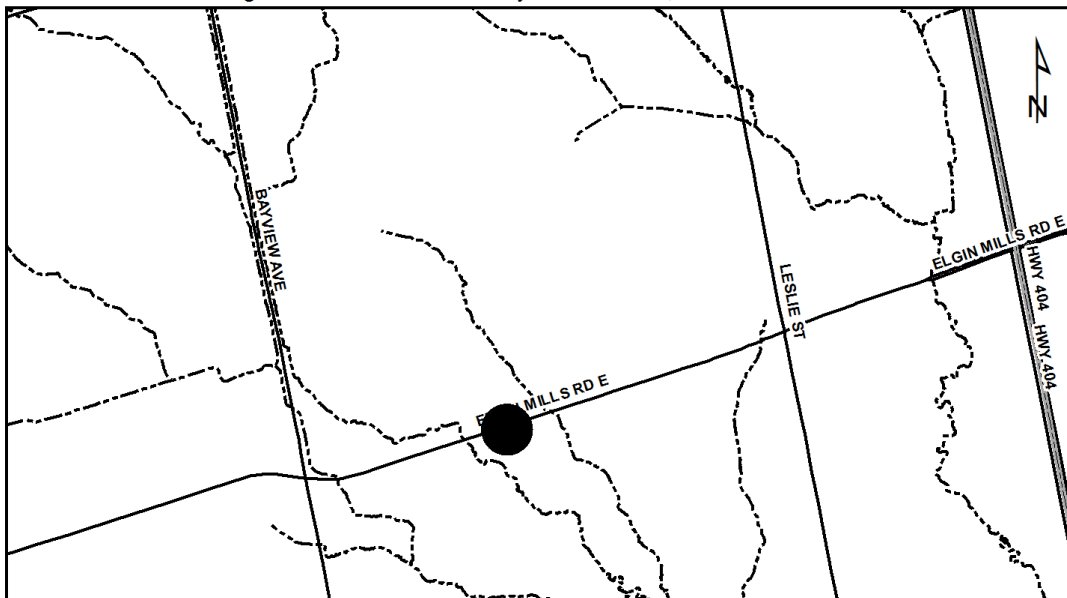


TOWN OF RICHMOND HILL

11.10 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 and interfere with a wetland on Lot 25, Concession 2, (Elgin Mills Road East West of Melbourne Drive), 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) consisting of the installation of a 300mm diameter PVC watermain and a 375 diameter PVC sanitary sewer along Elgin Mills Road from 130 metres west of Melbourne Drive to Melbourne Drive, located in an easement across private landholdings as well as within the existing urbanized section of the York Region right-of-way. The proposed works are located within TRCA Regulated areas of Tributaries 3-M and 0-1 of the North Leslie Secondary Plan area. The works will utilize a combination of open cut as well as trenchless technologies (HDD).

MAP LOCATION: Elgin Mills Road east of Bayview Avenue, 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. IND01-EXT, Sheet 02 of 10, North Leslie External Spine Services - Phase II Elgin Mills Road East Index, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;**
- **Drawing No. GN01-EXT, Sheet 03 of 10, North Leslie External Spine Services - Phase II Elgin Mills Road East General Notes, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;**
- **Drawing No. PP01-EXT, Sheet 04 of 10, North Leslie External Spine Services - Phase II Elgin Mills Road East Plan & Profile Elgin Mills Road East STA. 2+680 to STA. 2+940, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;**

Item 11.10

- Drawing No. ESC01-EXT, Sheet 05 of 10, North Leslie External Spine Services - Phase II Elgin Mills Road East Erosion & Sedimentation Control Plans STA. 2+680 to STA. 2+940, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. ESC02-EXT, Sheet 06 of 10, North Leslie External Spine Services - Phase II Elgin Mills Road East Erosion & Sedimentation Notes and Details, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. TMP01-EXT, Sheet No. 07 of 10, North Leslie External Spine Services Traffic Management Plan Elgin Mills Road East, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. XS01-EXT, Sheet 08 of 10, North Leslie External Spine Services - Phase II Elgin Mills Road Cross Sections 01 to 02, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing PP11, Sheet 24 of 76, Temporary Easement 1 (65R-37881) 0+000 to 0+180, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. DE01-EXT, Sheet 09 of 10, North Leslie External Spine Services - Phase II York Region / Town of Richmond Hill / Miscellaneous Details, prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. DE02-EXT, Sheet 10 of 10, North Leslie External Spine Services - Phase II OPSD Details, prepared by TMIG, dated October 2014, revised September 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.

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 300 mm PVC watermain and a 375 mm PVC sanitary sewer along Elgin Mills Road, approximately from 130 metres west of Melbourne Drive to Melbourne Drive. The proposed works are located in an easement across private landholdings as well as within the existing urbanized section of the York Region right-of-way. The proposed works are located within TRCA Regulated areas of Tributaries 3-M and 0-1 of the North Leslie Secondary Plan area. The works will utilize a combination of open cut as well as trenchless technologies (HDD) and will provide infrastructure servicing to various subdivisions in the North Leslie Secondary Plan area. Phase 2 includes the regulated areas identified as ESSN Section Drawings PP01-EXT which is subject to this permit. To address the portion of the works 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 the entry shaft for drilling operations located

Item 11.10

within TRCA's Regulated area and all sections of the ESSN which may disturb natural heritage features. The report provides 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. 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 adjacent 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 a combination of open cut and directional drilling. While the location of the entry pit for drilling operations is located within the regulated area, TRCA staff are satisfied that the construction methodology proposed is appropriate for mitigating the potential impacts to the greatest extent possible. 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.

Item 11.10

CFN: 60116 - Application #: 0692/18/RH

Report Prepared by: Doris Cheng 5306 dcheng@trca.on.ca

For information contact: Doris Cheng 5306 dcheng@trca.on.ca

Date: October 30, 2018