SOPHIA CREEK WATERSHED AND MULCASTER DRAINAGE AREA
MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT – PHASES 1 and 2

Public Information Centre
Wednesday, October 26, 2016
4:00 p.m. to 7:00 p.m.
Huronia Boardroom A and B – 2nd Floor City Hall

COMMENT SHEET

Personal information on this form is collected under the authority of the Environmental Assessment Act, Chap. E18, Section 7, and will be used in the development of a Municipal Class Environmental Assessment. Questions about this collection should be directed to the Director of Engineering, P.O. Box 400, 70 Collier Street, Barrie, Ontario, L4M 4T5, (705) 726-4242.

Please print all responses

NAME OF RESPONDENT:

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

ADDRESS (Including Postal Code & Telephone Number):

Street Address: **Unit/Apt:**

Postal Code: **Telephone Number:**

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

> "*Identify drainage deficiencies and recommend solutions to improve the Sophia Creek Watershed and Mulcaster Drainage Area storm drainage systems in consideration of impacts to the social, physical, cultural and economic environments."*

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 Creek Watershed Master Drainage Plan Update and Mulcaster Drainage Area Master Drainage Plan Municipal Class EA Phase 1 & 2". A paper copy of the Draft ESR is available for review at the following locations during regular business hours:

City of Barrie Clerk's Office City Hall, 1st Floor 70 Collier Street Barrie, ON L4M 4T5	City of Barrie Engineering City Hall, 6th 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

Please list below any specific drainage concerns other than those located on private property you are aware of within the Sophia Creek watershed or Mulcaster Drainage Area:

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

Please select which of the following alternatives you feel best addresses the drainage problems and generates the greatest positive impacts while producing the least negative impacts on the physical, natural, social, cultural and economic environments. Please rank by inserting either a "1" (most preferred) or a "2" (least preferred) in each box.

Please note that each of the alternatives listed below on their own will **not** resolve all the drainage issues within the Sophia Creek Watershed and the Mulcaster Drainage Area. The preferred alternative will be developed after the PIC in consideration of the feedback received on these comment sheets and as part of the PIC process.

Existing Condition

☐ **Alternative 1 – " Do Nothing"**
The "Do Nothing" alternative allows for the consideration of not implementing any changes to the existing drainage infrastructure within the study area. This alternative is being considered to provide a benchmark to gauge the physical, natural, social, cultural, and economic implications of the other alternatives.

Reducing the Amount of Runoff and/or Improving Water Quality

☐ **Alternative 2A – Retrofit/New Storm Water 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**
Low Impact Development or LID is an innovative approach that mimics the natural movement of water in order to manage stormwater (rainwater and urban runoff) close to where it falls. LID's infiltrate, filter, store, evaporate, and detain stormwater within a municipal right-of-way. These techniques are based on the principle of using stormwater as a resource. The specific facilities (underground infiltration facilities) being recommended are in Ferris, Bernick, Cook and Archie Goodall parks as well as road right of ways.

Sophia Watershed Upstream of Peel Street Drainage Area:

☐ **Alternative 3A - Culvert / Watercourse / Major Storm Sewer Improvements to Convey the 1:25 Year Storm**
Culvert, watercourse and major storm sewer improvements to reduce flooding within the Sophia Watershed upstream of Peel Street up to and including the 1:25 year return period design storm.

☐ **Alternative 3B – Culvert / Watercourse / Major Storm Sewer Improvements to Convey the 1:50 or 1:100 Year Storm**
Culvert, watercourse and major storm sewer improvements to reduce flooding within the Sophia Watershed upstream of Peel Street up to and including either the 1:50 (for local and collector roads) or the 1:100 (for arterial roads) year return period design storm in accordance with the City's current design flood frequency design criteria.

Sophia Watershed Downstream of Peel Street and Mulcaster Drainage Area

☐ **Alternative 4A – Owen Street Trunk Storm Sewer and Other Major Drainage Improvements**
Construct a 1:100 year return period design storm trunk sewer on Sophia Street from Peel Street to Owen Streets and Owen Street from Sophia Street to Kempenfelt Bay via Memorial Square including floodway route conveyance improvements through the downtown core. This sewer can be constructed using conventional construction practices within the municipal right-of-way. Also, construct a new storm sewer along Sophia Street from Bayfield to Toronto streets to replace the existing storm sewer currently located under buildings.

☐ **Alternative 4B – Mulcaster Street Trunk Storm Sewer and Other Major Drainage Improvements**
Construct a 1:100 year return period design storm trunk sewer from Peel Street to Mulcaster Street including floodway route conveyance improvements through the downtown core. The sewer will require specialized tunnel construction procedures and acquisition of easements from private landowners for the sewer route. Also, construct a new storm sewer along Sophia Street from Bayfield to Toronto streets to replace the existing storm sewer currently located under buildings

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

Sophia Watershed Downstream of Peel Street and Mulcaster Drainage Area (continued …)

☐ **Alternative 4C – Clapperton Street Trunk Storm Sewer and Other Major Drainage Improvements**
Construct a 1:100 year return period design storm trunk sewer on Sophia Street from Peel Street to Clapperton Street, on Clapperton Street from Sophia Street to Bayfield Street, and on Bayfield Street from Clapperton Street to Kempenfelt Bay combined with a by-pass trunk storm sewer on Dunlop Street from Bayfield Street to Maple Street and on Maple Street from Dunlop Street to Kempenfelt Bay including floodway route conveyance improvements through the downtown core. This sewer can be constructed using conventional construction practices within the municipal right-of-way. Also, construct a new storm sewer along Sophia Street from Bayfield to Toronto streets to replace the existing storm sewer currently located under buildings.

☐ **Alternative 4D – Dunlop Street Trunk Storm Sewer and Other Major Drainage Improvements**
Construct a 1:100 year return period design storm trunk sewer on Sophia Street from Peel Street to Owen Street, on Owen Street from Sophia Street to Dunlop Street, on Dunlop Street from Owen Street to Mulcaster Street and on Mulcaster Street from Dunlop to Kempenfelt Bay including floodway route conveyance improvements through the downtown core. This sewer can be constructed using conventional construction practices within the municipal right-of-way. Also, construct a new storm sewer along Sophia Street from Bayfield to Toronto streets to replace the existing storm sewer currently located under buildings.

Please list below any concerns or comments you have related to any of the alternative solutions:

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

Are you satisfied with the detail of the information presented herein, at the Public Information Centre, and provided on the City website (www.barrie.ca\eastudies)?

☐	☐	☐	☐	☐
Poor (Much Improvement Required)	**Marginal** (Some Improvement Required)	**Good**	**Very Good**	**Excellent**

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

Do you wish to continue to be informed of the staff recommendations for the Preferred Alternative Solution that will be presented to General Committee?

☐ Yes ☐ No

Signature:_____ Date: _____

Please submit this comment sheet by **Wednesday, November 09, 2016** to:

Mr. Lorran Cooney, C.E.T. City of Barrie Engineering Department 70 Collier Street, P.O. Box 400 Barrie, ON L4M 4T5	Tel: (705) 726-4242 Fax: (705) 739-4243 E-mail: Lorran.Cooney@barrie.ca

Thank you for your comments