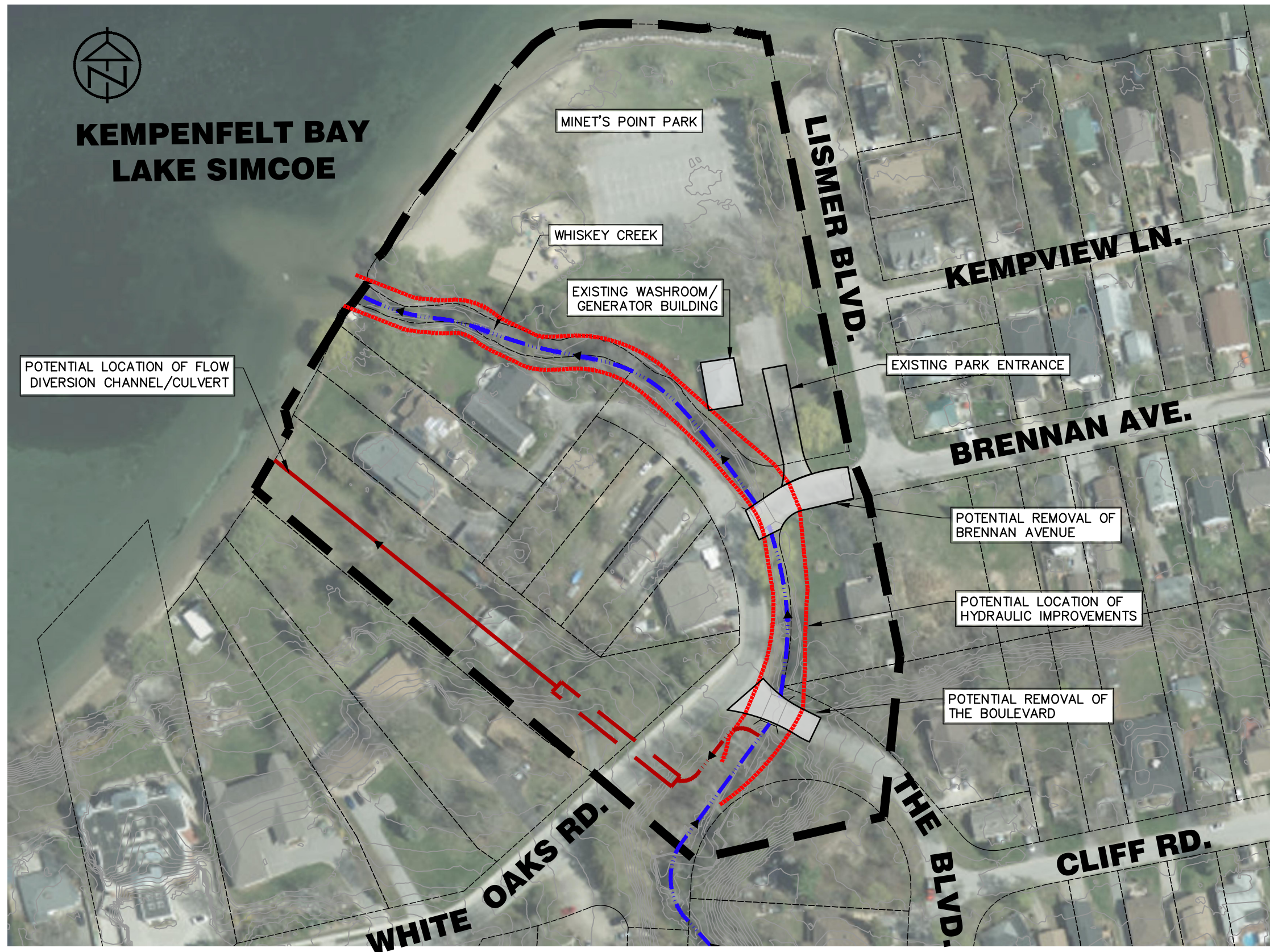
---

---

---



# KEMPENFELT BAY LAKE SIMCOE



**KEY PLAN**

## LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- 250.00 - EX CONTOUR
- WHISKEY CREEK



## WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

DWG. No.

**FIG.1**

JOB NO. 120114

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☐ Yes ☐ No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing [Tom.Reeve@barrie.ca](mailto:Tom.Reeve@barrie.ca).

### NAME OF RESPONDENT:

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

### Lingling He, C.E.T., LET, PMP

Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒

Yes

☐

No

2. Do you expect the improvements to:

☒

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☐

Eliminate the flooding as much as possible, considering other factors such as cost.

☐

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

i have no problem with Alternative 3 but the closing of Brennan Avenue from White oaks to lismer Blvd

will cause traffic flow concerns and an increase of the traffic would or could become hazardous

to persons or property there is no sidewalk that part of Brennan Ave

Whiskey Creek Drainage Improvements at Minet’s Point

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

i have had concerns with the flooding of whiskey creek since Barrie annexed that portion from Innisfil  
if you would take the time to read the Emails and paperwork i submitted to the Engineering adept over the years  
you will note that i mention the culvert that was put into place when water and sewage work was being done  
the culvert was directed at my property (i mentioned this at the time )over the years this problem has eroded r  
property considerably causing shrubs to drop into the creek and my four trees now have exposed roots and a  
the only reason the trees hathe only reason they hathe only reason they haven't fallen into the creek is becau  
year after year I've been told the problem would be cleaned next year

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at barrie.ca/EAstudies by selecting Whiskey Creek Drainage Improvements at Minet's Point?

☐

**Poor**  
(Much Improvement  
Required)

☒

**Marginal**  
(Some Improvement  
Required)

☐

**Good**

☐

**Very Good**

☐

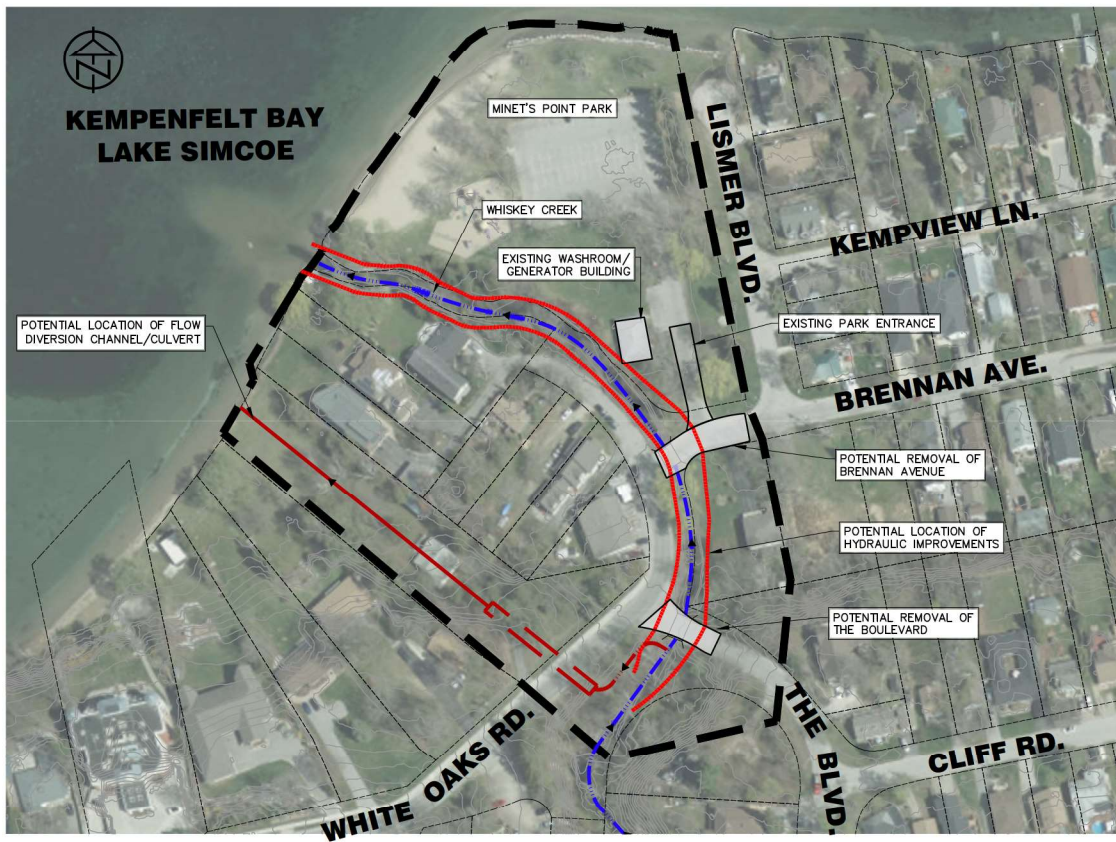
**Excellent**

Please add a comment in support of your level of satisfaction below:

im notary literate when it comes to computers so i won't be doing the virtual presintation



# KEMPENFELT BAY LAKE SIMCOE



KEY PLAN

## LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- EX CONTOUR
- WHISKEY CREEK



## WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

DWG. No.

**FIG.1**

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

JOB NO. 120114

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☒

Yes

☐

No

Signature: \_\_\_\_\_

Date: 02/02/21

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing [Tom.Reeve@barrie.ca](mailto:Tom.Reeve@barrie.ca).

attend (registration required)

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?



Yes



No

2. Do you expect the improvements to:



Completely eliminate all flooding in the area, no matter the other impacts or costs.



Eliminate the flooding as much as possible, considering other factors such as cost.



Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?



Yes



No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?



Yes



No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

*I have had a home in the area for 34 years. I am only aware of significant flooding on one occasion.*

*I believe that increasing the water carrying capacity of the culvert and ensuring the clear passage of the creek beside the park to the lake is all that is needed.*

*Now, a much more urgent repair is to cover the culvert on White Oak Lane which acts as a breeding spot for mosquitoes, particularly to spread complications unless done during hot summers!*

*Thap*

## Whiskey Creek Drainage Improvements at Minet's Point

Please list below any concerns or comments you have related to the flooding in the study area, the alternative solutions considered and/or this project:

*Please deal with the current a Whitty Lane.*  
*Thanks*

Are you satisfied with the level of detail of the information presented herein, via the Virtual Public Meeting, and provided on the City website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) by selecting Whiskey Creek Drainage Improvements at Minet's Point?



**Poor**  
(Much Improvement  
Required)



**Marginal**  
(Some Improvement  
Required)



**Good**



**Very Good**



**Excellent**

Please add a comment in support of your level of satisfaction below:

*Fortunately, I know the area well.*  
*More detail of the proposals could have been included.*

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

*Thank you for your comments*

**SUBMIT FORM**



70 Collier Street, P.O. BOX 400  
Barrie Ontario L4M 4T5  
Barrie.ca

Project # D03-WH2

## Whiskey Creek Drainage Improvements at Minet's Point Municipal Class Environmental Assessment 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 Tom Reeve, Senior Project Manager – Water/Wastewater Planning, by calling (705) 739-4220 ext. 4465 or emailing [Tom.Reeve@barrie.ca](mailto:Tom.Reeve@barrie.ca).

### NAME OF RESPONDENT:

[Redacted area]

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

*"An opportunity exists to improve the hydraulic capacity of Whiskey Creek, including the Brennan Avenue and The Boulevard culvert crossings, to reduce the frequency of flooding downstream of The Boulevard to Kempenfelt Bay. There is also an opportunity to reduce erosion, improve habitat (both fish and terrestrial), reduce maintenance requirements, and reduce public safety hazards through improvements to Whiskey Creek through the study area."*

A PDF version of the Draft Municipal Class EA Report is available City of Barrie website at [barrie.ca/EAstudies](http://barrie.ca/EAstudies) and select Whiskey Creek Drainage Improvements at Minet's Point. Alternatively, if you are unable to access this report, accommodations can be made to access a hard copy of the report by contacting Lingling He using the contact information below:

### Lingling He, C.E.T., LET, PMP

Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

As part of the Whiskey Creek Drainage Improvements at Minets Point EA, the following alternatives were considered:

**Existing Condition:** Alternative 1 – "Do Nothing"

**Hydraulic Improvements:** Alternative 2 – Improve Culverts/Watercourse to Convey 1:100-Year Design Storm

Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm

**Flow Diversions:** Alternative 7 - Additional Conveyance Route (Flow Diversion) Through 36 White Oaks Road

In addition to the alternative solutions presented above, hydraulic improvements (Alternatives 2 & 3) were considered with various transportation system modifications (Alternatives 4 through 6).

Following a comprehensive review of the alternative solutions, and completion of the alternatives evaluation the preliminary preferred alternative solution has been selected. The preliminary preferred alternative solution is Alternative 3 – Improve Culvert/Watercourse to Convey Less Than 1:100-Year Design Storm.

**Whiskey Creek Drainage Improvements at Minet's Point**

The alternative drainage solutions will be re-evaluated and a preferred alternative solution will be selected after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Please answer the following questions to assist with the evaluation of the alternative solutions being considered (see Fig.1 provided overleaf for additional information):

1. Do you feel improvements are required to reduce flooding in the study area?

☒

Yes

☐

No

2. Do you expect the improvements to:

☐

Completely eliminate all flooding in the area, no matter the other impacts or costs.

☒

Eliminate the flooding as much as possible, considering other factors such as cost.

☐

Eliminate some flooding in the area, if that can be done for very little cost.

3. Do you feel relocating the existing park entrance from Brennan Avenue to Lismer Boulevard is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

4. Do you feel that the closing of either Brennan Avenue (between White Oaks Road and Lismer Boulevard) or The Boulevard immediately east of White Oaks Road, or closing of both is appropriate as part of the solution to reduce flooding in the study area?

☐

Yes

☒

No

Please list below any concerns or comments you have related to the preliminary preferred alternative solution (Alternative 3):

We support the preliminary preferred solution: Alternative 3, and would prefer to mitigate flooding to 1:50 if possible.

However, IF this cannot be achieved without relocating the park entrance to Lismer Blvd at Kempview Lane,

we support mitigating flooding to 1:10. Our concern is that the relocation of the park entrance to Lismer Blvd

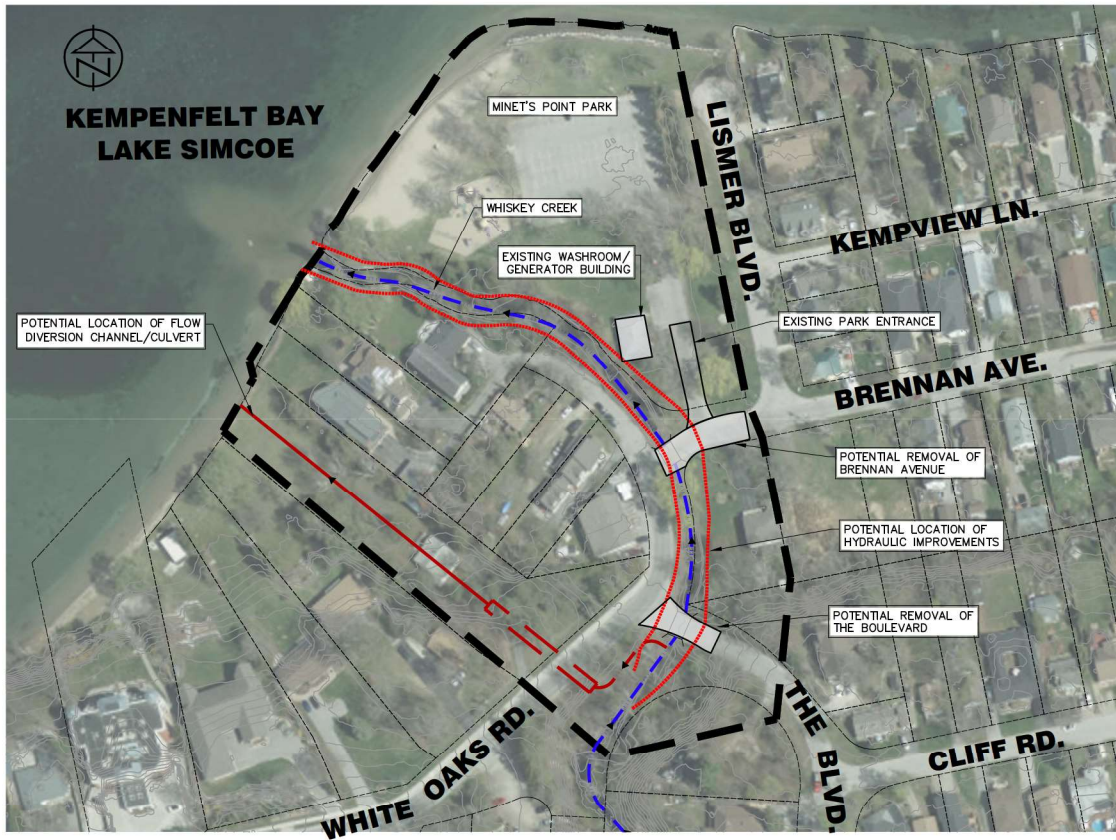
at Kempview Lane will increase traffic along Kempview Lane. Kempview Lane is, for all practical purposes, a single lane.

It does not readily accomodate two-way traffic - particularly when garbage/emergency vehicles are present.

[illegible]



# KEMPENFELT BAY LAKE SIMCOE



KEY PLAN

## LEGEND

- EX. PROPERTY LINE
- STUDY AREA
- EX CONTOUR
- WHISKEY CREEK



## WHISKEY CREEK DRAINAGE IMPROVEMENTS

Evaluated Alternative Considerations Plan

DWG. No.

**FIG.1**

SCALE: 1:1500

DRAWN: JGH

DATE: SEPT./20

JOB NO. 120114

**Whiskey Creek Drainage Improvements at Minet's Point**

Do you wish to be informed of the staff recommendation for the Preferred Alternative Solution?

☒

Yes

☐

No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please submit your comments by **Wednesday February 17, 2021** to:

**Lingling He, C.E.T., LET, PMP**  
Senior Water Technologist  
City of Barrie  
70 Collier Street, P.O. Box 400  
Barrie ON, L4M 4T5  
Tel: (705) 739-4220, ext. 5291  
Email: [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca)

After digitally completing this form you may click "Submit Form" below to email the completed form to Lingling He or save a copy or take a high-resolution photo of the completed form and email to [Lingling.He@barrie.ca](mailto:Lingling.He@barrie.ca). Alternatively, you may contact Lingling He via telephone to arrange for dropping off a hard copy of the completed form.

***Thank you for your comments***

**SUBMIT FORM**