

**TOWN OF INNISFIL**

**7<sup>TH</sup> LINE STORM DRAINAGE OUTLET**  
**SCHEDULE "B"**  
**CLASS ENVIRONMENTAL ASSESSMENT**

**SUMMARY REPORT**

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File No. 299252  
March, 2007

**TOWN OF INNISFIL  
7<sup>th</sup> LINE STORM DRAINAGE OUTLET  
SCHEDULE “B” CLASS ENVIRONMENTAL ASSESSMENT**

**TABLE OF CONTENTS**

1. INTRODUCTION AND PROJECT HISTORY.....	2
2. PROBLEM STATEMENT .....	2
3. SERVICE & STUDY AREAS .....	3
4. ALTERNATIVE SOLUTIONS.....	3
5. RECOMMENDED SOLUTION .....	5
6. REVIEW AGENCY CONSULTATION.....	5
7. PUBLIC CONSULTATION .....	6
8. ADDITIONAL ALTERNATIVES.....	6
9. SELECTION OF PREFERRED SOLUTION.....	8
10. RATIFICATION OF PREFERRED SOLUTION .....	8
11. NOTICE OF COMPLETION.....	8
12. MEMO TO MOE .....	9
13. CONCLUSION .....	9

**APPENDICES:**

APPENDIX A	- MINUTES OF TECHINCAL STEERING COMMITTEE (TSC) MEETINGS
APPENDIX B	- NOTICE OF COMMENCEMENT & PUBLIC INFORMATION CENTRE
APPENDIX C	- PUBLIC INFORMATION CENTRE PRESENTATION BOARDS AND QUESTIONNAIRE
APPENDIX D	- LIST OF REVIEW AGENCIES
APPENDIX E	- PUBLIC COMMENTS AND AINLEY SUMMARY, DATED FEBRUARY 1 <sup>ST</sup> , 2006
APPENDIX F	- TOWN OF INNISFIL STAFF REPORT NO. PDS-120-06 AND COUNCIL RECOMMENDATION, DATED NOVEMBER 1 <sup>ST</sup> , 2006
APPENDIX G	- NOTICE OF COMPLETION AND RELATED CORRESPONDENCE
APPENDIX H	- MEMO TO MOE, DATED FEBRUARY 16 <sup>TH</sup> , 2007

# TOWN OF INNISFIL CROSSROADS WATER SUPPLY SCHEDULE "B" CLASS ENVIRONMENTAL ASSESSMENT

## PROJECT SUMMARY REPORT

### 1. INTRODUCTION AND PROJECT HISTORY

Within the Town of Innisfil, Watercourse No. 5 meanders adjacent to the 7<sup>th</sup> Line then crosses to the south side of the road where it intersects with St. John's Road, before converging with Lake Simcoe. The watershed for this tributary is comprised of approximately 1000 hectares of land, including undeveloped lands to the west of the 20<sup>th</sup> Sideroad as well as developed lands on both the north and south sides of the 7<sup>th</sup> Line.

The section of Watercourse No. 5 downstream of St. John's Road has a history of flooding during storm events, which has been evident since before the development of the lands occurred adjacent the 7<sup>th</sup> Line.

As such, in September of 2005, the Town of Innisfil retained the Ainley Group to conduct a Municipal Class Environmental Assessment (Class EA) planning process to consider alternatives to improve the drainage capacity of Watercourse No. 5 from St. John's Road to Lake Simcoe.

The Schedule "B" Class EA planning process involved the completion of Phases 1 & 2 as outlined in the MEA Class EA Document, dated June 2000. This Report summarizes the Class EA process.

### 2. PROBLEM STATEMENT

In Phase 1 of the Class EA process, a Technical Steering Committee (TSC) was created, consisting of members from both the Town of Innisfil and The Ainley Group.

Copies of the minutes of the Technical Steering Committee (TSC) meetings held between October and November of 2005 are provided in Appendix A.

Following discussions at the TSC meetings, the Problem Statement was finalized and included the following issues:

- The section of Watercourse No. 5, between St. John's Road and Lake Simcoe, experienced flooding during various storm events prior to the development of the newer subdivisions along the north and south sides of the 7<sup>th</sup> Line.
- The Town does not own the lands or have easements in the area where this section of the watercourse traverses.
- The Class EA was being undertaken to identify alternative solutions to improve the existing capacity condition.

The Problem Statement was incorporated into the “Notice of Commencement and Public Information Centre” published in December of 2005 as well as in Plate # 2 of the Public Information Centre (PIC) Presentation Boards, presented in January of 2006. Copies of these documents can be found in Appendix B and C, respectively.

### **3. SERVICE & STUDY AREAS**

The limits of the Service and Study Areas for the Class EA were confirmed in Phase 1 of the planning process and are shown on the “Notice of Commencement & Public Information Centre”, provided in Appendix B.

### **4. ALTERNATIVE SOLUTIONS**

As part of Phase 2, the following Alternative Solutions to the identified Problem were considered and presented at the Public Information Centre in January of 2006:

**Alternative 1: Do Nothing**  
(No Cost)

As part of the Alcona Secondary Plan, the Town has planned improvements to the 7<sup>th</sup> Line, including the replacement of the road crossing culvert at the intersection of St. John’s Road.

The “Do Nothing” Alternative considered the option of taking no further action other than what was already planned by the Town.

While there would be no cost associated with this solution, it would not address the flooding issues.

**Alternative 2: Construct a Piped Outlet to Lake Simcoe Along the 7<sup>th</sup> Line**  
(Estimated Cost of \$750,000)

This alternative would involve the installation of an underground pipe along the 7<sup>th</sup> Line from St. John’s Road to Lake Simcoe and would require the complete reconstruction of the roadway as well as some reconstruction work on Cross Street. Due to site constraints, the largest diameter pipe that could be installed is 1350 mm, which would have a capacity that is less than the flows from the 2-year storm event and less than 14% of the flows from the 100-year event.

Therefore, while the piped outlet would re-direct a small amount of the flows away from the areas currently experiencing flooding, due to the size of the contributing area, the reduction in flows would be considered minimal and the construction costs would be extensive.

**Alternative 3: Lower the Profile of the 7<sup>th</sup> Line between St. John’s Road and the Lakeshore to provide an Overland Flow Route**

(Estimated Cost of \$850,000)

The current profile of the 7<sup>th</sup> Line includes a high point just west of the intersection with Simcoe Boulevard. This alternative examined the potential for removing this high point to provide positive drainage to the Lake.

It was determined that for this alternative to work, the high point on the 7<sup>th</sup> Line would have to be reduced by approximately 1.5 m, which would result in the requirement to lower the watermain, relocate utilities, re-grade several lots and install several retaining walls. The 7<sup>th</sup> Line would also have to be reconstructed to an urban cross-section from St. John’s Road to Cross Street, and approximately 80 m of Simcoe Boulevard would require reconstruction. Finally, the piped outlet to the Lake would result in the removal of the 7<sup>th</sup> Line Beach.

It was; therefore, agreed that the high costs and potential impacts associated with this alternative outweighed the minimal benefit of diverting some of the major flows.

**Alternative 4: Increase the Conveyance Capacity of the Structure at Cross Street**

(Estimated Cost of \$400,000)

The existing culvert structure at Cross Street as well as the current road profile and the water level in Lake Simcoe act as restrictions, which contribute to the flooding of Watercourse No. 5.

This alternative would involve the replacement of the existing structure with a concrete arch span structure, which would provide a significant reduction in flooding during the more frequent storms, of up to the 5-year event.

While there would be little reduction in flooding during the less frequent storms, given that it involves less extensive construction and is less expensive than other alternatives, this was identified as a viable solution.

**Alternative 5: Turn Cross Street into a Cul-de-Sac and Remove Existing Structure Entirely**

(Cost Not Assessed)

As previously stated, the existing culvert structure at Cross Street as well as the current road profile and the water level in Lake Simcoe act as restrictions, which contribute to the flooding of Watercourse No. 5.

This alternative would involve the elimination of the watercourse crossing altogether, which would produce similar results as Alternative 4 in reducing the flooding in the watercourse during the more frequent storm events.

The major disadvantages involve the potential transportation and access issues that this alternative would create, which could be avoided by selecting Alternative 4.

**Alternative 6: Create a Stormwater Detention Facility on Town Owned Lands**  
(Cost Not Assessed)

This alternative would involve the construction of a Stormwater Detention Facility on lands owned by the Town at the northwest corner of St. John's Road and the 7<sup>th</sup> Line.

It was determined that the total available storage volume that could be obtained would not provide any additional benefit for even the more frequent storm events, due to the magnitude of the catchment area, of approximately 1000 hectares.

As a result, this alternative was not pursued any further.

**Alternative 7: Implement Measures Within Channel Limits**  
(Cost Not Assessed)

This alternative examined the potential for implementing measures such as increasing the slope of the channel, increasing the cross-section of the channel, or the construction of levees within the watercourse. However, given the high water level in the Lake, the proximity of the channel to the existing residential structures, and the fact that the Town does not own or have access to the land on which the watercourse traverses, downstream of St. John's Road, the only feasible option is to raise the bank elevations using a levee system.

Discussions with the Conservation Authority revealed that a levee system would not be recommended due to the extreme volume of flow in the watercourse and considering the safety concerns associated with a potential breach of a levee system.

As a result, this alternative was not pursued any further.

## **5. RECOMMENDED SOLUTION**

After considering all of the aforementioned solutions, the TSC selected a Recommended Solution of increasing the conveyance capacity of the existing structure at Cross Street. The Recommended Solution was presented on Plate #17 of the Public Information Presentation Boards included in Appendix C.

## **6. REVIEW AGENCY CONSULTATION**

As required by the Class EA planning process, a copy of the Notice of Public Information Centre for the Crossroads Class EA was sent to the various review agencies listed in Appendix D. The review agencies were invited to the PIC and were encouraged to provide comment.

Responses were received from Rogers Cable, Bell Canada, and the Ministry of Municipal Affairs. All agencies requested that they be kept informed of the project. Further, Bell Canada cautioned that they have extensive plant in the subject area and that the high cost of relocation be considered in the alternative selection process.

## 7. PUBLIC CONSULTATION

In addition to notifying the various review agencies, the public was notified of the Public Information Centre in three ways:

1. The Notice of Public Information Centre was published in the following local newspapers:

Innisfil Enterprise – Friday December 16<sup>th</sup>, 2005  
Innisfil Scope – Wednesday December 21<sup>st</sup>, 2005

2. Copies of the Notice were hand delivered to each property owner within the Service Area on Tuesday December 20<sup>th</sup>, 2005.
3. The Notice was posted on the Town's web site.

The Public Information Centre was held on January 10<sup>th</sup>, 2006 at the Municipal Office of the Town of Innisfil to provide opportunity for the public and review agencies to review the alternatives proposed and to comment on the Recommended Solution. A complete copy of the PIC Presentation information is included in Appendix C.

A total of nineteen (19) individuals attended the PIC and were provided with a Questionnaire for comment purposes. A copy of the Questionnaire is also included in Appendix C.

A summary of the six (6) responses received from the public were documented in an Ainley memo, dated February 1<sup>st</sup>, 2006, a copy of which is included in Appendix E. Five of the six respondents agreed with the selection of Alternative 4 as the Recommended Solution.

## 8. ADDITIONAL ALTERNATIVES

As a result of comments received at the Public Information Centre, the following additional alternative was considered:

**Alternative 8: Purchase the Affected Properties**  
(Estimated Cost of \$2,000,000)

This alternative examined the possibility of purchasing the properties affected by the flooding of the creek. However, given the extent of flooding during the Regional Event, the properties considered for purchase were only the ten properties immediately adjacent the creek, which are within the 25-year storm floodline.

Assuming that all residents would be willing to sell their property and assuming an average purchase price of \$200,000 per property, the total estimated cost of this alternative would be in the order of \$2M. This would not include any remedial work that could also be completed on the properties, once purchased, to further reduce flooding.

Due to the high cost of this alternative, it was not pursued any further.

In addition, at the request of the Town, a preliminary assessment of the potential to provide stormwater detention on property upstream of the Alcona Secondary Plan area was completed through the development of three additional alternatives, which are detailed below.

**Alternative 9: Provide Stormwater Detention to control the 10-Year flows to 5-Year Levels at the Outlet to Lake Simcoe**

(Estimated Cost of \$1,500,000)

For this alternative, it was estimated that a storage volume of approximately 65,000 m<sup>3</sup> and a land area of approximately 4 hectares would be required to control the 10-year flows to 5-year levels at the Outlet to Lake Simcoe.

Using an estimated cost of \$15/m<sup>3</sup> for facility construction and \$25,000/acre for land acquisition, including factors for the completion of a watershed study as well as engineering design, the total estimated cost for this alternative would be in the order of \$1.5M.

**Alternative 10: Provide Stormwater Detention to control the 25-Year flows to 9.1 m<sup>3</sup>/s at the Outlet to Lake Simcoe (approx. 30% greater than 5-Year Levels)**

(Estimated Cost of \$2,700,000)

For this alternative, it was estimated that a storage volume of approximately 140,000 m<sup>3</sup> and a land area of approximately 9 hectares would be required to control the 25-year flows to 9.1 m<sup>3</sup>/s at the Outlet to Lake Simcoe.

(\*Note: The target rate of 9.1 m<sup>3</sup>/s was used as it was not possible to achieve a reduction to 5-Year Levels based on the requirements of the MSDP for the Alcona Secondary Plan Area.)

Using an estimated cost of \$15/m<sup>3</sup> for facility construction and \$25,000/acre for land acquisition, including factors for the completion of a watershed study as well as engineering design, the total estimated cost for this alternative would be in the order of \$2.7M.

**Alternative 11: Provide Stormwater Detention to control the 100-Year flows to 12.9 m<sup>3</sup>/s at the Outlet to Lake Simcoe (approx. 8% less than 25-Year Levels)**

(Estimated Cost of \$4,300,000)

For this alternative, it was estimated that a storage volume of approximately 140,000 m<sup>3</sup> and a land area of approximately 9 hectares would be required to control the 100-year flows to 12.9 m<sup>3</sup>/s at the Outlet to Lake Simcoe.

(\*Note: The target rate of 12.9 m<sup>3</sup>/s was used as it was the minimum attainable flowrate based on the requirements of the MSDP for the Alcona Secondary Plan Area.)

Using an estimated cost of \$15/m<sup>3</sup> for facility construction and \$25,000/acre for land acquisition, including factors for the completion of a watershed study as well as engineering design, the total estimated cost for this alternative would be in the order of \$4.3M.



The analysis of Alternatives 9 to 11 was completed based on the assumptions that the Alcona Secondary Plan area is fully developed as per the Master Servicing and Drainage Plan (MSDP) and that the required detention could be provided in a single online facility. However, in actuality, a number of facilities would be required throughout the watershed, the location and feasibility of which would be determined through the completion of a watershed study for the area.

While the preliminary modeling concluded that each of Alternatives 9 through 11 would provide a further reduction in flooding of the watercourse in comparison to Alternative 4; all three alternatives have significantly higher costs associated with land acquisition and the completion of the required studies.

## **9. SELECTION OF PREFERRED SOLUTION**

Based on the responses received from the PIC and subsequent to the consideration of the additional alternatives, the TSC determined that the original Recommended Solution of increasing the conveyance capacity of the existing structure at Cross Street would be adopted as the Preferred Solution.

## **10. RATIFICATION OF PREFERRED SOLUTION**

On November 1<sup>st</sup>, 2006 Council was presented with Staff Report PDS-120-06, which identified the Preferred Solution to increase the conveyance capacity of the existing structure at Cross Street.

Council endorsed the Preferred Solution and added that opportunities to undertake Alternative 9 (Providing Stormwater Detention Upstream of the Alcona Secondary Plan Area) be considered in the future in conjunction with a Master Drainage Plan for an expanded Alcona Area or future budget.

A copy of the Staff Report and Council Recommendation are included in Appendix F.

## **11. NOTICE OF COMPLETION**

Following the ratification of the Preferred Solution by Council, a "Notice of Completion" was prepared by the TSC.

Once again, all review agencies were mailed a copy of the Notice. In addition, the Notice was hand delivered to the residents in the Service Area, posted on the Town's website, and published in the following newspapers:

Innisfil Scope – Wednesday January 3<sup>rd</sup>, 2007

Innisfil Enterprise – Friday January 5<sup>th</sup>, 2007

A Project File was made available for review at the Town Administration Office between 8:30 a.m. and 4:30 p.m., Monday through Friday, during the 30-day review period following the issuance of the Notice of Completion.

On January 10<sup>th</sup>, 2007 a letter was received from the Ministry of the Environment advising of their interest in any Master Drainage Plans and requesting additional information on the Class EA. The Town provided its response on January 17<sup>th</sup>, 2007. No further comments were received during the 30-day review period.

A copy of the Notice of Completion and all related correspondence is included in Appendix G.

## 12. MEMO TO MOE

In accordance with the requirements of the MEA Class EA Document, the MOE was notified of the completion of the Class EA process in a "Covering Memo to MOE – EAA Branch" dated February 16<sup>th</sup>, 2007.

A copy of the Memo is included in Appendix H.

## 13. CONCLUSION

As the Municipal Class Environmental Assessment for the 7<sup>th</sup> Line Storm Drainage Outlet has been completed in accordance with the requirements of the MEA Class EA document, dated June 2000, the Town of Innisfil may now proceed with the implementation of the Preferred Solution.

We trust that this is satisfactory; however, should you have any questions or concerns, please do not hesitate to contact the undersigned.

Respectfully Submitted,  
**AINLEY & ASSOCIATES LIMITED**



R. D. Sloan, P. Eng.

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**APPENDIX A: MINUTES OF TECHNICAL STEERING COMMITTEE (TSC)  
MEETINGS**

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**MINUTES FOR TECHNICAL STEERING COMMITTEE**  
**MEETING NO. 1**

**PROJECT:** Town of Innisfil  
7<sup>th</sup> Line Storm Drainage Outlet  
Schedule "B" Class EA  
Ainley Project No. 299252

**DATE & TIME:** Thursday, October 13, 2005 @ 3:00pm

**LOCATION:** Ainley Office, Barrie

**PRESENT:** Grant Shellswell Town of Innisfil  
Joe Mullan Ainley Group  
Richard Sloan Ainley Group  
Tammy Kalimootoo Ainley Group

**Copies:** As per attendance

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**1. DRAFT "PROBLEM STATEMENT"**

The meeting began with J. Mullan briefly outlining the background of the existing drainage problems downstream of the intersection of the 7<sup>th</sup> Line and St. John's Road in Innisfil. The objective of the Environmental Assessment being undertaken was explained and a draft problem statement was proposed as follows:

*"The Town of Innisfil is undertaking a Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse No. 3 between the intersection of St. John's Sideroad & 7<sup>th</sup> Line and Lake Simcoe. In particular, this section of the watercourse experiences significant flooding during larger storm events. In addition the Municipality does not own the lands which this portion of the watercourse is located on nor does the Municipality have access easements.*

*This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line as these subdivisions are controlling their post flows to pre-development levels."*

It was decided that all parties would review the problem statement and provide comment at a later date.

**2. EA PROCESS – PUBLIC CONTACT**

J. Mullan noted that typically a Schedule 'B' Class EA requires a minimum of two points of public contact. He further noted that in this case, there would be three points of contact with the public, as follows:

1. A Notice of Commencement, which would be combined with a Notice of a Public Information Centre (PIC). This would be published in the local newspapers and the Town web site.
2. The actual Public Information Centre (PIC), followed by a two week comment period.
3. A Notice of Completion, published in the local newspapers and the Town web site.

G. Shellswell indicated that this process had worked well in the past.

### 3. IDENTIFICATION OF ALTERNATIVES

R. Sloan explained the alternatives identified thus far, along with a preliminary assessment of the pros and cons associated with each:

- a) **Do Nothing** – It was noted that this alternative has to be considered, whether or not it addresses the objective.
- b) **Construct a Piped Outlet to Lake Simcoe along 7<sup>th</sup> Line** – The Lake Simcoe Region Conservation Authority (LSRCA) will not allow a submerged outlet to Lake and the pipe size would have to be quite substantial to convey the flows of 3.5 m<sup>3</sup>/s during a 25 mm storm and up to 19.7 m<sup>3</sup>/s during the 100 year storm.
- c) **Lower the 7<sup>th</sup> Line profile between St. Johns Road and Lakeshore to provide overland flow route** – The lowering of the road would result in an inability to match existing elevations beyond the right of way at the intersection of Simcoe Boulevard and several driveways due to an existing high point in the road profile. In addition, if the overland flow was directed down 7<sup>th</sup> Line to the lake, there would be a loss of beachfront area as stabilization of the route, including the beachfront, would be required.
- d) **Upsize the culvert at Cross Street** – While this alternative is possible, the surrounding properties are relatively low in comparison to the lake level. Therefore, a large width of structure would be required. This alternative may help in more adequately conveying smaller storm events; however, it may not resolve the flooding issues associated with larger events.
- e) **Turn Cross-Street into a cul-de-sac and remove existing crossing entirely** - Due to high flows and property proximity to the lake, this alternative may not have a large impact with respect to flood prevention improvements. In addition, it would cause significant transportation related impacts.
- f) **Create a Stormwater Pond on the Town owned lands on the north-west side the 7<sup>th</sup> Line & St Johns** - Although this facility would not be large enough to sufficiently retain the runoff from larger storm events such that there is no downstream flooding, it may help eliminate the flooding associated with smaller storm events.

G. Shellswell indicated that in terms of modeling, he would like to see the pre and post development flood limits and durations for the area downstream of the St. Johns Road intersection. In addition, he requested that any areas which exceed the requirements for safe passage with respect to flow depths and velocities be examined.



**4. PROJECT SCHEDULE AND NEXT TASKS**

- a. Steering Committee Meeting No. 2 – October 28<sup>th</sup>, 2005 (Ainley's will gather background material, review alternatives and present this information at this meeting.)
- b. Review and discuss alternatives with Town staff.
- c. Steering Committee Meeting No. 3 – (select Recommended Solution)
- d. Advertise and hold PIC (anticipated to be in late November 2005)
- e. Prepare a Project File
- f. Steering Committee Meeting No. 4 (review comments received following the PIC and select a Preferred Solution)
- g. Prepare Report and Advise Council
- h. Prepare and advertise Notice of Completion
- i. Finalize Project File
- j. Public Review period – 30 days
- k. Assess comments and issue memo to MOE.

**5. CONTACT LIST**

- a. Review Agencies including MOE, MNR, Lake Simcoe Conservation Authority, etc.
- b. Adjacent property owners along 7<sup>th</sup> Line, St. Johns Road, Cross Street, Simcoe Boulevard and Clifton Boulevard.

**6. OTHER BUSINESS**

There was no other business to be discussed at the time.

**7. NEXT MEETING**

The next meeting is scheduled for Friday, October 28<sup>th</sup>, 2005 @ 1:00pm in Ainley's Office.

**8. ADJOURNMENT**

The meeting adjourned at approximately 4:15 p.m.

**9. ERRORS AND/OR OMISSIONS**

Please report any errors and/or omissions to the undersigned as soon as possible. Otherwise, this summary shall be deemed to be an accurate account of the meeting discussions.

Minutes prepared by T. Kalimootoo and distributed by:

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager  
Ainley Group

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**SUMMARY OF TECHNICAL STEERING COMMITTEE**  
**MEETING NO. 2**

**PROJECT:** Town of Innisfil  
7<sup>th</sup> Line Storm Drainage Outlet  
Schedule "B" Class EA  
Ainley Project No. 299252

**DATE & TIME:** Friday, October 28, 2005 @ 1:00pm

**LOCATION:** Ainley Office, Barrie

**PRESENT:** Grant Shellswell Town of Innisfil  
Richard Sloan Ainley Group  
Tammy Kalimootoo Ainley Group

**Copies:** As per attendance  
Joe Mullan – Ainley Group

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**1. DISCUSSION**

The purpose of this meeting was to present preliminary modelling results as well as further discuss the alternatives identified at the previous TSC meeting.

R. Sloan began by noting the following:

- a) For all storm events, the OTTHYMO modelling shows that the peak flows under the post-development condition have been reduced as compared to pre-development flows.
- b) For all storm events, the post-development volumes as well as the duration of flooding increased under the post-development condition.

The alternative solutions were then examined:

- a) **Do Nothing** – A drawing showing the flood limits for this option was presented and discussed. R. Sloan indicated that the drawing had been produced using HEC-RAS modelling and while it still required some refining, it appeared that the existing channel downstream of St. John's appeared to have capacity for the 25mm storm event.
- b) **Construct a Piped Outlet to Lake Simcoe along 7<sup>th</sup> Line** – It was discussed that there is approximately 0.5 m of available fall from St. John's Road to the Lake. Therefore, the largest diameter of pipe that could be placed, while maintaining sufficient cover would be 1350 mm. A pipe of this size could be used to convey approximately 10% of the flows.



- c) **Lower the 7<sup>th</sup> Line profile between St. Johns Road and Lakeshore to provide overland flow route** – As previously discussed, this option does not appear to be feasible as the lowering of the road would result in an inability to match existing elevations beyond the right of way at the intersection of Simcoe Boulevard and several driveways due to an existing high point in the road profile.

In addition, if the overland flow was directed down 7<sup>th</sup> Line to the lake, there would be a loss of beachfront area as stabilization of the route, including the beachfront, would be required.

- d) **Upsize the culvert at Cross Street** – It was discussed that as the existing culvert is currently acting as a restriction of the flows, any increase in the size of the culvert would be beneficial. Ultimately, the culvert should be able to, at a minimum, convey flows equal to the channel's capacity. R. Sloan indicated that additional surveying may be required.
- e) **Turn Cross-Street into a cul-de-sac and remove existing crossing entirely** – This alternative was not discussed at length. Due to high flows and property proximity to the lake, this alternative may not have a large impact with respect to flood prevention improvements. In addition, it would cause significant transportation related impacts.
- f) **Create a Stormwater Pond on the Town owned lands on the north-west side the 7<sup>th</sup> Line & St Johns** – This alternative remains to be examined.

## 2. PROJECT SCHEDULE AND NEXT TASKS

- a. Steering Committee Meeting No. 3 – November 11<sup>th</sup>, 2005 (Review and discuss alternatives with Town Staff & Select Recommended Solution.)
- b. Advertise and hold PIC  
(Tentatively scheduled for November 29<sup>th</sup>, 2005 from 3:00 – 5:00 p.m. & 7:00 – 9:00 p.m.)
- c. Prepare a Project File
- d. Steering Committee Meeting No. 4 (review comments received following the PIC and select a Preferred Solution)
- e. Prepare Report and Advise Council
- f. Prepare and advertise Notice of Completion
- g. Finalize Project File
- h. Public Review period – 30 days
- i. Assess comments and issue memo to MOE.

## 3. NEXT MEETING

It was agreed that the next meeting would be held on Friday, November 11<sup>th</sup> at 1:30 p.m in Ainley's Office. A draft PIC package will be presented by Ainley for review.

## 4. ADJOURNMENT

The meeting adjourned at approximately 3:00 p.m.

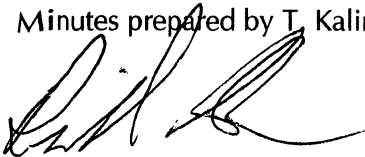
## 5. ERRORS AND/OR OMISSIONS

Please report any errors and/or omissions to the undersigned as soon as possible. Otherwise, this summary shall be deemed to be an accurate account of the meeting discussions.



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Minutes prepared by T. Kalimootoo and distributed by:



R. Sloan, P.Eng  
Ainley Group

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**MINUTES FOR TECHNICAL STEERING COMMITTEE**  
**MEETING NO. 3**

**PROJECT:** Town of Innisfil  
7<sup>th</sup> Line Storm Drainage Outlet  
Schedule "B" Class EA  
Ainley Project No. 299252

**DATE & TIME:** Friday, November 11, 2005 @ 1:30pm

**LOCATION:** Ainley Office, Barrie

**PRESENT:** Grant Shellswell Town of Innisfil  
Richard Sloan Ainley Group  
Tammy Kalimootoo Ainley Group

**Copies:** As per attendance  
Joe Mullan, Ainley Group

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**1. DRAFT "PROBLEM STATEMENT"**

The meeting began with a review of the draft problem statement presented during the TSC Meeting No. 1. The problem statement was revised to read as follows:

*"The Town of Innisfil is undertaking a Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse No. 5 from the intersection of St. John's Sideroad & the 7<sup>th</sup> Line to Lake Simcoe as this section of the watercourse experiences flooding during storm events. This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.*

*The Municipality does not own the lands which this portion of the watercourse traverses, nor does the Municipality have access easements."*

**2. EA PROCESS – PUBLIC CONTACT**

T. Kalimootoo presented a draft Notice of Commencement/PIC for review. Some minor revisions were suggested by G.Shellswell.

It was agreed that the Notice would appear in the November 16<sup>th</sup>, 2005 edition of the Innisfil Scope and the November 18<sup>th</sup>, 2005 edition of the Innisfil Enterprise. In addition, G. Shellswell would have the Notice placed on the Town website.

T. Kalimootoo explained that she would hand deliver a copy of the Notice to residents within and around the study area. In addition, a letter would be sent to the review agencies, notifying them of the project and the upcoming PIC.



### 3. DISCUSSION OF ALTERNATIVES

A copy of the draft PIC boards was presented and reviewed. The alternatives were again discussed as follows:

- a) **Do Nothing** – It was noted that this alternative has to be considered, whether or not it addresses the objective. It was discussed that for this EA, the “Do Nothing” alternative assumes that the proposed road work west of St. John’s Sideroad, including the replacement of the existing road crossing culvert at St. John’s Sideroad, has been completed. R. Sloan presented flood limit mapping for the pre and post Alcona Secondary Plan conditions, as well as for the conditions expected following the proposed road works.
- b) **Construct a Piped Outlet to Lake Simcoe along 7<sup>th</sup> Line** – R. Sloan explained that he had calculated the maximum size of pipe that could be used for this purpose to be 1350 mm diameter. He further explained that a pipe of this size would only convey or re-route approximately 14% of the 100-year runoff rate and would therefore have only a slight impact on the flooding occurring within the channel. In addition, the selection of this alternative would require the elimination of the Beach area. It was agreed that this option would not likely be selected; however a preliminary cost estimate should be developed. The anticipated high cost would provide an additional disadvantage and would outweigh the small benefit created by this option.
- c) **Lower the 7<sup>th</sup> Line profile between St. Johns Road and Lakeshore to provide overland flow route** – R. Sloan explained that this alternative would involve lowering the high point on the 7<sup>th</sup> Line at Simcoe Boulevard by approximately 2.5 metres. This large cut would require relocation of underground servicing and utilities, cause significant re-grading issues to adjacent properties and could possibly require land acquisition. It was agreed that this option would not likely be selected; however a preliminary cost estimate should be developed. The anticipated extreme cost would provide another disadvantage.
- d) **Increase the conveyance capacity of the structure at Cross Street** – R. Sloan presented flood limit mapping showing the effect of replacing the existing structure at Cross Street with a low profile arch span structure. The mapping showed a significant reduction in the flood limits for the smaller storm events and a very minor increase in flood limits during the larger storm events. It was agreed that this option remains viable and a preliminary cost estimate should be developed.
- e) **Turn Cross-Street into a cul-de-sac and remove existing crossing entirely** – R. Sloan explained that this alternative produces similar results as the alternative involving replacing the existing structure; however this option has a much larger transportation related impact. It was agreed that as this alternative would not likely be selected as the recommended solution, a cost estimate would not be required for this alternative.
- f) **Create a Stormwater Pond on the Town owned lands on the north-west side the 7<sup>th</sup> Line & St Johns** – R. Sloan explained that the size of the pond would be limited by the property size, channel location on the property, channel inverts, and site topography. Based on this, a total available storage volume for the pond was calculated to be approximately 3,500 m<sup>3</sup>. Given the magnitude of the watershed (approx. 1000 hectares), this storage volume provides no additional benefit for even the smaller storm events. It was agreed that as this alternative would not likely be selected; a cost estimate is not required.

It was agreed that the option of implementing measures such as levies within the channel itself should be included as an alternative, although it will not likely be selected due to ownership and Conservation Authority issues.

#### **4. SELECTION OF RECOMMENDED SOLUTION**

The recommended solution will be formally selected following the development of the preliminary cost estimates.

#### **5. PROJECT SCHEDULE AND NEXT TASKS**

- a. Steering Committee Meeting No. 4 – November 22<sup>nd</sup>, 2005
- b. Advertise and hold PIC (tentatively scheduled for November 29<sup>th</sup>, 2005, 6:00 to 9:00 p.m.)
- c. Prepare a Project File
- d. Steering Committee Meeting No. 5 (review comments received following the PIC and select a Preferred Solution)
- e. Prepare Report and Advise Council
- f. Prepare and advertise Notice of Completion
- g. Finalize Project File & Prepare Summary EA Document
- h. Public Review period – 30 days
- i. Assess comments and issue memo to MOE.

#### **6. CONTACT LIST**

- a. Review Agencies including MOE, MNR, Lake Simcoe Conservation Authority, etc.
- b. Adjacent property owners along 7<sup>th</sup> Line, St. Johns Road, Cross Street, Simcoe Boulevard and Clifton Boulevard.

#### **7. OTHER BUSINESS**

There was no other business to be discussed at the time.

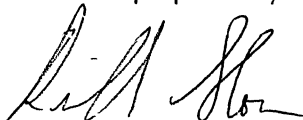
#### **8. NEXT MEETING**

The next meeting is scheduled for Tuesday, November 22<sup>nd</sup>, 2005 @ 9:00 a.m. in Ainley's Office.

#### **9. ERRORS AND/OR OMISSIONS**

Please report any errors and/or omissions to the undersigned as soon as possible. Otherwise, this summary shall be deemed to be an accurate account of the meeting discussions.

Minutes prepared by T. Kalimootoo and distributed by:



R. Sloan, P.Eng.  
Ainley Group

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**MINUTES FOR TECHNICAL STEERING COMMITTEE**  
**MEETING NO. 4**

**PROJECT:** Town of Innisfil  
7<sup>th</sup> Line Storm Drainage Outlet  
Schedule "B" Class EA  
Ainley Project No. 299252

**DATE & TIME:** Friday, November 25, 2005 @ 9:00 am

**LOCATION:** Ainley Office, Barrie

**PRESENT:** Grant Shellswell Town of Innisfil  
Richard Sloan Ainley Group  
Tammy Kalimootoo Ainley Group

**Copies:** As per attendance  
Joe Mullan, Ainley Group

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**1. DRAFT "PROBLEM STATEMENT"**

The problem statement was not further discussed.

**2. EA PROCESS – PUBLIC CONTACT**

The PIC was re-scheduled due to a Town of Innisfil conflict with the November 29<sup>th</sup>, 2005 date.

T. Kalimootoo noted that the newspaper advertisements scheduled to run on November 16<sup>th</sup> & 18<sup>th</sup> had not been published.

The PIC will now be held on January 10<sup>th</sup>, 2006 from 3:00 – 5:00 p.m. and 7:00 – 9:00 p.m. in the Town of Innisfil Council Chambers.

The Notice of Commencement & PIC will be published in the December 16<sup>th</sup> and 21<sup>st</sup> newspapers.

Agency letters and hand-delivered Notices will be sent out the week of December 19<sup>th</sup>.

It was agreed that the comment period would extend until January 27<sup>th</sup>, 2006.

### 3. DISCUSSION OF ALTERNATIVES

As agreed at the last meeting, a seventh alternative involving the implementation of measures within the channel was added.

Therefore, the list of alternatives being considered is:

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

A copy of the draft PIC boards as well as cost estimates for Alternatives 2, 3, & 4 were presented and reviewed.

Consideration was given to the following main criteria:

1. Flood Reduction - The extent to which the alternative would aid in the reduction of flooding downstream of St. John's Road.
2. Cost - The cost to implement the alternative.
3. Property Impacts - The extent to which the adjacent private properties would be affected by the implementation of the alternative.
4. Extent of construction - The amount of construction/re-construction that the alternative would require.

### 4. SELECTION OF RECOMMENDED SOLUTION

After considering all of the alternatives, it was agreed that the recommended solution to improve the storm drainage capacity of Watercourse No. 5 from the intersection of St. John's Road & the 7<sup>th</sup> Line to the Lake is:

Alternative 4 - Increase Conveyance Capacity of Structure at Cross Street

### 5. PROJECT SCHEDULE AND NEXT TASKS

- a. Advertise and hold PIC (scheduled for January 10<sup>th</sup>, 2006, 3:00 - 5:00 & 7:00 - 9:00 p.m.)
- b. Prepare a Project File
- c. Steering Committee Meeting No. 5 (review comments received following the PIC and select a Preferred Solution)
- d. Prepare Report and Advise Council
- e. Prepare and Advertise Notice of Completion
- f. Finalize Project File & Prepare Summary EA Document
- g. Public Review period - 30 days
- h. Assess comments and issue memo to MOE.



**6. CONTACT LIST**

No new contacts were discussed.

**7. OTHER BUSINESS**

There was no other business to be discussed at the time.

**8. NEXT MEETING**

The next meeting will be scheduled following the PIC.

**9. ERRORS AND/OR OMISSIONS**

Please report any errors and/or omissions to the undersigned as soon as possible. Otherwise, this summary shall be deemed to be an accurate account of the meeting discussions.

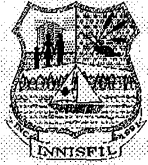
Minutes prepared by T. Kalimootoo and distributed by:

R. Sloan, P.Eng.  
Ainley Group

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**APPENDIX B: NOTICE OF COMMENCEMENT & PUBLIC INFORMATION  
CENTRE**





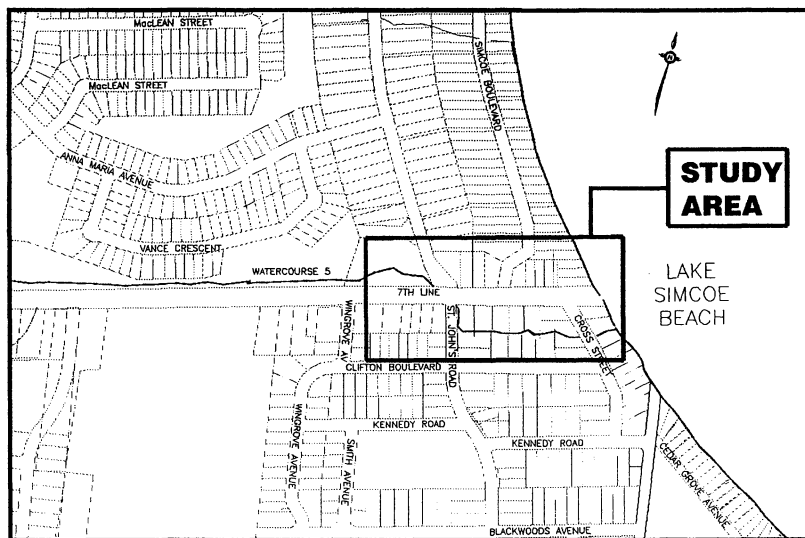
**Town of Innisfil  
Class Environmental Assessment  
7<sup>th</sup> Line Storm Drainage Outlet**

**NOTICE OF COMMENCEMENT & PUBLIC INFORMATION CENTRE**

The Town of Innisfil has retained the Ainley Group to conduct a Municipal Class Environmental Assessment, Schedule "B", to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of 7<sup>th</sup> Line and St. John's Road to the Lake, as this section of the watercourse experiences flooding during storm events. This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

The study area is illustrated on the accompanying map.



An informal drop-in style Public Information Centre will be held to allow all interested parties an opportunity to review the alternatives proposed to address the situation and to comment on the Recommended Solution(s). The Public Information Centre will be held on:

**DATE: Tuesday January 10<sup>th</sup>, 2006**

**TIME: 3:00 p.m. – 5:00 p.m. & 7:00 p.m. – 9:00 p.m.**

**LOCATION: Council Chambers, Town of Innisfil Administration Office, 2147 Innisfil Beach Road**

Comments received from the Public Information Centre will be accepted until Friday January 27<sup>th</sup>, 2006 and will be utilized to further refine the Preferred Solution.

For further information, please contact either of the following members of the study team:

**Mr. Joe Mullan, P.Eng.**  
Vice President & Branch Manager  
Ainley Group  
550 Welham Road  
Barrie, Ontario L4N 8Z7  
Tel: 705-726-3371  
Fax: 705-726-4391  
E-mail: mullan@ainleygroup.com

or

**Mr. Grant Shellswell, Engineering Technologist**  
Planning and Development Services Engineering  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1  
Tel: 705-436-3710 ext. 303  
Fax: 705-436-7120  
E-mail: gshellswell@innisfil.ca

## **APPENDIX C: PUBLIC INFORMATION CENTRE PRESENTATION BOARDS AND QUESTIONNAIRE**



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET

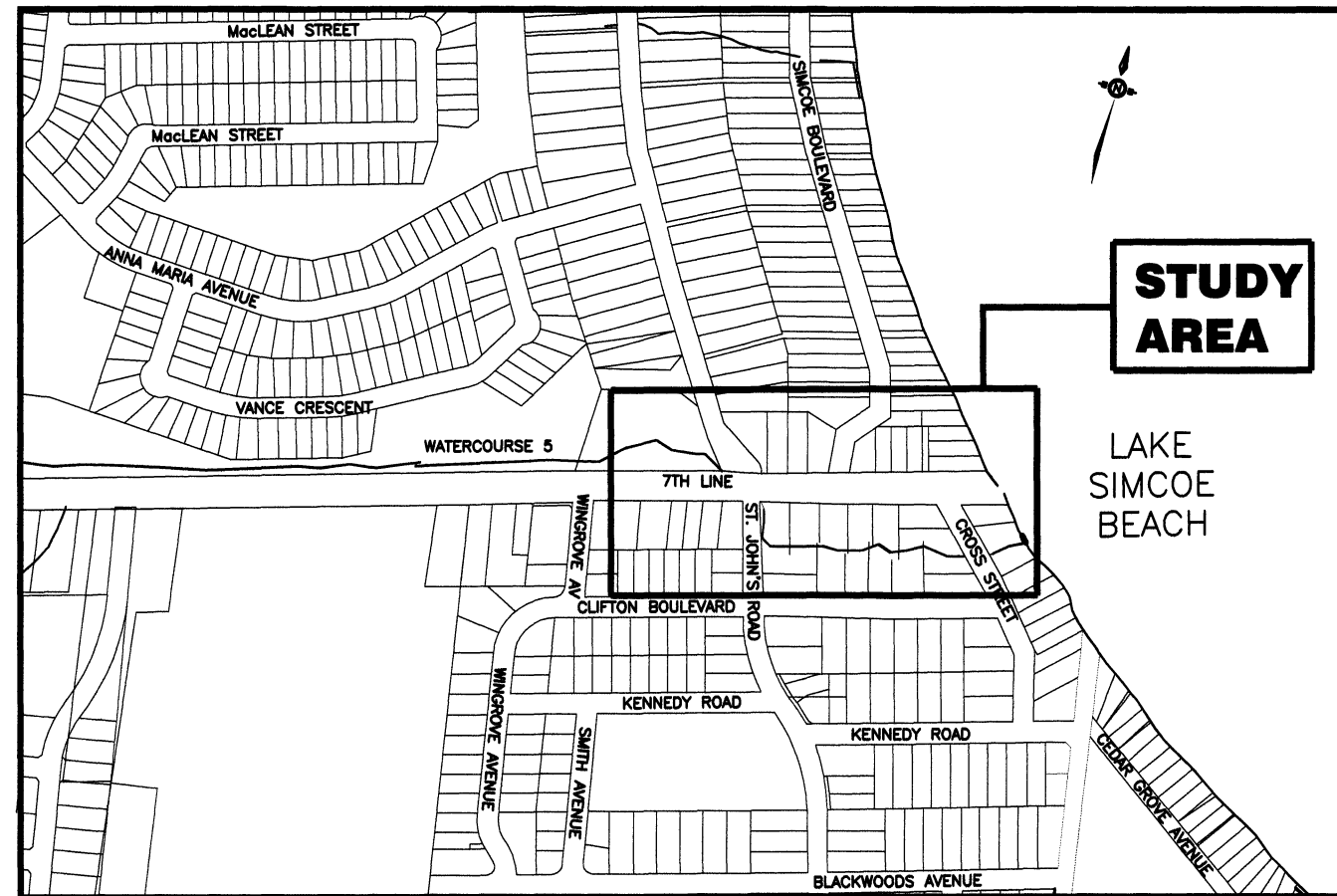


# WELCOME !

Thank you for your interest in the Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5 from the intersection of St. John's Sideroad and the 7th Line to Lake Simcoe.

Please review the displays and feel free to ask questions of representatives from The Town of Innisfil and Ainley and Associates Ltd.

Your comments and concerns are appreciated and we ask that you provide any comments in writing on the sheets provided.



STUDY AREA



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



BACKGROUND INFORMATION

Study Background - Problem Statement

The Town of Innisfil is undertaking a Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse No. 5 from the intersection of St. John's Sideroad & the 7th Line to Lake Simcoe as this section of the watercourse experiences flooding during storm events. This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7th Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

ENVIRONMENTAL ASSESSMENT PROCESS INFORMATION

Municipal Class Environmental Assessment Process

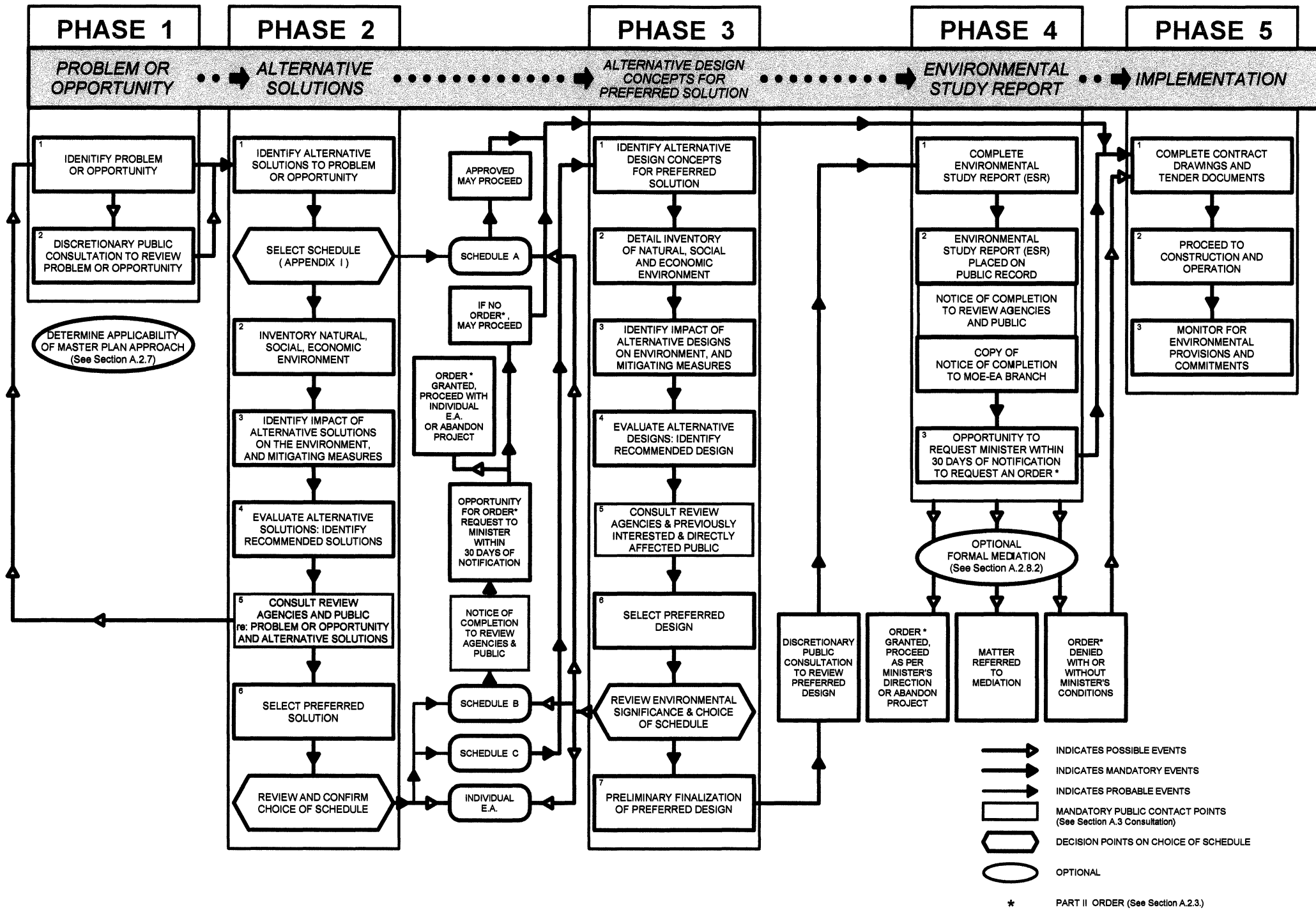
A Municipality is required to conduct a Municipal Class Environmental Assessment (Class EA) before this type of improvement project can be undertaken. A Class EA follows an approved procedure designed to protect the environment and ensure compliance with the Environmental Assessment Act. Based on the scope of the proposed undertaking, this project requires a Schedule "B" level of planning.

Public Participation

Public participation is a key component of the Class EA process. This Public Information Centre has been arranged to provide an opportunity to share information with the public regarding the proposal and to receive input and comment from interested persons. Please be sure to complete the comment sheet and direct any questions you may have to members of the Study Team who are in attendance.

# EXHIBIT A.2 MUNICIPAL CLASS EA PLANNING AND DESIGN PROCESS

*NOTE: This flow chart is to be read in conjunction with Part A of the Municipal Class EA*





# TOWN OF INNISFIL CLASS ENVIRONMENTAL ASSESSMENT SCHEDULE "B" 7TH LINE STORM DRAINAGE OUTLET EXISTING CONDITIONS



This EA has examined the impact that upstream developments have had on the peak flow rates, flood limits, and volume of runoff being discharged to Watercourse 5.

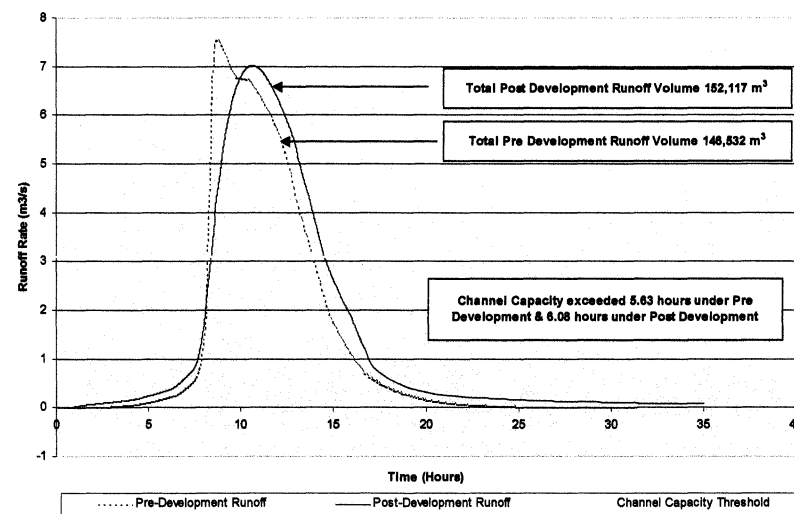
### Peak Flow Rates

As can be seen on Figures 1, 2 and 3 below, the peak flow rates at the outlet to Lake Simcoe have actually been reduced due to the fact that the upstream developments have been required to over-control runoff within stormwater detention ponds.

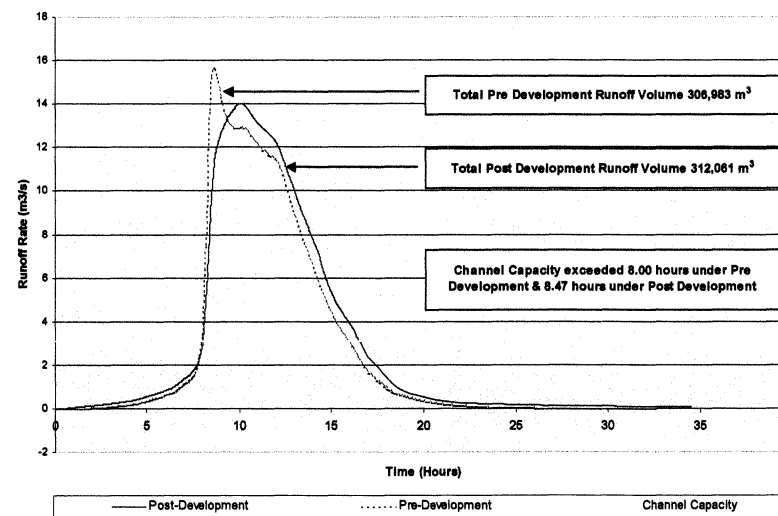
### Runoff Volume

As can be seen on Figures 1, 2 and 3 below, the volume of runoff has increased due to upstream development. The impact of this increase in volume will result in an additional thirty minute period of channel capacity exceedance over a period of six to nine hours.

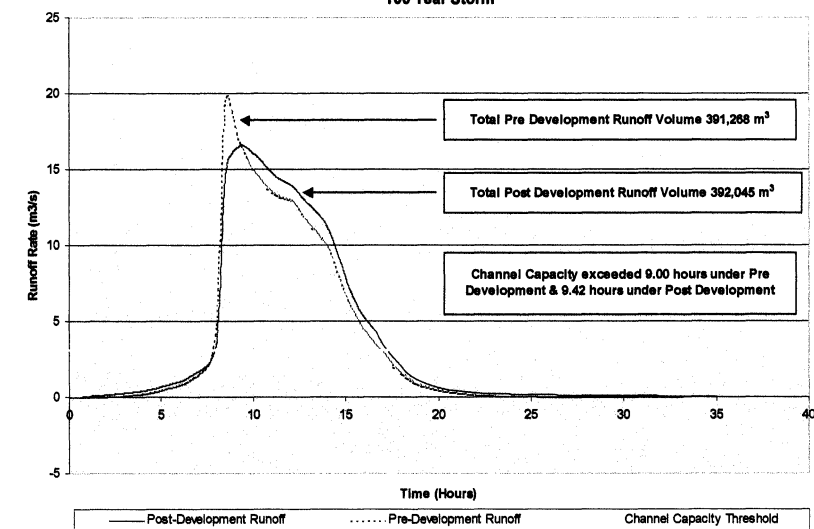
**FIGURE 1: Pre to Post Development Runoff Comparison  
5 Year Storm**



**FIGURE 2: Pre to Post Development Runoff Comparison  
25 Year Storm**



**FIGURE 3: Pre to Post Development Runoff Comparison  
100 Year Storm**

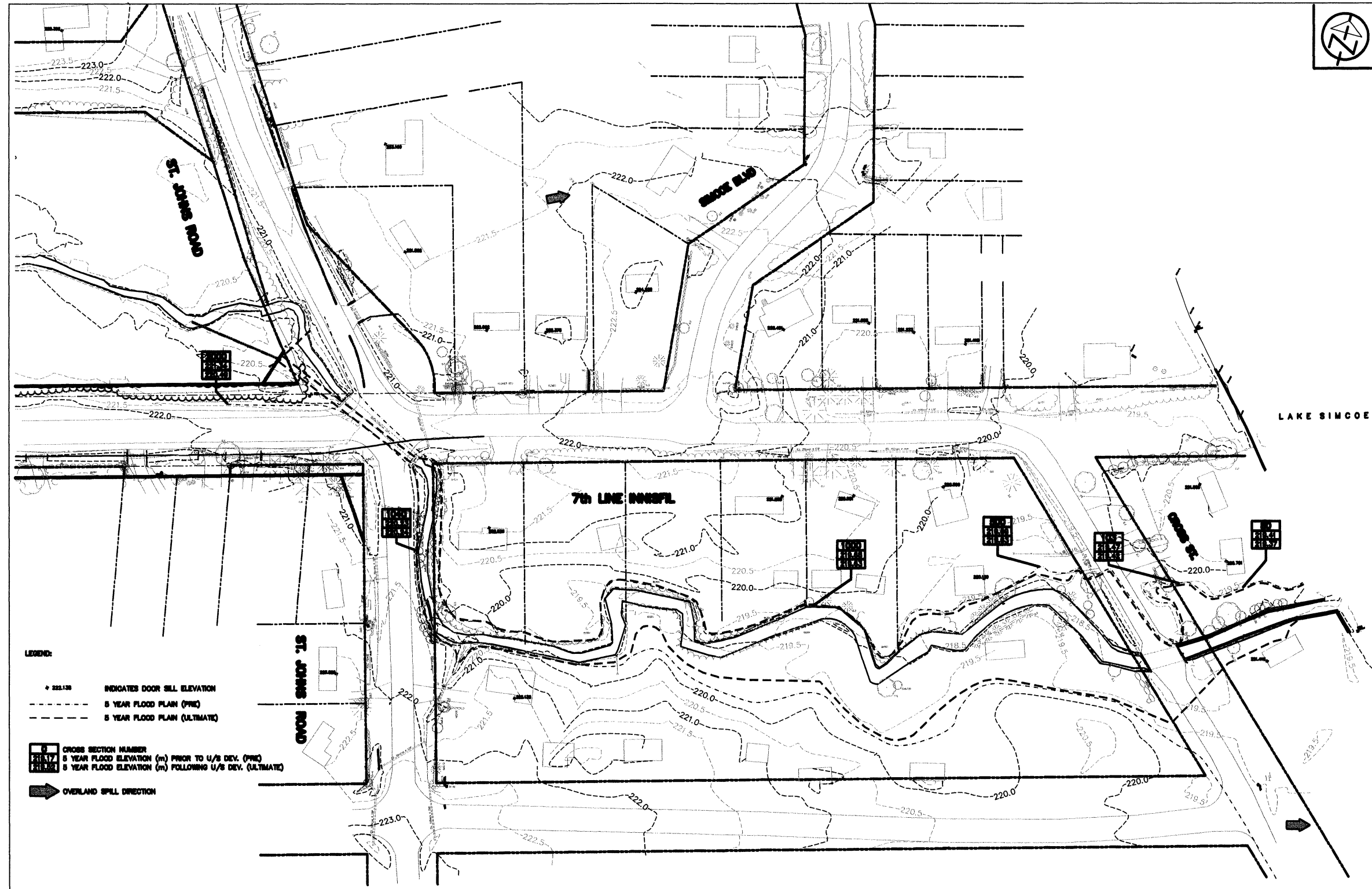


The preceding maps compare the 5-Year, 25-Year, and Regional flood boundaries for Watercourse 5 under the following conditions:

- Prior to the development of the upstream lands as per the Alcona Secondary Plan
- After the ultimate build out of the upstream lands as per the Alcona Secondary Plan

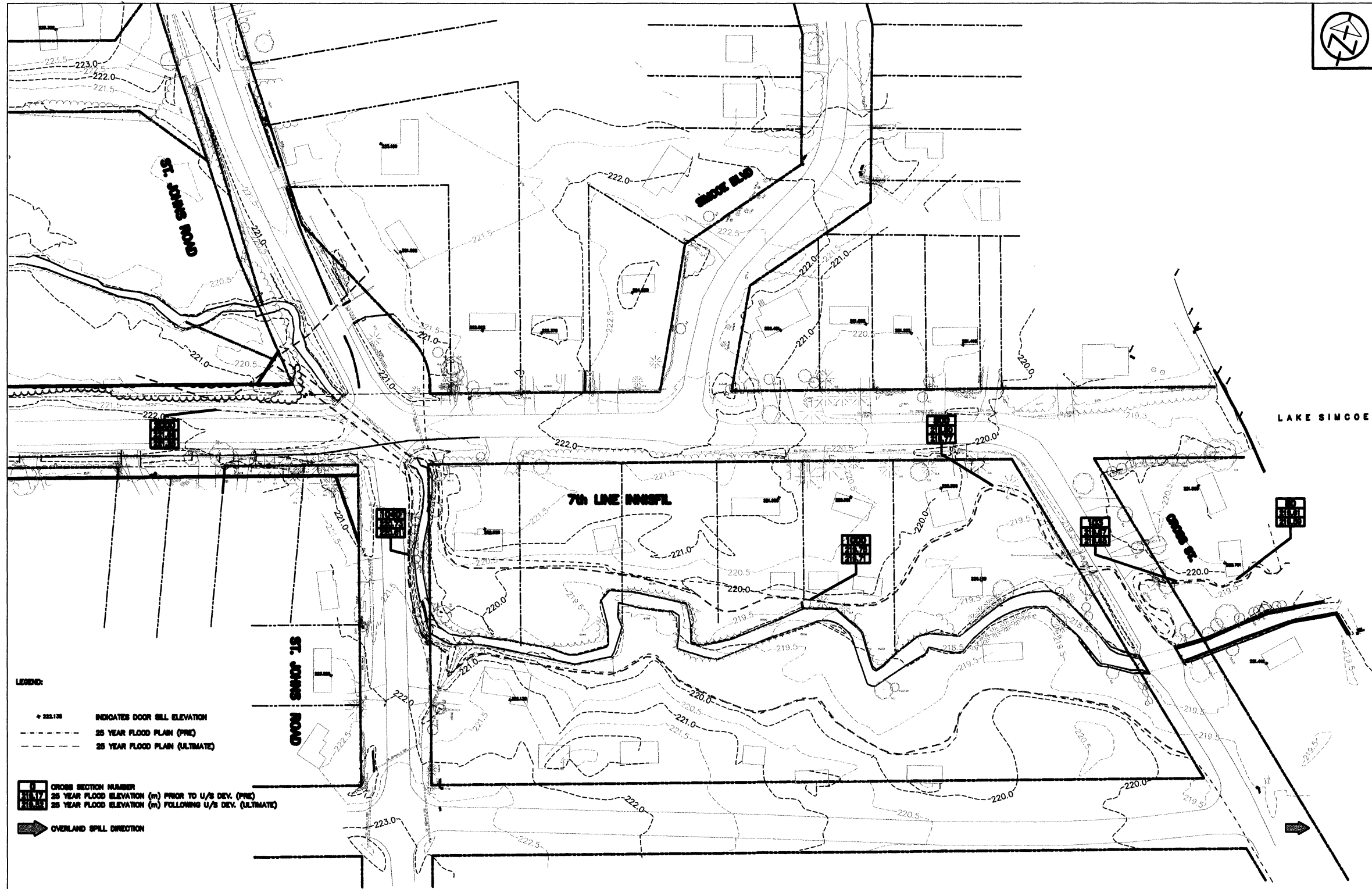


TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET  
5-YEAR STORM EVENT





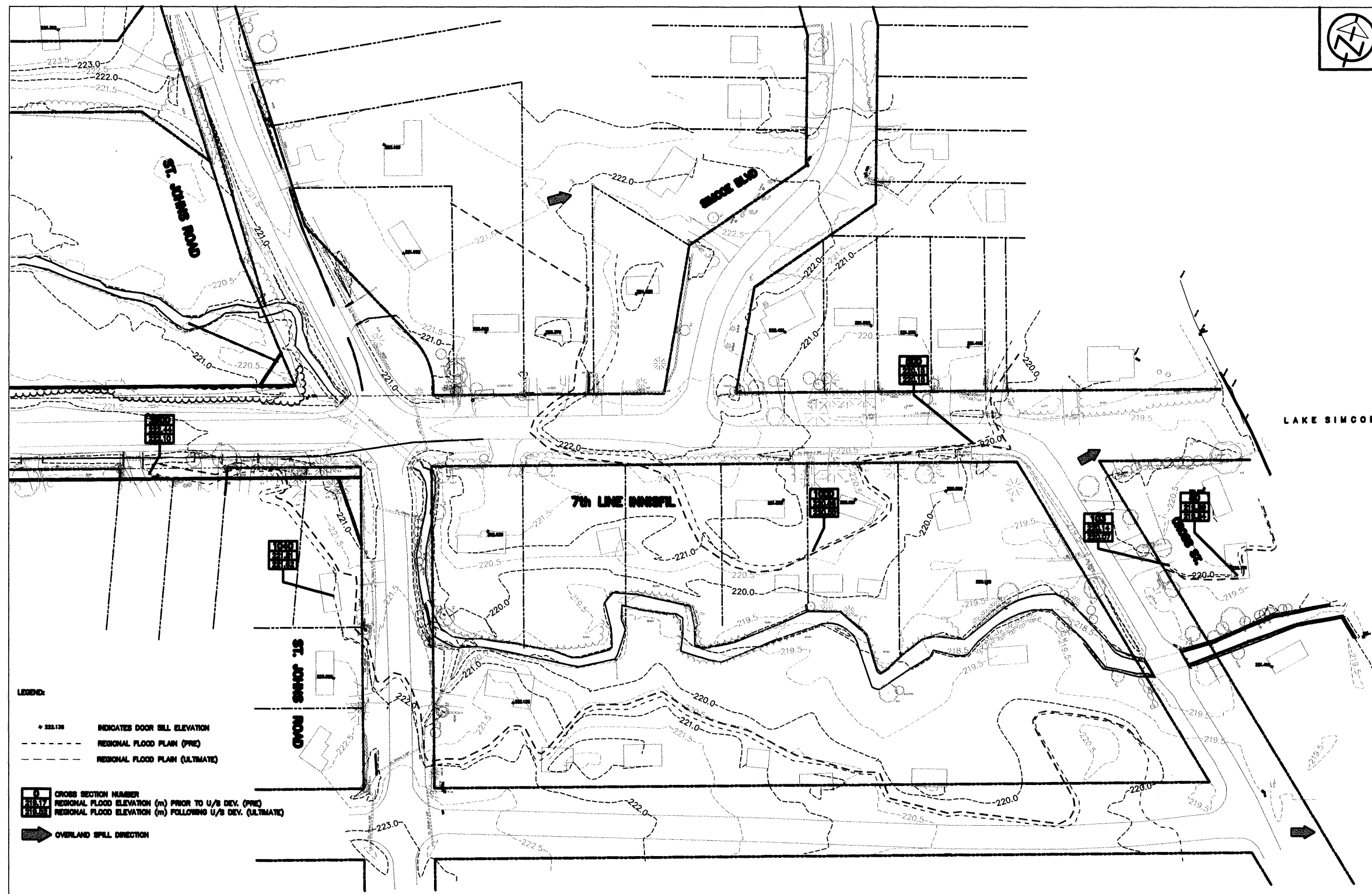
TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET  
25-YEAR STORM EVENT







TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET  
REGIONAL STORM EVENT





TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



SUMMARY OF ALTERNATIVES

The Municipality has planned to undertake road improvements of the 7th Line, west of the intersection with St. John's Road, as part of the Alcona Master Servicing Plan. These improvements include upgrading the existing road crossing culvert at St. John's Road.

This EA considers alternatives for improving the capacity of Watercourse 5, downstream of St. John's Road, in addition to the work described above.

A key aspect of the Municipal Class Environmental Assessment process is the consideration of different alternatives to address the identified problem.

The proposed alternatives are summarized below:

Alternative 1: Do Nothing

Alternative 2: Construct a Piped Outlet to Lake Simcoe along 7th Line

Alternative 3: Lower the 7th Line Profile between St. John's Road and Cross Street to Provide an Overland Flow Route

Alternative 4: Increase the Conveyance Capacity of the Structure at Cross Street

Alternative 5: Turn Cross-Street into a Cul-De-Sac and Remove the Existing Crossing Entirely

Alternative 6: Create a Stormwater Detention Facility on Town Owned Lands

Alternative 7: Implement Measures within Channel Limits



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



ALTERNATIVE 1: DO NOTHING

This option must be considered as part of the EA process.

As part of the Alcona Secondary Plan, the Municipality has planned improvements to the 7th Line, including the replacement of the road crossing culvert at the intersection of St. John's Road.

This alternative considers the option of taking no further action other than what has already been contemplated west of the intersection of the 7th Line and St. John's Road.

ADVANTAGES

1. Cost-Effective

DISADVANTAGES

1. Would not address flooding issues downstream of St. John's Road.

ESTIMATED COST

The cost would be zero as no action would be taken.



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



ALTERNATIVE 2: CONSTRUCT A PIPED OUTLET TO LAKE SIMCOE ALONG 7TH LINE

A preliminary assessment of the potential for constructing a pipe under the 7th Line to convey flows to the Lake was completed. Consideration was given to road grades and pipe cover, which resulted in the determination that the maximum pipe size that could be used for this application is 1350 mm. The installation of this pipe would likely require the complete reconstruction of the 7th Line from St. John's Road to Cross Street as well as some reconstruction work on Cross Street itself.

The capacity of the 1350 mm diameter pipe would be approximately 2.3 m<sup>3</sup>/s, which is less than the runoff rate for the 2-year storm at this location and less than 14% of the 100-year runoff rate.

This decrease in flow will have a minimal impact in reducing the flooding downstream of the intersection. Therefore, the high cost of this alternative outweighs any potential benefit and, as such, this alternative was considered to be not practical.

ADVANTAGES

1. Pipe would re-direct a small amount of flow away from areas currently experiencing flooding.

ESTIMATED COST

The cost to complete these works has been estimated at approximately \$750,000.

DISADVANTAGES

1. Reduction in flows would not be substantial enough to reduce flooding impacts.
2. Significant construction would be required between St. John's Road and Cross Street, including re-grading of the adjacent private properties.
3. Expensive.



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



ALTERNATIVE 3: LOWER THE 7TH LINE PROFILE BETWEEN ST. JOHN'S ROAD AND LAKESHORE TO PROVIDE OVERLAND FLOW ROUTE.

The current profile of the 7th Line includes a high point just west of the intersection with Simcoe Boulevard. Under this alternative, the potential for regrading the 7th Line to remove this high point and provide positive drainage to the Lake along 7th Line was assessed.

To provide positive drainage to the Lake it would be necessary to reduce the elevation of the high point by approximately 1.5 m. A complete reconstruction of the 7th Line to an urban cross-section from St. John's Road to Cross Street would be required as well as approximately 80 metres of reconstruction work on Simcoe Boulevard. In addition, the change in road profile would necessitate watermain lowering, utility relocations, and significant regrading works, including the installation of retaining walls, on several of the lots fronting the 7th Line. This alternative would also result in the removal of the 7th Line Beach which represents a valuable amenity to the community.

The potential benefit of implementing these works is that some of the flows from the major storm events would be diverted from the Watercourse; however, removing the high point would actually allow the water to spill toward the homes on the north side of the 7th Line.

The high cost and potential impacts of this alternative outweigh the minimal benefit and, as such, this alternative was considered to be not practical.

ADVANTAGES

1. Some of the major flows would be re-directed away from areas currently experiencing flooding.

ESTIMATED COST

The cost to complete these works has been estimated at approximately \$850,000.

DISADVANTAGES

1. May shift flooding issues toward homes along north side of 7th Line.

2. Extensive construction would be required between St. John's Road and the Lake as well as on Cross Street, including re-grading of the adjacent private properties.

3. Expensive.

4. Would eliminate public beach area.



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



### ALTERNATIVE 4: INCREASE CONVEYANCE CAPACITY OF THE STRUCTURE AT CROSS STREET

The existing structure at Cross Street as well as the current road profile and the water level in the Lake are restrictions causing localized flooding of Watercourse 5. Changing the structure configuration would marginally improve the current flooding conditions. The map provided on the next board compares the flood boundary with the existing structure in place and the flood boundary that would result from the replacement of the structure with a concrete arch span structure.

This alternative provides a significant reduction in flooding during more frequent storm events and is much less expensive than the other alternatives.

#### ADVANTAGES

1. Reduction in flood elevations during more frequent storm events, up to the 5 year storm.
2. Requires less extensive construction than other alternatives and does not require alteration of private property.
3. Less expensive than other alternatives.

#### DISADVANTAGES

1. Would not reduce flooding during less frequent storm events.

#### ESTIMATED COST

The cost to complete these works has been estimated at approximately \$400,000.

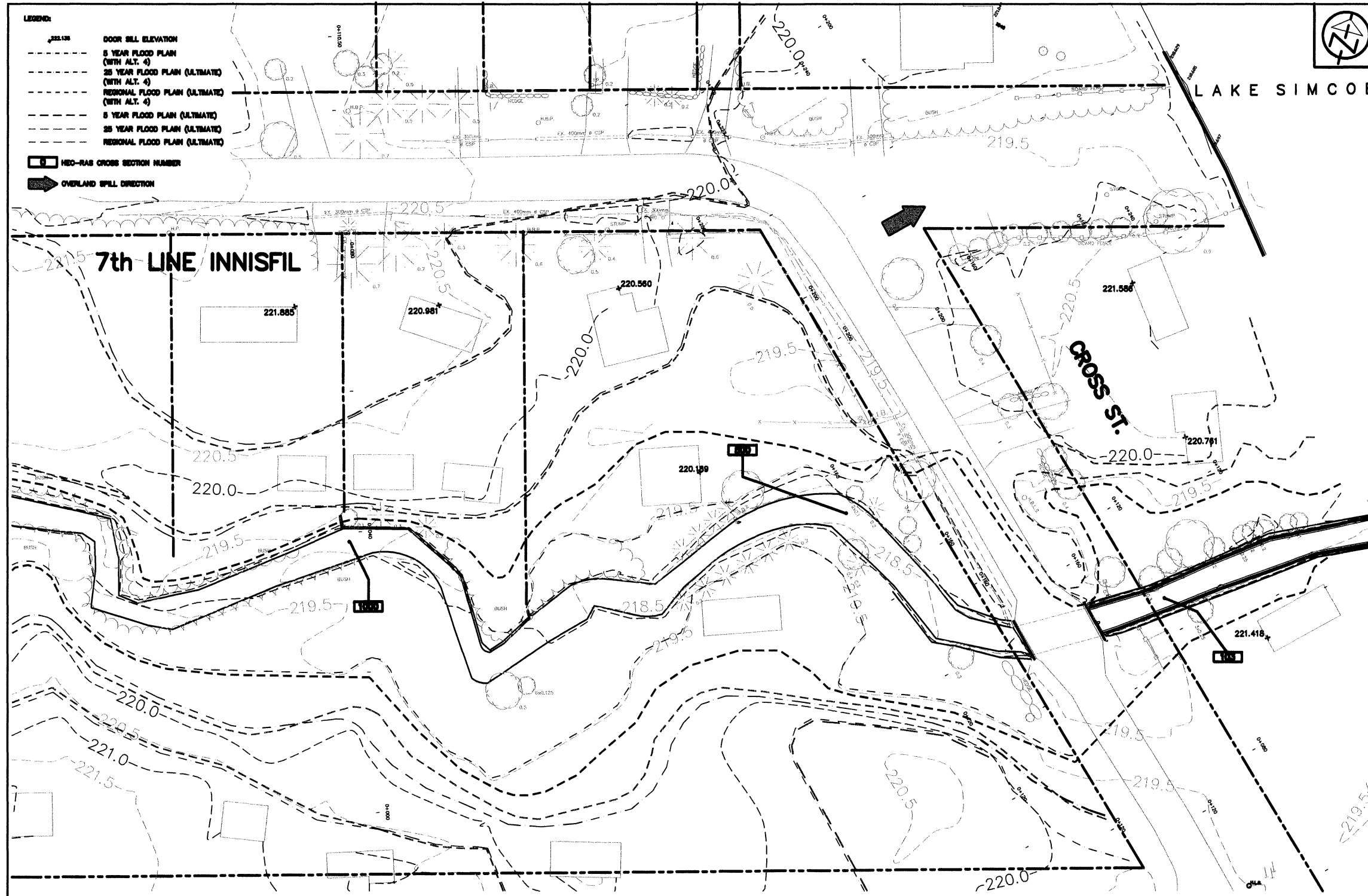


# TOWN OF INNISFIL CLASS ENVIRONMENTAL ASSESSMENT SCHEDULE "B"



## 7TH LINE STORM DRAINAGE OUTLET

### ALTERNATIVE 4: INCREASE CONVEYANCE CAPACITY OF THE STRUCTURE AT CROSS STREET





TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



ALTERNATIVE 5: TURN CROSS STREET INTO CUL-DE-SAC AND  
REMOVE EXISTING CROSSING ENTIRELY

The existing structure at Cross Street as well as the current road profile and the water level in the Lake are restrictions causing localized flooding of Watercourse 5. Eliminating the crossing entirely would produce similar results as Alternative 4 in reducing the flooding. However, turning Cross Street into a cul-de-sac would have negative traffic impacts and would affect some private properties. Therefore, this alternative was considered to be not practical.

ADVANTAGES

1. Would produce similar reduction in flows during smaller events to that of Alternative 4.

ESTIMATED COST

The cost to complete these works was not estimated as the option was not further assessed.

DISADVANTAGES

1. Would not reduce flooding during larger storm events.
2. Would cause significant transportation and access issues for Municipality and residents.





TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



ALTERNATIVE 6: CREATE A STORMWATER DETENTION FACILITY ON TOWN OWNED LANDS

The Town owns property on the northwest corner of St. John's Road and the 7th Line. The option of constructing a stormwater detention facility at this location to reduce the flows during storm events was considered.

The size of facility that could be constructed is limited by the size of the property itself, the channel location and required offsets, the channel inverts, and the topography of the site.

The total available storage volume that could be obtained from developing a facility is 3,500 m<sup>3</sup>. However, given the magnitude of the watershed (approx. 1000 hectares), this storage volume does not provide any additional benefit for even the smaller storm events. As such, this alternative was considered to be not practical.

ADVANTAGES

1. None.

DISADVANTAGES

1. Would not reduce flooding within the study area.

ESTIMATED COST

The cost to complete these works was not estimated as the option does not provide any benefit.



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



ALTERNATIVE 7: IMPLEMENT MEASURES WITHIN CHANNEL LIMITS

Implementing measures such as increasing the slope of the channel, increasing the cross-section of the channel, and the construction of levees within the Watercourse was considered. However, given the high water level in the Lake, the proximity of the channel to existing residential structures, and the fact that the Municipality does not own or have access to the land on which this portion of the Watercourse traverses, the only feasible option that can be evaluated is to raise the elevation of the banks of the Watercourse using a levee system.

Discussions with the Conservation Authority revealed that this type of system is not recommended due to the extreme volume of flow experienced at this location of the Watercourse and considering the safety concerns associated with a potential breach of this type of system. Therefore, this alternative was considered to be not practical.

ADVANTAGES

1. Not assessed.

DISADVANTAGES

1. Not supported by the Conservation Authority.
2. Work would be required on private property.
3. Levees may cause localized drainage problems on adjacent properties.

ESTIMATED COST

The cost to complete these works was not estimated as the option was not further assessed.



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



RECOMMENDED SOLUTION

After considering all of the alternatives, the recommended solution to improve the storm drainage capacity of Watercourse 5, from the intersection of St. John's Road and the 7th Line to Lake Simcoe, is:

ALTERNATIVE 4: INCREASE CONVEYANCE CAPACITY OF THE STRUCTURE AT CROSS STREET

This alternative provides a significant benefit during the more frequent storm events, has less impact on the roads and adjacent properties, and is much less expensive than the other alternatives.

FINANCING OPTIONS

Funding of the capital costs will be subject to Council consideration at a future date. However, at this time, it is anticipated that the cost for the implementation of the Recommended Solution will be from a future capital budget or alternatively from a growth related funding source.



TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7TH LINE STORM DRAINAGE OUTLET



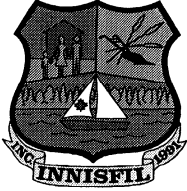
THANK YOU  
FOR ATTENDING THIS PUBLIC INFORMATION CENTRE

If you have any questions, please discuss them with one of the representatives of the Town of Innisfil or Ainley and Associates. If you have any comments or concerns regarding the project please note them on the comment forms provided and leave them in the marked box or mail them to The Town of Innisfil at the following address:

Mr. Grant Shellswell, Engineering Technologist  
Planning and Development Services  
Engineering  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

THE NEXT STEP

We will now assess the comments received from the Public and External Agencies and select the "Preferred Solution."



**TOWN OF INNISFIL  
MUNICIPAL CLASS EA – SCHEDULE 'B'  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
PUBLIC INFORMATION CENTRE**

January 10<sup>th</sup>, 2006

**QUESTIONNAIRE & COMMENT SHEET**

Comments received from this Public Information Centre will assist in the selection of the preferred alternative. Please review the following information and provide any comments to ensure that your concerns are addressed.

**Problem Statement**

The purpose of this Class Environmental Assessment is to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to the Lake, as this section of the watercourse experiences flooding during storm events.

This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

**1. Do you have any comments with respect to the problem statement?**

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**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

**2. Are there any other alternatives that the Town should consider?**

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**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

**3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)**

I AGREE

I DISAGREE

**If you disagree with the Recommended Solution, please explain why:**

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**4. Do you have any other comments relating to this Class Environmental Assessment?**

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**5. Would you like to continue to be informed of the project?**

YES

NO

**Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:**

**Consultant:**

Joe Mullan, P.Eng  
Ainley & Associates Ltd.  
550 Welham Road  
Barrie, Ontario  
L4N 8Z7

**OR**

**Town of Innisfil:**

Grant Shellswell  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

Tel: (705) 726-3371  
Fax: (705) 726-4391  
Email: [mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)

Tel: (705) 436-3710  
Fax: (705) 436-7120  
Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

---

**Name & Address of Respondent: (Please complete)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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## **APPENDIX D: LIST OF REVIEW AGENCIES**



CONSULTING  
ENGINEERS  
PLANNERS

Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

County of Simcoe  
Administration Centre  
1110 Highway #26  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Mark Aiken**  
**CAO**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Aiken:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "Joe Mullan". The signature is written in a cursive, flowing style.

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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CONSULTING  
ENGINEERS  
PLANNERS

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

County of Simcoe  
Administration Centre  
1110 Highway #26  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Rick Newlove**  
**Director of Corporate Services**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Aiken:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Bell Canada  
136 Bayfield Street  
Floor 12  
Barrie, Ontario L4M 3B1

Attn: **Mr. Colin Bonnell**  
**Manager – Access Network**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Bonnell:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

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Vice-President & Branch Manager

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E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Rogers Cable  
1 Sperling Drive  
Barrie, Ontario L4M 6K9

Attn: **Mr. Harm Vandeven**  
**Technical Operations Manager**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Vandeven:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of Economic Development, Trade & Tourism  
Simcoe Regional Office  
2284 Nursery Road  
Midhurst, Ontario L0L 1X0

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Sir or Madam:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

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Vice-President & Branch Manager

Encl.

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ENGINEERS  
PLANNERS

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Simcoe County District Health Unit  
15 Sperling Drive  
Barrie, Ontario L4M 6K9

Attn: **Dr. George Pasut**  
**Ministry of Health - Local Medical Officer of Health**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Dr. Pasut:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Simcoe County District School Board  
1170 Highway 26  
Midhurst, Ontario L0L 1X0

Attn: **Ms. Virginia Olsen**  
**Environmental and Energy Systems Coordinator**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Ms. Olsen:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Vice-President & Branch Manager

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Simcoe Muskoka District Catholic School Board  
46 Alliance Boulevard  
Barrie, Ontario L4M 5K3

Attn: **Mr. Garry Lambright**  
**Planning Consultant**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Lambright:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

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Vice-President & Branch Manager

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E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Lake Simcoe Region Conservation Authority  
120 Bayview Parkway  
Box 282  
Newmarket, Ontario L3Y 4X1

Attn: **Ms. Gayle Wood**  
**CAO/Secretary-Treasurer**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Ms. Wood:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of Natural Resources  
Midhurst District Office  
2284 Nursery Road  
Midhurst, Ontario L0L 1X0

Attn: **Ms. Kathy Woeller**  
**District Planner**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Ms. Woeller:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

**AINLEY & ASSOCIATES LIMITED**

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Vice-President & Branch Manager

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E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

South Simcoe Police  
2137 Innisfil Beach Road  
Innisfil, Ontario L9S 1A2

Attn: **Ms. Kim Taylor**  
**Office Manager**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Ms. Taylor:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Innisfil Fire Department  
780 Innisfil Beach Road  
Innisfil, Ontario L9S 2C3

Re: Notice of Public Information Centre  
7<sup>th</sup> Line Storm Drainage Outlet  
Town of Innisfil, Schedule 'B', Class Environmental Assessment

Dear Sir or Madam:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Yours truly,

**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Simcoe County Paramedic Services  
113 Tiffin Street  
Barrie, Ontario L4N 2N2

Attn: **Mr. Ray Ellis**  
**Manager of Operations**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Ellis:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of Citizenship, Culture and Recreation  
District Office  
2284 Nursery Road  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Greig Stewart**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Stewart:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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CONSULTING  
ENGINEERS  
PLANNERS

Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of Agriculture, Food and Rural Affairs  
R.R.#3  
95 Dundas Street  
Brighton, Ontario K0K 1H0

Attn: **Mr. Ray Vilaitis**  
**Rural Planner**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Vilaitis:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of Municipal Affairs & Housing  
Municipal Services Office - Central Ontario  
2nd Floor, 777 Bay Street  
Toronto, Ontario M5G 2E5

Attn: **Mr. Tim Haldenby, MScPI, MCIP, RPP**  
**Municipal Planning Advisor**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Haldenby:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

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Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "Joe Mullan". The signature is written in a cursive style with a large, sweeping "J" and "M".

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager  
Encl.

pc: Mr. Usman Ahmed, Provincial Planning & Environmental Services Branch, MMA

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Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of the Environment  
Environmental Assessment & Approvals Branch  
12th Floor, 2 St. Clair Avenue West  
Toronto, Ontario M4V 1L5

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Sir or Madam:

The Town of Innisfil has retained The Ainley Group to conduct a 'Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "J. A. Mullan". The signature is written in a cursive style with a large, stylized "J" and "M".

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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CONSULTING  
ENGINEERS  
PLANNERS

Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Ministry of the Environment  
Barrie District Office  
54 Cedar Pointe Drive, Unit 1203  
Barrie, Ontario L4N 5R7

Attn: **Mr. Don Grabowski**  
**Senior Environmental Engineer**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Mr. Grabowski:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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CONSULTING  
ENGINEERS  
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Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19<sup>th</sup>, 2005

File #299252

Ministry of the Environment  
London Regional Office  
733 Exeter Road  
London, Ontario N6E 1L3

Attn: **Dr. R. Griffiths**  
**Environmental Assessment Coordinator**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Dr. Griffiths:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.  
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CONSULTING  
ENGINEERS  
PLANNERS

Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

December 19, 2005

File #299252

Enbridge Gas  
500 Elgin Mills Road  
Richmond Hill, Ontario L4C 5G1

Attn: **Records Department**

Re: **Notice of Public Information Centre**  
**7<sup>th</sup> Line Storm Drainage Outlet**  
**Town of Innisfil, Schedule 'B', Class Environmental Assessment**

Dear Sir or Madam:

The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to develop and consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as this section of the watercourse experiences flooding during storm events. The study area is illustrated on the attached copy of the Notice of Commencement and Public Information Centre.

This letter is to inform you of the project commencement through the scheduling of a Public Information Centre to be held on Tuesday, January 10<sup>th</sup>, 2006 in the Council Chambers at the Town of Innisfil Administration Office from 3:00 p.m. to 5:00 p.m. and from 7:00 p.m. to 9:00 p.m. Please refer to the attached notice for further details on both the project itself and the location of the Public Information Centre.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "J. A. Mullan". The signature is written in a cursive style with a large, sweeping initial "J".

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager

Encl.

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**APPENDIX E: PUBLIC COMMENTS AND AINLEY SUMMARY, DATED  
FEBRUARY 1<sup>ST</sup>, 2006**



**TOWN OF INNISFIL  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
SCHEDULE "B" CLASS ENVIRONMENTAL ASSESSMENT**

**PUBLIC INFORMATION CENTRE  
JANUARY 10<sup>TH</sup>, 2006**

**SUMMARY OF COMMENTS**

On Tuesday, January 10<sup>th</sup>, 2006, a Public Information Centre was held at the Town of Innisfil's Administration Centre for the purpose of presenting information relating to the above noted Class Environmental Assessment.

A total of nineteen people attended the session and were presented with a problem statement, background information, an explanation of the various alternatives that were considered, and were informed of the following Recommended Solution selected to improve the drainage capacity of Watercourse 5 downstream of St. John's Road:

**ALTERNATIVE 4: INCREASE THE CONVEYANCE CAPACITY OF THE STRUCTURE AT CROSS STREET**

Attendees were invited to complete and submit comments sheets within a two week review period. A total of six responses were received from the public.

A detailed summary of the questions asked and the subsequent comments received is provided below:

**1. PROBLEM STATEMENT**

**Do you have any comments with respect to the problem statement?**

The problem statement indicates that the capacity condition existed prior to the development of subdivisions on the north and south side of the 7<sup>th</sup> Line. Two respondents indicated that they believe that these developments have made the capacity condition worse.

**2. ALTERNATIVES**

**Are there any other alternatives that the Town should consider?**

One respondent would like to see consideration given to the options of diverting water to another flood plain or utilizing an undeveloped field upstream for holding purposes.

**3. RECOMMENDED SOLUTION**

**Do you agree or disagree with the selection of Alternative 4 as the Recommended Solution? If you disagree, please explain why.**

Five of the six respondents agree with the selection of Alternative 4.

One respondent indicated that they prefer Alternative 5, which involves turning Cross Street into a cul-de-sac and removing the structure at Cross Street altogether, thus creating a more natural creek setting, with the potential for including a pedestrian bridge or nature trail.

**4. Do you have any other comments relating to this Class Environmental Assessment?**

One respondent would like to see consideration of wildlife during construction activities.

One respondent indicated that maybe a holding pond at the corner of St. John's Road could be constructed in addition to replacing the structure at Cross Street.

One respondent feels that more should be done with development.

**5. Would you like to continue to be informed of the project?**

All of the six respondents requested that they be kept informed of the project and their names have been added to the project contact list.

In addition to the public comments, we received these responses from the following agencies:

Rogers Cable – Relocation of Roger's facilities may be required; therefore, they would like to be kept informed of the project.

Ministry of Municipal Affairs – Received our notice of project and will contact us if they have any questions. They would like to be kept informed of the project.

Bell Canada – They have extensive plant in the subject area, with a high relocation cost, which should be considered in the selection of alternatives. They would like to be kept informed of the project.

SUMMARY PREPARED BY: TMK  
AINLEY & ASSOCIATES LIMITED  
FILE# 299252  
FEBRUARY 1<sup>ST</sup>, 2006

**Nancy Browning**

---

**From:** Joe Mullan [mullan@ainleygroup.com]  
**Sent:** Monday, December 19, 2005 3:31 PM  
**To:** spreece@gsigroup.com  
**Cc:** Grant Shellswell; Ainley File  
**Subject:** FW: Town of Innisfil - Class Environmental Assessment 7th Line Storm Drainage Outlet (299252)

**Attention Mr. Peerce:**

Thank you for your interest in the aforementioned project.

The information that will be available at the Public Information Centre (PIC) on January 10, 2006 will be posted on the Town of Innisfil web site ([www.innisfil.ca](http://www.innisfil.ca)) on January 11, 2006. Unfortunately, we do not have any information that will be available before that date. In addition we will be accepting written comments on the documentation until January 27, 2006.

In the interim should you have any questions regarding this information please do not hesitate to contact the undersigned.

Regards,

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager  
Ainley Group



[mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)  
Tel: (705) 726-3371 Ext. 233  
Cell: (705) 718-7230

---

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---

-----Original Message-----

**From:** Sid Preece [mailto:spreece@gsigroup.com]  
**Sent:** Mon Dec 19, 2005 1:42 PM  
**To:** mullan@ainleygroup.com  
**Subject:** Town of Innisfil Class Environmental Assessment 7th Line Storm Drainage Outlet

Joe

My name is Sid Preece. I own the property located at 1787 Cross Street in the affected area.

I wondered is there any additional information you are able to provide prior to the meeting as I plan to be out of the country on the day of the meetings. Would appreciate anything you are able to tell me at this time. I may be contacted as noted below. Look forward to hearing back from you shortly.

thanks

Sid Preece

**GSIGROUP**

55 University Avenue, Suite 1601  
Toronto, ON M5J 2H7  
Direct: 416-777-2588  
Cell : 416-529-2588  
Main: 416-777-2525  
Fax: 416-777-2547 (attention line)



**Tammy Kalimootoo**

#299252

**From:** Joe Mullan [mullan@ainleygroup.com]  
**Sent:** January 2, 2006 9:49 AM  
**To:** Tammy Kalimootoo; Richard Sloan  
**Cc:** Grant Shellswell  
**Subject:** FW: Class EA- 7th. Line Storm Drainage Outlet- Town of Innisfil

FYI

Regards,

J. A. Mullan, P.Eng.  
Vice-President & Branch Manager  
Ainley Group



[mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)  
Tel: (705) 726-3371 Ext. 233  
Cell: (705) 718-7230

---

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---

-----Original Message-----

**From:** Ahmed, Usman (MAH) [mailto:Usman.Ahmed@mah.gov.on.ca]  
**Sent:** December 29, 2005 1:16 PM  
**To:** 'barrie@ainleygroup.com'  
**Cc:** Singbush, Bruce (MAH); Barton, Howard (MAH)  
**Subject:** Class EA- 7th. Line Storm Drainage Outlet- Town of Innisfil

Dear Mr. Mullan:

Thank you for your letter dated December 19, 2005 informing us of the project commencement noted above and the scheduling of a Public Information Centre to be held on January 10th. in Innisfil. I have forwarded your correspondence to Mr. Bruce Singbush, Manager, Central Municipal Services Office, for his attention. If there any questions or concerns his office will be in touch with you directly. Mr. Singbush can be reached at 416-585-6564.

Thank you again for keeping us informed.

Usman Ahmed  
Provincial Planning and Environmental Services Branch  
Ministry of Municipal Affairs  
Tel: (416) 585-7181  
Fax: (416) 585 4006/4245  
Email: usman.ahmed@mah.gov.on.ca

## Tammy Kalimootoo

---

**From:** BARBER, CHAD [chad.barber@bell.ca]  
**Sent:** December 30, 2005 9:48 AM  
**To:** mullan@ainsleygroup; gshellswell@innisfil.ca; CHAD BARBER; Richard de Bokx  
**Subject:** 7th Line Storm Drainage Outlet

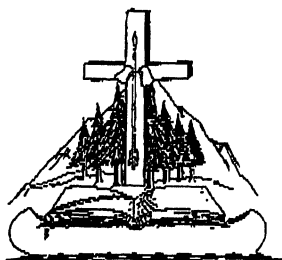
Joe & Grant:

We have recieved your letter dated December 19th 2005 and found that:

Bell has both buried and aerial plant in the study area. The buried plant and in particular the Bell interface at the north east corner of the intersection of 7th line and St.John's are expensive to relocate. Please bear this in mind when concidering possible solutions to the drainage problem as these costs if any will be passed on to the municipality as per the standard agreement between Bell and municipalities.

If you require more information please feel free to contact me.

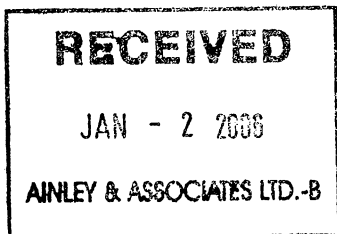
Thanks  
Chad.



# Simcoe Muskoka Catholic District School Board

46 Alliance Blvd.  
Barrie, Ontario L4M 5K3

Telephone (705) 722-3555  
Fax (705) 727-1451



### FACSIMILE COVER SHEET

**Date:** January 2, 2006

**To:** Mr. J A Mullan, P. Eng

**From:** Tracy Haynes, BES

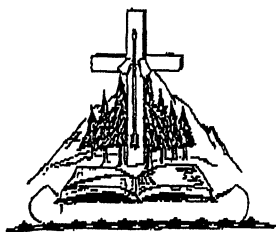
**Re:** 7<sup>th</sup> Line Storm Drainage Outlet, Town of Innisfil  
Schedule B, Class Environmental Assessment

**YOU SHOULD RECEIVE 2 PAGE(S), INCLUDING THIS COVER SHEET**

TO	SEEN
<i>JAM</i>	
<i>JMK</i>	
<i>file</i>	
FILE NO. <i>299250</i>	

**CONFIDENTIALITY NOTICE:**

This FAX transmission contains personal or confidential information. It is intended only for use of the addressee named above. If you are not the intended addressee, any disclosure, copying, or distribution of the information, or the taking of action in reliance on it, is strictly prohibited by the Municipal Freedom of Information and Protection of Privacy Act. If you have received this FAX in error, please advise the sender immediately, by collect call or FAX transmission to arrange for the return of the FAX information. Thank you for your co-operation.



# Simcoe Muskoka Catholic District School Board

46 Alliance Blvd.  
Barrie, Ontario L4M 5K3

Telephone (705) 722-3555  
Fax (705) 722-6534

January 2, 2006

**Attention: Mr. J A Mullan, P. Eng  
Vice-President and Branch Manager**

**Via Fax (705) 726-4391**

Ainley Group  
Ainley and Associates Limited  
550 Welham Road  
Barrie, Ontario L4N 8Z7

**Re: 7<sup>th</sup> Line Storm Drainage Outlet, Town of Innisfil  
Schedule B, Class Environmental Assessment**

Dear Mr. Mullan,

The Simcoe Muskoka Catholic District School Board would like to respond to your correspondence dated December 19, 2005 regarding the above noted environment assessment. More specifically, the study addresses the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe. The Board understands that this section of the watercourse experiences flooding and the study will consider the alternatives for improvement.

The 7<sup>th</sup> Line is considered a key transportation link by the Board for St. Francis of Assisi Catholic Elementary School located in the Town of Innisfil and St. Peter's Catholic Secondary School located in the City of Barrie. This letter is to confirm the Board's interest in the Storm Drainage Outlet options identified, what these improvements will entail, the proposed mitigation measures, and any possible effects to school bus routes.

If you have any questions or comments, you may contact the undersigned at 705-722-3555 ext. 333.

Sincerely,

Tracy Haynes, BES  
Planning Officer

**Tammy Kalimootoo**

# 299250

**From:** Grant Shellswell [gshellswell@innisfil.ca]  
**Sent:** January 4, 2006 2:54 PM  
**To:** Joe Mullan, P.Eng  
**Cc:** Tammy Kalimootoo  
**Subject:** FW: 7th Line Storm Drainage Outlet

Please see attached.

Grant W. Shellswell  
Engineering Technologist  
Planning and Development Services  
Engineering  
Phone:(705)436-3710  
Fax:(705)436-7120  
web: [www.innisfil.ca](http://www.innisfil.ca)

-----Original Message-----

**From:** Carsten Schnuelle [mailto:Carsten.Schnuelle@rci.rogers.com]  
**Sent:** January 4, 2006 9:26 AM  
**To:** Grant Shellswell  
**Subject:** 7th Line Storm Drainage Outlet

Dear Mr Shellswell

Please find our Rogers Reply letter attached below. If you have any further questions please feel free to contact me at the number below.

Thank you for keeping us informed.

Carsten Schnuelle

System Planner  
Rogers Communications Inc.  
Tel: 905-836-7574 Fax: 905-898-7577  
carsten.schnuelle@rci.rogers.com

*\* Views expressed by the author do not necessarily reflect those of the Rogers Corporation unless expressly stated otherwise.*

<<Town Of Innisfil 7th Line Storm Drainage Outlet Reply04-Jan-06.doc>>



Wednesday, January 04, 2006

Grant Shellswell  
Town Of Innisfil  
2147 Innisfil Beach Road  
Innisfil Ontario  
L9S 1A1

Attention: Mr. Grant Shellswell

Subject: Town Of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet

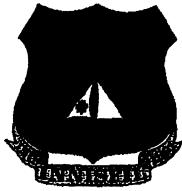
Dear Mr. Shellswell

Rogers Communications inc. has no special requirements with regards to this project at this time. However please keep us informed on the progress of this project since relocation of Rogers facilities may be required once a more detailed plan of the required work to improve the Storm Drainage Outlet has been developed.

Sincerely

*Carsten Schnuelle*

Carsten Schnuelle  
Rogers Communications Inc.  
395A Mulock Drive  
Newmarket, Ontario  
L3Y 8P3  
(905) 836-7574  
[carsten.schnuelle@rci.rogers.com](mailto:carsten.schnuelle@rci.rogers.com)



**TOWN OF INNISFIL  
MUNICIPAL CLASS EA – SCHEDULE 'B'  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
PUBLIC INFORMATION CENTRE**

January 10<sup>th</sup>, 2006

**QUESTIONNAIRE & COMMENT SHEET**

Comments received from this Public Information Centre will assist in the selection of the preferred alternative. Please review the following information and provide any comments to ensure that your concerns are addressed.

**Problem Statement**

The purpose of this Class Environmental Assessment is to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to the Lake, as this section of the watercourse experiences flooding during storm events.

This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

**1. Do you have any comments with respect to the problem statement?**

*Simplified problem more complex because of  
New development holding areas improve flow artificially - more  
advanced holding areas to control flow only solution*

**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

**2. Are there any other alternatives that the Town should consider?**

*area around drains in flood plane should be utilized  
for diversion - the large central field at top of area should  
be used for large holding area. A consideration for full flow  
capacity pumping only true cure.*

**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

**3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)**

I AGREE

I DISAGREE

*at shared cost of all New Contract Development.*

If you disagree with the Recommended Solution, please explain why:

Not Disagree more large areas will add to Discharge  
By Not closing area off

4. Do you have any other comments relating to this Class Environmental Assessment?

more should be done on all development

5. Would you like to continue to be informed of the project?

YES

NO

Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:

**Consultant:**

Joe Mullan, P.Eng  
Ainley & Associates Ltd.  
550 Welham Road  
Barrie, Ontario  
L4N 8Z7

OR

**Town of Innisfil:**

Grant Shellswell  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

Tel: (705) 726-3371  
Fax: (705) 726-4391  
Email: [mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)

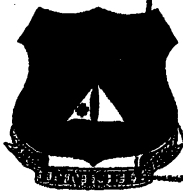
Tel: (705) 436-3710  
Fax: (705) 436-7120  
Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

**Name & Address of Respondent: (Please complete)**

Name: LARRY MILLER

Address: 717 Roberts Rd. L9S 2E4





**RECEIVED**  
 JAN 19 2006  
 WILEY & ASSOCIATES LTD.-8

TOWN OF INNISFIL  
 MUNICIPAL CLASS EA – SCHEDULE 'B'  
 7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
 PUBLIC INFORMATION CENTRE

January 10<sup>th</sup>, 2006

TO	SEEN
ABR	
TRK	
FILE NO.	

**QUESTIONNAIRE & COMMENT SHEET**

Comments received from this Public Information Centre will assist in the selection of the preferred alternative. Please review the following information and provide any comments to ensure that your concerns are addressed.

**Problem Statement**

The purpose of this Class Environmental Assessment is to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to the Lake, as this section of the watercourse experiences flooding during storm events.

This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

**1. Do you have any comments with respect to the problem statement?**

*Yes, capacity condition did exist prior to north subdivision but has increased since. Tree removal on both sides has raised water table in areas west of St. John's Rd. Tree removal & land elevation on Telco site has impact how much my sump has had to run.*

**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

**2. Are there any other alternatives that the Town should consider?**

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**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

**3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)**

I AGREE

I DISAGREE

If you disagree with the Recommended Solution, please explain why:

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4. Do you have any other comments relating to this Class Environmental Assessment?

*A holding pond at the corner of St. Johns & 7th NW corner combined with Alternative 4 could be an enhancement to Alternative 4.*

5. Would you like to continue to be informed of the project?

YES

NO

Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:

**Consultant:**  
Joe Mullan, P.Eng  
Ainley & Associates Ltd.  
550 Welham Road  
Barrie, Ontario  
L4N 8Z7

OR

**Town of Innisfil:**  
Grant Shellswell  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

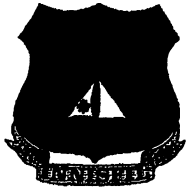
Tel: (705) 726-3371  
Fax: (705) 726-4391  
Email: [mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)

Tel: (705) 436-3710  
Fax: (705) 436-7120  
Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

-----  
**Name & Address of Respondent: (Please complete)**

Name: LYNN REID

Address: 1782 WINGROVE AV  
INNISFIL ON L9S 1S4



**TOWN OF INNISFIL  
MUNICIPAL CLASS EA – SCHEDULE 'B'  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
PUBLIC INFORMATION CENTRE**

January 10<sup>th</sup>, 2006

**QUESTIONNAIRE & COMMENT SHEET**

Comments received from this Public Information Centre will assist in the selection of the preferred alternative. Please review the following information and provide any comments to ensure that your concerns are addressed.

**Problem Statement**

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This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

**1. Do you have any comments with respect to the problem statement?**

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**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

**2. Are there any other alternatives that the Town should consider?**

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**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

**3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)**

I AGREE

I DISAGREE

If you disagree with the Recommended Solution, please explain why:

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4. Do you have any other comments relating to this Class Environmental Assessment?

- consideration of wildlife with respect to construction

5. Would you like to continue to be informed of the project?



YES



NO

Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:

**Consultant:**

Joe Mullan, P.Eng  
Ainley & Associates Ltd.  
550 Welham Road  
Barrie, Ontario  
L4N 8Z7

OR

**Town of Innisfil:**

Grant Shellswell  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

Tel: (705) 726-3371

Fax: (705) 726-4391

Email: [mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)

Tel: (705) 436-3710

Fax: (705) 436-7120

Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

**Name & Address of Respondent: (Please complete)**

Name: Kimberly & Alistair Hunter-Gajur

Address: 1783 St. Johns Road, Innisfil L9S 1S9



**TOWN OF INNISFIL  
MUNICIPAL CLASS EA – SCHEDULE 'B'  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
PUBLIC INFORMATION CENTRE**

January 10<sup>th</sup>, 2006

**QUESTIONNAIRE & COMMENT SHEET**

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The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

**1. Do you have any comments with respect to the problem statement?**

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**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

**2. Are there any other alternatives that the Town should consider?**

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**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

**3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)**

I AGREE

I DISAGREE

If you disagree with the Recommended Solution, please explain why:

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---

---

4. Do you have any other comments relating to this Class Environmental Assessment?

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---

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5. Would you like to continue to be informed of the project?

YES

NO

Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:

**Consultant:**  
Joe Mullan, P.Eng  
Ainley & Associates Ltd.  
550 Welham Road  
Barrie, Ontario  
L4N 8Z7

OR

**Town of Innisfil:**  
Grant Shellswell  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

Tel: (705) 726-3371  
Fax: (705) 726-4391  
Email: [mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)

Tel: (705) 436-3710  
Fax: (705) 436-7120  
Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

-----  
**Name & Address of Respondent: (Please complete)**

Name: LARRY and SONYA KARN

Address: 899 7<sup>TH</sup> LINE

---

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**TOWN OF INNISFIL  
MUNICIPAL CLASS EA – SCHEDULE 'B'  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
PUBLIC INFORMATION CENTRE**

January 10<sup>th</sup>, 2006

**QUESTIONNAIRE & COMMENT SHEET**

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The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

**1. Do you have any comments with respect to the problem statement?**

\_\_\_\_\_

*none*

\_\_\_\_\_

**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
- ④ Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

**2. Are there any other alternatives that the Town should consider?**

*- widening the section of the bridge seems to make sense + cost most efficient - what about also making the course wider ?? don't know if that can be done?*

**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

**3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)**

I AGREE

I DISAGREE

If you disagree with the Recommended Solution, please explain why:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Do you have any other comments relating to this Class Environmental Assessment?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Would you like to continue to be informed of the project?

YES

NO

Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:

**Consultant:**  
Joe Mullan, P.Eng  
Ainley & Associates Ltd.  
550 Welham Road  
Barrie, Ontario  
L4N 8Z7

OR

**Town of Innisfil:**  
Grant Shellswell  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

Tel: (705) 726-3371  
Fax: (705) 726-4391  
Email: [mullan@ainleygroup.com](mailto:mullan@ainleygroup.com)

Tel: (705) 436-3710  
Fax: (705) 436-7120  
Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

-----  
**Name & Address of Respondent: (Please complete)**

Name: Shannon Koppenhoefer

Address: 1784 Cross St, Innisfil (705) 436-5442



**Tammy Kalimootoo**

#299250

**From:** Joe Mullan [mullan@ainleygroup.com]  
**Sent:** January 26, 2006 7:55 AM  
**To:** Tammy Kalimootoo  
**Cc:** Richard Sloan  
**Subject:** FW: 7th Line Stormwater EA

-----Original Message-----

**From:** Sid Preece [mailto:spreece@gsgroup.com]  
**Sent:** Wed Jan 25, 2006 11:33 PM  
**To:** mullan@ainleygroup.com; gshellswell@innisfil.ca  
**Cc:** spreece@tht.net  
**Subject:**

To Whom It May Concern

Thank you for the opportunity to hear of your study into reducing the impact of flooding on homes along the 7<sup>th</sup> line and Cross Street. I was pleased to hear the creek is going to remain intact as my concern prior to the meeting was the potential to close the creek and redirect the waters elsewhere. Alternative 4 is OK but I personally prefer Alternative 5 which would see traffic across the creek closed. I would picture a landscaped creek setting open to all members of the public in the community. I would picture a pedestrian/bike bridge across the creek to allow foot traffic along Cross Street. This would not impair traffic of the cottagers as the limited north south traffic movement is easily redirected by way of St' John's Road. This alternative would result in a picturesque, natural setting for the creek and would allow all in the community to further enjoy the wildlife abundant in the creek without encroaching on private property. The cost of this alternative would be considerably less as the construction of the bridge facility would be reduced dramatically (in my opinion at least). The loss of ability to drive south along Cross Street would not impair myself in anyway. I believe this option should at least be costed before making a final decision.

Thanks for the opportunity to comment

Sid and Anne Preece



TOWN OF INVERNESS  
 MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT SCHEDULE 'B'  
 7<sup>TH</sup> LINE STORM DRAINAGE OUTLET  
 PUBLIC INFORMATION CENTRE

January 10<sup>th</sup>, 2006

**QUESTIONNAIRE & COMMENT SHEET**

Comments received from this Public Information Centre will assist in the selection of the preferred alternative. Please review the following information and provide any comments to ensure that your concerns are addressed.

**Problem Statement**

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This capacity condition existed prior to the development of the newer subdivisions on the north and south side of the 7<sup>th</sup> Line.

The Municipality does not own the lands on which this portion of the watercourse traverses, nor does the Municipality have access easements.

1. Do you have any comments with respect to the problem statement?

No

**List of Alternatives**

1. Do Nothing
2. Construct a Piped Outlet to Lake Simcoe along the 7<sup>th</sup> Line
3. Lower 7<sup>th</sup> Line Profile between St. John's Road & Cross Street to Provide Overland Flow Route
4. Increase Conveyance Capacity of Structure at Cross Street
5. Turn Cross Street into Cul-de-Sac and Remove Crossing Entirely
6. Create a Stormwater Detention Facility on Town owned Lands
7. Implement Measures within Channel Limits

2. Are there any other alternatives that the Town should consider?

No

**Recommended Solution**

Alternative 4 – Increase Conveyance Capacity of Structure at Cross Street

3. Do you agree or disagree with the selection of Alternative 4 (as described above) as the Recommended Solution? (Please check one)

- I AGREE       I DISAGREE

If you disagree with the Recommended Solution, please explain why:

~~I - PROPER ALTERNATIVES~~ THE CUL DE SAC APPROACH  
WOULD DIRECTLY AFFECT ONLY 3 PROPERTIES ON CROSS STREET  
ALL HOMES WOULD HAVE EASY ACCESS TO SYDNEY ROAD.  
THIS APPROACH WOULD GREATLY ENHANCE THE ENVIRONMENTAL

4. Do you have any other comments relating to this Class Environmental Assessment?

~~ALTERNATIVE #5 WOULD NOT AFFECT~~ THE  
TRAFFIC OR INCONVENIENCE CURRENTLY  
PROPERTY OWNERS THIS OPTION WOULD BE  
LESS EXPENSIVE AND SHOULD AT LEAST BE CONSIDERED.

5. Would you like to continue to be informed of the project?

YES  NO

Please forward your comments by Friday, January 27<sup>th</sup>, 2006 to the following:

Consultant:	OR	Town of Innisfil:
Joe Mullian, P.Eng		Grant Shellswell
Ainley & Associates Ltd.		Town of Innisfil
550 Welham Road		2147 Innisfil Beach Road
Barrie, Ontario		Innisfil, Ontario
L4N 8Z7		L9S 1A1
Tel: (705) 726-3371		Tel: (705) 436-3710
Fax: (705) 726-4391		Fax: (705) 436-7120
Email: <a href="mailto:mullian@ainleygroup.com">mullian@ainleygroup.com</a>		Email: <a href="mailto:gshellswell@innisfil.ca">gshellswell@innisfil.ca</a>

Name & Address of Respondent: (Please complete)

Name: SID PREECE  
Address: 1787 CROSS STREET  
INNISFIL, ONTARIO  
L9S-4L9  
416 529-2588  
SPREECE@TAT.NET

WE WOULD ENVISION A CUL DE SAC  
WITH ~~THE~~ A PEDESTRIAN BRIDGE.  
CONNECTING THE TWO SIDES FOR FOOT TRAFFIC

**APPENDIX F: TOWN OF INNISFIL STAFF REPORT NO. PDS-120-06 AND  
COUNCIL RECOMMENDATION, DATED NOVEMBER 1<sup>ST</sup>, 2006**



## TOWN OF INNISFIL STAFF REPORT

**STAFF REPORT NO.**

**PDS-120 06**

**CW DATE** November 1/06

**ITEM NO.** 8.2

**DATE:**

**November 1, 2006**

**TO:**

**Mayor, Deputy Mayor and Members of Council**

**FROM:**

**Robert McAuley, Director of Planning & Development**

**SUBJECT:**

**7<sup>th</sup> Line Environmental Assessment, Additional Options**

**CROSS REF.:**

**PDS-057-06**

### **RECOMMENDATION:**

That Council endorse the preferred solution to the 7<sup>th</sup> Line Water Course No. 5 Environmental Assessment being option 4 which is to increase the capacity of the Cross Street bridge structure as a first phase;

And that opportunities to undertake Alternative 9 be considered in conjunction with a Master Drainage Plan for an expanded Alcona area or future budget;

And that staff be directed to publish the notice of completion as required by the Municipal Class Environmental Assessment process.

And that the 2011 Capital Budget plan include the Cross Street bridge replacement for budget consideration.

### **BACKGROUND:**

On June 21, 2006 staff report PDS 057 06 was presented to Committee. The Committee Recommendation CW-246.06 was:

*"That Staff Report PDS-057-06, dated June 21, 2006, regarding the Environmental Assessment,*

*7<sup>th</sup> Line Water Course No. 5, Capacity Assessment be referred back to the Environmental Assessment Group to investigate upstream improvements."*

#### **ANALYSIS/CONSIDERATION:**

Report PDS-057-06 recommended Alternative 4 be selected as the preferred alternative. Alternative 4 was the replacement of the Cross Street bridge with a structure that provided an increased conveyance capacity for the water course.

This option provides a benefit to the properties affected by the frequent storm events such as the 2, 5 and 10 year events. As a result the homes immediately adjacent to the water course should see flooding onto their properties less frequently if the bridge structure is replaced with a structure that has a larger conveyance capacity. The increased bridge conveyance capacity will not eliminate flooding upstream from the Cross Street bridge. Even with the replacement of the bridge with a larger structure, upstream properties will continue to experience flooding.

At the direction of Council the Environmental Assessment Group reconvened to further consider the request of Committee with respect to the upstream watercourse improvements to address watercourse capacity issues between St. John's Road and Lake Simcoe along Watercourse No. 5.

The attached summary provides preliminary background information for additional alternatives. These alternatives are listed as alternative 9, 10 and 11.

#### **Alternative 9:**

This alternative would provide sufficient upstream storage to control the 10 year storm event down to a 5 year storm event. With the implementation of Alternative 4 being the replacement of the Cross Street structure the 5 year storm event generally is contained within the banks of the watercourse, with the exception of an area immediately upstream of Cross Street. As a result with the combination of Alternative 4 and Alternative 9 the downstream residents would see the most noticeable reduction in flooding.

This alternative is estimated to cost \$1.5 million (2006 \$) and consume approximately 8 acres of land at a depth of 2 meters when flooding.

#### **Alternative 10:**

This alternative would provide sufficient upstream storage to control the 25 year storm event to a level approximately 30% greater than the 5 year event. Due to the release rates from the storm ponds within the Alcona Secondary Plan an upstream storage facility would not be able to achieve a 25 year storage event reduction to the 5 year event without retrofitting all the existing storm water management facilities.

This alternative is estimated to cost \$2.7 million (2006 \$) and consume approximately 20 acres of land.

**Alternative 11:**

This alternative would provide sufficient upstream storage to control the 100 year storm event to a level approximately 8% less than the 25 year event. Due to the release rates from the storm ponds within the Alcona Secondary Plan an upstream storage facility would not be able to achieve a 25 year event below this level. As with Alternative 10 retrofitting the existing storm water management facilities would be required to further reduce the flooding from this storm event.

This alternative is estimated to cost \$4.3 million (2006 \$) and consume approximately 37 acres of land.

Since these alternatives are contingent on the development of facilities on private property, which may have future development potential, the design and construction of the upstream facilities should be considered in conjunction with a new Master Drainage Plan for any further development west of the current Alcona Secondary Plan. When the lands to the west of the Alcona Secondary Plan are developed and a Master Drainage Plan is prepared the costs to implement the additional upstream storage facilities can be assessed to the new upstream development.

**OPTIONS/ALTERNATIVES:**

The public process as determined by the Municipal Class Environmental Assessment has been completed and all public comments have been considered by the Environmental Assessment team. Should Council determine that a solution other than the recommended preferred solution be considered the Environmental Assessment team would be reconvened to consider any additional information presented.

Should Council wish to proceed with the implementation of Alternative 9, 10 or 11 the replacement of the Cross Street bridge would still be required for structural reasons. Replacing this bridge with a structure that provides additional conveyance capacity could still be completed to eliminate the watercourse restriction at this point. Therefore Alternative 4 could be implemented regardless of any other alternatives or in conjunction with Alternative 9, 10 or 11.

Considering the socio-economic benefits of alternatives 9, 10 or 11 staff are of the opinion that Alternative 9 would be the most cost effective option for improved flood control.

Council could direct staff to revise the 2007, 2008, 2009 or 2010 capital budget programs to bring forward the Cross Street bridge replacement to an earlier year. However, this would result in other projects already planned in the current four year capital budget program to be delayed into 2011 or later.

**FINANCIAL CONSIDERATIONS:**

The 2007, 2008, 2009 and 2010 Capital budgets have been drafted by staff and do not include the Cross Street bridge replacement. Therefore the Cross Street bridge structure can be brought

forward for capital budget consideration in the 2011 program. The construction costs of a bridge with increased conveyance capacity are estimated at \$400,000. Since the oversizing of the bridge structure is providing a benefit to a localized area the Town could consider the collection of the costs for the oversizing through a local improvements levy.

**CONCLUSION:**


The preferred solution (Alternative 4) will result in a reduction in flooding for the properties immediately adjacent the water course. In addition the existing bridge structure is in need of replacement therefore it is recommended that in conjunction with the bridge replacement the water course conveyance capacity be increased.

The upstream storage facility (Alternative 9) should be reviewed in detail in conjunction with a new Master Drainage Plan for any development of additional lands west of the current Alcona Secondary Plan or as a future capital budget consideration.


**PREPARED BY:**

Grant W. Shellswell

**APPROVED BY:**

  
\_\_\_\_\_  
Robert McAuley,  
Director of Planning and Development

**REVIEWED FOR SUBMISSION**

  
\_\_\_\_\_  
Lawrence Allison  
Chief Administrative Officer

All Attachments Listed Below:

- Key Map
- Alternatives 9, 10 and 11
- Draft Notice of Completion
- Report PDS-057-06





PDS-120-06

**TOWN OF INNISFIL  
CLASS ENVIRONMENTAL ASSESSMENT  
SCHEDULE "B"  
7<sup>TH</sup> LINE STORM DRAINAGE OUTLET**

**ALTERNATIVES 9, 10 & 11**

**PROVIDE ADDITIONAL STORMWATER DETENTION  
UPSTREAM OF SECONDARY PLAN AREA**

A preliminary assessment of the potential to provide stormwater detention on property upstream of the Alcona Secondary Plan area to reduce the flowrate at the outlet to Lake Simcoe was considered. Although this type of analysis requires the completion of a detailed watershed study of the subject area to optimize the location and performance of a network of these types of facilities, it was determined that based on a simplified analysis a general determination of the approximate land requirements required to achieve the design objectives could be completed.

On this basis an assessment of three alternatives was completed. Each analysis was completed assuming that the required detention could be provided in a single online facility immediately upstream of the existing detention area, west of the CNR rail tracks located west of the 20<sup>th</sup> Side Road. In actuality, a number of facilities will be required throughout the watershed based on land topography, proximity to the existing watercourse, and land availability. However this level of detail would be established as part of the watershed study for the area and is beyond the scope of this analysis. The analysis was also completed based on development conditions upstream of the Alcona Secondary Plan Area under existing conditions at the time of the completion of the Master Servicing and Drainage Plan (MSDP) and the Secondary Area fully developed as per the MSDP.

The three alternatives under consideration examine the approximate land acquisition requirements to achieve each of the following scenarios:

**Alternative 9**

Control of the 10-year flows from the upstream area to achieve the 5-year flowrate under ultimate conditions at the outlet to Lake Simcoe (approx. 7 m<sup>3</sup>/s). This target was established based on the analysis completed for Alternative 4 which demonstrates that flooding which occurs under the 5-year rates is sufficiently mitigated following the replacement of the Cross Street structure.

The estimated cost to complete this option is \$1.5 million. This cost allows for the preparation of a detailed watershed study, land acquisition, engineering design, and facility construction.

### Alternative 10

Control of the 25-year flows from the upstream area to achieve a flowrate of approximately  $9.1 \text{ m}^3/\text{s}$  at the outlet to Lake Simcoe (approx. 30% greater than the 5-year flowrate under ultimate conditions at this location). It was not possible to achieve the 5-year target under the 25-year storm since the release rate from the properties within the Secondary Plan Area exceeds this rate. This is due to the fact that the MSDP was prepared assuming that flowrates should be controlled to pre-development levels and as a result the 25-year runoff would not be controlled to the 5-year rate.

The estimated cost to complete this option is \$2.7 million. This cost allows for the preparation of a detailed watershed study, land acquisition, engineering design, and facility construction.

### Alternative 11

Control of the 100-year flows from the upstream area to achieve a flowrate of approximately  $12.9 \text{ m}^3/\text{s}$  at the outlet to Lake Simcoe (approx. 8% less than the 25-year flowrate under ultimate conditions at this location). Once again this was the minimum attainable flowrate based on the existing control requirements of the MSDP for the Secondary Plan Area.

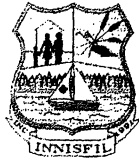
The estimated cost to complete this option is \$4.3 million. This cost allows for the preparation of a detailed watershed study, land acquisition, engineering design, and facility construction.

### ADVANTAGES

1. Further reduction in flood elevations for less frequent events in comparison to Alternative 4.

### DISADVANTAGES

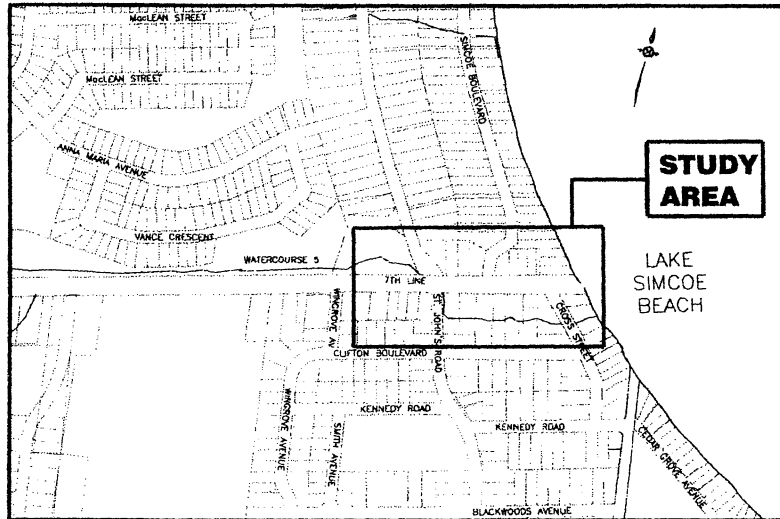
1. Significant costs associated with completing studies to determine appropriate location for facilities.
2. Lengthy time frame for land acquisition and application of study recommendations.
3. Based on the level of study completed at this time it cannot be determined with absolute certainty whether this option is completely feasible.



**Town of Innisfil  
Class Environmental Assessment  
7<sup>th</sup> Line Storm Drainage Outlet**

**NOTICE OF COMPLETION**

Subsequent to a Public Information Centre held on January 10<sup>th</sup>, 2006 and the review of comments received, the Town of Innisfil has completed their consideration of alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road as defined in the study area shown below.



The Town of Innisfil has selected a Preferred Solution which involves increasing the conveyance capacity of the structure at Cross Street.

In addition the Town has identified a future need for the design and construction of additional storage facilities upstream from the Alcona Secondary Plan. These works should be reviewed through a Master Drainage Plan in conjunction with future development west of the Alcona Secondary Plan.

A Project File has been prepared and is being placed on public record for review between the hours of 8:30 a.m. and 4:30 p.m., Monday through Friday, at the following location:

**Town of Innisfil Administration Office  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1**

Please provide any written comments to Mr. Grant Shellswell, of the Town of Innisfil, within 30 calendar days of this Notice. If concerns regarding this project cannot be resolved, a person or party may request that the Minister of the Environment make an order for the project to comply with Part II of the Environmental Assessment Act (referred to as a Part II Order), which addresses individual environmental assessments. Requests for a Part II Order must be received by the Minister within 30 calendar days of this Notice (by July 28<sup>th</sup>, 2006), at the address below. A duplicate copy of the request must also be forwarded to Mr. Grant Shellswell.

**Mr. Grant Shellswell**  
**Engineering Division**  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1  
Tel: 705-436-3710  
Fax: 705-436-7120  
E-mail: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

**Minister of the Environment**  
12th Floor, 135 St. Clair Avenue W.  
Toronto, Ontario  
M4V 1P5

This notice issued on (insert date).

*Item 8.1 cont'd...*

2. *That the Municipality conduct a meeting of the Council to consider the report and provide appeals by assessed owners only with respect to assessment and allowance.*
3. *With respect to the issue of legal cost the Drainage Referee is prepared to address the issue only after receiving written submissions from legal counsel.*

be received; and

**THAT the Town Clerk take action to notify Dillon Consulting Limited to address Item #1 of the Referee's order 04-B7552 which coincides with Report CS-26-05; and**

**THAT the Town Clerk take action to comply with Item #2 of the Drainage Referee order; and**

**THAT the Town's solicitor be advised to ensure if the applicant's counsel submits a written request for legal costs such costs are valid; and**

**THAT the Town Clerk circulate the Order to benefiting landowners with an explanation of the potential timing and implications; and**

**THAT applicable implementation and carrying costs be factored into 2007 capital budget deliberations.**

- (8.2) Staff Report PDS-120-06, dated November 1, 2006, re: 7<sup>th</sup> Line Environmental Assessment, Additional Options.

**CW-331.06 Recommendation**

**That Staff Report PDS-120-06, dated November 1, 2006, regarding the 7<sup>th</sup> Line Environmental Assessment, Additional Options be received; and**

**That Council endorse the preferred solution to the 7<sup>th</sup> Line Water Course No. 5 Environmental Assessment being option 4 which is to increase the capacity of the Cross Street bridge structure as a first phase; and**

**That opportunities to undertake Alternative 9 be considered in conjunction with a Master Drainage Plan for an expanded Alcona area or future budget; and**

**That staff be directed to publish the notice of completion as required by the Municipal Class Environmental Assessment process; and**

**That the 2011 Capital Budget plan include the Cross Street bridge replacement for budget consideration.**

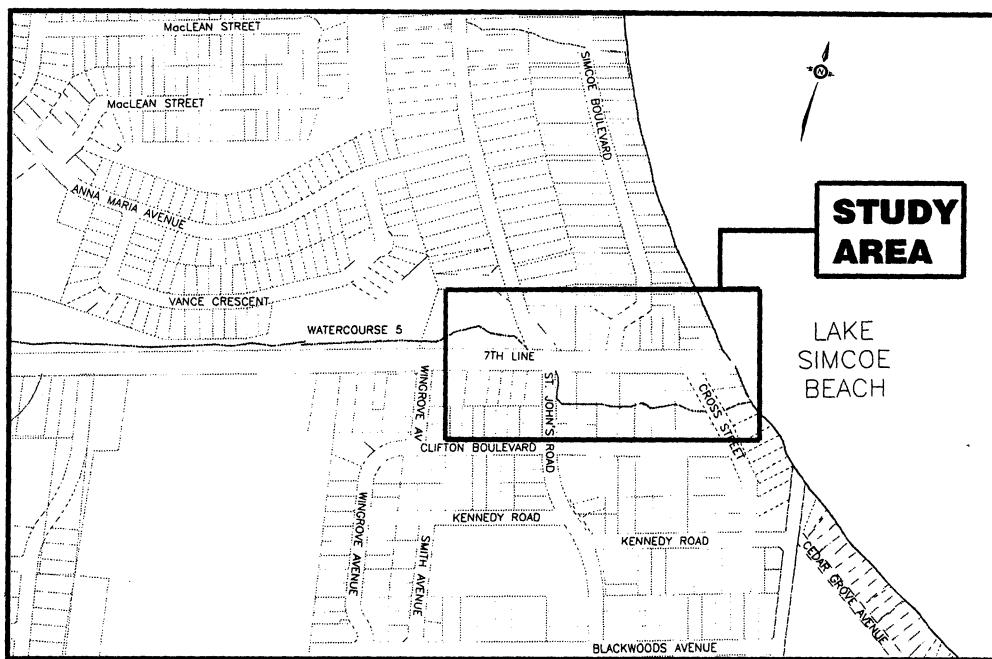
**APPENDIX G: NOTICE OF COMPLETION AND RELATED  
CORRESPONDENCE**



**Town of Innisfil  
Class Environmental Assessment  
7<sup>th</sup> Line Storm Drainage Outlet**

**NOTICE OF COMPLETION**

At a Public Information Centre held on January 10<sup>th</sup>, 2006, various alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to the Lake were presented and discussed.



Subsequent to comments received at the Public Information Centre, The Town of Innisfil proceeded to consider an additional alternative of providing stormwater detention upstream of the Alcona Secondary Plan Area. As a result, the Town of Innisfil has now determined that the Preferred Solution for improving the storm drainage capacity of Watercourse 5, within the section illustrated in the Study Area above, is to initially increase the conveyance capacity of the existing bridge structure at Cross Street as well as provide future consideration for upstream stormwater detention in conjunction with the completion of a Master Drainage Plan for a future expanded Alcona area.

This municipal servicing project has been planned under Schedule 'B' of the Municipal Class Environmental Assessment. As such, a Project File has been prepared and is being placed on public record for review between the hours of 8:30 a.m. and 4:30 p.m., Monday through Friday, at the following location:

**Town of Innisfil Administration Office  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1  
Tel: (705) 436-3710**

Please provide any written comments to Mr. Grant Shellswell, of the Town of Innisfil, within 30 calendar days from the issue date of this Notice.

If concerns regarding this project cannot be resolved, a person or party may request that the Minister of the Environment make an order for the project to comply with Part II of the Environmental Assessment Act, which addresses individual environmental assessments. Requests for a Part II Order must be received by the Minister within 30 calendar days from the issue date of this Notice (by Friday February 2<sup>nd</sup>, 2007), at the address below. A duplicate copy of the request must also be forwarded to Mr. Grant Shellswell.

**Mr. Grant Shellswell  
Engineering Division  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1  
Tel: 705-436-3710  
Fax: 705-436-7120  
E-mail: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)**

**Minister of the Environment  
12th Floor, 135 St. Clair Avenue W.  
Toronto, Ontario  
M4V 1P5**

This notice issued on January 3<sup>rd</sup>, 2007.



CONSULTING  
ENGINEERS  
PLANNERS

Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

714 Roberts Road  
Innisfil, Ontario  
L9S 2E4

Attn: **Mr. Larry Miller**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Miller:

As you are aware, the Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As requested at the Public Information Centre held in January of 2006, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink, appearing to read "J. A. Mullan".

J. A. Mullan, P.Eng.  
President & CEO

Encl.

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

1782 Wingrove Avenue  
Innisfil, Ontario  
L9S 1S4

Attn: **Ms. Lynn Reid**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Ms. Reid:

As you are aware, the Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As requested at the Public Information Centre held in January of 2006, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "J. A. Mullan". The signature is written in a cursive, flowing style.

J. A. Mullan, P.Eng.  
President & CEO

Encl.

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

1783 St. John's Road  
Innisfil, Ontario  
L9S 1S9

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. & Mrs. Hunter-Gafur:

As you are aware, the Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As requested at the Public Information Centre held in January of 2006, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
President & CEO

Encl.

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Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

899 7<sup>th</sup> Line  
Innisfil, Ontario  
L9S 4E9

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. & Mrs. Karn:

As you are aware, the Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As requested at the Public Information Centre held in January of 2006, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "J. A. Mullan". The signature is written in a cursive, flowing style.

J. A. Mullan, P.Eng.  
President & CEO

Encl.

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

1784 Cross Street  
Innisfil, Ontario  
L9S 4M1

Attn: **Ms. Shannon Koppenhoefer**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Ms. Koppenhoefer:

As you are aware, the Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As requested at the Public Information Centre held in January of 2006, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
President & CEO

Encl.

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

1787 Cross Street  
Innisfil, Ontario  
L9S 4L9

Attn: **Mr. Sid Preece**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Preece:

As you are aware, the Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As requested at the Public Information Centre held in January of 2006, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "J. A. Mullan". The signature is written in a cursive style with a large, stylized initial "J".

J. A. Mullan, P.Eng.  
President & CEO

Encl.

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Ministry of the Environment  
London Regional Office  
733 Exeter Road  
London, Ontario N6E 1L3

Attn: **Dr. R. Griffiths**  
**Environmental Assessment Coordinator**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Dr. Griffiths:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As such, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

J. A. Mullan, P.Eng.  
President & CEO

Encl.

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Ministry of the Environment  
Barrie District Office  
54 Cedar Pointe Drive, Unit 1203  
Barrie, Ontario L4N 5R7

Attn: **Mr. Don Grabowski**  
**Senior Environmental Engineer**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Grabowski:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As such, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
President & CEO

Encl.

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Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Ministry of the Environment  
Environmental Assessment & Approvals Branch  
12th Floor, 2 St. Clair Avenue West  
Toronto, Ontario M4V 1L5

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Sir or Madam:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As such, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
President & CEO

Encl.

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Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Innisfil Fire Department  
780 Innisfil Beach Road  
Innisfil, Ontario L9S 2C3

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Sir or Madam:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
President & CEO

Encl.

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550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

South Simcoe Police  
2137 Innisfil Beach Road  
Innisfil, Ontario L9S 1A2

Attn: **Ms. Kim Taylor**  
**Manager of Communications and Records**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Ms. Taylor:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

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Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

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J. A. Mullan, P.Eng.  
President & CEO

Encl.

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Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Ministry of Natural Resources  
Midhurst District Office  
2284 Nursery Road  
Midhurst, Ontario L0L 1X0

Attn: **Ms. Kathy Woeller**  
**District Planner**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Ms. Woeller:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

Through this Class EA process, the Town of Innisfil has determined that the conveyance capacity of the existing bridge structure at Cross Street is to be increased and that in the future, the provision of upstream stormwater detention is to be considered through the completion of a Master Drainage Plan for an expanded Alcona Area.

As such, this correspondence is being sent to inform you of the issuance of the Notice of Completion for this project. Please refer to the attached copy of the Notice for further information.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink that reads "Jae Mullan". The signature is written in a cursive, flowing style.

J. A. Mullan, P.Eng.  
President & CEO

Encl.

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CONSULTING  
ENGINEERS  
PLANNERS

Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Lake Simcoe Region Conservation Authority  
120 Bayview Parkway  
Box 282  
Newmarket, Ontario L3Y 4X1

Attn: **Planning Department**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Sir or Madam:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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January 3, 2007

File #299252

Simcoe County District School Board  
1170 Highway 26  
Midhurst, Ontario L0L 1X0

Attn: **Ms. Virginia Olsen**  
**Environmental and Energy Systems Coordinator**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Ms. Olsen:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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January 3, 2007

File #299252

Simcoe County District Health Unit  
15 Sperling Drive  
Barrie, Ontario L4M 6K9

Attn: **Dr. Charles Gardner**  
**Chief Medical Officer**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Dr. Gardner:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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President & CEO

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January 3, 2007

File #299252

Ministry of Economic Development and Trade  
Simcoe Regional Office  
2284 Nursery Road  
Midhurst, Ontario  
L0L 1X0

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Sir or Madam:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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President & CEO

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January 3, 2007

File #299252

Ministry of Tourism and Recreation  
Simcoe Regional Office  
2284 Nursery Road  
Midhurst, Ontario  
L0L 1X0

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

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January 3, 2007

File #299252

Rogers Cable  
1 Sperling Drive  
Barrie, Ontario L4M 6K9

Attn: **Mr. Harm Vandeven**  
**Technical Operations Manager**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Vandeven:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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President & CEO

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Bell Canada  
136 Bayfield Street  
Floor 12  
Barrie, Ontario L4M 3B1

Attn: **Mr. Colin Bonnell**  
**Manager – Access Network**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Bonnell:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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President & CEO

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Enbridge Gas  
500 Elgin Mills Road  
Richmond Hill, Ontario L4C 5G1

Attn: **Records Department**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Sir or Madam:

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

County of Simcoe  
Administration Centre  
1110 Highway #26  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Rick Newlove, P. Eng.**  
**General Manager of Corporate Services**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Newlove:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Ministry of Municipal Affairs & Housing  
Municipal Services Office - Central Ontario  
2nd Floor, 777 Bay Street  
Toronto, Ontario M5G 2E5

Attn: **Mr. Bruce Singbush, MCIP, RPP**  
**Manager, Planning Projects**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Singbush:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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January 3, 2007

File #299252

Ministry of Agriculture, Food and Rural Affairs  
R.R.#3  
95 Dundas Street  
Brighton, Ontario K0K 1H0

Attn: **Mr. Ray Vilaitis**  
**Rural Planner**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Vilaitis:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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January 3, 2007

File #299252

Ministry of Citizenship, Culture and Recreation  
District Office  
2284 Nursery Road  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Greig Stewart**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Stewart:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Simcoe County Paramedic Services  
1110 Highway 26  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Andrew Robert**  
**Director of Paramedic Services**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Robert:

As indicated through previous correspondence to your office, The Town of Innisfil has retained The Ainley Group to conduct a Schedule 'B' Municipal Class Environmental Assessment to consider alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to Lake Simcoe, as illustrated in the attached location map.

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J. A. Mullan, P.Eng.  
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January 3, 2007

File #299252

County of Simcoe  
Administration Centre  
1110 Highway #26  
Midhurst, Ontario L0L 1X0

Attn: **Mr. Mark Aitken**  
**Chief Administrative Officer**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Mr. Aitken:

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*for* J. A. Mullan, P.Eng.  
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Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

January 3, 2007

File #299252

Simcoe Muskoka District Catholic School Board  
46 Alliance Boulevard  
Barrie, Ontario L4M 5K3

Attn: **Planning Department**

Re: **Notice of Completion**  
**Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet**  
**Schedule 'B' Class Environmental Assessment**

Dear Sir or Madam:

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*JAM*  
J. A. Mullan, P.Eng.  
President & CEO

Encl.

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**APPENDIX H: MEMO TO MOE, DATED FEBRUARY 16<sup>TH</sup>, 2007**



Ainley & Associates Limited  
550 Welham Road, Barrie, Ontario L4N 8Z7  
Tel: (705) 726-3371 • Fax: (705) 726-4391  
E-mail: barrie@ainleygroup.com

February 16, 2007

File #299252

Environmental Assessment and Approvals Branch  
Ministry of the Environment  
2 St. Clair Avenue, Floor 12A  
Toronto, Ontario  
M4V 1L5

Att: **Manager, Class Environmental Assessments and Declarations Section**

Re: **Town of Innisfil, 7<sup>th</sup> Line Storm Drainage Outlet  
Schedule 'B' Municipal Class Environmental Assessment  
Notice of Completion**

Dear Sir or Madam:

This letter is to inform you that the above referenced project has been completed in accordance with the Municipal Class Environmental Assessment planning process as outlined in the Municipal Engineers Association's document dated June 2000.

Please find enclosed a copy of the Notice of Completion for your records. The 30 day review period ended on February 2<sup>nd</sup>, 2007 with no requests for a Part II Order.

**Additional Information:**

**Proponent:** Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1

**Contact:** Mr. Grant Shellswell  
Tel: 705-436-3710  
Fax: 705-436-7120  
Email: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)

We trust that this is satisfactory; however, should you have any questions or concerns, please do not hesitate to contact the undersigned.

Yours truly,  
**AINLEY & ASSOCIATES LIMITED**

A handwritten signature in black ink, appearing to read "J. A. Mullan".

J. A. Mullan, P.Eng.  
President & CEO

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Encl.

cc: G. Shellswell – Town of Innisfil

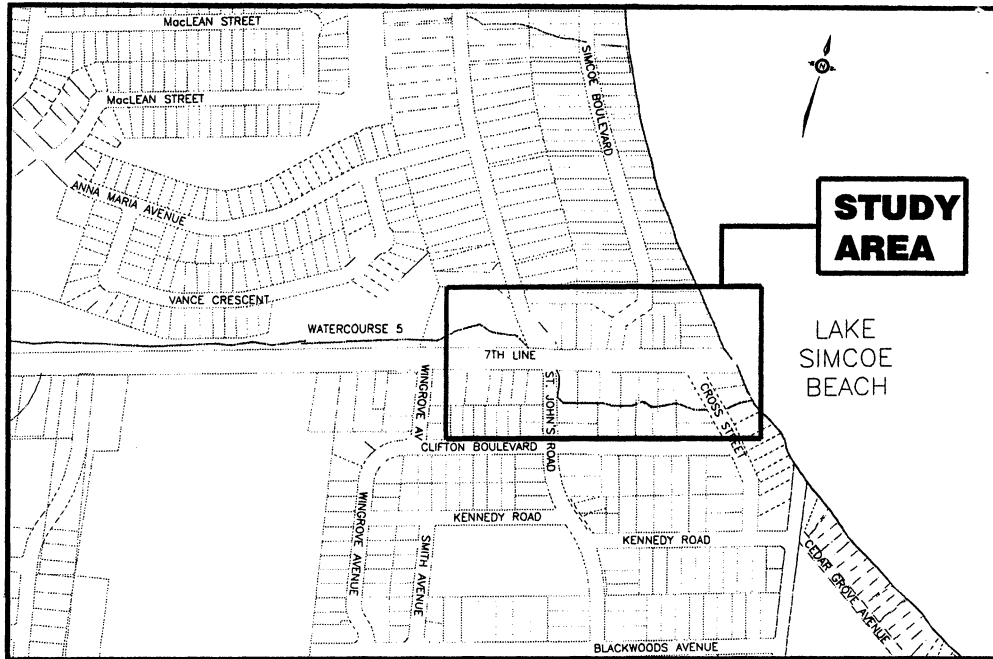
*Creating Quality Solutions Together*



**Town of Innisfil  
Class Environmental Assessment  
7<sup>th</sup> Line Storm Drainage Outlet**

**NOTICE OF COMPLETION**

At a Public Information Centre held on January 10<sup>th</sup>, 2006, various alternatives for improving the storm drainage capacity of Watercourse 5, from the intersection of the 7<sup>th</sup> Line and St. John's Road to the Lake were presented and discussed.



Subsequent to comments received at the Public Information Centre, The Town of Innisfil proceeded to consider an additional alternative of providing stormwater detention upstream of the Alcona Secondary Plan Area. As a result, the Town of Innisfil has now determined that the Preferred Solution for improving the storm drainage capacity of Watercourse 5, within the section illustrated in the Study Area above, is to initially increase the conveyance capacity of the existing bridge structure at Cross Street as well as provide future consideration for upstream stormwater detention in conjunction with the completion of a Master Drainage Plan for a future expanded Alcona area.

This municipal servicing project has been planned under Schedule 'B' of the Municipal Class Environmental Assessment. As such, a Project File has been prepared and is being placed on public record for review between the hours of 8:30 a.m. and 4:30 p.m., Monday through Friday, at the following location:

**Town of Innisfil Administration Office  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1  
Tel: (705) 436-3710**

Please provide any written comments to Mr. Grant Shellswell, of the Town of Innisfil, within 30 calendar days from the issue date of this Notice.

If concerns regarding this project cannot be resolved, a person or party may request that the Minister of the Environment make an order for the project to comply with Part II of the Environmental Assessment Act, which addresses individual environmental assessments. Requests for a Part II Order must be received by the Minister within 30 calendar days from the issue date of this Notice (by Friday February 2<sup>nd</sup>, 2007), at the address below. A duplicate copy of the request must also be forwarded to Mr. Grant Shellswell.

**Mr. Grant Shellswell  
Engineering Division  
Town of Innisfil  
2147 Innisfil Beach Road  
Innisfil, ON L9S 1A1  
Tel: 705-436-3710  
Fax: 705-436-7120  
E-mail: [gshellswell@innisfil.ca](mailto:gshellswell@innisfil.ca)**

**Minister of the Environment  
12th Floor, 135 St. Clair Avenue W.  
Toronto, Ontario  
M4V 1P5**

This notice issued on January 3<sup>rd</sup>, 2007.