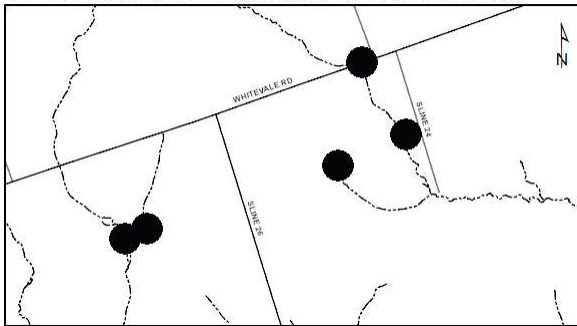


NORTH PICKERING COMMUNITY MANAGEMENT INC.

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 along Old Whitevale Road, 650 m east of Whites Road (Sideline 26); and along Alexander Knox Road (realigned Whitevale Road) from approximately 1 km west of Whites Road to approximately 700 m east of Whites Road in the City of Pickering, Duffins Creek Watershed, as located on property owned by the City of Pickering, Infrastructure Ontario, White Sun Developments Limited, and Oak Ridges Seaton Inc.

The purpose is to install two watermain along Old Whitevale Road, 650 m east of Whites Road, and to construct Alexander Knox Road (realigned Whitevale Road) from approximately 1 km west of Whites Road to approximately 700 m east of Whites Road in the City of Pickering. The proposal includes two (2) new watercourse crossings as a result of the new road construction and will also include the construction of a watermain. 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).

MAP LOCATION: CFN 63493 - Old Whitevale Road and Alexander Knox, Watermain and Road Construction



The permit will be issued for the period of August 30, 2022 to August 29, 2024 in accordance with the following documents and plans which form part of this permit:

- **Sheet 1 of 137; The Regional Municipality of Durham, Works Department, Seaton Spine Assignment 7A, Road, Storm Sewer and Sanitary Sewer Construction, City of Pickering; prepared by the Regional Municipality of Durham; received by TRCA on July 12, 2022;**
- **Drawing Number IND-01; Sheet 2 of 137; Drawing Index; prepared by the Regional Municipality of Durham; dated April 2022; received by TRCA on July 12, 2022;**
- **Drawing Number IND-02; Sheet 3 of 137; Drawing Index; prepared by the Regional Municipality of Durham; dated April 2022; received by TRCA on July 12, 2022;**
- **Drawing Number IND-03; Sheet 4 of 137; Drawing Index; prepared by the Regional Municipality of Durham; dated April 2022; received by TRCA on July 12, 2022;**
- **Drawing Number IND-04; Sheet 5 of 137; Drawing Index; prepared by the Regional Municipality of Durham; dated April 2022; received by TRCA on July 12, 2022;**
- **Drawing Number LEG-01; Sheet 6 of 137; Legend and Abbreviations; prepared by the Regional Municipality of Durham; received by TRCA on July 12, 2022;**
- **Drawing Number RM-01; Sheet 10 of 137; Removals Plan, Alexander Knox Road (West); prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;**
- **Drawing Number RM-02; Sheet 11 of 137; Removals Plan, Alexander Knox Road (East); prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;**

- Drawing Number RM-03; Sheet 12 of 137; Removals Plan, Whitevale Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number GPS-01; Sheet 13 of 137; General Plan of Services, Alexander Knox Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number GPS-02; Sheet 14 of 137; General Plan of Services, Alexander Knox Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number GPS-03; Sheet 15 of 137; General Plan of Services, Feeder mains on Whitevale Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number STM-01; Sheet 16 of 137; Storm Drainage Plan (West), Alexander Knox Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number STM-02; Sheet 17 of 137; Storm Drainage Plan (East), Alexander Knox Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number SAN-01; Sheet 18 of 137; Sanitary Drainage Plan (West), Alexander Knox Road; prepared by the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number SAN-02; Sheet 19 of 137; Sanitary Drainage Plan (East), Alexander Knox Road; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-601; Sheet 20 of 137; Alexander Knox Road, From STA. 12+940 to STA. 13+220; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-602; Sheet 21 of 137; Alexander Knox Road, From STA. 13+220 to STA. 13+500; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-603; Sheet 22 of 137; Alexander Knox Road, From STA. 13+500 to STA. 13+760; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-606; Sheet 25 of 137; Alexander Knox Road, From STA. 14+300 to STA. 14+520; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-607; Sheet 26 of 137; Alexander Knox Road, From STA. 14+520 to STA. 14+650; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-609; Sheet 28 of 137; Whitevale Road, From STA. 1+240 to STA. 1+500; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-610; Sheet 29 of 137; Whitevale Road, From STA. 0+500 to STA. 0+729; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-611; Sheet 30 of 137; Catalina Manor, From STA. -0+030 St. to STA. 0+055, New Haven Drive, From STA. -0+050 to STA. 0+050; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-612; Sheet 31 of 137; Wyndale Place, From STA. -0+048.58 St. to STA. 0+029.02, Begonia Place – Silvermoon Drive, From STA. -0+065 to STA. 0+060; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-615; Sheet 34 of 137; Signet Square, From STA. -0+040 St. to STA. 0+045,

Waddington Way – Signet Square, From STA. -0+050 to STA. 0+050; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;

- Drawing Number S-616; Sheet 35 of 137; Access Route 1, From STA. 0+000 St. to STA. 0+120, Access Route 3, From STA. 0+000 to STA. 0+052; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-617; Sheet 36 of 137; Access Route 2A, From STA. 0+000 St. to STA. 0+087, Access Route 2B, From STA. 0+029.23 to STA. 0+059; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number S-618; Sheet 37 of 137; Culvert Crossing I-80, From STA. -0+050 St. to STA. 0+060, Culvert Crossing at STA. 14+394, From STA. -0+040 ST. to STA. 0+060; prepared by Sabourin Kimble & Associates Ltd. and Beacon Environmental on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number TX-01; Sheet 38 of 137; Alexander Knox Road, Typical Road Cross Sections; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number TX-02; Sheet 39 of 137; Alexander Knox Road, Typical Road Cross Sections; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number TX-03; Sheet 40 of 137; Alexander Knox Road, Typical Road Cross Sections; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number TX-04; Sheet 41 of 137; Alexander Knox Road, Typical Road Cross Sections; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number TX-05; Sheet 42 of 137; Alexander Knox Road, Typical Road Cross Sections; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number STR-01; Sheet 52 of 137; Alexander Knox Road Bridge over Whitevale Creek (i-79), General Arrangement; prepared by Jewell Engineering on behalf of the Regional Municipality of Durham; dated April 5, 2022; received by TRCA on July 12, 2022;
- Drawing Number STR-02; Sheet 53 of 137; Borehole Location Plan/Interpreted Stratigraphic Cross Sections A-A' and B-B'; prepared by Golder the Regional Municipality of Durham; received by TRCA on July 12, 2022;
- Drawing Number STR-03; Sheet 54 of 137; Alexander Knox Road Bridge over Whitevale Creek (i-79), Piles Layout, Excavation and Backfill Limits; prepared by Jewell Engineering on behalf of the Regional Municipality of Durham; dated April 5, 2022; received by TRCA on July 12, 2022;
- Drawing Number STR-06; Sheet 57 of 137; Alexander Knox Road Bridge over Whitevale Creek (i-79), Abutment and Wingwall Typical Sections; prepared by Jewell Engineering on behalf of the Regional Municipality of Durham; dated April 5, 2022; received by TRCA on July 12, 2022;
- Drawing Number STR-07; Sheet 58 of 137; Alexander Knox Road Bridge over Whitevale Creek (i-79), West Wingwalls; prepared by Jewell Engineering on behalf of the Regional Municipality of Durham; dated April 5, 2022; received by TRCA on July 12, 2022;
- Drawing Number STR-08; Sheet 59 of 137; Alexander Knox Road Bridge over Whitevale Creek (i-79), East Wingwalls; prepared by Jewell Engineering on behalf of the Regional Municipality of Durham; dated April 5, 2022; received by TRCA on July 12, 2022;
- Drawing Number STR-22; Sheet 73 of 137; Alexander Knox Road Bridge over Whitevale Creek (i-79), Pile Driving Control; prepared by Jewell Engineering on behalf of the Regional Municipality of Durham; dated April 5, 2022; received by TRCA on July 12, 2022;
- Drawing Number E0-02; Sheet 75 of 137; Alexander Knox, 13+310 to 13+670, Regional Lighting; prepared by the Regional Municipality of Durham; dated December 6, 2021; received by TRCA

on July 12, 2022;

- Drawing Number E0-04; Sheet 77 of 137; Alexander Knox, 14+050 to 14+420, Regional Lighting; prepared by the Regional Municipality of Durham; dated December 6, 2021; received by TRCA on July 12, 2022;
- Drawing Number E0-05; Sheet 78 of 137; Alexander Knox, 14+420 to 14+650, Regional Lighting; prepared by the Regional Municipality of Durham; dated December 6, 2021; received by TRCA on July 12, 2022;
- Drawing Number T-2; Sheet X of X; Alexander Knox Road (Reg. Rd. 40), STA 13+180 to STA 13+485, Traffic Control Signals Underground Plant; prepared by the Regional Municipality of Durham; dated March 9, 2020; received by TRCA on July 12, 2022;
- Drawing Number T-3; Sheet X of X; Alexander Knox Road (Reg. Rd. 40), STA 13+485 to STA 13+750, Traffic Control Signals Underground Plant; prepared by the Regional Municipality of Durham; dated March 9, 2020; received by TRCA on July 12, 2022;
- Drawing Number T-6; Sheet X of X; Alexander Knox Road (Reg. Rd. 40), STA 14+300 to STA 14+560, Traffic Control Signals Underground Plant; prepared by the Regional Municipality of Durham; dated March 9, 2020; received by TRCA on July 12, 2022;
- Drawing Number T-7; Sheet X of X; Alexander Knox Road (Reg. Rd. 40), STA 14+560 to STA 14+650, Traffic Control Signals Underground Plant; prepared by the Regional Municipality of Durham; dated March 9, 2020; received by TRCA on July 12, 2022;
- Drawing Number T-9; Sheet X of X; Alexander Knox Road (Reg. Rd. 40), at Begonia Place/Silvermoon Drive, Intersection Lighting Aboveground Plant; prepared by the Regional Municipality of Durham; dated March 9, 2020; received by TRCA on July 12, 2022;
- Drawing Number T-11; Sheet X of X; Alexander Knox Road (Reg. Rd. 40), Traffic Signal Standards; prepared by the Regional Municipality of Durham; dated March 9, 2020; received by TRCA on July 12, 2022;
- Drawing Number ESC-01; Sheet 98 of 137; Erosion and Sediment Control Plan, Alexander Knox Road (West) – Stage 1; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-02; Sheet 99 of 137; Erosion and Sediment Control Plan, Alexander Knox Road (East) – Stage 1; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-03; Sheet 100 of 137; Erosion and Sediment Control Plan, Whitevale Road – Stage 1; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-04; Sheet 101 of 137; Erosion and Sediment Control Plan, Alexander Knox Road (West) – Stage 2; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-05; Sheet 102 of 137; Erosion and Sediment Control Plan, Alexander Knox Road (East) – Stage 2; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-06; Sheet 103 of 137; Erosion and Sediment Control Plan, Whitevale Road – Stage 2; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April 8, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-07; Sheet 104 of 137; Erosion and Sediment Control Plan, Details and Notes; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number ESC-08; Sheet 105 of 137; Erosion and Sediment Control Plan, Details and Notes; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number RES-1; Sheet 106; Alexander Knox Road, Whitevale Creek, (Crossing i-79) Planting Plan; prepared by Beacon Environmental on behalf of the Regional Municipality of Durham; dated July 12 2022; received by TRCA on July 12, 2022;
- Drawing Number RES-2; Sheet 107; Alexander Knox Road, Whitevale Creek, (Crossing i-79) Planting Plan; prepared by Beacon Environmental on behalf of the Regional Municipality of

- Durham; dated July 12, 2022; received by TRCA on July 12, 2022;
- Drawing Number RES-3; Sheet 108; Alexander Knox Road, Whitevale Creek, (Crossing i-79) Planting Plan; prepared by Beacon Environmental on behalf of the Regional Municipality of Durham; dated July 12, 2022; received by TRCA on July 12, 2022;
- Drawing Number RES-4; Sheet 109; Alexander Knox Road, Whitevale Creek, (Crossing i-79) Planting Plan; prepared by Beacon Environmental on behalf of the Regional Municipality of Durham; dated July 12, 2022; received by TRCA on July 12, 2022;
- Drawing Number RES-5; Sheet 110; Alexander Knox Road, Ganatsekiagon Creek Tributary, (Crossing i-79) Planting Plan; prepared by Beacon Environmental on behalf of the Regional Municipality of Durham; dated July 12, 2022; received by TRCA on July 12, 2022;
- Drawing Number RES-6; Sheet 111; Alexander Knox Road, Ganatsekiagon Creek Tributary, (Crossing i-79) Planting Plan; prepared by Beacon Environmental on behalf of the Regional Municipality of Durham; dated July 12, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-10; Sheet 122 of 137; Alexander Knox Road, From 13+400 to 13+420; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-11; Sheet 123 of 137; Alexander Knox Road, From 13+440 to 13+460; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-12; Sheet 124 of 137; Alexander Knox Road, From 13+480 to 13+560; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-13; Sheet 125 of 137; Alexander Knox Road, From 13+563.74 to 13+602.74; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-14; Sheet 126 of 137; Alexander Knox Road, From 13+620 to 13+660; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-15; Sheet 127 of 137; Alexander Knox Road, From 13+680 to 13+760; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-16; Sheet 128 of 137; Alexander Knox Road, From 13+780 to 13+840; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-22; Sheet 134 of 137; Alexander Knox Road, From 14+320 to 14+400; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022;
- Drawing Number CX-25; Sheet 137 of 137; Alexander Knox Road, From 14+600 to 14+650; prepared by Sabourin Kimble & Associates Ltd. on behalf of the Regional Municipality of Durham; dated April, 2022; received by TRCA on July 12, 2022.

RATIONALE

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

Proposal:

This proposal involves the construction of two watermains (700 mm and 600 mm diameter) along the southern side of Old Whitevale Road, 650 m east of Whites Road (Sideline 26). The watermains along Old Whitevale Road will be installed via jack and bore drilling across the existing culvert i-7A-1. The watermains will be installed under the watercourse to a depth of 2.5 m.

Work will also involve the construction of approximately 1.7 km of Alexander Knox Road

(realigned Whitevale Road) from approximately 1 km west of Whites Road (Sideline 26) to approximately 700 m east of Whites Road in the City of Pickering.

Alexander Knox Road will be constructed to a width from 33 m to 40 m and will be fully urbanized with 4 traffic lanes, 2 bike lanes, turning lanes, on street parking, a raised median and sidewalks on both sides of the roadway. The new roadway will also connect to other segments of Alexander Knox Road to the east and west to be permitted separately. In addition, local storm and sanitary sewer as well as a 400 mm diameter watermain will also be constructed along the length of the road.

Along the new roadway two crossings (i-79 and i-80) will be impacted by this work as follows:

- The most western crossing i-79 will be a bridge having a span of 38.5 m, a maximum height of 5.6 m and a width of 30.0 m and will be complete with parapet walls on both the upstream and downstream sides. A maintenance access will be constructed on the northwest side of the crossing which will be over-seeded. Bioswales will be constructed which will provide further treatment of stormwater, prior to release to a tributary of the Ganatsekiagon Creek.
- Crossing i-80 will be a 5.49 m wide, 1.22 m tall and 55.2 m long closed bottom concrete box culvert with an embeddedness of 0.2 m. The sloped end treatments will result in a top length of 5.04 m, giving an openness ratio for wildlife passage of 0.11. A maintenance access will be constructed on the southwest side of the crossing between i-80 and i-79 which will be over-seeded. A maintenance access will be constructed on the northeast side of the crossing which will be restored topsoil and seeded as a cultural meadow. Bioswales will be constructed which will provide further treatment of stormwater, prior to release to a tributary of the Ganatsekiagon Creek. A 500 mm diameter CSP is proposed upstream of Crossing i-80 to provide a temporary crossing of Whitevale Creek Tributary (Reach W7-2) for construction access to i-79 eastern abutment.

Channel realignments will be required both upstream and downstream of crossings i-79 and i-80 to ensure appropriate tie-in with the existing channel. The design also maximizes the cross-sectional areas of the structures to the extent possible to allow for wildlife passage and in the i-80 culvert will include addition of stone being covered with 100 mm of a granular/topsoil or native soil mix, then compacted, to minimize interstitial spacing.

Stormwater (erosion and quantity control) will also be managed via storm sewers and overland vegetated channels to four (4) stormwater management facilities (SWMF) within the adjacent residential subdivisions. Stormwater Management Facilities 18 and 22 will be wet ponds and SWMF's 19 and 22A will be dry ponds. The SWMF's will be functioning prior to the paving of Alexander Knox Road and it is noted that all design and permitting construction requirements for those ponds will be the responsibility of the Landowners and are being undertaken through separate permit reviews and approvals. The watermain crossing at i-80 will be constructed above the culvert via open cut. The watermain crossing at i-79 will be constructed south of the bridge and beneath the creek via jack and bore drilling.

The new Alexander Knox Road will intersect with a third regulated area, located south of the roadway approximately 400 m east of Whites Road (Sideline 26), and includes drainage to an adjacent tributary via an unregulated culvert crossing the new roadway conveying stormwater.

Finally a fourth regulated area is located immediately adjacent to a tributary of the Ganatsekiagon Creek at the eastern end of this new road which will be undertaken through a

separate permit review (CFN 62458). A sediment trap and rock check weir will be constructed to mitigate sediment release during construction and facilitate local surface drainage until stormwater management facilities within the adjacent residential subdivisions are completed through separate permit reviews and approvals.

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).

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 erosion control blankets, mud mats, rock check dam, fibre logs and double row silt fencing will be implemented prior to construction and maintained for the duration of construction, and until the site is stabilized and restored. Erosion and sediment control measures have been provided in accordance with the Toronto and Region Conservation Authority Erosion and Sediment Control Guide for Urban Construction (2019).

Dynamic Beaches:

Not applicable

Erosion:

No geotechnical/slope stability issues have been identified.

Conservation of Land:

Four rocket box bat structures will be installed to support local bat communities post construction. To protect local fish populations during their spawning, nursery and migratory periods, the contractor/proponent should ensure that in- water/near-water activities occur within the applicable timing window. The proponent/contractor should confirm timing window application and dates directly with appropriate Provincial and Federal agencies.

Plantings

Restoration will include 81 coniferous and 248 deciduous trees planted along disturbed areas. Approximately 2,575 mass shrub plantings will take place along the proposed bioswales, watercourses and along slopes. Edge management plantings will take place along the toe of slope at the new forest edge where culvert and grading work associated with the road is expected. Areas will be stabilized with native, non-invasive Upland Native Meadow and Creek Bank Native seed mixes, with nurse crop to stabilize slopes and swales. In addition, the sanitary sewer easement, located between and north of culvert i-79 and i-80, will be planted with extensive coniferous and deciduous trees with mass shrub plantings.

Policy Guidelines:

This proposal complies with 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: 63493 - Application #: 0633/20/PICK

Report Prepared by: Nathan Jenkins,

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Email nathan.jenkins@trca.ca

Date: August 16, 2022