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THE CORPORATION OF THE CITY OF BARRIE
Engineering Department
"Committed to Total Service Excellence"

P.O. BOX 400
BARRIE, ONTARIO
L4M 4T5

October 10, 2016

File: D03-SO2

To All Area Residents / Business Owners / Tenants / Agencies:

**Re: Sophia Creek Watershed Master Drainage Plan Update and
Mulcaster Drainage Area Master Drainage Plan
Municipal Class Environmental Assessment Phases 1 and 2
Public Information Centre**

The Corporation of the City of Barrie is undertaking a Municipal Class Environmental Assessment (Class EA) to identify and recommend solutions to municipal drainage issues in the Sophia Creek Watershed and the Mulcaster Drainage Area. Please note that the study does not address drainage issues on private lands. The attached Figure 1 shows the study area. It is suggested that reference to the Class EA report and support documents will assist with understanding the problems and alternative solutions being presented in this study. This letter is to advise you of the progress that has been made on this study and the upcoming activities.

This study is following Phases 1 and 2 of the Schedule "B" Municipal Class EA process (October, 2000, as amended in 2007, 2011 and 2015). The Corporation has retained the consulting firm C.C. Tatham & Associates Ltd. to develop and evaluate various alternative solutions and to document the decision making process in a Class EA Report.

A Public Information Centre (PIC) is scheduled for **Wednesday, October 26, 2016, 4:00pm to 7:00pm, in Huronia Boardrooms A and B - 2nd Floor City Hall**. The public is invited to attend the PIC to review and provide comments on the proposed alternative solutions. Comments and responses received from the PIC will be considered in the development of the preferred design alternative solution. C.C. Tatham and City staff will be available to discuss issues and concern with members of the public. The following alternatives will be presented at the PIC.

This study has identified a number of areas within the Sophia Creek Watershed and Mulcaster Drainage Area that require implementation of drainage improvements to the minor drainage system to comply with current City standards. Implementation of these minor improvements will typically occur in consideration of road and existing drainage infrastructure renewal needs. Please refer to section 1.5.1 of the Class EA Report for further clarification on local storm sewer design requirements.

Major drainage improvements may consist of flow reduction, conveyance improvements or a consolidation of both to assist in the mitigation of flooding, accommodating climate change and improving infrastructure that is not in compliance with current City standards.

The following alternatives vary in their effectiveness and associated impacts to physical, social, economic and cultural environments. The preferred alternative will likely be a combination of the alternatives listed below to achieve the necessary flood mitigation objectives. Please refer to the comment sheet and the Draft Class EA Report for additional details associated with each design alternative solution.

This study will encourage private land owners to infiltrate runoff from building roof and driveway areas on their residential lots with rain gardens, rain barrels and infiltration trenches to promote local recharge and reduce runoff into the storm system assisting in flood control for the community.

The study has also identified a number of areas within the watershed that require improvements to the existing local drainage system or where there is no existing local sewer system to comply with current City standards.

Existing Condition:

Alternative 1 – “ Do Nothing” – Allows for the consideration on not implementing any changes.

Reducing the Amount of Runoff and/or Improving Water Quality:

Alternative 2A – Retrofit/New Stormwater Management Facilities (SWMF) Retrofit and expand existing Ottaway/Currie Street Stormwater Management Facility and convert MacMorison Park into a Stormwater Management Facility.

Alternative 2B – Low Impact Development (LID's) Implement LID's where possible in Municipal Parks or road right of ways as part of road projects and specific facilities (underground infiltration facilities) in Ferris, Bernick, Cook and Archie Goodall parks.

Sophia Creek Watershed Upstream of Peel Street Drainage Area:

Alternative 3A - Culvert/Watercourse/Major Storm Sewer Improvements to Convey the 1:25 Year Storm.

Alternative 3B – Culvert/Watercourse/Major Storm Sewer Improvements to Convey the 1:50 (local and Collector Roads) or 1:100 Year Storm (Arterial Roads).

Sophia Creek Watershed Downstream of Peel Street and Mulcaster Drainage Area :

Alternative 4A – Construct a 1:100 year return period design storm trunk sewer on Sophia Street from Peel Street to Owen Street and Owen Street from Sophia Street to Kempenfelt Bay via Memorial Square including floodway route deficiencies through the downtown core.

Alternative 4B – Construct a 1:100 year return period design storm trunk sewer from Peel Street to Mulcaster Street including floodway route deficiencies through the downtown core.

A PDF version of the Draft ESR is available online on the City of Barrie web page (www.barrie.ca/eastudies) for “Class EA” and selecting “Sophia Watershed Master Drainage Plan Update and Mulcaster Drainage Area Master Drainage Plan Municipal Class EA Phase 1 & 2”.

A paper copy of the Draft Class EA Report is available for review at the following locations during regular business hours:

City of Barrie Clerk's Office City Hall, 1 st Floor 70 Collier Street Barrie, ON L4M 4T5	City of Barrie Engineering City Hall, 6 th Floor 70 Collier Street Barrie, ON L4M 4T5	Barrie Public Library Downtown Information Desk 60 Worsley Street Barrie, ON L4M 1L6	Barrie Public Library Painswick Branch Information Desk 48 Dean Avenue Barrie, ON L4N 0C2
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Following the completion of the PIC, and in consideration of all concerns raised through review agency and public comment, the preferred alternative design solution will be identified and appropriately documented in the Class EA Report. The Class EA Report and accompanying recommendations will then be presented to General Committee for endorsement. Those individuals and parties that requested to be kept informed of the Class EA process will be notified of the date that Council may approve the preferred alternative design solution so that deputations to Council can be made.

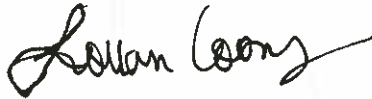
A comment sheet has been included with this letter to allow the public and review agencies the opportunity to provide input/comments regarding this study. Please return comment sheets by **October 26, 2016**.

Sophia Creek Watershed and Mulcaster Drainage Area Municipal Class EA Phase 1 & 2

October 10, 2016

If you have any questions and/or concerns, please feel free to contact Mr. Lorrان Cooney at (705) 726-4242 or e-mail Lorrان.Cooney@barrie.ca

Yours truly,



Lorrان Cooney, C.E.T.
Senior Infrastructure Planning Technologist

LC/lh



Figure 1

Map of Study Area

