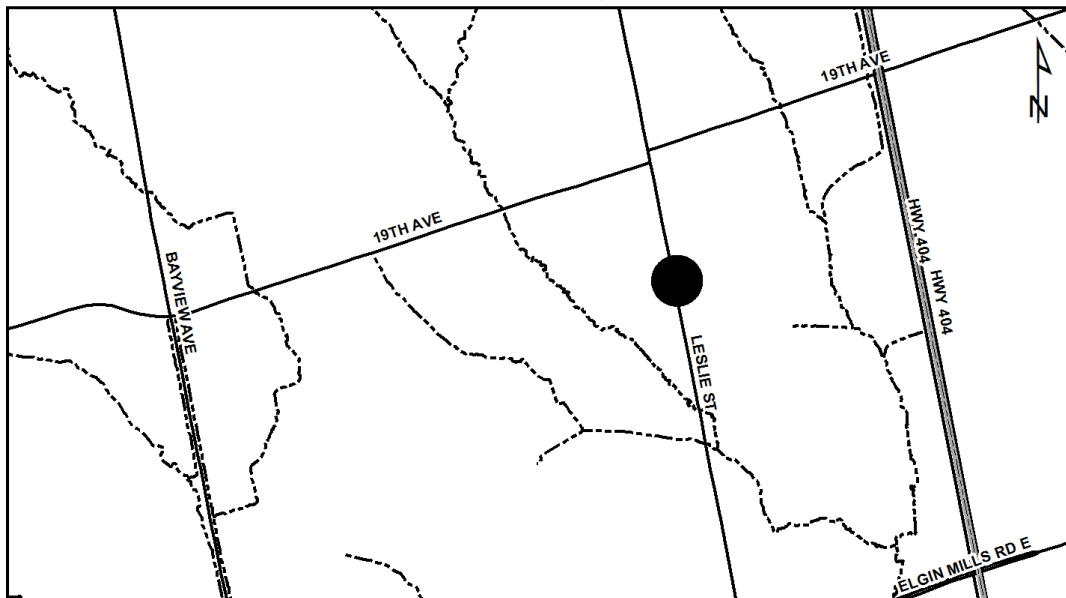


TOWN OF RICHMOND HILL

11.9 NORTH LESLIE WATERMAIN TRUSTEE INC.

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 28, 29, Concession 2, (Leslie Street from Bawden Drive (870m south of 19th Avenue) to 300m North of 19th Avenue), 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 on the North Leslie External Spine Servicing Network (ESSN) along Leslie Street, consisting of the installation of a 500mm diameter HDPE watermain from Bawden Drive (870 metres south of 19th Avenue) and extending northward to 300 metres north of 19th Avenue under Leslie Street. These works will provide servicing to the various draft approved subdivisions in the North Leslie community. Phase 2 includes the regulated area identified as ESSN Sections PP10 which is subject to this permit. The proposed works includes open cut as well as trenchless technologies (HDD) to cross the Rough River Tributary 2-M.

MAP LOCATION: Leslie Street south of 19th 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, Sheet No. 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 No. 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;
- Drawing No. PP10, Sheet No. 13 of 51, North Leslie External Spine Services - Phase II, Plan & Profile Leslie Street STA.10+620 to STA.10+900 prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. ESC05, Sheet No. 23 of 51, North Leslie External Spine Services - Phase II, Erosion & Sedimentation Control Plans Leslie Street STA.10+620 to STA.11+080

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prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;

- Drawing No. ESC08, Sheet No. 26 of 51, North Leslie External Spine Services - Phase II, Erosion and Sedimentation Notes and Details prepared by TMIG, dated October 2014, revised September 2018, received by TRCA October 4, 2018;
- Drawing No. L-1, Leslie Street Restoration Plan, prepared by MBTW Group, dated July 2017, revised September 24, 2018, received by TRCA October 4, 2018;
- Drawing No. L-2, Leslie Street Restoration Plan, 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, consisting of constructing Phase 2 of the external spine servicing network (ESSN) for the North Leslie community in the Town of Richmond Hill. These works extends from the Phase 1 works (TRCA Permit C-170696), and includes the installation of a 500mm diameter HDPE watermain from Bawden Drive (870 metres south of 19th Avenue) and extending northward to 300 metres north of 19th Avenue and connecting to municipal infrastructure under Leslie Street. These works will provide servicing to the various draft approved subdivisions in the North Leslie community. Phase 2 includes the regulated area identified as ESSN Sections PP10 which is subject to this permit. The proposed work spans across various land holdings (associated with the North Leslie Landowners Group), as well as within the Region of York right-of-way. To address the multiple land ownerships, easements have been established with the North Leslie Watermain Trustee Inc to undertake the works. In instances where portions of the watermain is to be located within the Region of York right-of-way, the Landowner Group 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 and 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 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.

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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: 60067 - Application #: 0628/18/RH

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