Item 10.1

Section IV – Ontario Regulation 166/06, As Amended

TO: Chair and Members of the Executive Committee
Meeting #4/20, June 12, 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

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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 - 10.3 – REGULAR – FOR APPROVAL

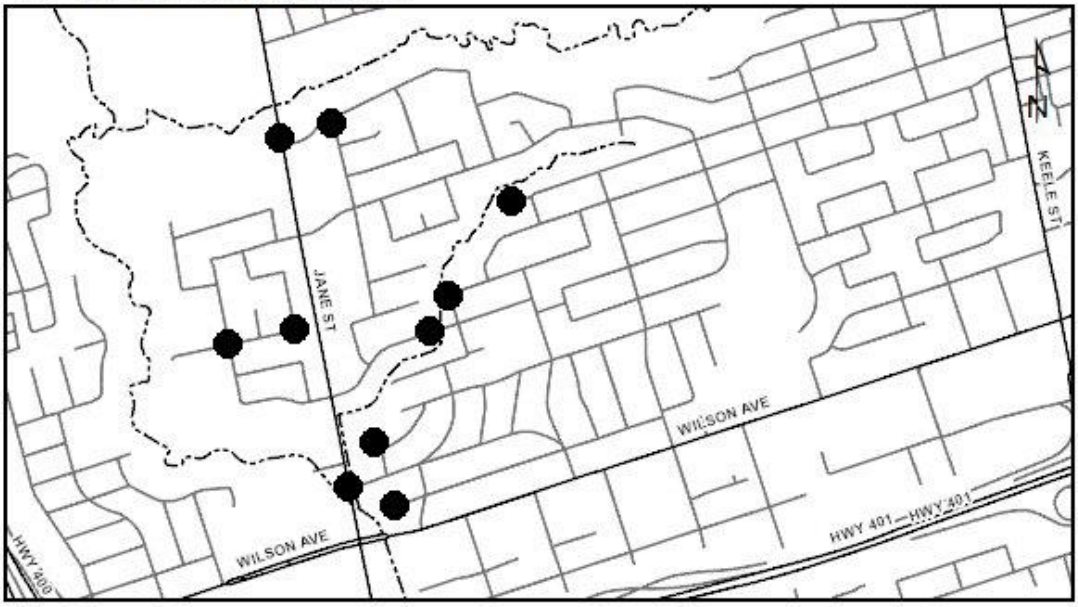
Applications that involved a more complex suite of technical studies to demonstrate consistency with policies; applications that cover a significant geographic area, extensive modifications to the landscape, major infrastructure projects, applications requiring site specific conditions and permissions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

CITY OF TORONTO (NORTH 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 on Jane Street, Troutbrooke Drive, Monclova Road, Chalkfarm Drive, Neames Crescent, William Cragg Drive, Dana Avenue, Heathrow Drive, Epsom Downs Drive, Forthbridge Crescent and Tavistock Road, north of Wilson Avenue, in the City of Toronto (North York and Etobicoke York Community Council Areas), Humber River Watershed as located on property owned by the City of Toronto. The purpose is to undertake storm and sanitary sewer system upgrades as part of the Basement Flooding Protection Program Area 15 works on Jane Street, Troutbrooke Drive, Monclova Road, Chalkfarm Drive, Neames Crescent, William Cragg Drive, Dana Avenue, Heathrow Drive, Epsom Downs Drive, Forthbridge Crescent and Tavistock Road, north of Wilson Avenue, in the City of Toronto. No in-water work is within the scope of this project.

MAP LOCATION: CFN 62209 Board Map



The permit will be issued for the period of June 12, 2020 to June 11, 2022 in accordance with the following documents and plans which form part of this permit:

- **Drawing Number 18-02296_T1; Sheet 1 of 37; Key Plan; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296_T2; Sheet 2 of 37; ESC Notes and Details; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 19-04392-001; Sheet 3 of 37; Jane Street (15-12), From Troutbrooke Drive to North of Troutbrooke Drive, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 17-03307-001; Sheet 4 of 37; Troutbrooke Drive (15-12), From Jane Street to West of Monclova Road, Storm Sewer Re-Construction; prepared by AECOM**

on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;

- **Drawing Number 17-03307-002; Sheet 5 of 37; Troutbrooke Drive (15-12), From West of Monclova Road to Monclova Road, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02284-002; Sheet 6 of 37; Monclova Road (15-12), From North of Austrey Crescent to Troutbrooke Drive, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02309-001; Sheet 7 of 37; Chalkfarm Drive (15-13), From Neames Crescent/Heavitree Drive to North of Neames Crescent/Heavitree Drive, Storm and Sanitary Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02285-001; Sheet 8 of 37; Neames Crescent (15-13), From Rabton Court to East of Rabton Court, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296-001; Sheet 9 of 37; Jane Street (15-11), From South of William Cragg Drive to William Cragg Drive, Storm and Sanitary Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296-002; Sheet 10 of 37; Jane Street (15-11), From North of William Cragg Drive to South of Heathrow Drive, Storm and Sanitary Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296-003; Sheet 11 of 37; Jane Street (15-11), From South of Heathrow Drive to North of Heathrow Drive, Storm and Sanitary Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 19-04381-001; Sheet 12 of 37; William Cragg Drive (15-10), From Jane Street to East of Dana Avenue, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 19-04379-002; Sheet 13 of 37; Dana Avenue (15-10), From North of Westcliffe Road to Dana Avenue, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02329-003; Sheet 14 of 37; Heathrow Drive (15-11), From East of Datchet Road to West of Chesham Drive, Storm Sewer and Watermain Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 19-04385-001; Sheet 15 of 37; Heathrow Drive (15-08), From West of Chesham Drive to East of Chesham Drive, Storm Sewer, Watermain Re-Construction and; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 17-03304-001; Sheet 16 of 37; Epsom Downs Drive (15-09), From West of Epic Lane Road to Epic Lane Road, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**

- **Drawing Number 19-04375-001; Sheet 17 of 37; Forthbridge Crescent (15-02), From Chesham Drive to Calvington Drive, Storm and Sanitary Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 17-03298-002; Sheet 18 of 37; Tavistock Road (15-01), From Tavistock Road to East of Dalsby Road, Storm Sewer Re-Construction; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296_D14; Sheet 22 of 37; Bioretention Design and Detail (1 of 2); prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296_D15; Sheet 23 of 37; Bioretention Design (2 of 2); prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
- **Drawing Number 18-02296_D16; Sheet 24 of 37; Tree Preservation Notes; prepared by AECOM on behalf of the City of Toronto; dated March 12, 2020; received by TRCA on April 27, 2020;**
  TRCA File CFN 62209 - Letter of Commitment; prepared by the City of Toronto; dated May 27, 2020; received by TRCA on May 28, 2020.

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

Proposal:
The City of Toronto is proposing to undertake storm and sanitary sewer system upgrades as part of the Basement Flooding Protection Program (BFPP) Area 15 works on Jane Street, Troutbrooke Drive, Monclova Road, Chalkfarm Drive, Neames Crescent, William Cragg Drive, Dana Avenue, Heathrow Drive, Epsom Downs Drive, Forthbridge Crescent and Tavistock Road, north of Wilson Avenue, in the City of Toronto.

In 2014, the City of Toronto completed a Schedule B Municipal Class Environmental Assessment (EA) which assessed solutions in remediating the chronic basement flooding and stormwater runoff quality management issues faced in the Jane Street and Sheppard Avenue West area as part of the BFPP Area 15 program. The findings of the completed study identified that the existing storm drainage system was a key contributing factor to basement flooding experienced within the study area. As a result, the City of Toronto identified several remediation measures to alleviate basement flooding within the study area. These measures include the use of in-line storage, the upsizing of storm and sanitary sewer pipes, the improvement of the conveyance capacity of the drainage system, increasing inlet capacity, the construction of new bio-retention units to improve water quality, reversing piped storm flow direction, the grouting of existing sewers and the abandonment of an existing outfall. Portions of the works proposed to alleviate basement flooding as part of the BFPP Area 15 program will occur within TRCA regulated area. Those works that are proposed to occur within TRCA regulated areas are detailed below.

The proposed works on Jane Street, near Troutbrooke Drive, include the removal and replacement of an existing 600 mm diameter storm sewer with a new 750 mm diameter storm sewer, the removal and replacement of two existing maintenance holes (MHs) with two new 1800 mm MHs, the construction of a new 1500 mm MH, the removal and replacement of

existing catch basin leads with new catch basin leads, the connection to existing storm sewer pipes, the connection to existing catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Jane Street, between William Cragg Drive and 2253 Jane Street, include the removal and replacement of an existing 300 mm diameter sanitary sewer with a new 2400 mm diameter sanitary sewer, the removal and replacement of existing 1050 mm and 900 mm storm sewers with a new 1800 mm wide by 900 mm high box culvert, the removal and replacement of existing catch basins and catch basin leads with new high inlet capacity catch basins and catch basin leads, the construction of a new 375 mm diameter pvc sanitary sewer, the removal and replacement of an existing 450 mm diameter storm sewer with a new 600 mm diameter storm sewer, the construction of a new 250 mm diameter sanitary sewer, the removal and replacement of an existing 250 mm diameter sanitary sewer with a new 2400 mm diameter sanitary sewer, the construction of a new 3000 mm by 2400 mm box MH with a 1200 mm diameter MH riser, the construction of a new 3000 mm by 4400 mm box MH with a 1200 mm diameter MH riser, the construction of a new 2400 mm diameter tee MH with a 1200 mm diameter riser, the construction of a new 2400 mm by 3800 mm box MH with a 1200 mm diameter MH riser, the removal and replacement of an existing MH with a new 3000 mm by 3800 mm box MH, the removal and replacement of an existing MH with a new 2400 mm by 3800 mm box MH, the removal and replacement of an existing MH with a new 1200 mm MH, the breaking into an existing sanitary sewer and installation of a new 1500 mm MH, the removal of an existing 300 mm concrete sanitary sewer, the construction of a new 1200 mm diameter MH, the removal and replacement of existing guard rail, the removal of existing MHs, the removal of existing catch basins and catch basin leads, the connection to existing storm sewer pipes, the connection to existing catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Troutbrooke Drive, between Jane Street and Monclova Road, include the removal and replacement of an existing 650 mm diameter storm sewer with a new 750 mm diameter storm sewer, the removal and replacement of an existing MH with a new 1800 mm diameter MH, the removal and replacement of two existing MHs with new 1500 mm diameter MHs, the installation of inlet controls in existing catch basins, the connection to existing storm sewer pipes, the construction of four new bioretention rain guardian bunkers, the connection to existing catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Monclova Road, between Troutbrooke Drive and Belmar Park, include the removal and replacement of an existing 375 mm diameter storm sewer with a new 450 mm diameter storm sewer, the removal and replacement of an existing MH with a new 1200 mm diameter MH, the connection to existing storm sewer pipes, the removal and replacement of existing catch basin leads with new catch basins and catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Chalkfarm Drive, near Heavitree Drive and Neames Crescent, include the removal and replacement of an existing MH with a new 1200 mm diameter MH, breaking into an existing 250 mm diameter sanitary sewer and constructing a new 1200 mm diameter MH, the construction of a new 250 mm diameter sanitary sewer, the removal and replacement of an existing 300 mm diameter storm sewer with a new 375 mm diameter sewer, the installation of inlet controls in existing catch basins, the connection to existing storm sewer pipes, the connection to existing catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Neames Crescent, between Rabton Court and 57 Neames Crescent, include the removal and replacement of an existing 450 mm diameter storm sewer with a new 300 mm diameter storm sewer, the removal and replacement of an existing MH with a new 1200 mm diameter MH, the removal of an existing catch basin and catch basin lead, the sealing of existing sanitary MH covers, the installation of an inlet control in an existing catch basin, the connection to existing storm sewer pipes, the connection to existing catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on William Cragg Drive, between Jane Street and 71 William Cragg Drive, include the removal and replacement of an existing 675 mm diameter storm sewer with a new 900 mm diameter storm sewer, the removal and replacement of an existing 350 mm diameter sanitary sewer with a new 375 mm diameter sanitary sewer, the removal and replacement of an existing 600 mm diameter storm sewer with a new 750 mm diameter storm sewer, the abandonment of an existing 375 mm diameter storm sewer, the construction of a new 375 mm diameter storm sewer, the construction of a new 1800 mm by 900 mm box culvert, the removal of an existing 900 mm by 525 mm combined storm pipe, the removal and replacement of an existing MH with a new 1800 mm by 3000 mm box MH, the construction of a new 1800 mm MH, the removal and replacement of two existing MH with new 1200 mm diameter MHs, the removal and replacement of existing catch basins and catch basin leads with new high capacity inlet catch basins and catch basin leads, the removal of an existing MH, the sealing of existing MH covers, the connection to existing storm sewer pipes, the connection to existing catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Dana Avenue, between 12 Dana Avenue and the end of the court, include the construction of a new 375 mm diameter storm sewer, the construction of a new 1200 mm diameter MH, the removal and replacement of existing catch basins and catch basin leads, the abandonment of an existing 250 mm diameter storm sewer, the abandonment of an existing MH, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Heathrow Drive, between 68 Heathrow Drive and Chesham Drive, include the removal and replacement of an existing 250 mm diameter storm sewer with a new 375 mm diameter storm sewer, the removal and replacement of an existing 375 mm diameter storm sewer with a new 675 mm diameter storm sewer, the removal of an existing 300 mm diameter storm sewer, the abandonment of an existing 150 mm diameter watermain, the

removal and replacement of an existing MH with a new 1200 mm diameter MH, the construction of a new 200 mm diameter pvc watermain, the construction of a new 3000 mm diameter MH, the removal of an existing MH, the removal and replacement of an existing fire hydrant and hydrant lead with a new fire hydrant and lead, the construction of a new 200 mm by 150 mm anchor tee and valve, the removal and replacement of existing catch basins and catch basin leads with new catch basins and catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Epsom Downs Drive, between 290 Epsom Downs Drive and 2195 Jane Street, include the construction of a new 750 mm diameter storm sewer, the construction of a new 1500 mm diameter MH, the removal and replacement of an existing MH with a new 1500 mm diameter MH, the abandonment of an existing 150 mm diameter watermain, the construction of a new 150 mm diameter watermain, the removal and replacement of existing catch basins and catch basin leads with new catch basins and catch basin leads, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Forthbridge Crescent, near 76 Forthbridge Crescent, include the removal and replacement of an existing 525 mm diameter storm sewer with a new 600 mm diameter storm sewer, the removal and replacement of an existing MH with a new 1200 mm diameter MH, the removal and replacement of existing catch basins and catch basin leads with new catch basins and catch basin leads, the connection to existing storm sewer pipes, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of roadway asphalt. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The proposed works on Tavistock Road, east of Dalsby Road, include the abandonment of an existing 250 mm diameter concrete storm sewer, the repair and replacement of any damaged curb and sidewalk, and the removal and replacement of an asphalt pathway. The method of construction for the proposed works is open cut. All access will be gained through the existing roadway.

The completion of the proposed works described above will help to remediate urban flooding within the Jane Street and Sheppard Avenue West area as part of BFPP Area 15 program. The proposed BFPP Area 15 construction works are proposed to begin in summer 2020.

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 (catch basin protection, silt soxx and silt fence) 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 Black Creek. Erosion and sediment control measures have been provided in accordance with the Greater Golden Horseshoe Area Conservation Authorities' Erosion and Sediment Control Guideline for Urban Construction (2006).

Dynamic Beaches:
Not applicable.

Erosion:
No geotechnical/slope stability issues have been identified.

Conservation of Land:
No in-water works are associated with this project.

Plantings
The proposed project will result in the removal of 11 trees. A cash in lieu payment in the amount of $19,822.00 will be made to the City of Toronto Urban Forestry Department and will be used to complete compensation works on public lands. All disturbed areas will be restored with sod.

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: 62209 - Application #: 1043/19/TOR
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Date: May 28, 2020