

**Sophia Creek Watershed & Mulcaster Drainage Area  
Municipal Class Environmental Assessment Phases 1 & 2  
NOTICE OF STUDY COMPLETION**

The Corporation of the City of Barrie has completed a Class Environmental Assessment to determine the Preferred Alternative for drainage improvements in the Sophia Creek Watershed and Mulcaster Drainage area as recommended in the Sophia Creek Watershed & Mulcaster Drainage Area Municipal Class Environmental Assessment Master Drainage Plan.

The Preferred Alternative includes peak flow control reductions through stormwater management facilities and Low Impact Development (LID) opportunities, as well as conveyance improvements to current City drainage policies and guidelines. The recommended improvements are summarized as follows:

General Improvements

- a) Local minor drainage system upgrades to current City design criteria.
- b) Owen Street flow diversion.
- c) Construction of new storm sewer (where absent/required).

Flow Reduction

- a) Retrofit and expand existing storm pond facility located at Ottawa Avenue/Currie Street.
- b) Convert existing MacMorrison Park into a new stormwater management detention facility and passive park.
- c) Construct LIDs in College Heights, Archie Goodall, Steel Street, HG Robertson and Ferris Parks.
- d) Implement LIDs as part of road reconstruction projects where practical.

Culvert Storm Conveyance Capacity Improvements (Road Design Flood Frequency 50 Year)

- a) Howard Crescent
- b) Lay Street
- c) Ottawa Avenue
- d) Rose Street
- e) Laurie Crescent
- f) Bothwell Crescent
- g) Parkdale Crescent
- h) Davidson/ Gunn Street
- i) Grove Street A (approximately 170 metres west of Lay Street)
- j) Grove Street B (approximately 65 metres east of St. Vincent Street)
- k) Grove Street C (approximately 80 metres west of Bothwell Crescent)
- l) St. Vincent Street
- m) Berczy Street
- n) Wellington Street

Channel Storm Conveyance Capacity Improvements (Design Flood Frequency 50 Year)

- a) Howard Crescent to Lay Street
- b) Downstream of Lay Street 50 metres
- c) Upstream/Downstream of Grove Street (B) 50 metres
- d) Ottawa Ave to Laurie Crescent
- e) Grove Street to Parkdale Crescent

Channel Storm Conveyance Capacity Improvements (Design Flood Frequency 100 Year)

- a) Berczy to Queen Street

Trunk Storm Sewer Conveyance Capacity Improvements (Combined Design Flood Frequency up to 100 year)

- a) Sophia Street Trunk Storm Sewer – Peel Street to Clapperton Street
- b) Owen Street – Sophia Street to Kempenfelt Bay via Memorial Square
- c) Clapperton Street – Sophia Street to Dunlop Street

The Preferred Alternative allows for implementation of the stormwater management facilities first to reduce peak flow downstream followed by the construction of flow conveyance structures to mitigate flooding. The details of the Preferred Alternative and property requirements are contained in the Environmental Study Report (ESR).

A PDF version of the ESR is available on the City of Barrie web page at [www.barrie.ca/eastudies](http://www.barrie.ca/eastudies) then scrolling down to the Sophia Creek Watershed & Mulcaster Drainage Area MDP EA Update. A paper copy of the ESR is available for review at the following locations during regular business hours:

City of Barrie  
Legislative & Court Services  
City Hall, 1<sup>st</sup> Floor  
70 Collier Street

City of Barrie  
Engineering  
City Hall, 6<sup>th</sup> Floor  
70 Collier Street

Barrie Public Library  
Downtown Branch  
Information Desk  
60 Worsley Street

Barrie Public Library  
Painswick Branch  
Information Desk  
48 Dean Avenue

The above project has been completed in accordance with Schedule "B" of the Municipal Class Environmental Assessment process. Public comments have been received and considered in the development of the Preferred Alternative. The City of Barrie intends to proceed with the implementation of each of the recommended drainage improvements through a multi-year program. The recommended drainage improvements (flow reduction and flow conveyance) will be prioritized and evaluated for inclusion in each annual capital budget process.

If you have concerns with the Preferred Alternative recommended in the ESR, please contact: Mr. Lorrان Cooney, Senior Infrastructure Planning Technologist at 70 Collier Street 6<sup>th</sup> Floor, Barrie, ON, L4M 4T5, by telephone at (705) 739-4220 extension 4514, by fax at (705) 739-4247, or by email at [Lorran.Cooney@Barrie.ca](mailto:Lorran.Cooney@Barrie.ca).

If concerns are raised which cannot be resolved in discussion with the Corporation of the City of Barrie, the Minister of the Environment and Climate Change may be requested, subsequent to the filing of a Notice of Completion by the City of Barrie, to 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. A Part II Order must be filed within thirty (30) calendar days of the City of Barrie filing a Notice of Completion and must be done so, in writing, to the Minister of the Environment and Climate Change, Honourable Chris Ballard at 77 Wellesley Street West, Ferguson Block 11<sup>th</sup> floor, Toronto, ON, M7A 2T5.

Wendy Cooke  
Acting City Clerk

Robert Sutton, P. Eng.  
Director of Engineering

This Notice issued November 30<sup>th</sup> and December 7<sup>th</sup>, 2017.