

Item 11.1.

Section IV – Ontario Regulation 166/06, As Amended

TO: Chair and Members of the Executive Committee
Meeting #5/19, June 7, 2019

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

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 11.1 – 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 PICKERING

NORTH PICKERING COMMUNITY MANAGEMENT INC.

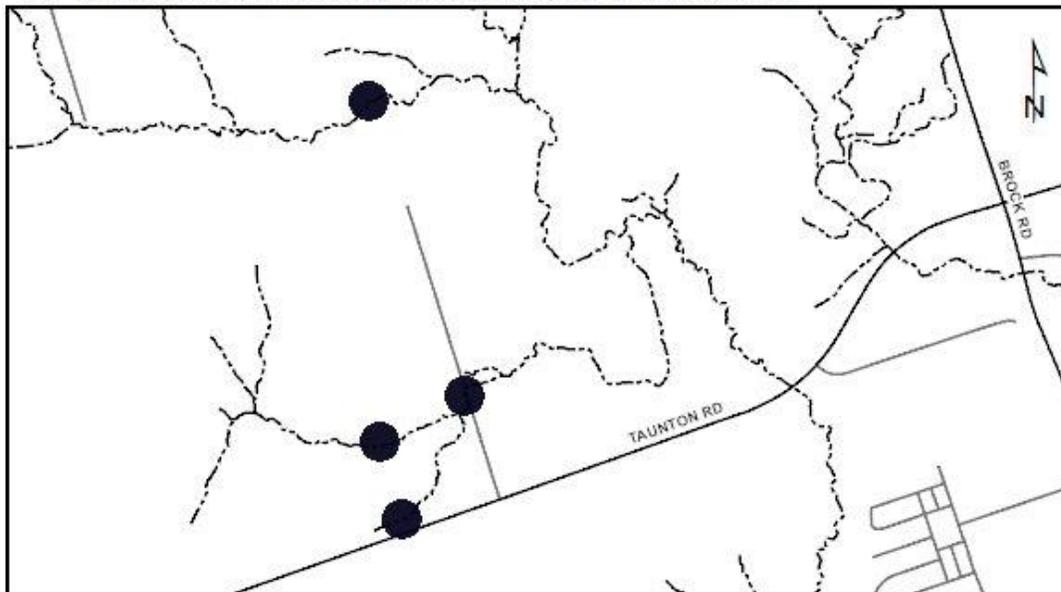
To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material originating on the site or elsewhere, interfere with a wetland and alter a watercourse as a result of the Peter Matthews Drive Extension from Taunton Road to Whitevale Road, construction of a new watermain, sanitary sewer and the removal and restoration of a segment of existing Sideline 22, in the City of Pickering, Duffins

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Creek Watershed, as located on the property owned by Infrastructure Ontario and 1133373 Ontario Incorporated (Lebovic).

The purpose is to construct the Peter Matthews Drive Extension from Taunton Road to Whitevale Road including a new watermain along future Peter Matthews Drive and a new sanitary sewer along existing Sideline 22. Work will also include the removal of approximately 140 m of existing Sideline 22 and re-naturalization of the site. These works are part of the servicing for the new Seaton community in the City of Pickering and were previously reviewed through the Central Pickering Development Plan Class Environmental Assessment (EA) for Regional Services (June 2014). The Redside Dace construction timing window will be applied at two of the watercourse crossings associated with the work along future Peter Matthews Drive (watercourse crossings i-26 and i-28), as well as along Sideline 22 where the road removal work is expected to take place, unless otherwise specified in writing by the Ministry of the Environment, Conservation and Parks.

MAP LOCATION: Peter Matthews Drive Extension, Sanitary and Watermain Construction



The permit will be issued for the period of June 7, 2019 to June 6, 2021.

- **Letter of Undertaking to provide revisions to the engineering and landscape/restoration drawings to the satisfaction of TRCA staff; dated May 27, 2019; received May 27, 2019; prepared by North Pickering Community Management Inc.**

Application-Specific Permit Conditions

14. No work as authorized by the issuance of this permit may be commenced by the permit holder unless and until all conditions precedent as set out in the fully executed License of Land for Temporary Use and Access between Her Majesty The Queen In Right Of Ontario, as represented by The Minister of Economic Development, Employment and Infrastructure ("I/O") and North Pickering Community Management Inc. ("NPCMI"). For greater certainty, the purpose of the foregoing is to ensure that NPCMI does not rely on this permit to commence work, or even enter onto the subject lands, unless and until all requisite permissions to enter as granted by I/O are in full force and effect and without outstanding conditions precedent.

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RATIONALE

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

Proposal:

This proposal involves constructing Peter Matthews Drive from Taunton Road to Whitevale Road (approximately 2.2 km), as well as underground infrastructure to service the new Seaton Community. Peter Matthews Drive will be located just west of existing Sideline 22 with an urban road configuration of 4 lanes (2 lanes in each direction), a right-of-way width of 36 m and will include a multi-use path on the east side and a sidewalk on the west side.

The road construction will need to cross 3 watercourses, each of which will be conveyed through structures. The small tributary located just north of Taunton Road (i-25) will be conveyed through a 750 mm diameter culvert. The second crossing located approximately 200 m north of Taunton Road (i-26) will be conveyed through a 8.53 m wide by 2 m high precast concrete open span culvert which will include dry animal passage areas on either side of the culvert. The existing fish barrier and pond located upstream of this crossing will be removed and replaced with a natural channel which will extend approximately 85 m upstream of the crossing and 23 m downstream of the crossing. The channel design will incorporate resting pools to facilitate fish movement. The third crossing (i-28) is the main crossing of the Ganatsekiagon Creek located approximately mid way between Taunton Road and Whitevale Road. This crossing will be conveyed through a 46 m wide by 5 m high single span concrete bridge. In addition, a 400 mm to 500 mm diameter watermain will be constructed generally within the limits of the new road or within the road right-of-way by open cut, with the exception of the crossing at i-28 where it will be constructed using horizontal directional drilling.

Furthermore, a trunk sanitary sewer will be constructed along existing Sideline 22 from Taunton Road to Whitevale Road using trenchless technology which will require the construction of several temporary drilling shafts. The sanitary sewer will continue along the east side of future Peter Matthews Drive where Sideline 22 ends and will then proceed north to Whitevale Road. Once the sanitary sewer has been installed, the existing culvert on Sideline 22 together with approximately 140 m of existing Sideline 22 in the location of the watercourse crossing will be removed and re-naturalized. Re-naturalization will include the planting of live stakes along the banks of the channel as well as shrub and tree plantings within the area of the removed road bed. The remainder of Sideline 22 located just north of Taunton Road, as well as the segment of road located to the north will need to remain in place to allow for Durham Region to access their sanitary sewer for future maintenance purposes.

Road drainage will be conveyed through storm sewers and treated through a series of stormwater management ponds which will be constructed within development lands, in parallel with the Peter Matthews Drive extension work.

Control of Flooding:

The proposed project is not anticipated to impact flooding, conveyance or storage of floodwaters.

Pollution:

Standard erosion and sediment control measures, including fibre logs and erosion control blankets will be implemented prior to construction and maintained for the duration of construction, and until the site is stabilized.

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Dynamic Beaches:

Not applicable.

Erosion:

No geotechnical/slope stability issues have been identified.

Conservation of Land:

The Redside Dace construction timing window (July 1 to September 15) will be applied to this project for the two main watercourse crossings associated with the road work (i-26 and i-28), as well as the Sideline 22 road and culvert removal, unless otherwise specified in writing by the Ministry of the Environment, Conservation and Parks.

Plantings

All disturbed areas will be stabilized with either an upland native meadow seed mix or a valleyland restoration seed mix. In addition, at this time, the forest edge management plantings include approximately 366 deciduous tree whips, 237 coniferous trees, 1,779 shrubs and 616 live stakes. Plantings at watercourse crossings i-25, i-26 and i-28, as well as the realigned stream corridor include approximately 255 deciduous tree whips, 149 coniferous trees and 2,010 shrubs. It is anticipated that additional plantings will be incorporated into the final permitted design given the nature of disturbance to this area and on-going discussions with the proponent.

Policy Guidelines:

This proposal complies with Section 8.7 Interference with Wetlands, Section 8.8 Interference with a Watercourse 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: 58953 - Application #: 1429/17/PICK

Report Prepared by: Sharon Lingertat, extension 5717, email sharon.lingertat@trca.ca

For information contact: Sharon Lingertat, extension 5717, email sharon.lingertat@trca.ca

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