

# Item 10.1

## Section IV – Ontario Regulation 166/06, As Amended

**TO:** Chair and Members of the Executive Committee  
January 15, 2021 Meeting

**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

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### 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 - 10.2 – REGULAR – FOR APPROVAL**

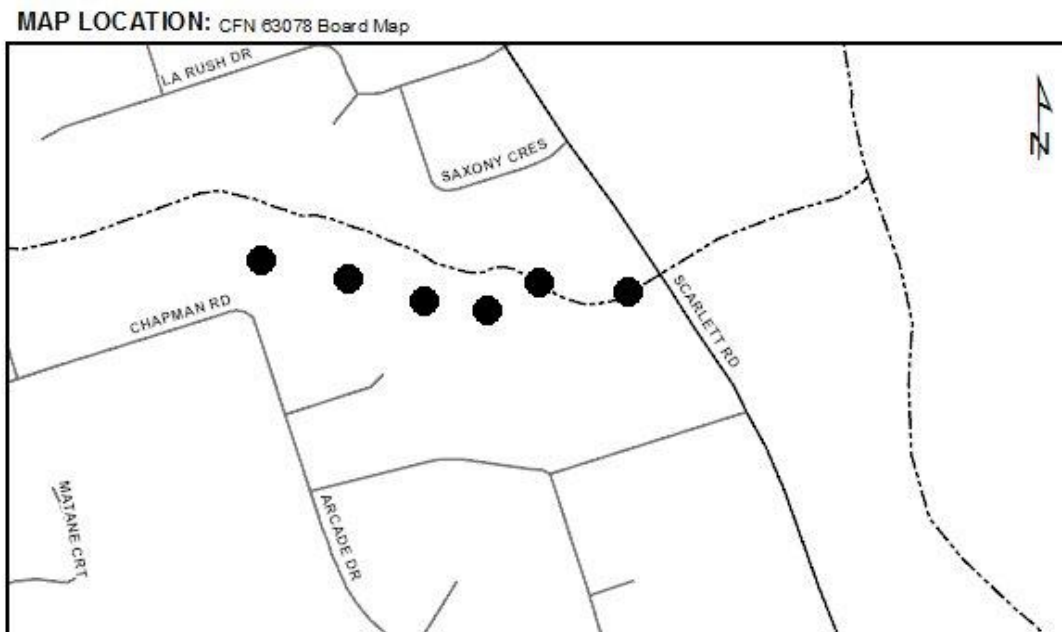
Applications that involved a more complex suite of technical studies to demonstrate consistency with policies; applications that cover a significant geographic area, extensive modifications to the landscape, major infrastructure projects, applications requiring site specific conditions and permissions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

### **CITY OF TORONTO (ETOBICOKE YORK COMMUNITY COUNCIL AREA)**

#### **10.1 CITY OF TORONTO**

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material originating on the site or elsewhere and alter a watercourse at 60 Chapman Road, west of Scarlett Road, in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed as located on property owned by the City of Toronto. The purpose is to reconstruct an approximately 120 metre stretch of the Humber Creek to provide sanitary sewer protection at 60 Chapman Road, west of Scarlett Road, in the City of Toronto. In/near water works will occur as part of channel reconstruction.

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The permit will be issued for the period of January 15, 2021 to January 14, 2023 in accordance with the following documents and plans which form part of this permit:

- **Drawing Number HUC-SR-2020-1-01; Sheet 01; Access and Staging Plan; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-02; Sheet 02; Plan & Profile; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-03; Sheet 03; Cross Sections 1; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-04; Sheet 04; Cross Sections 2; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-05; Sheet 05; Details; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-06; Sheet 06; Outfall; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-07; Sheet 07; Erosion & Sediment Controls; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**
- **Drawing Number HUC-SR-2020-1-08; Sheet 08; Erosion & Sediment Controls Details; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020;**

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- **Drawing Number HUC-SR-2020-1-09; Sheet 09; Planting Plan; prepared by Waters Edge on behalf of the City of Toronto; dated October 28, 2020; received by TRCA on October 28, 2020.**

### **RATIONALE**

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

#### Proposal:

The City of Toronto is proposing to reconstruct an approximately 120 metre stretch of the Humber Creek at 60 Chapman Road, west of Scarlett Road, in the City of Toronto. The channel restoration works are required in order to protect exposed Toronto Water infrastructure due to accelerated weathering of the shale bedrock channel. A sanitary sewer siphon, once fully encased in concrete, is now exposed due to ongoing erosion which has exposed the existing iron pipe to both creek flows and open air.

The proposed construction work involves the reconstruction of an approximately 120 metre stretch of the Humber Creek channel through the placement of new armourstone and raising of channel grades, the construction of a temporary access route, the removal and disposal of an existing headwall and a 900 mm diameter outfall pipe, the removal and disposal of existing debris in and near the Scarlett Road culvert, the filling and abandonment of an existing maintenance hole to the invert of the new pipe, the construction of a new 900 mm diameter outfall pipe and armourstone headwall, the concrete encasement of an exposed sanitary siphon and the placement of riverstone.

Sequencing of the proposed works can be summarized as follows: 1. The installation of all erosion and sediment control measures, as well as tree protection measures. 2. The removal of existing vegetation within proposed works areas and the removal of all debris in and near the Scarlett Road culvert. 3. The removal and replacement of the existing outfall pipe and headwall. 4. The installation of all in-water isolation measures (i.e. cofferdams and pumps). 5. The relining of the Humber Creek channel through the placement of new armourstone and riverstone, as well as encasement of the exposed sanitary siphon. 6. Stabilization and restoration of all disturbed areas.

Access to the site will be gained utilizing an existing maintenance pathway off of Chapman Road. Flows within the creek will be bypassed during construction to allow for works to occur in the dry. The proposed works will help to protect Toronto Water infrastructure currently exposed and also help to provide channel stability. Construction is scheduled to begin in winter 2021.

#### Control of Flooding:

The proposed works are not anticipated to impact flooding, flood storage or conveyance of flood waters.

#### Pollution:

Erosion and sediment control measures (silt fence, coir logs, cofferdams and erosion control blankets) will be installed prior to construction and maintained for its duration. These measures are being implemented to prevent the release of construction generated sediment into Humber Creek. Erosion and sediment control measures have been provided in accordance with the Erosion and Sediment Control Guideline for Urban Construction (2019).

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Dynamic Beaches:

Not applicable.

Erosion:

No geotechnical/slope stability issues have been identified.

Conservation of Land:

Where impacts to local fish populations may occur during their spawning, nursery and migratory periods, construction timing windows should apply to in-water / near-water activities. The proponent/contractor should confirm applicability and dates with appropriate provincial and federal agencies.

*Plantings*

The proposed project will result in the removal of 88 trees. A total of 24 trees and 512 shrubs, all native and non-invasive, are proposed to be planted for site restoration. In addition, a cash-in-lieu payment in the amount of \$6,916.00 has been made to the City of Toronto RNFP group. All disturbed areas will be restored with sod and a native seed mix.

Policy Guidelines:

This proposal complies with Sections 8.8 and 8.9, the Interference with a Watercourse and the Infrastructure Policies of The Living City Policies for Planning and Development in the Watersheds of the Toronto and Region Conservation Authority.

**CFN: 63078 - Application #: 0378/20/TOR**

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**Date: November 25, 2020**