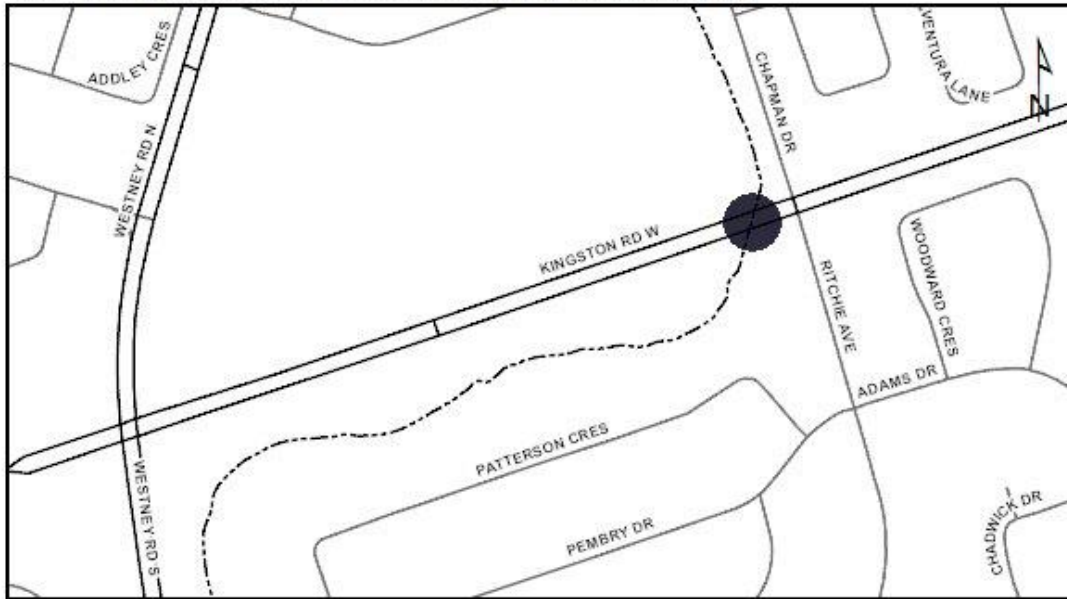


TOWN OF AJAX

11.8 REGIONAL MUNICIPALITY OF DURHAM

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 Kingston Road/Highway 2 from east of Westney Road to west of Harwood Avenue South, in the Town of Ajax, Duffins Creek Watershed, as located on the property owned by The Regional Municipality of Durham. The purpose is to widen Kingston Road/Highway 2 from east of Westney Road to west of Harwood Avenue South as part of The Regional Municipality of Durham's plans for improved transit services along Kingston Road/Highway 2. The coldwater construction timing window will apply to this project.

MAP LOCATION: Kingston Road/Highway 2 (Westney Road to Harwood Avenue S)



The permit will be issued for the period of August 10, 2018 to August 9, 2020 in accordance with the following documents and plans which form part of this permit:

- **Drawing ESC-1 - Highway 2 - Kingston Road, Erosion and Sediment Control; prepared by AECOM; dated March 2018; received July 11, 2018;**
- **Drawing ESC-1 - Highway 2 - Kingston Road, Erosion and Sediment Control; prepared by AECOM; dated January 2018; received May 9, 2018;**
- **Drawing STG-1-2-3 - Highway 2 - Kingston Road, Construction Staging; prepared by AECOM; dated March 2018; received July 11, 2018;**
- **Drawing STR-LT1 - Highway 2 - Kingston Road, Retaining Walls #1 and #2 - General Arrangement; prepared by AECOM; dated September 2017; received July 11, 2018;**
- **Drawing STR-LT2 - Highway 2 - Kingston Road, North and South End Culverts - Removals; prepared by AECOM; dated September 2017; received July 11, 2018;**
- **Drawing NC-1 - Highway 2 - Kingston Road, New Construction, From 355m W. of Chapman Dr. to 216m W. of Chapman Dr.; prepared by AECOM; dated March 2018; received July 11, 2018;**

Item 11.8

- Drawing NC-2 - Highway 2 - Kingston Road, New Construction, From 216m W. of Chapman Dr. to 76m W. of Chapman Dr.; prepared by AECOM; dated March 2018; received July 11, 2018;
- Drawing NC-3 - Highway 2 - Kingston Road, New Construction, From 76m W. of Chapman Dr. to 44m E. of Chapman Dr.; prepared by AECOM; dated March 2018; received July 11, 2018;
- Drawing NC-8 - Highway 2 - Kingston Road, New Construction, Richie Avenue and Chapman Drive; prepared by AECOM; dated March 2018; received July 11, 2018;
- Drawing NC-9 - Highway 2 - Kingston Road, New Construction, OGS Units - 1, 2, 3, & 4 Profiles; prepared by AECOM; dated March 2018; received July 11, 2018;
- Drawing TS-1 - Highway 2 - Kingston Road, Typical Sections; prepared by AECOM; dated March 2018; received July 11, 2018;
- Drawing TP-5 - Highway 2 - Kingston Road, Tree Preservation and Removals, Details; prepared by AECOM; dated August 2017; received July 11, 2018;
- Drawing L-1 - Highway 2 - Kingston Road, Landscape Plan, From 355m W. of Chapman Dr. to 76m W. of Chapman Dr.; prepared by AECOM; dated August 2017; received July 11, 2018;
- Drawing L-2 - Highway 2 - Kingston Road, Landscape Plan, From 76m W. of Chapman Dr. to 164m E. of Chapman Dr.; prepared by AECOM; dated August 2017; received July 11, 2018;
- Drawing L-4 - Highway 2 - Kingston Road, Landscape Plan, From 404m E. of Chapman Dr. to 524m E. of Chapman Dr.; prepared by AECOM; dated August 2017; received July 11, 2018;
- Drawing L-5 - Highway 2 - Kingston Road, Landscape, Details; prepared by AECOM; dated August 2017; received July 11, 2018;
- Letter of Commitment to provide engineered and stamped shop drawings for the retaining walls at the culvert and revised erosion and sediment control drawings for work along the watercourse; prepared by The Regional Municipality of Durham; dated June 14, 2018; received June 14, 2018.

RATIONALE

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

Proposal:

This undertaking is part of a larger project which involves improvements along a 10 km stretch of Kingston Road/Highway 2 from west of Whites Road to east of Salem Road in order to enhance transit service. A multi-staged implementation approach was recommended through the previously reviewed and approved Highway 2 Transit Priority Measures Environmental Study Report (March 2012), the Highway 2 Transit Priority Measures Environmental Study Report Addendum (December 2014), and as identified in the Region's Long Term Transit Strategy (LTTS) implementation plan. The proposed improvements are expected to support transit services in the short-term (roadway and intersection improvements), provide flexibility to transition to a Bus Rapid Transit (BRT) system and eventually a Light Rail Transit (LRT) system. Several intersection improvements have already been permitted as part of the Phase 1 work including intersections at Kingston Road/Highway 2 and Westney Road, Kingston Road/Highway 2 and Brock Road, Kingston Road/Highway 2 and Whites Road, and Kingston Road/Highway 2 and Liverpool Road.

Item 11.8

This proposal is the first full road segment for Phase 2 which involves the widening of Kingston Road/Highway 2 from east of Westney Road to west of Harwood Avenue South. The road will be widened to allow for dedicated transit services at the curb lanes with the flexibility to transition to the longer term vision of a median LRT system, as needed based on future ridership demand. The road will be reconstructed with 3 lanes in each direction (2 lanes for traffic in each direction, one dedicated bus lane at the curbs on either side of the road) and will also incorporate turning lanes, 1.5 m wide on-road cycling lanes with a 0.6 m wide buffer and 1.8 m wide sidewalks including boulevards. Sections of the existing gabion basket headwalls located at the watercourse crossing west of Chapman Drive/Ritchie Avenue will be replaced with concrete headwalls. In addition, a 400 mm diameter watermain is proposed on the north side of Kingston Road/Highway 2 from the intersection of Chapman Drive and then east along Kingston Rd/Highway 2.

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 silt fencing will be implemented prior to construction and maintained for the duration of construction, and until the site is stabilized and restored.

Dynamic Beaches:

Not applicable

Erosion:

No geotechnical/slope stability issues have been identified.

Conservation of Land:

The cold water construction timing window of July 1 to September 15 will apply to this work.

Plantings

All disturbed areas will be stabilized and restored (84 deciduous trees, 5 coniferous trees).

Policy Guidelines:

This proposal complies with 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: 58452 - Application #: 1102/17/AJAX

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Date: July 27, 2018