

Section IV – Ontario Regulation 166/06, As Amended

TO: Chair and Members of the Executive Committee
Meeting #10/19, January 10, 2020

FROM: Sameer Dhalla, Director, Development and Engineering Services

RE: **APPLICATIONS FOR PERMITS PURSUANT TO ONTARIO REGULATION 166/06, AS AMENDED**
Development, Interference with Wetlands and Alterations to Shorelines and Watercourses

KEY ISSUE

Pursuant to Ontario Regulation 166/06, as amended, written permission from the Authority is required for:

- a) straightening, changing, diverting or interfering in any way with the existing channel of a river, creek, stream or watercourse, or for changing or interfering in any way with a wetland;
- b) development, if in the opinion of the Authority, the control of flooding, erosion, dynamic beaches or pollution or the conservation of land may be affected by the development.

A permit may be refused through a Hearing Process, if in the opinion of the Authority, the control of flooding, erosion, dynamic beaches, pollution or the conservation of land is affected.

RECOMMENDATION

THAT permits be granted in accordance with Ontario Regulation 166/06, as amended, for the applications which are listed below:

MAJOR PERMIT APPLICATIONS 10.1 - 10.6 – REGULAR – FOR APPROVAL

Applications that involved a more complex suite of technical studies to demonstrate consistency with policies; applications that cover a significant geographic area, extensive modifications to the landscape, major infrastructure projects, applications requiring site specific conditions and permissions that extend beyond two years.

CITY OF BRAMPTON

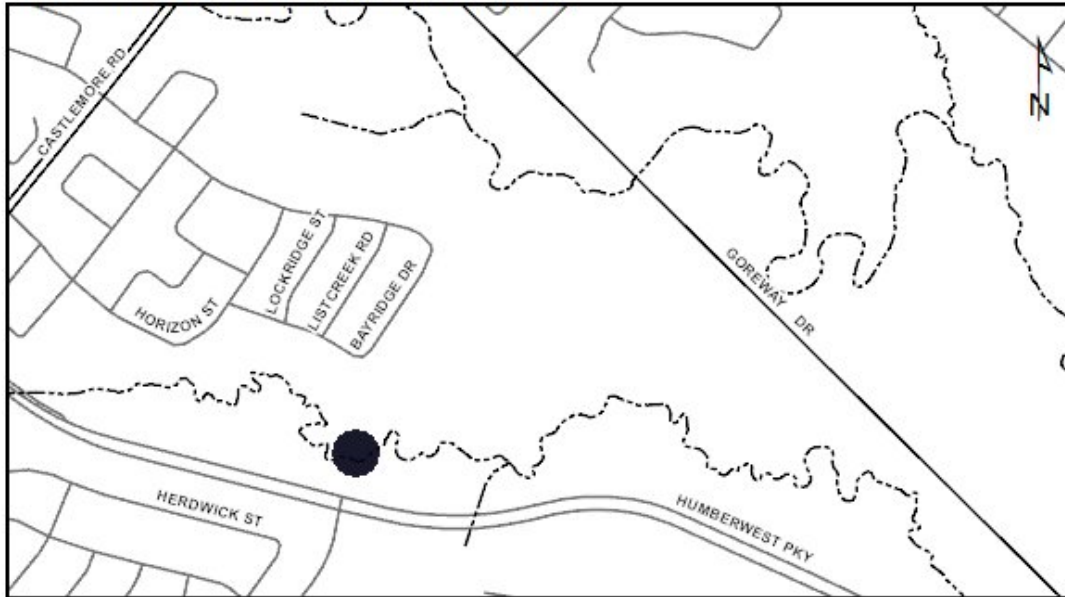
10.1 CITY OF BRAMPTON

To site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere between Humberwest Parkway and Goreway Drive as part of the Cottrelle Boulevard extension, in the City of Brampton, Humber River Watershed, as located on property owned by and being acquired by the City of Brampton. The purpose is to construct Cottrelle Boulevard between Humberwest Parkway and Goreway Drive. This work has been divided into 4 separate permit applications (CFN 43232, 43233, 43234, 43235). This application (CFN 43232) covers the pre-loading (filling) requirements within the regulated area at Tributary A, located east of Humberwest Parkway. The Redside Dace construction timing window will be

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applied to this work, unless otherwise specified in writing by the Ministry of the Environment, Conservation and Parks.

MAP LOCATION: Cottrelle Boulevard Extension (Tributary A)



The permit will be issued for the period of January 10, 2020 to January 9, 2022 in accordance with the following documents and plans which form part of this permit:

- **Sheet P1-ST1 - Cottrelle Boulevard, Construction Access, Staging; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-R1 - Cottrelle Boulevard, STA. 6+014 to STA. 6+340, Removals; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-NC1 - Cottrelle Boulevard, STA. 6+014 to STA. 6+080, 140m West of Humberwest Parkway to 100m East, Phase 1 Pre-Grading; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-NC2 - Cottrelle Boulevard, STA. 6+080 to STA. 6+340, 100m East to 360m East Humberwest Parkway, Phase 1 Pre-Grading; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-T1 - Cottrelle Boulevard, Typical Cross Sections, Phase 1 Typical Details; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-T2 - Cottrelle Boulevard, Outlet Details, Phase 1 Typical Details; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-ESC1 - Cottrelle Boulevard, STA. 6+014 to STA. 6+250, Erosion and Sediment Control Phase 1: Pregrading; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-ESC5 - Cottrelle Boulevard, Erosion and Sediment Control Phase 1: Pregrading; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-IMP1 - Cottrelle Boulevard, Instrumentation Plan Phase 1: Pregrading; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**
- **Sheet P1-T02 - Cottrelle Boulevard, STA. 6+068 West Humber River Tributary A, Temporary Retaining Walls Layout & Design Phase 1; prepared by SNC Lavalin; dated March 2019; received April 22, 2019;**

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- **Sheet P1-T04 - Cottrelle Boulevard, STA. 6+068, 6+638 West Humber River Tributary A & B, Temporary Retaining Walls Layout & Details Phase 1; prepared by SNC Lavalin; dated March 2019; received April 22, 2019.**

RATIONALE

The application was reviewed by staff on the basis of the following information:

Proposal:

Cottrelle Boulevard currently terminates at Humberwest Parkway from the west and at Goreway Drive from the east. The purpose of this project is to construct a new segment of Cottrelle Boulevard between Humberwest Parkway and Goreway Drive (approximately 700 m). The new road will be constructed as a 4-lane urban cross section with a 30 m right-of-way including dedicated turning lanes, a sidewalk and a multi-use path.

Work will be conducted in 2 Phases. This application covers Phase 1 which involves pre-loading (filling) within the regulated area located at Tributary A, east of Humberwest Parkway. Pre-loading will take approximately 2 years with the height of the fill being placed above the final road elevations to allow for settlement of material, prior to final grading for the ultimate road in Phase 2. The purpose of pre-loading is to limit the settlement of the road after paving. It is expected that the site will be raised by approximately 5 m in this location. A temporary soil retaining system will be constructed in Phase 1 on both the east and west sides of the watercourse and will be removed in Phase 2 where the permanent bridge structure will be built.

A portion of the storm sewer system will be installed in this phase, but will not be operational as the catch basins will be too high to receive runoff and will need to be constructed at the future ultimate road elevations. During this interim condition stormwater will be redirected to a temporary drainage system that will run along ditches to temporary settling basins.

This work was previously reviewed through the Municipal Class Environmental Assessment process.

Control of Flooding:

It is expected that there will be a maximum increase of 0.91 m of water at Tributary A, however, the impacts will be confined to the valley system which is owned by the City of Brampton. No impacts to private properties from the proposed increase are expected. Under ultimate road conditions, Cottrelle Boulevard will be able to convey the Regional flows without overtopping.

Pollution:

Standard erosion and sediment control measures, including filter bags, check dams, coffer dams, double row silt fencing, temporary sediment traps and erosion control blankets will be implemented prior to construction and maintained for the duration of construction through Phase 1.

Dynamic Beaches:

Not applicable

Erosion:

No geotechnical/slope stability issues are anticipated for the proposal.

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Conservation of Land:

The Redside Dace construction timing window of July 1 to September 15 will be applied to work in this area, unless otherwise specified in writing by the Ministry of the Environment, Conservation and Parks.

Plantings

Vegetation removals will be addressed through restoration plans and compensation requirements as part of the final road construction in Phase 2 (CFNs 43234, 43235).

Policy Guidelines:

This proposal complies with Section 8.9 Infrastructure Policies of The Living City Policies for Planning and Development in the Watersheds of the Toronto and Region Conservation Authority.

CFN: 43232 - Application #: 0923/09/BRAM

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Date: December 19, 2019