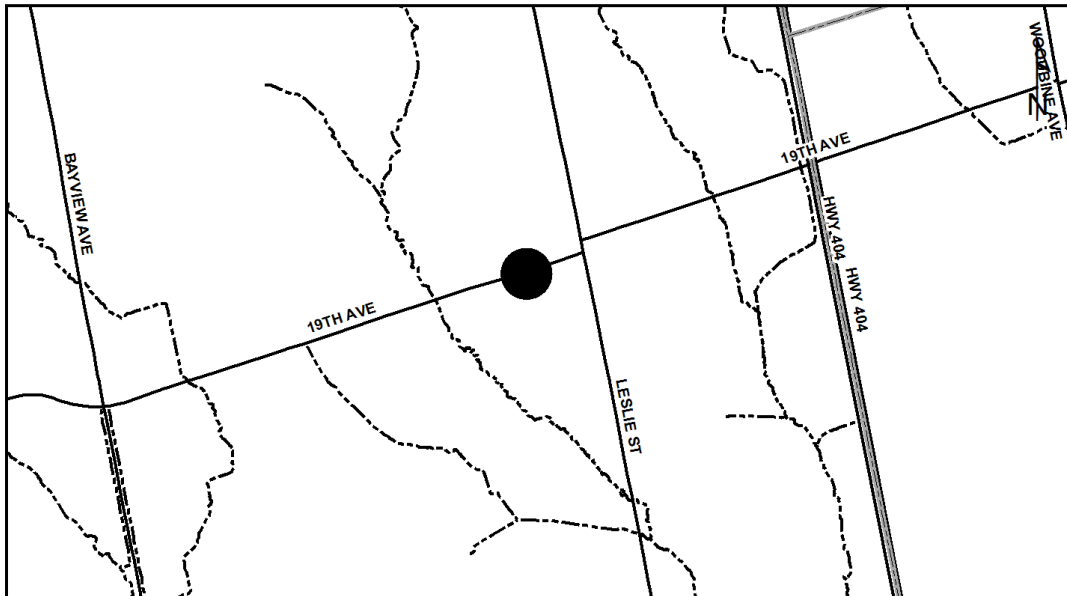


TOWN OF RICHMOND HILL

11.8 NORTH LESLIE WATERMAIN TRUSTEE INC.

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, interfere with a wetland and alter a watercourse on Lot 31, 32, Concession 2, (19th Avenue from Leslie Street to 350m west of Leslie Street), in the Town of Richmond Hill, Rouge River Watershed as located on the property owned by North Leslie Watermain Trustee Inc. The purpose is to undertake Phase 2 works of the North Leslie External Spine Servicing Network (ESSN) along 19th Avenue, consisting of the installation of a 300mm diameter PVC watermain along 19th Avenue from approximately 750 metres west of Leslie Street, extending approximately 400 metres westward within the existing York Region right-of-way. The proposed works includes open cut as well as trenchless technologies (HDD) to cross the Rouge River Tributary 2-M.

MAP LOCATION: 19th Avenue and Leslie Street, Town of Richmond Hill



The permit will be issued for the period of November 9, 2018 to November 8, 2020 in accordance with the following documents and plans which form part of this permit:

- **Drawing No. L-1, 19th Avenue Restoration Plan, prepared by MBTW Group, dated July 2017, revised September 24, 2018, received by TRCA October 4, 2018;**
- **Drawing No. L-2, Elgin Mills Road Restoration Plan, prepared by MBTW Group, dated July 2017, revised September 24, 2018, received by TRCA October 4, 2018;**
- **Drawing No. L-3, Planting Details, prepared by MBTW Group, dated July 2017, revised September 24, 2018, received by TRCA October 4, 2018;**
- **Drawing No. IND01, Sheet 02 of 51, North Leslie External Spine Services - Phase II Index, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;**
- **Drawing No. GN01, Sheet 03 of 51, North Leslie External Spine Services - Phase II General Notes, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;**

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- Drawing No. PP01, Sheet 04 of 51, North Leslie External Spine Services - Phase II Plan & Profile 19th Avenue STA. 4+980 to STA. 5+220, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. PP02, Sheet 05 of 51, North Leslie External Spine Services - Phase II Plan & Profile 19th Avenue STA. 5+220 to STA. 5+440, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. PP03, Sheet 06 of 51, North Leslie External Spine Services - Phase II Plan & Profile 19th Avenue STA. 5+440 to STA. 5+620, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. ESC01, Sheet 19 of 51, North Leslie External Spine Services - Phase II Erosion & Sedimentation Control Plans 19th Avenue STA. 4+980 to STA. 5+520, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. ESC08, Sheet 26 of 51, North Leslie External Spine Services - Phase II Erosion & Sedimentation Notes and Details, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. XS01, Sheet 35 of 51, North Leslie External Spine Services - Phase II 19th Avenue Cross Sections 1 to 6, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. DE01, Sheet 38 of 51, North Leslie External Spine Services - Phase II Details, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. DE03, Sheet 40 of 51, North Leslie External Spine Services - Phase II Details of Connection to YDSS and Access Shaft No. 6, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018.

RATIONALE

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

Proposal:

The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed. The proposed works consist of constructing Phase 2 of the external spine servicing network (ESSN) for the North Leslie community in the Town of Richmond Hill. Phase 2 of the ESSN includes the installation of a new watermain from approximately 750 metres west of the intersection of Leslie Street and 19th Avenue and extending approximately 400 metres westward to provide water to various subdivisions in the North Leslie Secondary Plan area, and connecting to municipal infrastructure. Phase 2 includes the regulated areas identified as ESSN Section Drawings PP01, PP02 and PP03 which is subject to this permit. These works are contained within the Region of York right-of-way. To address the portion of the watermain to be located in the right-of-way, the Landowner group has entered into an agreement with the Region of York to undertake these works.

An Environmental Impact Study for Phase 2 works was completed for the ESSN for the North Leslie Secondary Plan Area. The report identifies all sections of the ESSN which may disturb natural heritage features, and proposes mitigation and monitoring measures to be undertaken to minimize any potential impacts. The EIS includes an Environmental Monitoring Plan which provides for visual monitoring of adjacent natural heritage features, ESC measures, and all vegetation and restoration plantings, which will be provided to the TRCA on a weekly basis.

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The report also provides a Horizontal Directional Drilling (HDD) Inadvertent Return Contingency Plan in case of emergency which may occur during drilling operations.

The proposed work is a combination of open cut and trenchless technology (HDD) to minimize any anticipated impacts to the watercourse. The works will be isolated with double row silt fencing and Filtrexx Filter Soxx to prevent sediment from migrating from the work area. As such, disturbances to these habitats are not anticipated.

TRCA staff are satisfied that the construction methodology proposed is appropriate for mitigating any potential impacts to the greatest extent possible. As such, TRCA staff do not anticipate any geotechnical or ecological issues with the proposed works.

Control of Flooding:

The proposed project is not anticipated to impact flood conveyance, and/or storage of floodwaters.

Pollution:

Appropriate erosion and sediment controls (including double silt fencing and Filtrexx Silt Soxx) will be installed and maintained throughout all phases of construction.

Dynamic Beaches:

Not applicable

Erosion:

There are no geotechnical and/or slope stability concerns associated with this application.

Conservation of Land:

The proposed works represent the Phase 2 works, of which the works will be constructed through open cut. A portion of the works are located within the regulated area of the Rouge River Tributary 2-M, which will be constructed using horizontal directional drilling. TRCA staff are satisfied that the construction methodology proposed is appropriate for mitigating the potential impacts to the greatest extent possible. Furthermore, as the proposed works undertakes a construction methodology which minimizes the impacts to the natural heritage features. The applicant has advised that due to the nature of the construction method, a permit from MNRF is not required. Notwithstanding this, the MNRF construction timing window of July 1 to September 15 will apply unless otherwise specified in writing by MNRF.

Plantings

The proposed works include a combination of open cut and directional drilling. These disturbed areas will be stabilized with native seed mix, consistent with TRCA guidelines.

Policy Guidelines:

This proposal is consistent with Section 8.4 General Regulation and 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: 60066 - Application #: 0629/18/RH

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Date: October 30, 2018