



**BURNSIDE**

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## Appendix E - Part 2

### Agency, Developer, Public Correspondence

**Accessible formats and communication supports are available upon request:**

**York Region Transportation, Public Works**

Phone: 1-877-464-9675 ext. 75000

TTY: 1-866-512-6228

Email: [Transportation@york.ca](mailto:Transportation@york.ca)

**Ministry of the Environment Conservation and Parks Correspondence**

## Sylvia Waters

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**From:** Lee, Erinn (MECP) <Erinn.Lee2@ontario.ca>  
**Sent:** Thursday, December 09, 2021 12:18 PM  
**To:** Sylvia Waters  
**Cc:** Chiu, Edward; Deanna De Forest  
**Subject:** RE: 052314 - Agency - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

Hi Sylvia,  
My apologies for the confusion, thank you for providing those previous emails.

Thanks,  
Erinn

---

**From:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Sent:** December 6, 2021 11:42 AM  
**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>  
**Cc:** Chiu, Edward <[edward.chiu@york.ca](mailto:edward.chiu@york.ca)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>  
**Subject:** RE: 052314 - Agency - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

Hi Erinn

Thank you for your email.

The Project Information Form was submitted to the EA notifications Central Region – [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca) on November 25, 2021 along with a copy of the Notice of Commencement for the EA project.

In addition, a list of Indigenous communities that may have an interest in the project was provided by MECP on October 22, 2021. Copies of the correspondence are attached for your reference.

**Sylvia Waters**

Technical Administrator, EPA

R.J. Burnside & Associates Limited | [www.rjburnside.com](http://www.rjburnside.com)

Office: +1 800-265-9662 Direct: +1 705-797-4379

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>  
**Sent:** Friday, December 03, 2021 3:34 PM  
**To:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Cc:** Chiu, Edward <[edward.chiu@york.ca](mailto:edward.chiu@york.ca)>  
**Subject:** RE: 052314 - Agency - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

Hi Sylvia,

Please provide a Project Information Form for this project. Information about the Project Information Form can be found in the attached instructions.

I will provide a Letter of Acknowledgement once we receive the completed Project Information Form and have received the list of Indigenous communities for our Indigenous Advisor.

Thank you,

**Erinn Lee**

Regional Environmental Planner | Ministry of the Environment, Conservation and Parks  
Project Review Unit, Environmental Assessment Branch  
135 St. Clair Ave W, Toronto, ON M4V 1P5

## Sylvia Waters

---

**From:** Lee, Erinn (MECP) <Erinn.Lee2@ontario.ca>  
**Sent:** Friday, October 22, 2021 12:55 PM  
**To:** Sylvia Waters  
**Cc:** Ray Bacquie; Deanna De Forest  
**Subject:** RE: MCEA - Warden Avenue and Kenney Road from Major Mackenzie Drive to Elgin Mills Road, in City of Markham, York Region - Indigenous Communities Inquiry

Hi Sylvia,

Please see below the list of Indigenous communities for this project. MECP will provide the formal Letter of Acknowledgement in response to the Notice of Commencement once received.

- The following Williams Treaties Communities with a copy to the Williams Treaties Coordinator Karry Sandy McKenzie:
  - Chippewas of Georgina Island First Nation
  - Chippewas of Rama First Nation (Mnjikaning)
  - Beausoleil First Nation
  - Curve Lake First Nation
  - Mississaugas of Scugog Island First Nation
  - Hiawatha First Nation
  - Alderville First Nation
- Mississaugas of the Credit First Nation
- Huron-Wendat Nation, if there is potential for the project to impact archeological resources

Please be aware that the Huron-Wendat Nation is to be consulted if there are potential archaeological impacts, but not to the exclusion of the other communities. The other communities are also interested in archaeology.

Thank you,

### Erinn Lee

Regional Environmental Planner | Ministry of the Environment, Conservation and Parks  
Project Review Unit, Environmental Assessment Branch  
135 St. Clair Ave W, Toronto, ON M4V 1P5  
P : 1 (416) 357-1511 E: [Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)



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**From:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>

**Sent:** September 22, 2021 12:47 PM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Cc:** Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>

**Subject:** MCEA - Warden Avenue and Kenney Road from Major Mackenzie Drive to Elgin Mills Road, in City of Markham, York Region - Indigenous Communities Inquiry

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Hello Erinn,

We are contacting the MECP to request confirmation of the recommended list of Indigenous communities to contact as part of a Municipal Class Environmental Assessment (MCEA) for Warden Avenue and Kenney Road from Major Mackenzie Drive to Elgin Mills Road, in City of Markham, York Region (Region). See Study Area map at end of email.

The Region is undertaking a Municipal Class EA Study for improvements to Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, following the recommendations of the Region's 2016 Transportation Master Plan (TMP). Through the Study, York Region will review traffic operations and the need for transportation system and infrastructure improvements, including active transportation, on Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham.

A Notice of Commencement for the project will be provided to the MECP in the near future via the Central Region ([eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)) one window email process along with the Project Information Form.

The Study will follow Schedule C of the MCEA process and will evaluate alternative solutions with consideration for the natural, cultural, economic and technical environments, and recommend a Preferred Solution in consultation with the public, Indigenous communities and regulatory agencies.

Based on our previous project experience in the City of Markham the Study Team understands that the following communities may have an interest in this project:

- Mississaugas of the New Credit First Nation
- Mississaugas of Scugog Island First Nation,
- Curve Lake First Nation,
- Alderville First Nation,
- Hiawatha First Nation
- Williams Treaty Kerry Sandy-McKenzie

Could you please confirm if this list is representative all of the communities which may be interested in the study and should be engaged in regards to this study?



 **BURNSIDE**  
Sylvia Waters  
Technical Administrator, EPA

R.J. Burnside & Associates Limited  
128 Wellington Street West, Suite 301, Barrie, Ontario L4N 8J6  
Office: +1 800-265-9662 Direct Line: +1 705-797-4379  
[www.rjburnside.com](http://www.rjburnside.com)



**COVID 19: We remain open for business**

**The health and safety of our employees and clients is of paramount importance. Most of our staff are working remotely and continue to serve clients using our well established collaborative technology platforms. For our full COVID 19 response please [click here](#).**

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## Sylvia Waters

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**From:** Sylvia Waters  
**Sent:** Thursday, November 25, 2021 3:38 PM  
**To:** eanotification.cregion@ontario.ca  
**Cc:** Deanna De Forest  
**Subject:** 052314-Regional Municipality of York, MCEA Schedule C, Warden Ave. & Kennedy Rd. between Major Mackenzie Dr. and Elgin Mills Rd., City of Markham  
**Attachments:** 21305\_WardenKennedy\_NoticeCommencement FINAL.pdf; 052314\_Warden-Kennedy-MECP-PrjInfoForm.xlsx

Please find attached the EA Project Information Form and Notice of Commencement for Regional Municipality of York, MCEA Schedule C, Studies for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham.





# NOTICE OF STUDY COMMENCEMENT

## Municipal Class Environmental Assessment Study

### Warden Avenue and Kennedy Road Major Mackenzie Drive to Elgin Mills Road

in the City of Markham

The Regional Municipality of York is initiating Schedule 'C' Municipal Class Environmental Assessment (Class EA) Studies for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build on the recommendations from the approved 2016 York Region Transportation Master Plan.



Through the EA studies, York Region examines how to complete the identified infrastructure and active transportation improvements, and to mitigate any environmental impacts.

Information about open houses will be published in this newspaper and posted on [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and York Region's Facebook and Twitter channels.

Public consultation is an important part of the EA study. **York Region welcomes resident and stakeholder input throughout these studies and is seeking community members to form a stakeholder advisory group.** This group will meet at key milestones to provide feedback.

**To submit a comment or question, apply to be a member of a stakeholder advisory group or to be added to the project mailing list, please contact:**

#### York Region Transportation Services

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street

Newmarket, ON L3Y 6Z1

Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

To better assist you, please quote Warden and Kennedy EAs in your inquiry.

The study is being conducted in accordance with Schedule 'C' of the Municipal Class Environmental Assessment document (October 2000 as amended in 2007, 2011 and 2015). Personal information submitted (e.g. name, address, and phone number) is collected, maintained, and disclosed under the authority of the *Environmental Assessment Act* and the *Municipal Freedom of Information and Protection of Privacy Act* for transparency and consultation purposes. Personal information submitted will become part of a public record that is available to the general public unless it is requested that the personal information remain confidential.

An accessible version of this notice is available upon request.

This notice was first issued on November 25, 2021.

Wayne Emmerson

York Region Chairman and CEO

## Sylvia Waters

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**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Thursday, December 09, 2021 4:18 PM  
**To:** 'Lee, Erinn (MECP)'  
**Cc:** Sylvia Waters; Deanna De Forest; Dugas, Celeste (MECP); Potter, Katy (MECP)  
**Subject:** RE: MECP Comments - Notice of Commencement - MCEA Schedule C, Warden Ave & Kennedy Rd between Major Mackenzie Dr and Elgin Mills Rd, City of Markham

Thank you Erinn,

This is the confirmation of receiving the information from MECP.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

Our Mission: Working together to serve our thriving communities – today and tomorrow

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**From:** Lee, Erinn (MECP) <Erinn.Lee2@ontario.ca>  
**Sent:** Thursday, December 9, 2021 12:17 PM  
**To:** Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Sylvia Waters <Sylvia.Waters@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Dugas, Celeste (MECP) <Celeste.Dugas@ontario.ca>; Potter, Katy (MECP) <Katy.Potter@ontario.ca>  
**Subject:** MECP Comments - Notice of Commencement - MCEA Schedule C, Warden Ave & Kennedy Rd between Major Mackenzie Dr and Elgin Mills Rd, City of Markham

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Good afternoon,

Please find attached MECP's Letter of Acknowledgement in response to the Notice of Commencement for the Warden Avenue and Kennedy Road Schedule C MCEA. The list of the Indigenous communities is the same as the list previously provided on October 22, 2021.

Please acknowledge receipt of this email.

Thank you,

### Erinn Lee

Regional Environmental Planner | Ministry of the Environment, Conservation and Parks  
Project Review Unit, Environmental Assessment Branch  
135 St. Clair Ave W, Toronto, ON M4V 1P5  
P : 1 (416) 357-1511 E: [Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)



Ministry of the Environment,  
Conservation and Parks

*Environmental Assessment Branch*

1<sup>st</sup> Floor  
135 St. Clair Avenue W  
Toronto [ON M4V 1P5](#)  
Tel.: 416 314-8001  
Fax.: 416 314-8452

Ministère de l'Environnement, de la  
Protection de la nature et des Parcs

*Direction des évaluations  
environnementales*

Rez-de-chaussée  
135, avenue St. Clair Ouest  
Toronto [ON M4V 1P5](#)  
Tél. : 416 314-8001  
Télééc. : 416 314-8452



December 09, 2021

Edward Chiu, Senior Project Manager (BY EMAIL ONLY)  
Edward.Chiu@york.ca

Re: **Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road  
City of Markham  
Regional Municipality of York  
Municipal Class EA, Schedule C  
Response to Notice of Commencement**

Dear Project Team,

This letter is in response to the Notice of Commencement for the above noted project. The Ministry of the Environment, Conservation and Parks (MECP) acknowledges that the Regional Municipality of York (proponent) has indicated that the study is following the approved environmental planning process for a Schedule C project under the Municipal Class Environmental Assessment (Class EA).

The **updated (February 2021)** attached "Areas of Interest" document provides guidance regarding the ministry's interests with respect to the Class EA process. Please address all areas of interest in the EA documentation at an appropriate level for the EA study. Proponents who address all the applicable areas of interest can minimize potential delays to the project schedule. **Further information is provided at the end of the Areas of Interest document relating to recent changes to the Environmental Assessment Act through Bill 197, Covid-19 Economic Recovery Act 2020.**

The Crown has a legal duty to consult Aboriginal communities when it has knowledge, real or constructive, of the existence or potential existence of an Aboriginal or treaty right and contemplates conduct that may adversely impact that right. Before authorizing this project, the Crown must ensure that its duty to consult has been fulfilled, where such a duty is triggered. Although the duty to consult with Aboriginal peoples is a duty of the Crown, the Crown may delegate procedural aspects of this duty to project proponents while retaining oversight of the consultation process.

The proposed project may have the potential to affect Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982. Where the Crown's duty to consult is triggered in relation to the proposed project, **the MECP is delegating the procedural aspects of rights-based consultation to the proponent through this letter.** The Crown intends to rely on the delegated consultation process in discharging its duty to consult and maintains the right to participate in the consultation process as it sees fit.

Based on information provided to date and the Crown's preliminary assessment the proponent is required to consult with the following communities who have been identified as potentially affected by the proposed project:

- The following Williams Treaties Communities with a copy to the Williams Treaties Coordinator Karry Sandy McKenzie:
  - Chippewas of Georgina Island First Nation
  - Chippewas of Rama First Nation (Mnjikaning)
  - Beausoleil First Nation
  - Curve Lake First Nation
  - Mississaugas of Scugog Island First Nation
  - Hiawatha First Nation
  - Alderville First Nation
- Mississaugas of the Credit First Nation
- Huron-Wendat Nation, if there is potential for the project to impact archeological resources

Please be aware that the Huron-Wendat Nation is to be consulted if there are potential archaeological impacts, but not to the exclusion of the other communities. The other communities are also interested in archaeology.

Steps that the proponent may need to take in relation to Aboriginal consultation for the proposed project are outlined in the "[Code of Practice for Consultation in Ontario's Environmental Assessment Process](#)". Additional information related to Ontario's Environmental Assessment Act is available online at: [www.ontario.ca/environmentalassessments](http://www.ontario.ca/environmentalassessments).

**Please also refer to the attached document "A Proponent's Introduction to the Delegation of Procedural Aspects of consultation with Aboriginal Communities" for further information, including the MECP's expectations for EA report documentation related to consultation with communities.**

The proponent must contact the Director of Environmental Assessment Branch (EABDirector@ontario.ca) under the following circumstances subsequent to initial discussions with the communities identified by MECP:

- Aboriginal or treaty rights impacts are identified to you by the communities
- You have reason to believe that your proposed project may adversely affect an Aboriginal or treaty right
- Consultation with Indigenous communities or other stakeholders has reached an impasse
- A Part II Order request is expected on the basis of impacts to Aboriginal or treaty rights

The MECP will then assess the extent of any Crown duty to consult for the circumstances and will consider whether additional steps should be taken, including what role you will be asked to play should additional steps and activities be required.

**A draft copy of the report should be sent directly to me prior to the filing of the final report, allowing a minimum of 30 days for the ministry's technical reviewers to provide comments.**

**Please also ensure a copy of the final notice is sent to me and the ministry's Central Region EA notification email account (eanotification.cregion@ontario.ca) after the draft report is reviewed and finalized.**

Should you or any members of your project team have any questions regarding the material above, please contact me at Erinn.Lee2@ontario.ca.

Sincerely,



Erinn Lee  
Regional Environmental Planner  
Project Review Unit, Environmental Assessment Branch  
Ontario Ministry of the Environment, Conservation and Parks

cc Katy Potter, Supervisor, Project Review Unit, MECP  
Celeste Dugas, Manager, York-Durham District Office, MECP  
Sylvia Waters, Technical Administrator, R.J. Burnside & Associates Limited  
Deanna De Forest, Senior Environmental Coordinator, R.J. Burnside & Associates Limited

Attach: Areas of Interest  
Client's Guide to Preliminary Screening for Species at Risk  
A Proponent's Introduction to the Delegation of Procedural Aspects of Consultation with  
Aboriginal Communities

## AREAS OF INTEREST (v. February 2021)

*It is suggested that you check off each section after you have considered / addressed it.*

### Planning and Policy

- Projects located in MECP Central Region are subject to [A Place to Grow: Growth Plan for the Greater Golden Horseshoe \(2020\)](#). Parts of the study area may also be subject to the [Oak Ridges Moraine Conservation Plan \(2017\)](#), [Niagara Escarpment Plan \(2017\)](#), [Greenbelt Plan \(2017\)](#) or [Lake Simcoe Protection Plan \(2014\)](#). Applicable plans and the applicable policies should be identified in the report, and the proponent should describe how the proposed project adheres to the relevant policies in these plans.
- The [Provincial Policy Statement \(2020\)](#) contains policies that protect Ontario's natural heritage and water resources. Applicable policies should be referenced in the report, and the proponent should describe how the proposed project is consistent with these policies.
- In addition to the provincial planning and policy level, the report should also discuss the planning context at the municipal and federal levels, as appropriate.

### Source Water Protection

The *Clean Water Act, 2006 (CWA)* aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas have been delineated around surface water intakes and wellheads for every municipal residential drinking water system that is located in a source protection area. These vulnerable areas are known as a Wellhead Protection Areas (WHPAs) and surface water Intake Protection Zones (IPZs). Other vulnerable areas that have been delineated under the CWA include Highly Vulnerable Aquifers (HVAs), Significant Groundwater Recharge Areas (SGRAs), Event-based modelling areas (EBAs), and Issues Contributing Areas (ICAs). Source protection plans have been developed that include policies to address existing and future risks to sources of municipal drinking water within these vulnerable areas.

Projects that are subject to the Environmental Assessment Act that fall under a Class EA, or one of the Regulations, have the potential to impact sources of drinking water if they occur in designated vulnerable areas or in the vicinity of other at-risk drinking water systems (i.e. systems that are not municipal residential systems). MEA Class EA projects may include activities that, if located in a vulnerable area, could be a threat to sources of drinking water (i.e. have the potential to adversely affect the quality or quantity of drinking water sources) and the activity could therefore be subject to policies in a source protection plan. Where an activity poses a risk to drinking water, policies in the local source protection plan may impact how or where that activity is undertaken. Policies may prohibit certain activities, or they may require risk management measures for these activities. Municipal Official Plans, planning decisions, Class EA projects (where the project includes an activity that is a threat to drinking water) and prescribed instruments must conform with policies that address significant risks to drinking water and must have regard for policies that address moderate or low risks.

- In October 2015, the MEA Parent Class EA document was amended to include reference to the Clean Water Act (Section A.2.10.6) and indicates that proponents undertaking a Municipal Class EA project must identify early in their process whether a project is or could potentially be occurring with a vulnerable area. **Given this requirement, please include a section in the report on source water protection.**
  - The proponent should identify the source protection area and should clearly document how the proximity of the project to sources of drinking water (municipal or other) and any delineated vulnerable areas was considered and assessed. Specifically, the report should

discuss whether or not the project is located in a vulnerable area and provide applicable details about the area.

- If located in a vulnerable area, proponents should document whether any project activities are prescribed drinking water threats and thus pose a risk to drinking water (this should be consulted on with the appropriate Source Protection Authority). Where an activity poses a risk to drinking water, the proponent must document and discuss in the report how the project adheres to or has regard to applicable policies in the local source protection plan. This section should then be used to inform and be reflected in other sections of the report, such as the identification of net positive/negative effects of alternatives, mitigation measures, evaluation of alternatives etc.
- While most source protection plans focused on including policies for significant drinking water threats in the WHPAs and IPZs it should be noted that even though source protection plan policies may not apply in HVAs, these are areas where aquifers are sensitive and at risk to impacts and within these areas, activities may impact the quality of sources of drinking water for systems other than municipal residential systems.
- In order to determine if this project is occurring within a vulnerable area, proponents can use this mapping tool: <http://www.applications.ene.gov.on.ca/swp/en/index.php>. Note that various layers (including WHPAs, WHPA-Q1 and WHPA-Q2, IPZs, HVAs, SGRAs, EBAs, ICAs) can be turned on through the “Map Legend” bar on the left. The mapping tool will also provide a link to the appropriate source protection plan in order to identify what policies may be applicable in the vulnerable area.
- For further information on the maps or source protection plan policies which may relate to their project, proponents must contact the appropriate source protection authority. **Please consult with the local source protection authority to discuss potential impacts on drinking water. Please document the results of that consultation within the report and include all communication documents/correspondence.**

#### More Information

For more information on the *Clean Water Act*, source protection areas and plans, including specific information on the vulnerable areas and drinking water threats, please refer to [Conservation Ontario's website](#) where you will also find links to the local source protection plan/assessment report.

A list of the prescribed drinking water threats can be found in [section 1.1 of Ontario Regulation 287/07](#) made under the *Clean Water Act*. In addition to prescribed drinking water threats, some source protection plans may include policies to address additional “local” threat activities, as approved by the MECP.

#### **Climate Change**

The document "[Considering Climate Change in the Environmental Assessment Process](#)" (Guide) is now a part of the Environmental Assessment program's Guides and Codes of Practice. The Guide sets out the MECP's expectation for considering climate change in the preparation, execution and documentation of environmental assessment studies and processes. The guide provides examples, approaches, resources, and references to assist proponents with consideration of climate change in EA. Proponents should review this Guide in detail.

#### ● **The MECP expects proponents of Class EA projects to:**

1. Consider during the assessment of alternative solutions and alternative designs, the following:
  - a. the project's expected production of greenhouse gas emissions and impacts on carbon sinks (climate change mitigation); and

- b. resilience or vulnerability of the undertaking to changing climatic conditions (climate change adaptation).
2. Include a discrete section in the report detailing how climate change was considered in the EA.

How climate change is considered can be qualitative or quantitative in nature and should be scaled to the project's level of environmental effect. In all instances, both a project's impacts on climate change (mitigation) and impacts of climate change on a project (adaptation) should be considered.

#### □ **Air Quality, Dust and Noise**

- If there are sensitive receptors in the surrounding area of this project, a quantitative air quality/odour impact assessment will be useful to evaluate alternatives, determine impacts and identify appropriate mitigation measures. The scope of the assessment can be determined based on the potential effects of the proposed alternatives, and typically includes source and receptor characterization and a quantification of local air quality impacts on the sensitive receptors and the environment in the study area. The assessment will compare to all applicable standards or guidelines for all contaminants of concern. **Please contact this office for further consultation on the level of Air Quality Impact Assessment required for this project if not already advised.**
- If a quantitative Air Quality Impact Assessment is not required for the project, the MECP expects that the report contain a qualitative assessment which includes:
  - A discussion of local air quality including existing activities/sources that significantly impact local air quality and how the project may impact existing conditions;
  - A discussion of the nearby sensitive receptors and the project's potential air quality impacts on present and future sensitive receptors;
  - A discussion of local air quality impacts that could arise from this project during both construction and operation; and
  - A discussion of potential mitigation measures.
- As a common practice, "air quality" should be used an evaluation criterion for all road projects.
- Dust and noise control measures should be addressed and included in the construction plans to ensure that nearby residential and other sensitive land uses within the study area are not adversely affected during construction activities.
- The MECP recommends that non-chloride dust-suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to [Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities](#) report prepared for Environment Canada. March 2005.
- The report should consider the potential impacts of increased noise levels during the operation of the completed project. The proponent should explore all potential measures to mitigate significant noise impacts during the assessment of alternatives.

#### □ **Ecosystem Protection and Restoration**

- Any impacts to ecosystem form and function must be avoided where possible. The report should describe any proposed mitigation measures and how project planning will protect and enhance the local ecosystem.
- Natural heritage and hydrologic features should be identified and described in detail to assess potential impacts and to develop appropriate mitigation measures. The following sensitive environmental features may be located within or adjacent to the study area:



- Key Natural Heritage Features: Habitat of endangered species and threatened species, fish habitat, wetlands, areas of natural and scientific interest (ANSIs), significant valleylands, significant woodlands; significant wildlife habitat (including habitat of special concern species); sand barrens, savannahs, and tallgrass prairies; and alvars.
  - Key Hydrologic Features: Permanent streams, intermittent streams, inland lakes and their littoral zones, seepage areas and springs, and wetlands.
  - Other natural heritage features and areas such as: vegetation communities, rare species of flora or fauna, Environmentally Sensitive Areas, Environmentally Sensitive Policy Areas, federal and provincial parks and conservation reserves, Greenland systems etc.
- We recommend consulting with the Ministry of Natural Resources and Forestry (MNRF), Fisheries and Oceans Canada (DFO) and your local conservation authority to determine if special measures or additional studies will be necessary to preserve and protect these sensitive features. In addition, you may consider the provisions of the Rouge Park Management Plan if applicable.

#### □ **Species at Risk**

- The Ministry of the Environment, Conservation and Parks has now assumed responsibility of Ontario's Species at Risk program. Information, standards, guidelines, reference materials and technical resources to assist you are found at <https://www.ontario.ca/page/species-risk>.
- The Client's Guide to Preliminary Screening for Species at Risk (Draft May 2019) has been attached to the covering email for your reference and use. Please review this document for next steps.
- For any questions related to subsequent permit requirements, please contact [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca).

#### □ **Surface Water**

- The report must include enough information to demonstrate that there will be no negative impacts on the natural features or ecological functions of any watercourses within the study area. Measures should be included in the planning and design process to ensure that any impacts to watercourses from construction or operational activities (e.g. spills, erosion, pollution) are mitigated as part of the proposed undertaking.
- Additional stormwater runoff from new pavement can impact receiving watercourses and flood conditions. Quality and quantity control measures to treat stormwater runoff should be considered for all new impervious areas and, where possible, existing surfaces. The ministry's [Stormwater Management Planning and Design Manual \(2003\)](#) should be referenced in the report and utilized when designing stormwater control methods. **A Stormwater Management Plan should be prepared as part of the Class EA process** that includes:
  - Strategies to address potential water quantity and erosion impacts related to stormwater draining into streams or other sensitive environmental features, and to ensure that adequate (enhanced) water quality is maintained
  - Watershed information, drainage conditions, and other relevant background information
  - Future drainage conditions, stormwater management options, information on erosion and sediment control during construction, and other details of the proposed works
  - Information on maintenance and monitoring commitments.

- Any potential approval requirements for surface water taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 L/day, except for certain water taking activities that have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the [Water Taking User Guide for EASR](#) for more information. Additionally, an Environmental Compliance Approval under the OWRA is required for municipal stormwater management works.

#### **Groundwater**

- The status of, and potential impacts to any well water supplies should be addressed. If the project involves groundwater takings or changes to drainage patterns, the quantity and quality of groundwater may be affected due to drawdown effects or the redirection of existing contamination flows. In addition, project activities may infringe on existing wells such that they must be reconstructed or sealed and abandoned. Appropriate information to define existing groundwater conditions should be included in the report.
- If the potential construction or decommissioning of water wells is identified as an issue, the report should refer to Ontario Regulation 903, Wells, under the OWRA.
- Potential impacts to groundwater-dependent natural features should be addressed. Any changes to groundwater flow or quality from groundwater taking may interfere with the ecological processes of streams, wetlands or other surficial features. In addition, discharging contaminated or high volumes of groundwater to these features may have direct impacts on their function. Any potential effects should be identified, and appropriate mitigation measures should be recommended. The level of detail required will be dependent on the significance of the potential impacts.
- Any potential approval requirements for groundwater taking or discharge should be identified in the report. A Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 L/day, with the exception of certain water taking activities that have been prescribed by the Water Taking EASR Regulation – *O. Reg. 63/16*. These prescribed water-taking activities require registration in the EASR instead of a PTTW. Please review the [Water Taking User Guide for EASR](#) for more information.
- Consultation with the railroad authorities is necessary wherever there is a plan to use construction dewatering in the vicinity of railroad lines or where the zone of influence of the construction dewatering potentially intercepts railroad lines.

#### **Excess Materials Management**

- In December 2019, MECP released a new regulation under the Environmental Protection Act, titled "[On-Site and Excess Soil Management](#)" (*O. Reg. 406/19*) to support improved management of excess construction soil. This regulation is a key step to support proper management of excess soils, ensuring valuable resources don't go to waste and to provide clear rules on managing and reusing excess soil. New risk-based standards referenced by this regulation help to facilitate local beneficial reuse which in turn will reduce greenhouse gas emissions from soil transportation, while ensuring strong protection of human health and the environment. The new regulation is being phased in over time, with the first phase in effect on January 1, 2021. For more information, please visit <https://www.ontario.ca/page/handling-excess-soil>.

- The report should reference that activities involving the management of excess soil should be completed in accordance with O. Reg. 406/19 and the MECP's current guidance document titled "[Management of Excess Soil – A Guide for Best Management Practices](#)" (2014).
- All waste generated during construction must be disposed of in accordance with ministry requirements

#### □ **Contaminated Sites**

- Any current or historical waste disposal sites should be identified in the report. The status of these sites should be determined to confirm whether approval pursuant to Section 46 of the EPA may be required for land uses on former disposal sites. We recommend referring to the [MECP's D-4 guideline](#) for land use considerations near landfills and dumps.
  - Resources available may include regional/local municipal official plans and data; provincial data on [large landfill sites](#) and [small landfill sites](#); Environmental Compliance Approval information for waste disposal sites on [Access Environment](#).
- Other known contaminated sites (local, provincial, federal) in the study area should also be identified in the report (Note – information on federal contaminated sites is found on the Government of Canada's [website](#)).
- The location of any underground storage tanks should be investigated in the report. Measures should be identified to ensure the integrity of these tanks and to ensure an appropriate response in the event of a spill. The ministry's Spills Action Centre must be contacted in such an event.
- Since the removal or movement of soils may be required, appropriate tests to determine contaminant levels from previous land uses or dumping should be undertaken. If the soils are contaminated, you must determine how and where they are to be disposed of, consistent with *Part XV.1 of the Environmental Protection Act* (EPA) and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. Please contact the appropriate MECP District Office for further consultation if contaminated sites are present.

#### □ **Servicing, Utilities and Facilities**

- The report should identify any above or underground utilities in the study area such as transmission lines, telephone/internet, oil/gas etc. The owners should be consulted to discuss impacts to this infrastructure, including potential spills.
- The report should identify any servicing infrastructure in the study area such as wastewater, water, stormwater that may potentially be impacted by the project.
- Any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste must have an Environmental Compliance Approval (ECA) before it can operate lawfully. Please consult with MECP's Environmental Permissions Branch to determine whether a new or amended ECA will be required for any proposed infrastructure.

- We recommend referring to the ministry's [environmental land use planning guides](#) to ensure that any potential land use conflicts are considered when planning for any infrastructure or facilities related to wastewater, pipelines, landfills or industrial uses.

#### □ **Mitigation and Monitoring**

- Contractors must be made aware of all environmental considerations so that all environmental standards and commitments for both construction and operation are met. Mitigation measures should be clearly referenced in the report and regularly monitored during the construction stage of the project. In addition, we encourage proponents to conduct post-construction monitoring to ensure all mitigation measures have been effective and are functioning properly.
- Design and construction reports and plans should be based on a best management approach that centres on the prevention of impacts, protection of the existing environment, and opportunities for rehabilitation and enhancement of any impacted areas.
- The proponent's construction and post-construction monitoring plans must be documented in the report, as outlined in Section A.2.5 and A.4.1 of the MEA Class EA parent document.

#### □ **Consultation**

- The report must demonstrate how the consultation provisions of the Class EA have been fulfilled, including documentation of all stakeholder consultation efforts undertaken during the planning process. This includes a discussion in the report that identifies concerns that were raised and **describes how they have been addressed by the proponent** throughout the planning process. The report should also include copies of comments submitted on the project by interested stakeholders, and the proponent's responses to these comments (as directed by the Class EA to include full documentation).
- Please include the full stakeholder distribution/consultation list in the documentation.

#### □ **Class EA Process**

- The report should provide clear and complete documentation of the planning process in order to allow for transparency in decision-making.
- The Class EA requires the consideration of the effects of each alternative on all aspects of the environment (including planning, natural, social, cultural, economic, technical). The report should include a level of detail (e.g. hydrogeological investigations, terrestrial and aquatic assessments, cultural heritage assessments) such that all potential impacts can be identified, and appropriate mitigation measures can be developed. Any supporting studies conducted during the Class EA process should be referenced and included as part of the report.
- Please include in the report a list of all subsequent permits or approvals that may be required for the implementation of the preferred alternative, including but not limited to, MECP's PTTW, EASR Registrations and ECAs, conservation authority permits, species at risk permits, MTO permits and approvals under the *Impact Assessment Act, 2019*.

- Ministry guidelines and other information related to the issues above are available at <http://www.ontario.ca/environment-and-energy/environment-and-energy>. We encourage you to review all the available guides and to reference any relevant information in the report.

### **Amendments to the EAA through the Covid-19 Economic Recovery Act, 2020**

Once the EA Report is finalized, the proponent must issue a Notice of Completion providing a minimum 30-day period during which documentation may be reviewed and comment and input can be submitted to the proponent. The Notice of Completion must be sent to the appropriate MECP Regional Office email address (for projects in MECP Central Region, the email is [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)).

The public has the ability to request a higher level of assessment on a project if they are concerned about potential adverse impacts to constitutionally protected Aboriginal and treaty rights. In addition, the Minister may issue an order on his or her own initiative within a specified time period. The Director (of the Environmental Assessment Branch) will issue a Notice of Proposed Order to the proponent if the Minister is considering an order for the project within 30 days after the conclusion of the comment period on the Notice of Completion. At this time, the Director may request additional information from the proponent. Once the requested information has been received, the Minister will have 30 days within which to make a decision or impose conditions on your project.

Therefore, the proponent cannot proceed with the project until at least 30 days after the end of the comment period provided for in the Notice of Completion. Further, the proponent may not proceed after this time if:

- a Part II Order request has been submitted to the ministry regarding potential adverse impacts to constitutionally protected Aboriginal and treaty rights, or
- the Director has issued a Notice of Proposed order regarding the project.

Please ensure that the Notice of Completion advises that outstanding concerns are to be directed to the proponent for a response, and that in the event there are outstanding concerns regarding potential adverse impacts to constitutionally protected Aboriginal and treaty rights, Part II Order requests on those matters should be addressed in writing to:

Minister Jeff Yurek  
Ministry of Environment, Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto ON M7A 2J3  
[minister.mecp@ontario.ca](mailto:minister.mecp@ontario.ca)

and

Director, Environmental Assessment Branch  
Ministry of Environment, Conservation and Parks  
135 St. Clair Ave. W, 1st Floor  
Toronto ON, M4V 1P5  
[EABDirector@ontario.ca](mailto:EABDirector@ontario.ca)

## A PROPONENT'S INTRODUCTION TO THE DELEGATION OF PROCEDURAL ASPECTS OF CONSULTATION WITH ABORIGINAL COMMUNITIES

### DEFINITIONS

The following definitions are specific to this document and may not apply in other contexts:

**Aboriginal communities** – the First Nation or Métis communities identified by the Crown for the purpose of consultation.

**Consultation** – the Crown's legal obligation to consult when the Crown has knowledge of an established or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. This is the type of consultation required pursuant to s. 35 of the *Constitution Act, 1982*. Note that this definition does not include consultation with Aboriginal communities for other reasons, such as regulatory requirements.

**Crown** – the Ontario Crown, acting through a particular ministry or ministries.

**Procedural aspects of consultation** – those portions of consultation related to the process of consultation, such as notifying an Aboriginal community about a project, providing information about the potential impacts of a project, responding to concerns raised by an Aboriginal community and proposing changes to the project to avoid negative impacts.

**Proponent** – the person or entity that wants to undertake a project and requires an Ontario Crown decision or approval for the project.

### I. PURPOSE

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that may adversely impact that right. In outlining a framework for the duty to consult, the Supreme Court of Canada has stated that the Crown may delegate procedural aspects of consultation to third parties. This document provides general information about the Ontario Crown's approach to delegation of the procedural aspects of consultation to proponents.

This document is not intended to instruct a proponent about an individual project, and it does not constitute legal advice.

### II. WHY IS IT NECESSARY TO CONSULT WITH ABORIGINAL COMMUNITIES?

The objective of the modern law of Aboriginal and treaty rights is the *reconciliation* of Aboriginal peoples and non-Aboriginal peoples and their respective rights, claims and interests. Consultation is an important component of the reconciliation process.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. For example, the Crown's duty to consult is triggered when it considers issuing a permit, authorization or approval for a project which has the potential to adversely impact an Aboriginal right, such as the right to hunt, fish, or trap in a particular area.



The scope of consultation required in particular circumstances ranges across a spectrum depending on both the nature of the asserted or established right and the seriousness of the potential adverse impacts on that right.

Depending on the particular circumstances, the Crown may also need to take steps to accommodate the potentially impacted Aboriginal or treaty right. For example, the Crown may be required to avoid or minimize the potential adverse impacts of the project.

### **III. THE CROWN'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS**

The Crown has the responsibility for ensuring that the duty to consult, and accommodate where appropriate, is met. However, the Crown may delegate the procedural aspects of consultation to a proponent.

There are different ways in which the Crown may delegate the procedural aspects of consultation to a proponent, including through a letter, a memorandum of understanding, legislation, regulation, policy and codes of practice.

If the Crown decides to delegate procedural aspects of consultation, the Crown will generally:

- Ensure that the delegation of procedural aspects of consultation and the responsibilities of the proponent are clearly communicated to the proponent;
- Identify which Aboriginal communities must be consulted;
- Provide contact information for the Aboriginal communities;
- Revise, as necessary, the list of Aboriginal communities to be consulted as new information becomes available and is assessed by the Crown;
- Assess the scope of consultation owed to the Aboriginal communities;
- Maintain appropriate oversight of the actions taken by the proponent in fulfilling the procedural aspects of consultation;
- Assess the adequacy of consultation that is undertaken and any accommodation that may be required;
- Provide a contact within any responsible ministry in case issues arise that require direction from the Crown; and
- Participate in the consultation process as necessary and as determined by the Crown.

### **IV. THE PROPONENT'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS**

Where aspects of the consultation process have been delegated to a proponent, the Crown, in meeting its duty to consult, will rely on the proponent's consultation activities and documentation of those activities. The consultation process informs the Crown's decision of whether or not to approve a proposed project or activity.

A proponent's role and responsibilities will vary depending on a variety of factors including the extent of consultation required in the circumstance and the procedural aspects of consultation the Crown has delegated to it. Proponents are often in a better position than the Crown to discuss a project and its potential impacts with Aboriginal communities and to determine ways to avoid or minimize the adverse impacts of a project.

A proponent can raise issues or questions with the Crown at any time during the consultation process. If issues or concerns arise during the consultation that cannot be addressed by the proponent, the proponent should contact the Crown.

**a) What might a proponent be required to do in carrying out the procedural aspects of consultation?**

Where the Crown delegates procedural aspects of consultation, it is often the proponent's responsibility to provide notice of the proposed project to the identified Aboriginal communities. The notice should indicate that the Crown has delegated the procedural aspects of consultation to the proponent and should include the following information:

- a description of the proposed project or activity;
- mapping;
- proposed timelines;
- details regarding anticipated environmental and other impacts;
- details regarding opportunities to comment; and
- any changes to the proposed project that have been made for seasonal conditions or other factors, where relevant.

Proponents should provide enough information and time to allow Aboriginal communities to provide meaningful feedback regarding the potential impacts of the project. Depending on the nature of consultation required for a project, a proponent also may be required to:

- provide the Crown with copies of any consultation plans prepared and an opportunity to review and comment;
- ensure that any necessary follow-up discussions with Aboriginal communities take place in a timely manner, including to confirm receipt of information, share and update information and to address questions or concerns that may arise;
- as appropriate, discuss with Aboriginal communities potential mitigation measures and/or changes to the project in response to concerns raised by Aboriginal communities;
- use language that is accessible and not overly technical, and translate material into Aboriginal languages where requested or appropriate;
- bear the reasonable costs associated with the consultation process such as, but not limited to, meeting hall rental, meal costs, document translation(s), or to address technical & capacity issues;
- provide the Crown with all the details about potential impacts on established or asserted Aboriginal or treaty rights, how these concerns have been considered and addressed by the proponent and the Aboriginal communities and any steps taken to mitigate the potential impacts;
- provide the Crown with complete and accurate documentation from these meetings and communications; and
- notify the Crown immediately if an Aboriginal community not identified by the Crown approaches the proponent seeking consultation opportunities.

**b) What documentation and reporting does the Crown need from the proponent?**

Proponents should keep records of all communications with the Aboriginal communities involved in the consultation process and any information provided to these Aboriginal communities.

As the Crown is required to assess the adequacy of consultation, it needs documentation to satisfy itself that the proponent has fulfilled the procedural aspects of consultation delegated to it. The documentation required would typically include:

- the date of meetings, the agendas, any materials distributed, those in attendance and copies of any minutes prepared;
- the description of the proposed project that was shared at the meeting;
- any and all concerns or other feedback provided by the communities;
- any information that was shared by a community in relation to its asserted or established Aboriginal or treaty rights and any potential adverse impacts of the proposed activity, approval or disposition on such rights;
- any proposed project changes or mitigation measures that were discussed, and feedback from Aboriginal communities about the proposed changes and measures;
- any commitments made by the proponent in response to any concerns raised, and feedback from Aboriginal communities on those commitments;
- copies of correspondence to or from Aboriginal communities, and any materials distributed electronically or by mail;
- information regarding any financial assistance provided by the proponent to enable participation by Aboriginal communities in the consultation;
- periodic consultation progress reports or copies of meeting notes if requested by the Crown;
- a summary of how the delegated aspects of consultation were carried out and the results; and
- a summary of issues raised by the Aboriginal communities, how the issues were addressed and any outstanding issues.

In certain circumstances, the Crown may share and discuss the proponent's consultation record with an Aboriginal community to ensure that it is an accurate reflection of the consultation process.

**c) Will the Crown require a proponent to provide information about its commercial arrangements with Aboriginal communities?**

The Crown may require a proponent to share information about aspects of commercial arrangements between the proponent and Aboriginal communities where the arrangements:

- include elements that are directed at mitigating or otherwise addressing impacts of the project;
- include securing an Aboriginal community's support for the project; or
- may potentially affect the obligations of the Crown to the Aboriginal communities.

The proponent should make every reasonable effort to exempt the Crown from confidentiality provisions in commercial arrangements with Aboriginal communities to the extent necessary to allow this information to be shared with the Crown.

The Crown cannot guarantee that information shared with the Crown will remain confidential. Confidential commercial information should not be provided to the Crown as part of the consultation record if it is not relevant to the duty to consult or otherwise required to be submitted to the Crown as part of the regulatory process.

## **V. WHAT ARE THE ROLES AND RESPONSIBILITIES OF ABORIGINAL COMMUNITIES' IN THE CONSULTATION PROCESS?**

Like the Crown, Aboriginal communities are expected to engage in consultation in good faith. This includes:

- responding to the consultation notice;
- engaging in the proposed consultation process;
- providing relevant documentation;
- clearly articulating the potential impacts of the proposed project on Aboriginal or treaty rights; and
- discussing ways to mitigate any adverse impacts.

Some Aboriginal communities have developed tools, such as consultation protocols, policies or processes that provide guidance on how they would prefer to be consulted. Although not legally binding, proponents are encouraged to respect these community processes where it is reasonable to do so. Please note that there is no obligation for a proponent to pay a fee to an Aboriginal community in order to enter into a consultation process.

To ensure that the Crown is aware of existing community consultation protocols, proponents should contact the relevant Crown ministry when presented with a consultation protocol by an Aboriginal community or anyone purporting to be a representative of an Aboriginal community.

## **VI. WHAT IF MORE THAN ONE PROVINCIAL CROWN MINISTRY IS INVOLVED IN APPROVING A PROPONENT'S PROJECT?**

Depending on the project and the required permits or approvals, one or more ministries may delegate procedural aspects of the Crown's duty to consult to the proponent. The proponent may contact individual ministries for guidance related to the delegation of procedural aspects of consultation for ministry-specific permits/approvals required for the project in question. Proponents are encouraged to seek input from all involved Crown ministries sooner rather than later.

***Client's Guide to Preliminary Screening for Species at Risk***

***Ministry of the Environment, Conservation and Parks  
Species at Risk Branch, Permissions and Compliance***

***DRAFT - May 2019***

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## 1.0 Purpose, Scope, Background and Context

### 1.1 Purpose of this Guide

This guide has been created to:

- help clients better understand their obligation to gather information and complete a preliminary screening for species at risk before contacting the ministry,
- outline guidance and advice clients can expect to receive from the ministry at the preliminary screening stage,
- help clients understand how they can gather information about species at risk by accessing publicly available information housed by the Government of Ontario, and
- provide a list of other potential sources of species at risk information that exist outside the Government of Ontario.

It remains the client's responsibility to:

- carry out a preliminary screening for their projects,
- obtain best available information from all applicable information sources,
- conduct any necessary field studies or inventories to identify and confirm the presence or absence of species at risk or their habitat,
- consider any potential impacts to species at risk that a proposed activity might cause, and
- comply with the *Endangered Species Act (ESA)*.

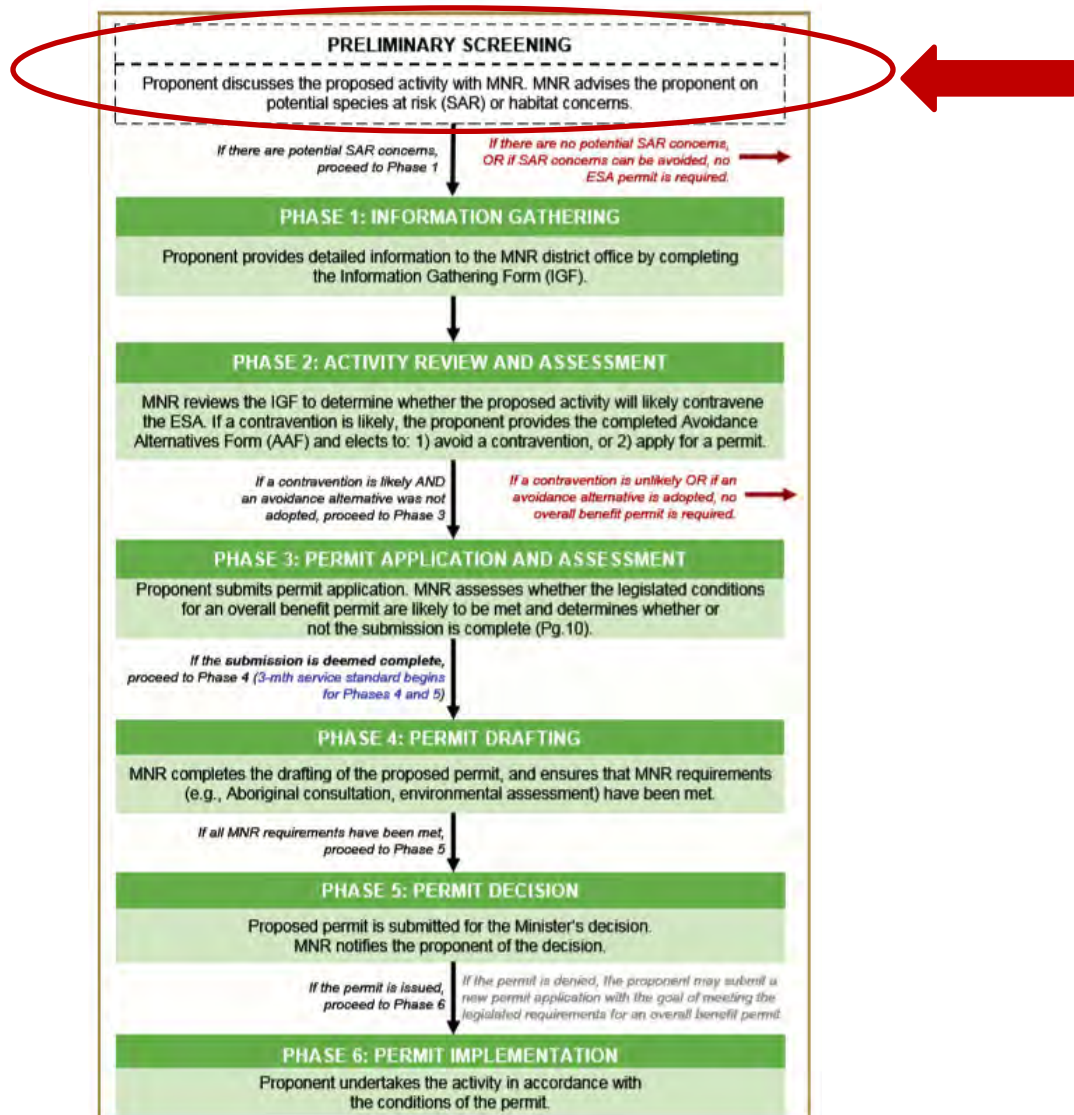
**To provide the most efficient service, clients should initiate species at risk screenings and seek information from all applicable information sources identified in this guide, at a minimum, prior to contacting Government of Ontario ministry offices for further information or advice.**

### 1.2 Scope

This guide is a resource for clients seeking to understand if their activity is likely to impact species at risk or if they are likely to trigger the need for an authorization under the ESA. It is not intended to circumvent any detailed site surveys that may be necessary to document species at risk or their habitat nor to circumvent the need to assess the impacts of a proposed activity on species at risk or their habitat. This guide is not an exhaustive list of available information sources for any given area as the availability of information on species at risk and their habitat varies across the province. This guide is intended to support projects and activities carried out on Crown and private land, by private landowners, businesses, other provincial ministries and agencies, or municipal government.

### 1.3 Background and Context

To receive advice on their proposed activity, clients must first determine whether any species at risk or their habitat exist or are likely to exist at or near their proposed activity, and whether their proposed activity is likely to contravene the ESA. Once this step is complete, clients may contact the ministry at [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca) to discuss the main purpose, general methods, timing and location of their proposed activity as well as information obtained about species at risk and their habitat at, or near, the site. At this stage, the ministry can provide advice and guidance to the client about potential species at risk or habitat concerns, measures that the client is considering to avoid adverse effects on species at risk or their habitat and whether additional field surveys are advisable. This is referred to as the “Preliminary Screening” stage. For more information on additional phases in the diagram below, please refer to the *Endangered Species Act Submission Standards for Activity Review and 17(2)(c) Overall Benefit Permits* policy available online at <https://www.ontario.ca/page/species-risk-overall-benefit-permits>



## 2.0 Roles and Responsibilities

To provide the most efficient service, clients should initiate species at risk screenings and seek information from all applicable information sources identified in this guide prior to contacting Government of Ontario ministry offices for further information or advice.

**Step 1:** Client seeks information regarding species at risk or their habitat that exist, or are likely to exist, at or near their proposed activity by referring to all applicable information sources identified in this guide.

**Step 2:** Client reviews and consider guidance on whether their proposed activity is likely to contravene the ESA (see section 3.4 of this guide for guidance on what to consider).

**Step 3:** Client gathers information identified in the checklist in section 4 of this guide.

**Step 4:** Client contacts the ministry at [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca) to discuss their preliminary screening. Ministry staff will ask the client questions about the main purpose, general methods, timing and location of their proposed activity as well as information obtained about species at risk and their habitat at, or near, the site. Ministry staff will also ask the client for their interpretation of the impacts of their activity on species at risk or their habitat as well as measures the client has considered to avoid any adverse impacts.

**Step 5:** Ministry staff will provide advice on next steps.

**Option A:** Ministry staff may advise the client they can proceed with their activity without an authorization under the ESA where the ministry is confident that:

- no protected species at risk or habitats are likely to be present at or near the proposed location of the activity; or
- protected species at risk or habitats are known to be present but the activity is not likely to contravene the ESA; or
- through the adoption of avoidance measures, the modified activity is not likely to contravene the ESA.

**Option B:** Ministry staff may advise the client to proceed to Phase 1 of the overall benefit permitting process (i.e. Information Gathering in the previous diagram), where:

- there is uncertainty as to whether any protected species at risk or habitats are present at or near the proposed location of the activity; or
- the potential impacts of the proposed activity are uncertain; or
- ministry staff anticipate the proposed activity is likely to contravene the ESA.

### 3.0 Information Sources

Land Information Ontario (LIO) and the Natural Heritage Information Centre (NHIC) maintain and provide information about species at risk, as well as related information about fisheries, wildlife, crown lands, protected lands and more. This information is made available to organizations, private individuals, consultants, and developers through online sources and is often considered under various pieces of legislation or as part of regulatory approvals and planning processes.

The information available from LIO or NHIC and the sources listed in this guide should not be considered as a substitute for site visits and appropriate field surveys. Generally, this information can be regarded as a starting point from which to conduct further field surveys, if needed. While this data represents best available current information, it is important to note that a lack of information for a site does not mean that species at risk or their habitat are not present. There are many areas where the Government of Ontario does not currently have information, especially in more remote parts of the province. The absence of species at risk location data at or near your site does not necessarily mean no species at risk are present at that location. On-site assessments can better verify site conditions, identify and confirm presence of species at risk and/or their habitats.

Information on the location (i.e. observations and occurrences) of species at risk is considered sensitive and therefore publicly available only on a 1km square grid as opposed to as a detailed point on a map. This generalized information can help you understand which species at risk are in the general vicinity of your proposed activity and can help inform field level studies you may want to undertake to confirm the presence, or absence of species at risk at or near your site.

Should you require specific and detailed information pertaining to species at risk observations and occurrences at or near your site on a finer geographic scale; you will be required to demonstrate your need to access this information, to complete data sensitivity training and to obtain a Sensitive Data Use License from the NHIC. Information on how to obtain a license can be found online at <https://www.ontario.ca/page/get-natural-heritage-information>.

Many organizations (e.g. other Ontario ministries, municipalities, conservation authorities) have ongoing licensing to access this data so be sure to check if your organization has this access and consult this data as part of your preliminary screening if your organization already has a license.

### 3.1 Make a Map: Natural Heritage Areas

The Make a Natural Heritage Area Map (available online at [http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR\\_NHLUPS\\_NaturalHeritage&viewer=NaturalHeritage&locale=en-US](http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US)) provides public access to natural heritage information, including species at risk, without the user needing to have Geographic Information System (GIS) capability. It allows users to view and identify generalized species at risk information, mark areas of interest, and create and print a custom map directly from the web application. The tool also shows topographic information such as roads, rivers, contours and municipal boundaries.

Users are advised that sensitive information has been removed from the natural areas dataset and the occurrences of species at risk has been generalized to a 1-kilometre grid to mitigate the risks to the species (e.g. illegal harvest, habitat disturbance, poaching).

The web-based mapping tool displays natural heritage data, including:

- Generalized Species at risk occurrence data (based on a 1-km square grid),
- Natural Heritage Information Centre data.

Data cannot be downloaded directly from this web map; however, information included in this application is available digitally through Land Information Ontario (LIO) at <https://www.ontario.ca/page/land-information-ontario>.

### 3.2 Land Information Ontario (LIO)

Most natural heritage data is publicly available. This data is managed in a large provincial corporate database called the LIO Warehouse and can be accessed online through the LIO Metadata Management Tool at <https://www.javacoeapp.lrc.gov.on.ca/geonetwork/srv/en/main.home>. This tool provides descriptive information about the characteristics, quality and context of the data. Publicly available geospatial data can be downloaded directly from this site.

While most data are publicly available, some data may be considered highly sensitive (i.e. nursery areas for fish, species at risk observations) and as such, access to some data maybe restricted.

### 3.3 Additional Species at Risk Information Sources

- The Breeding Bird Atlas can be accessed online at <http://www.birdsontario.org/atlas/index.jsp?lang=en>
- eBird can be accessed online at <https://ebird.org/home>
- iNaturalist can be accessed online at <https://www.inaturalist.org/>
- The Ontario Reptile and Amphibian Atlas can be accessed online at <https://ontarionature.org/programs/citizen-science/reptile-amphibian-atlas>
- Your local Conservation Authority. Information to help you find your local Conservation Authority can be accessed online at <https://conservationontario.ca/conservation-authorities/find-a-conservation-authority/>

Local naturalist groups or other similar community-based organizations

- Local Indigenous communities
- Local land trusts or other similar Environmental Non-Government Organizations
- Field level studies to identify if species at risk, or their habitat, are likely present or absent at or near the site.
- When an activity is proposed within one of the continuous caribou ranges, please be sure to consider the caribou Range Management Policy. This policy includes figures and maps of the continuous caribou range, can be found online at <https://www.ontario.ca/page/range-management-policy-support-woodland-caribou-conservation-and-recovery>

### 3.4 Information Sources to Support Impact Assessments

- Guidance to help you understand if your activity is likely to adversely impact species at risk or their habitat can be found online at <https://www.ontario.ca/page/policy-guidance-harm-and-harass-under-endangered-species-act> and <https://www.ontario.ca/page/categorizing-and-protecting-habitat-under-endangered-species-act>
- A list of species at risk in Ontario is available online at <https://www.ontario.ca/page/species-risk-ontario>. On this webpage, you can find out more about each species, including where it lives, what threatens it and any specific habitat protections that apply to it by clicking on the photo of the species.

## 4.0 Check-List

Please feel free to use the check list below to help you confirm you have explored all applicable information sources and to support your discussion with Ministry staff at the preliminary screening stage.

- ✓ Land Information Ontario (LIO)
- ✓ Natural Heritage Information Centre (NHIC)
- ✓ The Breeding Bird Atlas
- ✓ eBird
- ✓ iNaturalist
- ✓ Ontario Reptile and Amphibian Atlas
- ✓ List Conservation Authorities you contacted: \_\_\_\_\_  
\_\_\_\_\_
- ✓ List local naturalist groups you contacted: \_\_\_\_\_  
\_\_\_\_\_
- ✓ List local Indigenous communities you contacted: \_\_\_\_\_  
\_\_\_\_\_
- ✓ List any other local land trusts or Environmental Non-Government Organizations you contacted: \_\_\_\_\_  
\_\_\_\_\_
- ✓ List and field studies that were conducted to identify species at risk, or their habitat, likely to be present or absent at or near the site: \_\_\_\_\_  
\_\_\_\_\_
- ✓ List what you think the likely impacts of your activity are on species at risk and their habitat (e.g. damage or destruction of habitat, killing, harming or harassing species at risk): \_\_\_\_\_  
\_\_\_\_\_

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Thursday, March 03, 2022 3:21 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP  
**Attachments:** 220127\_AQ Memo\_Warden Ave Kennedy Rd\_052314.pdf

Hi Jennifer/Deanna,

Please see comments from MECP on the Air Quality memo.

If you don't have any questions please finalize this memo and provide me the quotation to complete the analysis.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>  
**Sent:** Thursday, March 3, 2022 11:05 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hi Edward,

Central Region TSS completed a review of the proposed identification of sensitive and critical receptors prepared by R. J. Burnside & Associates Ltd. dated January 27, 2022 (attached) and offers the following comments:

- MECP recommends one additional receptor at the intersection of Warden Avenue and Elgin Mills.
- The AQIA should provide rationale as to how the receptors identified were selected (i.e. closest to intersection, high traffic counts, etc.).
- If AERMOD is used, the approved model version is 19191.

At this time, they do not feel that a meeting is necessary. Please let me know if you have any questions in regards to the comments.

Thank you,

**Erinn Lee** ([she/her](#))

Regional Environmental Planner | Ministry of the Environment, Conservation and Parks  
Project Review Unit, Environmental Assessment Branch



**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Sent:** February 18, 2022 3:20 PM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Good afternoon Erinn,

In discussion with our Management, since we will be discussing ECA permits, they suggest that we extend the invitation to Paul Heeney as well. Would you please extend this invitation on our behalf, thank you.

Also, attached please find the Air Quality Memo for MECP's comments. We are approaching this assessment in 2 phases and this is only Phase 1 where we identify the methodology that will be followed on air quality assessment and identify recommended locations where we will be conducting the assessment. Once MECP has accepted this, Phase 2 will be the actual assessment and providing the outcome. We found this very beneficial previously with MECP because it minimizes the risk of using the wrong guidelines, as well as under or over assessment and reduces multiple resubmissions. We may not necessarily need to meet to discuss this but we are offering this to MECP if a meeting can provide clarifications directly to help with your review. Once your team has a chance to review this we would be happy to set up the meeting if necessary.

Have a good long weekend.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Chiu, Edward

**Sent:** Tuesday, February 15, 2022 2:38 PM

**To:** 'Lee, Erinn (MECP)' <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hello Erinn,

No problem at all of including your co-op student.

As for other MECP staff, let me confirm who we would like to have coming to the meeting, we plan to present the ongoing and upcoming projects that would require MECP's reviews and approvals so as a minimum, I would suggest the following expertise/staffs:

- Air Quality assessment
- Species-at-Risk assessment/permit (fisheries and Jefferson Salamander)
- Oil-Grit Separator application permit

I am reviewing the list of projects currently and will confirm if additional MECP staff that would be beneficial to attend.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Sent:** Tuesday, February 15, 2022 11:39 AM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Thanks Edward. With regards to other MECP staff, will you have any specific technical questions for the projects? Otherwise it will just be me.

Do you mind if I extend the invitation to our co-op student? She would listen in as a learning opportunity if she is available.

Thanks,  
Erinn

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**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Sent:** February 15, 2022 11:19 AM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hello Erinn,

I will tentatively set up a Teams meeting for Wednesday March 2<sup>nd</sup> in the afternoon and forward to you. Please circulate to others in your office as appropriate, thanks.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Sent:** Tuesday, February 15, 2022 10:39 AM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hi Edward,

Good idea to get a Teams invite to block off a chunk of time. The Wednesday or Friday afternoon work for me.

Thanks,  
Erinn

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**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Sent:** February 14, 2022 2:14 PM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hi Erinn,

No problem on the first week of March. I'm available all afternoon except for Thursday March 3 as I will be in a full day course that day.

Let me know what works for you and I will create a MS Teams meeting to block off the date/time within our office.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Sent:** Friday, February 11, 2022 7:03 PM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hi Edward,

No problem, thanks for the update. The air quality reviewers were very busy this week so they likely wouldn't have had time to review this week anyways. I will leave it to Paul to confirm which document to use as he is more familiar with this and I know there are certain draft documents that they no longer circulate.

Wow, end of February is creeping up! As of now I have the afternoons of the 23<sup>rd</sup> to the 25<sup>th</sup> free or any afternoon in the first week of March. I would prefer first week of March to give me time to review any materials I receive next week, but last week of February works.

Thanks and hope you have a nice weekend.

**Erinn Lee** ([she/her](#))

Regional Environmental Planner | Ministry of the Environment, Conservation and Parks

Project Review Unit, Environmental Assessment Branch

135 St. Clair Ave W, Toronto, ON M4V 1P5

P : 1 (416) 357-1511 E: [Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)

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**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Sent:** February 8, 2022 4:26 PM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Good afternoon Erinn,

Sorry for the delay of getting back to you, I was hoping to send you a copy of the Air Quality memo outlining where we plan to complete the assessment this week but noticed our Consultant is referring to the wrong reference document instead of the MECP document and won't have this ready by this week.

The reference document we have used in the past is MECP's Central Region Draft Document "Traffic Related Air Pollution: Mitigation Strategies and Municipal Class Environment Assessment Air Quality Impact Assessment Protocol", our consultant used the MTO's Central Region Draft Document "Traffic Related Air Pollution: Mitigation Strategies and Municipal Class Environment Assessment Air Quality Impact Assessment Protocol" instead.

They apparently don't have a copy of the MECP document and was in contact with Paul Martin from your office about using the draft MECP document, but we haven't heard back from Paul yet so we are waiting for an answer before finalizing the memo and set up a meeting.

Also, I have reached out internally within our Branch to identify projects and permits that we will required input and approvals from MECP. Do you have a tentatively date/time in mind in mid to late February so our 2 offices can meet? I would suggest we set this up for about half day.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Sent:** Thursday, January 27, 2022 11:52 AM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hi Edward,

The technical reviewers have requested the opportunity to review the memo before setting a meeting date so they can confirm whether a meeting is necessary based on the proposed methodologies. Once the draft is ready to share, I will circulate to them.

As for the coordination meeting, I think it would be great to have an opportunity to connect with York Region staff. Late February works for me, thanks for organizing. I will be the EA Coordinator for York Region, but files are distributed to different technical reviewers depending on workload so they wouldn't all join this meeting. Did you have any other particular MECP staff you wanted included?

I would appreciate it if you can send the CPD projects list in advance so I can get status updates or follow up with any questions in advance.

Thanks,

**Erinn Lee** ([she/her](#))

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135 St. Clair Ave W, Toronto, ON M4V 1P5  
P : 1 (416) 357-1511 E: [Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)

---

**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Sent:** January 24, 2022 4:13 PM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hello Erinn,

That's great about both the meeting specifically related to the Warden/Kennedy EAs and coordination meeting(s) with our Branch.

I have asked our consultant to finalize the draft air quality assessment methodology memo and will forward it to you to circulate when ready.

As for the coordination meeting with our Branch, can I suggest the first meeting be held late February to allow our office to put together an agenda and compile a list of projects and discussions we would like to have with MECP?

Here is the general format/topics we had in the past with MECP:

- Introduction of York Region's Transportation Services Capital Planning and Delivery Branch (CPD), our staff, and what we do
- Introduction of MECP staff and their specific expertise (since there have been quite a few changes since 2019 it would be beneficial for us to know the new staff)
- CPD projects (EA, detailed design, construction) that may require input/approvals/permits from MECP and the current status

I will pull together the information for Items 1 and 3, let me know if there are additional discussion you wish to include into the agenda.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Sent:** Monday, January 24, 2022 11:25 AM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Subject:** RE: Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Hi Edward,

I've reached out to the air quality section to determine their availability for a meeting and will get back to you. Typically technical reviewers request materials to review in advance so if you have any information to share about your proposed methodology in advance of the meeting that would be great.

As for the coordination meetings, I'm happy to meet on a quarterly basis or every six months to talk about projects. I would just ask that you flag in advance if you have any technical questions for a specific project for certain meetings so that I can loop in the appropriate people, though it sounds like the meetings will be focused more on timing and scheduling.

Thanks,  
Erinn

---

**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Sent:** January 24, 2022 11:00 AM

**To:** Lee, Erinn (MECP) <[Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca)>

**Subject:** Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham - Request for meeting with MECP

Good morning Erinn,

As part of the above Warden and Kennedy EA Studies, our consultant will be completing air quality assessment. In past projects York Region met with MECP to go over our methodologies of completing this assessment to ensure it meets MECP's expectations, and we would like to do the same on these studies.

Would you please provide us some dates/times that we are able to meet with MECP to review this in the next few weeks so we can find an acceptable date/time to meet, thanks.

Also, prior to the pandemic and with your predecessor, York Region met with the MECP team on a quarterly basis to go over all upcoming and ongoing transportation projects from our Branch to better coordinate between MECP and York Region, and our Management would like to restart this again in 2022. Can you advise if MECP would have time for the two offices to meet either quarterly or every 6 months to have better project coordination between MECP and York Region?

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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# Technical Memorandum

## Air Quality Impact Assessment – Phase 1

### Identification of Sensitive and Critical Receptors

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**Date:** January 27, 2022 **Project No.:** 300052314.0000

**Project Name:** Warden Avenue and Kenney Road Environmental Assessment Studies  
between Major MacKenzie Drive and Elgin Mills Road

**Client Name:** Regional Municipality of York

**Submitted To:** Jennifer Vandermeer, P.Eng.

**Submitted By:** Kristina Zeromskiene, Ph.D., LEL

**Reviewed By:** Harvey Watson, P.Eng.

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R.J. Burnside & Associates Limited has been retained by the Regional Municipality of York (York Region) to provide an Air Quality Study in support of the Municipal Class Environmental Assessment (MCEA) Studies for the proposed improvements to Warden Avenue from Major Mackenzie Drive to Elgin Mills Road and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road. The purpose of this memorandum is to provide information required for Phase 1 of the MCEA Studies relating to the Air Quality Impact Assessment (AQIA). Specifically, this memorandum establishes the potential sensitive and critical air quality receptors that will be evaluated in Phase 3 of the MCEA based on the preliminary preferred road design concepts. A subsequent memorandum will be prepared to describe the proposed scope of work for the AQIA once the receptors are confirmed.

The Ministry of Transportation (MTO) Guide<sup>1</sup> denotes air quality receptors in two categories: sensitive receptors and critical receptors. Sensitive receptors are defined as residential dwellings and critical receptors are defined as retirement homes, hospitals, childcare centres, schools, and similar institutional buildings. For Air Quality Studies completed in support of Environmental Assessments, York Region requests that the assessment focus on sensitive and/or critical receptors that are located in clusters. Areas sensitive to air quality within the

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<sup>1</sup> Ministry of Transportation Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions of Provincial Transportation Projects, May 2020.

Study Areas were identified as part of Phase 1 of the MCEA Studies as well as the locations where air quality impact assessment is recommended to be completed. These recommendations will be presented to the Ministry of the Environment, Conservation and Parks (MECP) to ensure mutual agreement with the recommend locations.

One sensitive receptor (residential dwelling) was identified to be representative along Warden Avenue (see Figure 1):

- R01 – 3 Heritage Hill Drive – receptor closest to Warden Avenue and is located in the cluster with other residential dwellings.

No critical receptors (retirement homes, hospitals, childcare centres, schools, and similar institutional buildings) were found along Warden Avenue.

Two sensitive receptors (residential dwellings) were identified along Kennedy Road Avenue (see Figure 2):

- R02 – 4510 Elgin Mills Road East – closest receptor northwest of Kennedy Road and Elgin Mills Road East intersection and will be impacted by Elgin Mills Road East in addition to Kennedy Road.
- R03 – 4478 Elgin Mills Road East – closest receptor northeast of Kennedy Road and Elgin Mills Road East intersection and will be impacted by Elgin Mills Road East in addition to Kennedy Road.

One critical receptor (Angus Glen Montessori School, R04) was identified at 10000 Kennedy Road. This receptor is the closest one to Kennedy Road and Major Mackenzie Drive East intersection and is located southwest of this intersection.

We believe these receptors will sufficiently represent the worst-case scenario (highest cumulative ground level concentration) within Study Areas for current and future scenarios.

#### **R.J. Burnside & Associates Limited**

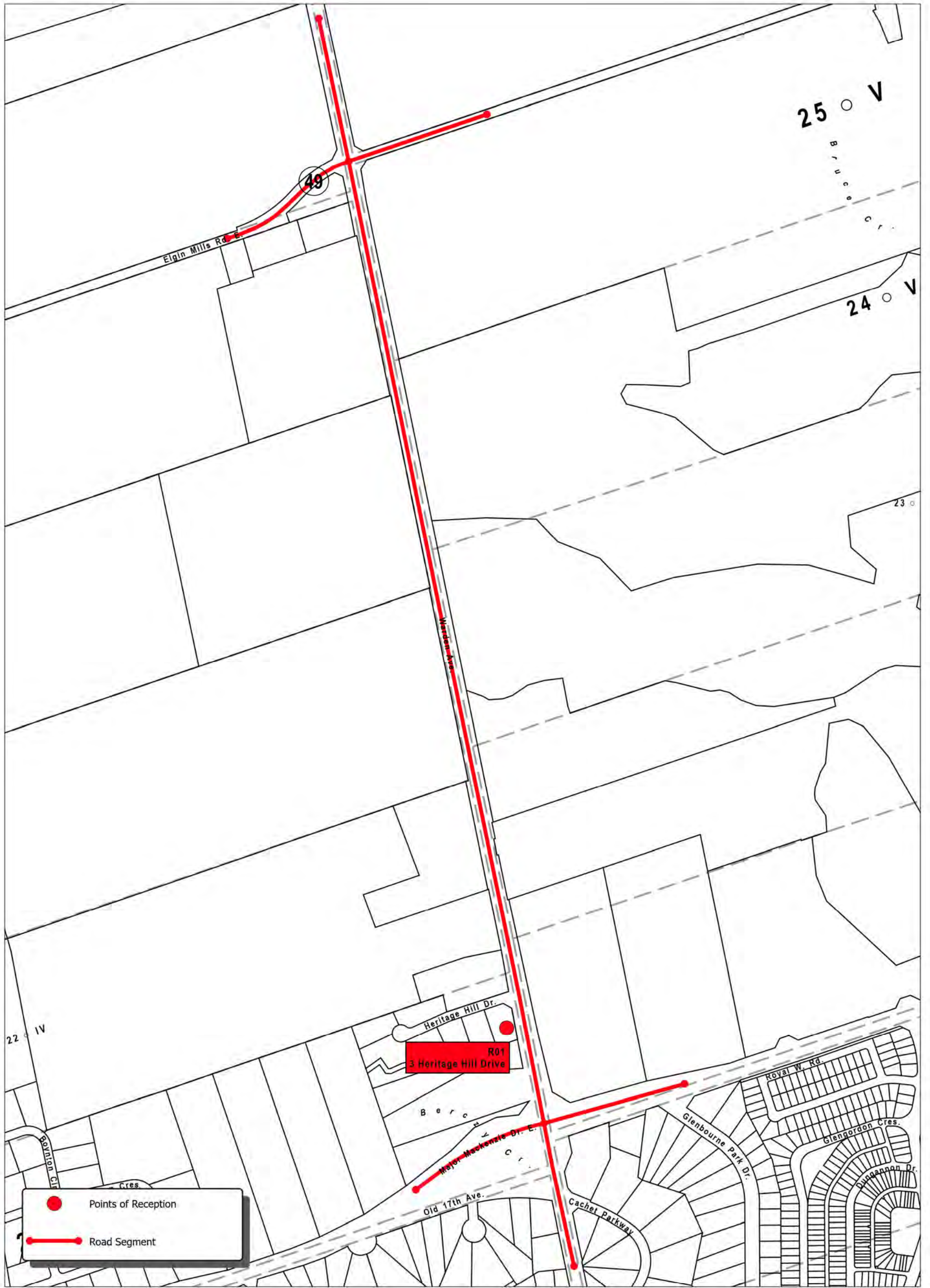


Kristina Zeromskiene, Ph.D., LEL  
Air & Noise Scientist  
KZ:bs

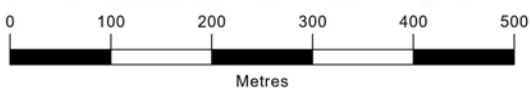
Enclosure(s)

Other than by the addressee, copying or distribution of this document, in whole or in part, is not permitted without the express written consent of R.J. Burnside & Associates Limited.





Datum: North American 1983 CSRS  
 Coord. System: NAD 1983 CSRS UTM Zone 17N  
 Projection: Transverse Mercator  
 Central Meridian: 81°00.00"W  
 False Easting: 500,000m False Northing: 0m  
 Page Orientation: 0° Scale Factor: 0.99960



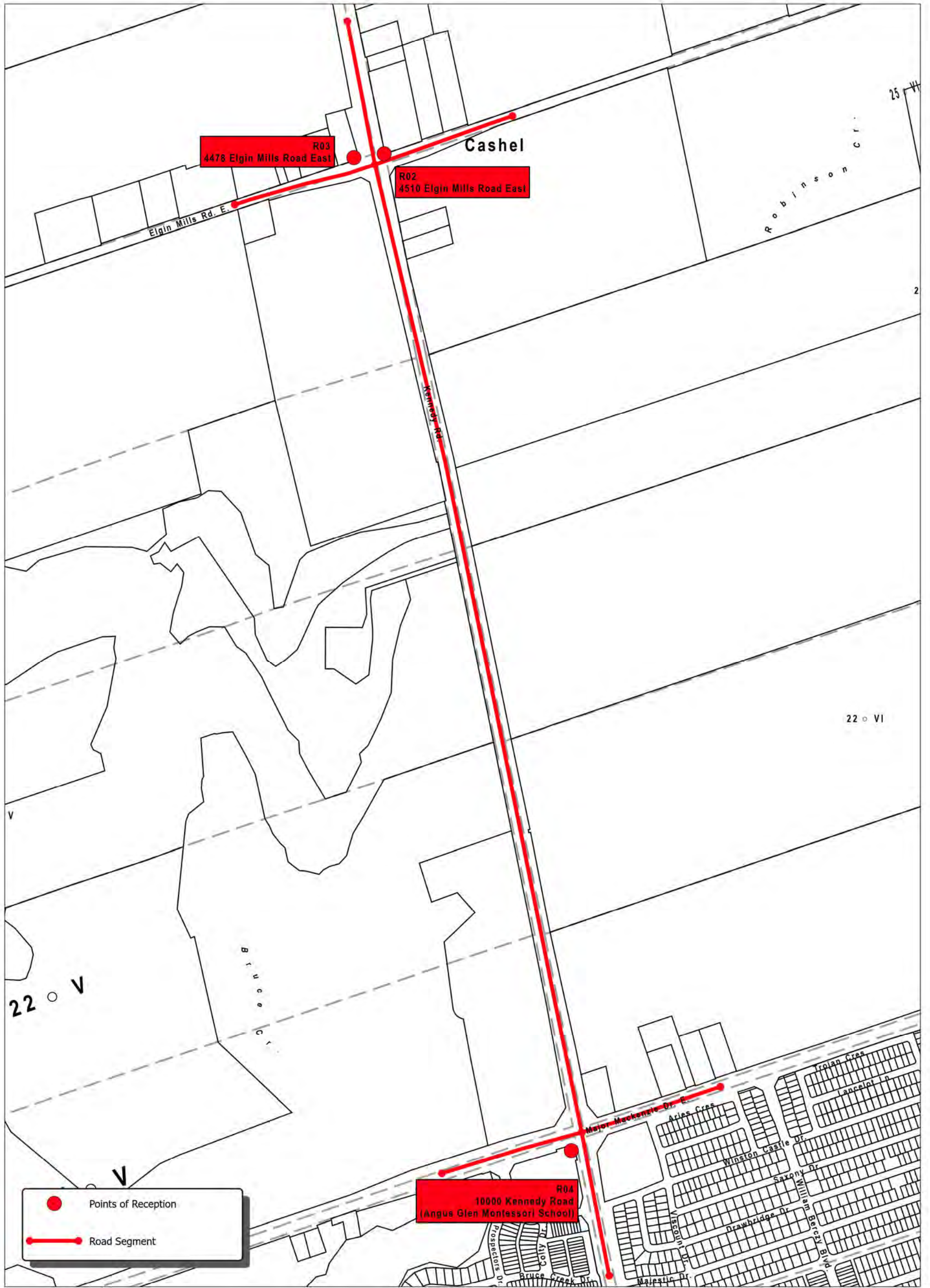
Client  
**REGIONAL MUNICIPALITY  
 OF YORK**

Map Title

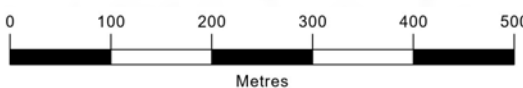
**AIR QUALITY ASSESSMENT**  
**SENSITIVE & CRITICAL RECEPTORS**  
**(WARDEN AVE.)**

Drawn	Checked	Date	Figure No.
PS	KZ	2022/01/27	<b>1</b>
Scale	Project No.		
H 1:7,500	300052314		





Datum: North American 1983 CSRS  
 Coord. System: NAD 1983 CSRS UTM Zone 17N  
 Projection: Transverse Mercator  
 Central Meridian: 81°00'00"W  
 False Easting: 500,000m  
 False Northing: 0m  
 Page Orientation: 0°  
 Scale Factor: 0.99960



Client:  
**REGIONAL MUNICIPALITY  
 OF YORK**

Map Title

**AIR QUALITY ASSESSMENT**  
**SENSITIVE & CRITICAL RECEPTORS**  
**(KENNEDY RD.)**

Drawn	Checked	Date	Figure No.
PS	KZ	2022/01/27	2
Scale	Project No.		
H 1:7,500	300052314		

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From: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>  
Sent: Thursday, June 22, 2023 5:13 PM  
To: Jennifer Vandermeer; EA Notices to CRegion (MECP); Harsha Gammanpila; mriad@markham.ca  
Cc: Chiu, Edward; Lee, Jessica; Lalla, Dimitri; Ray Bacquie; Deanna De Forest; Mishaal Rizwan; Julianna Arcese; Rhoshell Baker; Harold Faulkner; Battarino, Gavin (MECP); Dugas, Celeste (MECP)  
Subject: RE: York Warden Avenue EA Study - Draft ESR for Review  
Hi Jennifer,

No other technical comments are expected. We are satisfied with the hydrogeological review and the stormwater management report, and that potential impacts to water resources will be avoided or minimized with the identified mitigation measures in place.

Thanks,  
Trevor

---

From: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
Sent: June 22, 2023 4:54 PM  
To: Bell, Trevor (MECP) <Trevor.Bell@ontario.ca>; EA Notices to CRegion (MECP) <eanotification.cregion@ontario.ca>; Harsha Gammanpila <Harsha.Gammanpila@trca.ca>; mriad@markham.ca  
Cc: Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Lalla, Dimitri <Dimitri.Lalla@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>; Julianna Arcese <Julianna.Arcese@rjburnside.com>; Rhoshell Baker <Rhoshell.Baker@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>; Battarino, Gavin (MECP) <Gavin.Battarino@ontario.ca>; Dugas, Celeste (MECP) <Celeste.Dugas@ontario.ca>  
Subject: RE: York Warden Avenue EA Study - Draft ESR for Review

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Trevor,  
Thanks so much for the update. Are there any other comments that you are waiting on from other technical reviewers other than air quality?  
Best regards,  
Jennifer



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Jennifer Vandermeer, P.Eng. Office:  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

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From: Bell, Trevor (MECP) <[Trevor.Bell@ontario.ca](mailto:Trevor.Bell@ontario.ca)>  
Sent: Thursday, June 22, 2023 4:42 PM  
To: Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; EA Notices to CRegion (MECP) <[eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)>; Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [mriad@markham.ca](mailto:mriad@markham.ca)  
Cc: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray  
Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Battarino, Gavin (MECP) <[Gavin.Battarino@ontario.ca](mailto:Gavin.Battarino@ontario.ca)>; Dugas, Celeste (MECP) <[Celeste.Dugas@ontario.ca](mailto:Celeste.Dugas@ontario.ca)>  
Subject: RE: York Warden Avenue EA Study - Draft ESR for Review

Hi Jennifer,

You're welcome. Unfortunately, air quality comments are not available yet. I will follow-up with you as soon as possible if the air quality analyst has any comments.

Thanks,  
Trevor

---

From: Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
Sent: June 22, 2023 4:25 PM  
To: Bell, Trevor (MECP) <[Trevor.Bell@ontario.ca](mailto:Trevor.Bell@ontario.ca)>; EA Notices to CRegion (MECP) <[eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)>;  
Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [mriad@markham.ca](mailto:mriad@markham.ca)  
Cc: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray  
Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Battarino, Gavin (MECP) <[Gavin.Battarino@ontario.ca](mailto:Gavin.Battarino@ontario.ca)>; Dugas, Celeste (MECP) <[Celeste.Dugas@ontario.ca](mailto:Celeste.Dugas@ontario.ca)>  
Subject: RE: York Warden Avenue EA Study - Draft ESR for Review

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Trevor,

Thank-you for sharing these comments. We will review and incorporate these comments into the final ESR. Just to confirm, did MECP staff any comments on the Air Quality Impact Assessment Report? Should we have any follow up questions, we'll reach out to you for clarification.

Best regards,  
Jennifer



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Jennifer Vandermeer, P.Eng. Office:  
Senior Environmental Coordinator

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---

From: Bell, Trevor (MECP) <[Trevor.Bell@ontario.ca](mailto:Trevor.Bell@ontario.ca)>

Sent: Thursday, June 22, 2023 3:39 PM

To: Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; EA Notices to CRegion (MECP)

<[eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)>; Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [mriad@markham.ca](mailto:mriad@markham.ca)

Cc: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri

<[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray

Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan

<[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker

<[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Battarino, Gavin (MECP)

<[Gavin.Battarino@ontario.ca](mailto:Gavin.Battarino@ontario.ca)>; Dugas, Celeste (MECP) <[Celeste.Dugas@ontario.ca](mailto:Celeste.Dugas@ontario.ca)>

Subject: RE: York Warden Avenue EA Study - Draft ESR for Review

Good afternoon,

The ministry has reviewed the draft Environmental Study Report (draft report) for the Warden Avenue Schedule C Municipal Class EA study in the city of Markham. We understand that the preferred alternative is to widen the corridor to four lanes with a limited marked median island. The following comments are offered for your consideration:

1. The ministry recommends developing a Salt Management Plan to address the potential impacts to surface water and groundwater features from surface water run-off due to the application of road salt during winter maintenance activities.
2. The ministry supports conducting a water well survey for shallow wells within the study area, and developing a mitigation and monitoring plan, and a complaints protocol to address potential interference with wells during the construction phase.
3. The noise impact assessment should reference the ministry's [Environmental Noise Guideline – Stationary and Transportation Sources – Approval and Planning \(NPC-300\)](#), and ensure that exceedances of noise limits are mitigated in accordance with NPC-300.
4. The ministry recommends that non-chloride dust suppressants be used for the entrainment of fugitive dust particles during the construction phase.
5. Section 13 General Approval and Permit Requirements of the draft report should identify the potential requirement for a Permit to Take Water (PTTW) or Environmental Activity Sector Registry (EASR) due to construction dewatering. An EASR will be required for construction dewatering between 50,000 and 400,000 litres per day, and a PTTW will be required if dewatering exceeds 400,000 litres per day.

Thank you for the opportunity to review the draft report. Feel free to contact me with any questions or concerns you may have, and please copy [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca) on any project-related correspondence.

Sincerely,

Trevor Bell | Regional Environmental Planner

Project Review Unit, Environmental Assessment Branch  
Ministry of the Environment, Conservation and Parks  
5775 Yonge Street, 8<sup>th</sup> floor, Toronto ON, M2M 4J1  
New Phone: 437-770-3731 | [trevor.bell@ontario.ca](mailto:trevor.bell@ontario.ca)

---

From: Bell, Trevor (MECP)  
Sent: May 25, 2023 4:20 PM  
To: Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; EA Notices to CRegion (MECP) <[eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)>; Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [mriad@markham.ca](mailto:mriad@markham.ca)  
Cc: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>  
Subject: RE: York Warden Avenue EA Study - Draft ESR for Review

Thanks Jennifer,

I successfully downloaded the files, thank you. We'll do our best to respond by June 22, but depending on technical reviewers, we may need 30 days to complete a review and provide comments. I'll let you know asap if we need additional time.

Thanks,  
Trevor

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From: Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
Sent: May 25, 2023 2:41 PM  
To: EA Notices to CRegion (MECP) <[eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)>; Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [mriad@markham.ca](mailto:mriad@markham.ca)  
Cc: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>  
Subject: York Warden Avenue EA Study - Draft ESR for Review

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.  
Good afternoon Trevor, Chunmei, Harsha and Marina,

Please find below a link to download the draft ESR for the Warden Avenue EA for your review and comment. We've provided the main ESR and separate PDFs for the Drawing set (preliminary design) and appendices.

 [230525\\_Warden Ave Draft ESR](#)

Note: LINK will expire on Friday June 30, 2023.

We kindly request that you provide any comments on the draft ESR within four weeks' time, so by Thursday June 22, 2023.

Should you have any issues accessing the documents, please let me know. Or if you have any specific questions about the draft ESR, please feel free to reach out.

Best regards,  
Jennifer



Jennifer Vandermeer, P.Eng.  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
Office: 800-265-9662 Direct: 226-486-1559 [www.rjburnside.com](http://www.rjburnside.com)

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\*\*\*\*\*

**City of Markham Correspondence**

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## Minutes of Meeting

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**Meeting Date:** October 8, 2021 **Project No.:** 300052314.0000  
**Project Name:** Warden Avenue and Kennedy Road Environmental Assessment Studies  
between Major Mackenzie Dr. and Elgin Mills Rd.  
**Meeting Subject:** Coordination with the City's Future Urban Area Studies  
**Meeting Location:** Microsoft Teams Meeting  
**Date Prepared:** October 13, 2021

---

### Those in attendance were:

Edward Chiu (EC)	York Region	Edward.Chiu@york.ca
Tanin Alemi-Baygy (TA)	York Region	Tanin.Alemi-Baygy@york.ca
Mark Siu (MS)	City of Markham	MSiu@markham.ca
Andrew Crickmay (AC)	City of Markham	Acrickmay@markham.ca
Ray Bacquie (RB)	R.J. Burnside & Associates Limited (Burnside)	Ray.bacquie@rjburnside.com
Jennifer Vandermeer (JV)	Burnside	Jennifer.Vandermeer@rjburnside.com
Deanna De Forest (DF)	Burnside	Deanna.DeForest@rjburnside.com
Ahmad Ishtiaq (AI)	Burnside	Ahmad.Ishtiaq@rjburnside.com
Gordon Hui (GH)	Burnside	Gordon.Hui@rjburnside.com

### The following items were discussed

### Action by

#### 1. Introductions

Mark Siu (MS) noted that he is currently the primary contact at the City of Markham related to this project; however, Andrew Crickmay (AC), who is the project manager for the on-going Elgin-Mills Environmental Assessment, will eventually be the contact person at the City for this project and will continue to be the contact person going forward for any question or coordination efforts related to the Elgin Mills EA.

Information

The following items were discussed	Action by
<p><b>2. Study Background and Progress Update</b></p> <p>RB: Kennedy Road and Warden Avenue were identified as roads for improvement in York Region’s Transportation Master Plan (TMP), which covered Phases 1 and 2 of the Municipal Class EA process. These EAs will re-confirm the needs and justifications.</p> <p>In the first public engagement, the project team will present the needs and justifications.</p>	Information
<p><b>3. Data Request</b></p> <p>3.1 RB stated that Burnside sent a data request and is still waiting on some data.</p> <p>EC stated that the Region provided more data and background information earlier this week.</p> <p>RB acknowledged receipt of this data and went through the data provided with the attendees.</p>	Information
<p>3.2 Collector Road EAs</p> <p>MS provided background information regarding the Collector Road EAs within the Future Urban Area.</p> <p>MS: There was one EA completed for three of the four subdivision blocks, which includes the Berczy Glen Block, Robinson Glen Block, and Victoria Glen Block. Angus Glen is currently on hold due to Ontario Land Tribunal (OLT) (formerly LPAT, OMB) hearings.</p> <p>MS: The York Region TMP, Future Urban Area (FUA) Conceptual Master Plan, and Collector Road EAs covered the first two phases of the Class EA process.</p> <p>MS: The traffic study that is currently on-going for the Elgin Mills Road EA also relies on the York Region TMP and Future Urban Area Conceptual Master Plan.</p> <p>AC: The City will be ready to send more information regarding the traffic study within 1 or 2 weeks.</p> <p>The Collector Road Class EAs and related background studies for transportation, water and wastewater are all available online. Burnside will download all the available data presented online.</p>	Information
	City
	Burnside

The following items were discussed	Action by
<p>3.3 Traffic Analysis Approach</p> <p>RB: Our approach will be synthesizing all the available data from existing studies, then refining and updating using updated traffic counts and transportation modelling.</p>	Information
<p>3.4 Property Ownership</p> <p>Burnside will be cross referencing the stakeholder list to develop a list of property owners but may reach back to the City for further clarification.</p>	Information
<p>3.5 Other Data</p> <p>Burnside is still collecting other information such as cemetery information and will be conducting a contamination overview study.</p> <p>York Region is still collaborating with other departments for this and any other outstanding data and will provide to Burnside when it is available.</p> <p>The City will provide an update on the OLT hearing when available.</p>	Information
<p><b>4. Watermain Inspection and Site Plans within Berczy Glen</b></p> <p>The City also provided watermain data and preliminary site plans within the Berczy Glen Secondary Plan area, which the Region and Burnside has reviewed.</p> <p>EC: The developers are proposing sewers that would take away space for LID treatments. Potential solutions include combining sewers or to move them away from boulevards. With the current proposed sewers, it may be difficult to obtain TRCA approval for the required LID treatments.</p>	Information
<p><b>5. Culvert Crossings</b></p> <p>EC inquired about wildlife passage at culvert crossings.</p> <p>MS stated that there should be a wildlife corridor designated in the Conceptual Master Plan. The City will get back to the project team regarding wildlife corridor designation.</p>	City

The following items were discussed	Action by
<p><b>6. Public Engagement</b></p> <p>AC stated for the City's first public information centre for the Elgin Mills EA, they provided downloadable PFDs similar to what you would see on easels for in-person engagements. There was no voice over included.</p> <p>EC stated that the Region's EAs will also match a similar format to the City's. The first engagement will present the background information and the needs and justification to introduce the public to the project. A second Open House will focus on presenting the design options and recommendations.</p>	Information

The preceding are the minutes of the meeting as observed by the undersigned. Should there be a need for revision, please advise Burnside within seven days of issuance. In the absence of notification to the contrary, these minutes will be deemed to be an accurate record of the meeting.

Minutes prepared by:

**R.J. Burnside & Associates Limited**



Gordon Hui, B.A.Sc., EIT  
Senior Transportation Planner  
GH/JV:sd

Distribution:

All Attendees		Via: Email
Marija Ilic	City of Markham	Via: Email
Jessica Lee	York Region	Via: Email

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## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Monday, July 11, 2022 11:53 AM  
**To:** Siu, Mark  
**Cc:** Lee, Jessica; Chiu, Edward; Li, Vince; Ray Bacquie; Deanna De Forest; Sylvia Waters; Mishaal Rizwan  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Thanks Mark,  
We would appreciate an update to the application statuses when the City receive review requests.  
Best,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

R.J. Burnside & Associates Limited  
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---

**From:** Siu, Mark <MSiu@markham.ca>  
**Sent:** Monday, July 11, 2022 11:04 AM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
**Cc:** Lee, Jessica <Jessica.Lee@york.ca>; Chiu, Edward <Edward.Chiu@york.ca>; Li, Vince <Vince.Li@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Hi Jennifer,

Yes, Friday was a bit disruptive to say the least.

The maps are not regularly updated as they are prepared as required. I understand that the status is updated more regularly.

To align with our commenting framework, we can provide an update to the application statuses when we receive review requests.

Mark

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**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** Monday, July 11, 2022 10:26 AM



**To:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>

**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>

**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Good morning, Mark,

Thank-you for sending your comments. Not to worry about the delay, Friday was a very disruptive day for all to say the least.

In response to Comment 001, for the final ESR, we will update Section 2.4.4 to reflect the completion dates of the EA studies identified. Regarding Comment 002, thank-you for providing us with the latest development application status (as of March 2022) for the area. This is helpful information. How often does the City update the development application status map / data for the FUA? We would appreciate a copy of the next status update when available.

Best regards,

Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

---

**From:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>

**Sent:** Monday, July 11, 2022 8:02 AM

**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>

**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Hi Jennifer,

Apologises for not being able to send the our comments back to you last Friday.

Please find attached the City's comment to the interim reports. The spreadsheet contains two tabs, one for each project.

If you require any clarifications, please feel free to contact me.

Regards,

**Mark Siu, M.Eng., P.Eng.**  
*Senior Engineer – Major Infrastructure Lead*

Infrastructure and Capital Works  
Engineering Department  
Anthony Roman Centre | City of Markham  
T: 905.477.7000 Ext. 2625



## Deanna De Forest

---

**From:** Siu, Mark <MSiu@markham.ca>  
**Sent:** Monday, July 11, 2022 8:02 AM  
**To:** Jennifer Vandermeer  
**Cc:** Lee, Jessica; Chiu, Edward; Li, Vince; Ray Bacquie; Deanna De Forest  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review  
**Attachments:** Warden and Kennedy EA - Review Sheet.xlsx; Community Structure Plan Active Applications - March 15 2022.pdf; Development Application - March 2022.png

Hi Jennifer,

Apologises for not being able to send the our comments back to you last Friday.

Please find attached the City's comment to the interim reports. The spreadsheet contains two tabs, one for each project.

If you require any clarifications, please feel free to contact me.

Regards,

**Mark Siu**, M.Eng., P.Eng.  
*Senior Engineer – Major Infrastructure Lead*

Infrastructure and Capital Works  
Engineering Department  
Anthony Roman Centre | City of Markham  
T: 905.477.7000 Ext. 2625  
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---

**From:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
**Sent:** Tuesday, June 28, 2022 10:42 AM  
**To:** Siu, Mark <MSiu@markham.ca>  
**Cc:** Lee, Jessica <Jessica.Lee@york.ca>; Chiu, Edward <Edward.Chiu@york.ca>; Li, Vince <Vince.Li@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Good morning, Mark,  
Thank-you for checking in. Yes, if you could provide your comments back by July 8, 2022 that would be appreciated.  
Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

Pronouns: (She/Her/Hers)

---

**From:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Sent:** Tuesday, June 28, 2022 10:39 AM  
**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Hi Jennifer,

We have a bit of a turnover at the City. Could we get another week to review. Ill have our comments back to you by July 8<sup>th</sup>

Mark

---

**From:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Sent:** Wednesday, June 15, 2022 10:10 AM  
**To:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Thanks Mark!

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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---

**From:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Sent:** Wednesday, June 15, 2022 10:08 AM  
**To:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

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Hi Jessica,

Thanks for the catching that.

No worries Ill circulate to him.

Mark



---

**From:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Sent:** Wednesday, June 15, 2022 10:04 AM  
**To:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

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Hi Mark,

I've noticed that Andrew Crickmay (PM for Elgin Mills EA) was not circulated in the submission. Could you please confirm if you've already circulated to him for review or if I should forward him the submission?

Thanks,  
Jessica

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

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1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** Thursday, June 9, 2022 4:13 PM  
**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Cc:** Crickmay, Andrew <[ACrickmay@markham.ca](mailto:ACrickmay@markham.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Ahmad Ishtiaq <[Ahmad.Ishtiaq@rjburnside.com](mailto:Ahmad.Ishtiaq@rjburnside.com)>; Gordon Hui <[Gordon.Hui@rjburnside.com](mailto:Gordon.Hui@rjburnside.com)>; Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Subject:** York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

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Good afternoon, Harsha and Mark,

Please find below a link to download interim ESRs for the Warden Avenue and Kennedy Road EA Studies for TRCA and City of Markham staff review.

[☐ 220609 Draft Interim ESRs to TRCA+City](#)

**Note:** Link will expire on Thursday, June 30, 2022.

We are calling these reports "interim" as they contain information for Phases 1 and 2 of the MCEA process, i.e. the Phase 1 and 2 EA Reports. As these are interim reports, we have not provided all the appendix materials and there are



sections of the reports that will be filled out as we advance the studies. We will circulate another interim version of each report to document the results of Phase 3 of the MCEA process when we are complete Phase 3, which is still in progress. One of our supporting reports, the Contamination Overview Study (COS) Report is still in progress and will be provided to TRCA and City of Markham for review when ready. We are also planning to circulate the results of our evaluation of alternative design concepts (in matrix form) once ready for TRCA and City of Markham review. We ask that you provide comments on these two interim reports back to us by end of day **Thursday June 30, 2022**. Should you have any questions about these reports as you complete your reviews or are having problems with the files, please let us know.

Thank-you in advance for your input.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

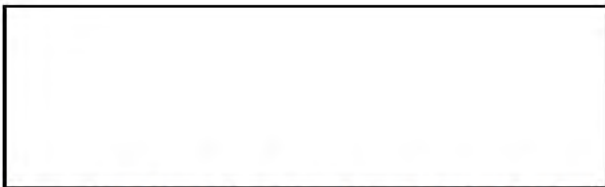
Pronouns: (She/Her/Hers)

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292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
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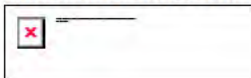


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**PROJECT NAME:** **Warden and Kennedy Road EA**

EA Warden EA

**Submittal #:** Interim ESR

**Revision:**

**Submitter Transmittal #:**

Item No.	Submission	Discipline	Drawing No./ Document No. Specification Section/ Page No.	Review Comment	Response and Details (Submitter)
001	Interim ESR	Engineering	2.4.4.	For the final ESR, please update with EA completion dates of those EA identified	
002	Interim ESR	Development Planning		For your information, please see find attached latest development application status in the area (March 2022)	

## Deanna De Forest

---

**From:** Siu, Mark <MSiu@markham.ca>  
**Sent:** Friday, July 29, 2022 10:14 AM  
**To:** Jennifer Vandermeer  
**Cc:** Crickmay, Andrew; harsimrat.pruthi@trca.ca; Chiu, Edward; Lee, Jessica; Ray Bacquie; Deanna De Forest; Mishaal Rizwan; Harold Faulkner; Gordon Hui; Sylvia Waters  
**Subject:** RE: York Warden Avenue and Kennedy Road EA Studies - Evaluation of Alternative Design Concepts - Detailed Matrices  
**Attachments:** 052314 Warden Kennedy EAs - Alt Design Concepts\_UD Comments.pdf; Warden and Kennedy EA - Review Sheet.xlsx

Hi Jennifer,

The attachment sketch was missing in my previous email. Please find the complete comment package attached.

Mark

---

**From:** Siu, Mark  
**Sent:** Friday, July 29, 2022 9:12 AM  
**To:** 'Jennifer Vandermeer' <Jennifer.Vandermeer@rjburnside.com>  
**Cc:** Crickmay, Andrew <ACrickmay@markham.ca>; harsimrat.pruthi@trca.ca; Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>; Gordon Hui <Gordon.Hui@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>  
**Subject:** RE: York Warden Avenue and Kennedy Road EA Studies - Evaluation of Alternative Design Concepts - Detailed Matrices

Good Morning Jennifer

Please find attached City comments to the Matrix. For tracking purposes, I have added our comments to the ongoing City commenting spreadsheet.

New comments begin from 003 for both Warden and Kennedy EAs.

Mark

---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** Friday, July 15, 2022 4:31 PM  
**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Cc:** Crickmay, Andrew <[ACrickmay@markham.ca](mailto:ACrickmay@markham.ca)>; harsimrat.pruthi@trca.ca; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Gordon Hui <[Gordon.Hui@rjburnside.com](mailto:Gordon.Hui@rjburnside.com)>; Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Subject:** York Warden Avenue and Kennedy Road EA Studies - Evaluation of Alternative Design Concepts - Detailed Matrices



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Good afternoon, Harsha and Mark,

The Study Team has completed the evaluation of alternative design concepts for Warden Avenue and Kennedy Road EA Studies. Please find attached the detailed evaluation matrices for your information. As you will see, the preferred design concepts for both corridors (within the proposed 41 m ROW) are Alternative 3, which is a 4-lane cross-section with a limited marked median (approximately 0.5m). The alternative design concept cross-sections referenced for this evaluation were illustrated at Online Open House #1. We have attached these alternative cross-sections to this email for reference. The only difference now is that the Region is proposing a limited marked median, for Alternative 3, instead of no median. This change will require a minor adjustment (decrease) to the boulevard widths between the curb and LID on each side of the ROW. We would appreciate any comments you may have on the evaluation matrices by **June 29, 2022**. Should you have any questions about the attached, please do not hesitate to contact us.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Friday, July 15, 2022 4:38 PM  
**To:** Harsha Gammanpila; Siu, Mark  
**Cc:** Crickmay, Andrew; harsimrat.pruthi@trca.ca; Chiu, Edward; Lee, Jessica; Ray Bacquie; Deanna De Forest; Mishaal Rizwan; Harold Faulkner; Gordon Hui; Sylvia Waters  
**Subject:** RE: York Warden Avenue and Kennedy Road EA Studies - Evaluation of Alternative Design Concepts - Detailed Matrices

Hi Harsha and Mark,

Sorry for the confusion, it would be great if you could provide comments by **July 29, 2022**. I used the incorrect month in my last email.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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**From:** Jennifer Vandermeer  
**Sent:** Friday, July 15, 2022 4:31 PM  
**To:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>; Siu, Mark <MSiu@markham.ca>  
**Cc:** Crickmay, Andrew <ACrickmay@markham.ca>; harsimrat.pruthi@trca.ca; Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>; Gordon Hui <Gordon.Hui@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>  
**Subject:** York Warden Avenue and Kennedy Road EA Studies - Evaluation of Alternative Design Concepts - Detailed Matrices

Good afternoon, Harsha and Mark,

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Best regards,

Jennifer



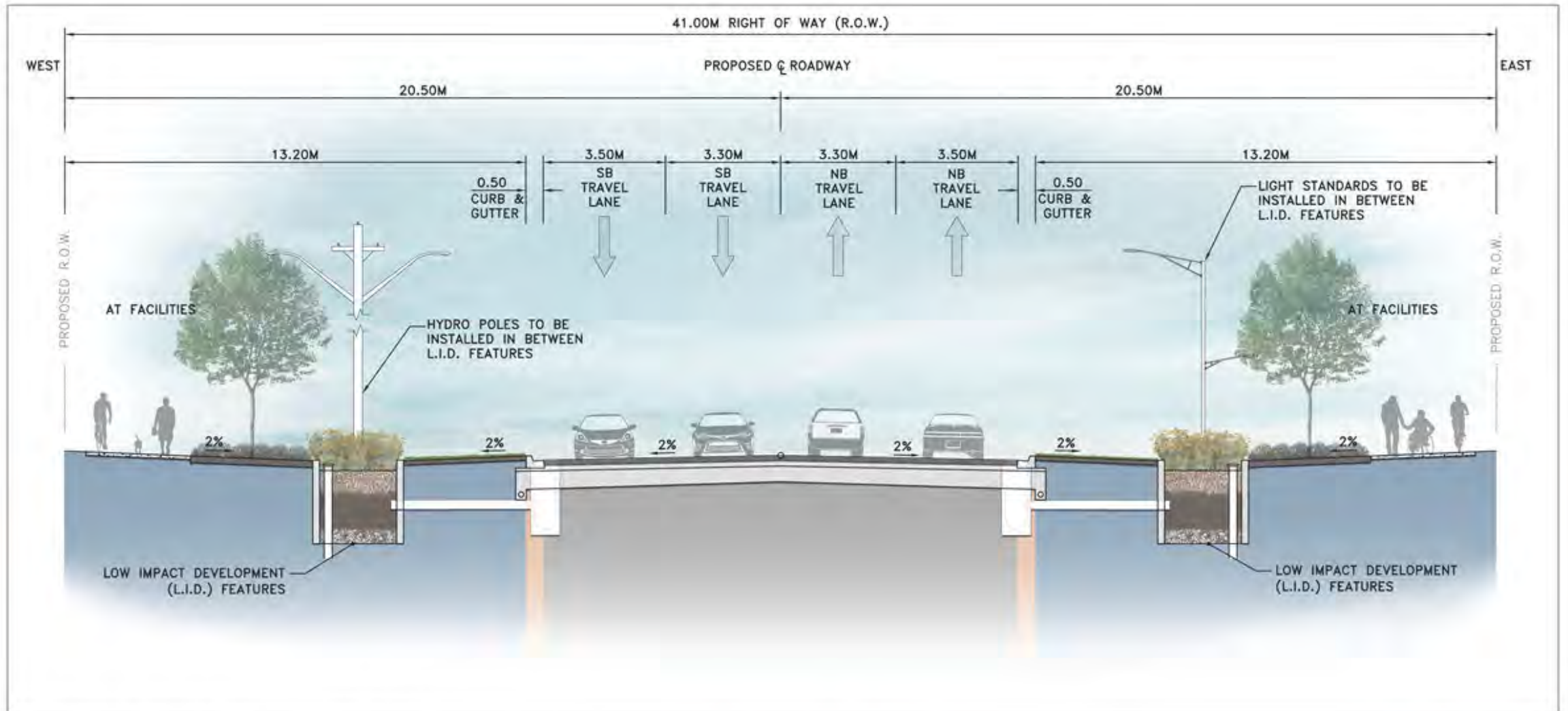
**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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[www.rjburnside.com](http://www.rjburnside.com)

PROJECT NAME:		Warden and Kennedy Road EA			
EA Warden EA					
Submittal #:		Evaluation Matrix	Revision:		
Submitter Transmittal #:					
Item No.	Submission	Discipline	Drawing No./ Document No. Specification Section/ Page No.	Review Comment	Response and Details (Submitter)
001	Interim ESR	Engineering	2.4.4.	For the final ESR, please update with EA completion dates of those EA identified	
002	Interim ESR	Development Planning		For your information, please see find attached latest development application status in the area (March 2022)	
003	Evaluation Matrix	Engineering	X-section	Please provide detail for the introduction of the 0.5 limited marked median to the X-section (i.e. Is this a new requirement for arterial roads, is it safer?)	
004	Evaluation Matrix	Transportation	Evaluation Matrix	while the x-section do not detail the AT facility dimensions, the City is seeking separated facilities for pedestrians / cyclists. Please clarify the proposed AT facility type	
005	Evaluation Matrix	Urban Design	Evaluation Matrix	<ul style="list-style-type: none"> <li>The abovementioned segments are located within the Future Urban Area (FUA). The FUA Conceptual Master Plan Community Structure Plan envisions both arterials as neighborhood mixed-use corridors. The plan also identifies mixed-use high-rise developments with retail focuses at key intersections along Major Mackenzie Drive as well as several other neighborhood service nodes along both corridors. Streetscape design considerations along mixed-use nodes should balance transportation needs while supporting active retail frontages to create a</li> </ul>	
006	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Please clarify the purpose of a 0.5 limited marked median proposed for Alternative Design Concept 3. Staff suggest a raised median with shrubs in the center of the road similar to what has been illustrated in Design Concept 1, if possible. The width of the raised median can be reduced if needed. Please refer to the sketch attached.</li> </ul>	
007	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Street tree planting should be maximized along the corridor where feasible. Consider planting double row of trees in key locations, where possible.</li> </ul>	
008	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Please consider introducing street furniture such as seating elements and trash receptacles.</li> </ul>	
009	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Staff recommend separating the boulevard sidewalk and MUP to minimize conflicts and enhance a retail supportive corridor. LID features can be moved closer to the curb which allows more room to accommodate a sidewalk. Please refer to the sketch attached.</li> </ul>	

# Alternative Design Concept 3



WARDEN AVENUE AND KENNEDY ROAD  
TYPICAL 4-LANE CROSS SECTION | WITHOUT MEDIAN ISLAND





## Minutes of Meeting

---

**Meeting Date:** September 6, 2022                      **Project No.:** 300052314.0000  
**Project Name :** Warden Avenue and Kennedy Road Environmental Assessment Studies  
**Meeting Subject:** Discussion of Preferred Road Cross-Section with City of Markham  
**Meeting Location:** Microsoft Teams Meeting  
**Date Prepared:** September 16, 2022

---

### Those in attendance were:

Edward Chiu (EC)	York Region (Region) Project Manager	Edward.Chiu@york.ca
Jessica Lee (JL)	Region Planning and Design Coordinator	Jessica.Lee@york.ca
Kadin Nurani (KN)	Region Engineering Student	Kadin.Nurani@york.ca
Henry Lo (HLo)	City of Markham (City) Manager, Transportation Planning	HenryLo@markham.ca
Julie Sharma (JS)	City Senior Capital Works Engineer, Capital Engineering	JSharma@markham.ca
Andrew Crickmay (AC)	City Senior Capital Works Engineer, Capital Engineering	ACrickmay@markham.ca
Han Liu (HL)	City Streetscape Coordinator, Urban Design Team	HLiu@markham.ca
Hubert Tam (HT)	City Right-of-Way Technical Coordinator, Operations Department	HTam@markham.ca
Loy Cheah (LC)	City Director, Transportation Planning	LCheah@markham.ca
Ray Bacquie (RB)	R.J. Burnside & Associates Limited (Burnside) Project Director	Ray.Bacquie@rjburnside.com
H.T. Lam (HTL)	Burnside Streetscape Lead	HT.Lam@rjburnside.com
Rhoshell Baker (RhB)	Burnside Road Designer	Rhoshell.Baker@rjburnside.com
Shyam Puligadda (SG)	Burnside Road Design Advisor	Shyam.Puligadda@rjburnside.com
Jennifer Vandermeer (JV)	Burnside Project Manager	Jennifer.Vandermeer@rjburnside.com



<b>The following items were discussed</b>	<b>Action by</b>
<b>1. Introductions</b>	
1.1 EC welcomed everyone to the meeting. Attendees introduced themselves to the group including the roles.	
<b>2. Review of City Comments on Preferred Cross-Section</b>	
2.1 EC provided an overview of the City's comments on the preferred road cross-section. EC noted that the Region generally accept the City's suggestion but would like to discuss some of the specifics with the City today.	
<b>3. Review of Region's Proposed Revised Cross-Section</b>	
3.1 EC noted that the Region will not be able to accommodate a planted median as requested by City staff. The Region's Forestry Group has indicated that the minimum width to support shrubs in the median is 3 m, and this would take away space from the boulevard. EC noted that the Region would maintain a painted (marked) flush median instead.  RB noted that the Study Team did consider alternative design concepts with a wider median (3 m and 5 m wide options) that could be planted with shrubs or trees; however, as noted by EC, these alternatives reduce the boulevard spacing for other uses.	
3.2 HL asked about the purpose and appearance of the marked median. EC noted that it would be a painted flush median to provide some separation between opposite direction traffic and reduce potential for vehicle collisions; e.g., side swiping.	
3.3 AC asked about the plan for placement of LIDs – are they for both Warden Avenue and Kennedy Road and would they extend the full length of the Study Area (i.e., Major Mackenzie Drive to Elgin Mills Road).  EC noted that based on TRCA and MECP requirements, the Region needs to provide LIDs to accommodate impacts of increased impervious surfaces from the road widening. EC noted that there are two options for compensation: a) implementing LIDs, or b) payment in-lieu. The Region generally does not prefer payment in-lieu, so are looking to maximize LIDs along both roadways to the extent possible, noting that there are some areas that may not be feasible for LIDs. EC also noted that the Region is working with the adjacent developers for opportunities to incorporate stormwater from the road	

<b>The following items were discussed</b>	<b>Action by</b>
<p>rights-of-way (ROW) into the stormwater management ponds for the developments to provide enhanced water quantity and quality treatment.</p> <p>AC noted that the City is proposing LIDs along Elgin Mills Road, but were not aware that there was much precedent for installing LIDs along regional roadways.</p> <p>EC clarified that based on the TRCA and MECP requirements, LIDs are to be implemented for all new road projects.</p>	
<p>3.4 AC asked if the Region has acquired the 41 m ROW.</p> <p>EC noted that the Region is moving forward with a 41 m ROW for Warden Avenue; however, the future ROW width for Kennedy Road is currently assumed to be 43 m, based on the existing Official Plan even though the draft Official Plan designates both future ROWs as 41 m. EC clarified that the Region does not own the lands for the entire future ROW as there are properties participating in the developments.</p>	
<p>3.5 EC noted that the Region agrees with the provision of a 1.5 m wide sidewalk and a 1.5 m multi-use path (or more correctly cycle track) to provide separation between pedestrians and cyclists.</p>	
<p>3.6 EC noted that the Region is considering the option to swap the position of the boulevard tree planting and the LIDs such that the LIDs would be placed further away from the roadway to avoid salt impacts to the groundwater, especially in areas with a high groundwater table. These options would be reviewed during detailed design.</p>	
<p>3.7 HL noted that three of the LID options considered seemed to be more preferred and asked if all three options would be employed within the corridor.</p> <p>EC clarified that during detailed design, based on additional geotechnical investigations, for areas that have high groundwater tables, we may choose to implement the option that provides more separation between LID and groundwater table. JV clarified that the vegetated / bioswale design would be more practical to employ in areas of high groundwater table.</p>	
<p>3.8 EC noted that the Region's Forestry Group is currently implementing a LID pilot project and the Region will consider the results of this pilot for incorporation into this project during detailed design.</p>	


<b>The following items were discussed</b>	<b>Action by</b>
<p>3.9 LC noted that the City's preferred width for a cycle track is 1.8 m, this is the City's standard. The City would only consider 1.5 m wide cycle track in constrained conditions. The understanding is that this area is not constrained. LC also noted that micro-mobility devices will need to be accommodated on the cycle track alongside cyclists. EC noted that he would follow up with the Region's Active Transportation group to inquire if a 1.8 m wide cycle track could be considered.</p> <p>Since the LID width cannot be confirmed during EA, as a minimum a 1.5 m cycle track can be provided in the EA. During Detailed Design, it may be increased to 1.8 m upon confirmation of the LID footprint required.</p> <p>RB asked if the City would consider a wider multi-use path only on one side. LC noted that this could be considered if development is on one side of the road only, but since this area will have development on both sides, having the multi-use path on only one side of the road is not appropriate.</p>	Region
<p>3.10 HL noted that the request for a continuous sidewalk along the entire corridor was made by the Urban Design Group. The concern was that the original cross-section provided a multi-use path on each side of the road but, because of potential conflicts between pedestrians and cyclists, the preference from City staff is to have separated facilities. LC also noted that City Council only supports separated facilities. Burnside will ensure that the term cycle track is used instead of multi-use path.</p>	
<p>3.11 EC asked Burnside to confirm the width of the LID facilities. Burnside confirmed that 2.6 m is the minimum width for the LID facilities. EC noted that the minimum width for the boulevard planting is 3.5 m and operational staff will want to have a minimum of 2.0 m wide boulevard space adjacent to the road for snow storage. The curb and gutter could be reduced from 0.5 m to 0.3 m.</p> <p>LC asked why the minimum width for boulevard planting is 3.5 m. EC noted that 3.5 m is the requirement from the Region's Forestry Group.</p>	Burnside
<p>3.12 HTL asked the City from an operations perspective, what is the service level for both paved and concrete areas and what would be the maintenance priority in the winter.</p> <p>HT noted that the City only completes one pass of clearing in the winter. HT noted that the cycle tracks may not be maintained in the</p>	

<b>The following items were discussed</b>	<b>Action by</b>
<p>winter, but MUPs would have the same frequency of service as the roads. LC clarified that cycle tracks are to be maintained at the same level of service as the travel lanes.</p>	
<p>3.13 EC asked if the City would consider the use of porous asphalt for the cycle track to provide additional LID. City to follow up internally.</p> <p>LC noted that City Engineering and Operations staff will be meeting internally to review the design requirements for cycle tracks and MUPs.</p>	City
<p>3.14 RB asked about the maintenance responsibility for cycle track. EC noted that Region would be responsible for maintaining the road and the City would be responsible for maintaining the boulevard.</p> <p>RB asked for confirmation if this cross-section can be moved forward as the preferred cross-section, or would the City be anticipating further comments from Operations staff?</p> <p>LC inquired about the division of maintenance responsibility between Region and City for cycle tracks, noting some examples where the Region has built and maintained cycle tracks on Regional roads.</p> <p>EC indicated for these two corridors, the expectation from the Region is the City will be responsible for paying for the construction and maintenance of the cycle tracks on the boulevards.</p>	
<p>3.15 EC noted that there is a potential for additional cost and maintenance requirements to the City for additional illumination at the street tree to illuminate both sidewalk and cycle track.</p>	
<p>3.16 HL asked about the project schedule. EC noted the plan is to have a second open house after the municipal election, the draft ESR available for early 2023 and the final EA around April 2023. The Region is planning to move into the detailed design phase quickly following EA filing and will start the pre-qualification process based on the draft ESR.</p>	

The preceding are the minutes of the meeting as observed by the undersigned. Should there be a need for revision, please advise Burnside within seven days of issuance. In the absence of notification to the contrary, these minutes will be deemed to be an accurate record of the meeting.

Minutes prepared by:

**R.J. Burnside & Associates Limited**



Jennifer Vandermeer, P.Eng.

Project Manager

JV:clr

Distribution:

All Attendees

Mark Siu (MSiu@markham.ca), City of Markham (via email)

Alain Cachola (ACachola@markham.ca), City of Markham (via email)

Deanna DeForest (Deanna.DeForest@rjburnside.com), R.J. Burnside & Associates Limited (via email)

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220906\_City of Markham Meeting  
9/26/2022 11:15 AM



## Amanda Olmstead

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Thursday, March 09, 2023 3:23 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Li, Vince; Nurani, Kadin  
**Subject:** FW: Public Transit along Kennedy & Warden Rd

For your record/file.

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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**From:** Chiu, Edward  
**Sent:** Thursday, March 9, 2023 11:15 AM  
**To:** 'Liu, Han' <HLiu@markham.ca>  
**Cc:** Zhao, JuanJuan <JZhao@markham.ca>; Lee, Jessica <Jessica.Lee@york.ca>  
**Subject:** RE: Public Transit along Kennedy & Warden Rd

Good morning Han,

As part of the current EAs on Warden Ave. and Kennedy Rd. between Major Mackenzie Dr. to Elgin Mills Rd., we are anticipating transit stops at each of the new collector roads, as well as at the Major Mackenzie Dr. and Elgin Mills Rd. intersections.

If there are other locations that the City feel we should provide transit stops please let me know and we will consult with York Region Transit team.

Please note currently there are no transit services north of Major Mackenzie Drive.

If you require any additional or other information please feel free to contact me.

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

-----  
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1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

Our Mission: **Working together to serve our thriving communities – today and tomorrow**

**From:** Liu, Han <[HLiu@markham.ca](mailto:HLiu@markham.ca)>  
**Sent:** Wednesday, March 8, 2023 10:01 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Zhao, JuanJuan <[JZhao@markham.ca](mailto:JZhao@markham.ca)>  
**Subject:** Public Transit along Kennedy & Warden Rd

**CAUTION!** This is an external email. Verify the sender's email address and carefully examine any links or attachments before clicking. If you believe this may be a phishing email, forward it to [isitsafe@york.ca](mailto:isitsafe@york.ca) then delete it from your inbox. If you think you may have clicked on a phishing link, report it to the IT Service Desk, ext. 71111, and notify your supervisor immediately.

Morning Edward,

Hope all is well.

My name is Han Liu and I am the streetscape coordinator at the City of Markham. I am reaching out in regard to the public transit stops along Kennedy & Warden at the Future Urban Area (FUA), stretching from Major Mackenzie to Elgin Mill.

Markham is reviewing a few development applications at the FUA. We hope to ensure pedestrian connections from the future communities to the transit stops along the two roads. Would the Region be able to share any drawings that indicate the transit stops alongside the roads? We also know there is an active EA study for Kenney and Warden, would it involve any changes to the transit stops there?

We wonder if you could help us with these questions or direct us to the right person.

Thank you very much. Look forward to hearing from you.

Best regards,

**Han Liu**, OALA, CSLA, ISA ARBORIST  
Streetscape Coordinator, Urban Design  
Development Services Commission  
City of Markham  
T: 905-477-7000 x 2434



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## Amanda Olmstead

---

**From:** Jennifer Vandermeer  
**Sent:** Wednesday, March 15, 2023 11:36 AM  
**To:** Deanna De Forest  
**Subject:** FW: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

---

**From:** Riad, Marina <MRiad@markham.ca>  
**Sent:** Monday, March 06, 2023 10:38 PM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Chiu, Tony <TChiu@markham.ca>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Julianna Arcese <Julianna.Arcese@rjburnside.com>; Rhoshell Baker <Rhoshell.Baker@rjburnside.com>; Ray Bacquie <Ray.Bacquie@rjburnside.com>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Hi Jennifer,

Yes, Victoria Glen was completed in 2020.

Please let me know if you have any further questions. We will be waiting for your team's response on our follow up comment.

Thank you,

Marina Riad

---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** Thursday, March 2, 2023 1:28 PM  
**To:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Chiu, Tony <[TChiu@markham.ca](mailto:TChiu@markham.ca)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Hi Marina,

Thank-you for providing this additional feedback. By way of this email, I am copying the team working on the preliminary design plans and ask that they look further at the Collector Road EW-1 / Warden Avenue intersection configuration to confirm we are showing four lanes on EW-1 through this intersection.

Also, as part of the preparation of the draft ESR, we were hoping to confirm the date of completion for all the Collector Road Class EAs part of the North Markham FUA. We've been able to confirm all the completion dates except for the Victoria Glen EA as unfortunately the links provided on the City's webpage for the North Markham FUA for this Class EA are temporarily unavailable. Was the Victoria Glen Class EA completed in 2020, like Berczy Glen and Robinson Glen?

Best regards,

Jennifer





**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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[www.rjburnside.com](http://www.rjburnside.com)

---

**From:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Sent:** Thursday, March 02, 2023 9:57 AM  
**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Chiu, Tony <[TChiu@markham.ca](mailto:TChiu@markham.ca)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Hi Jennifer and Edward,

Thank you for providing responses to our comments. The team has reviewed them and we only have one follow up comment – please see attached for comment #25.

Thank you,

Marina Riad

---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** Thursday, February 9, 2023 11:44 AM  
**To:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; HT Lam <[HT.Lam@rjburnside.com](mailto:HT.Lam@rjburnside.com)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Good afternoon, Marina,

Please find attached our study team responses to City comments. Please note for Comment 015, we expanded this into separate rows to capture the Urban Design team comments provided on the separate PDF file. Should you have any questions, please don't hesitate to contact us.

Best regards,

Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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Item No.	Submission	Discipline	Drawing No./ Document No. Specification Section/ Page No.	Review Comment	Response and Details (Submitter)
001	Interim ESR	Engineering	2.4.4.	For the final ESR, please update with EA completion dates of those EA identified	Acknowledged. The EA completion dates will be identified in the final ESR.
002	Interim ESR	Development Planning		For your information, please see find attached latest development application status in the area (March 2022)	Acknowledged. Thank-you for this information.
003	Evaluation Matrix	Engineering	X-section	Please provide detail for the introduction of the 0.5 limited marked median to the X-section (i.e. Is this a new requirement for arterial roads, is it safer?)	The narrow marked median (1.0m) is included to provide some separation between northbound and southbound travel lanes.
004	Evaluation Matrix	Transportation	Evaluation Matrix	while the x-section do not detail the AT facility dimensions, the City is seeking separated facilities for pedestrians / cyclists. Please clarify the proposed AT facility type	Acknowledged. The typical cross-section has been revised to include separated facilities for pedestrians (sidewalk) and cyclists (cycle track).
005	Evaluation Matrix	Urban Design	Evaluation Matrix	The abovementioned segments are located within the Future Urban Area (FUA). The FUA Conceptual Master Plan Community Structure Plan envisions both arterials as neighborhood mixed-use corridors. The plan also identifies mixed-use high-rise developments with retail focuses at key intersections along Major Mackenzie Drive as well as several other neighborhood service nodes along both corridors. Streetscape design considerations along mixed-use nodes should balance transportation needs while supporting active retail frontages to create a larger public realm.	Acknowledged.
006	Evaluation Matrix	Urban Design	X-section	Please clarify the purpose of a 0.5 limited marked median proposed for Alternative Design Concept 3. Staff suggest a raised median with shrubs in the center of the road similar to what has been illustrated in Design Concept 1, if possible. The width of the raised median can be reduced if needed. Please refer to the sketch attached.	The narrow marked median (1.0m) is included to provide some separation between northbound and southbound travel lanes. The study team did consider the application of raised medians with planting via Alternative 1 and 2 provided 3.0m and 5.0m raised medians respectfully. However, given the balance of features to accommodate within the right-of-way (e.g. separated sidewalk, boulevard tree planting, cycle track, LIDs, softscape, and two lanes of traffic in each direction), only a 1.0m median can be accommodated and is illustrated accordingly in the preferred design concept cross-section provided at Online Open House 2.
007	Evaluation Matrix	Urban Design	X-section	Street tree planting should be maximized along the corridor where feasible. Consider planting double row of trees in key locations, where possible.	Acknowledged.
008	Evaluation Matrix	Urban Design	X-section	Please consider introducing street furniture such as seating elements and trash receptacles.	Acknowledged. Consideration for street furniture is to be incorporated at the detailed design phase of the project.
009	Evaluation Matrix	Urban Design	X-section	Staff recommend separating the boulevard sidewalk and MUP to minimize conflicts and enhance a retail supportive corridor. LID features can be moved closer to the curb which allows more room to accommodate a sidewalk. Please refer to the sketch attached.	Acknowledged. The typical cross-section has been revised to include separated facilities for pedestrians (sidewalk) and cyclists (cycle track).
010	PIC #2	Urban Design	Street Trees	Provide double rows of boulevard trees wherever possible. Trees are recommended to be planted 8- 12m apart (10 m is preferred). Maintain a consistent planting distance wherever possible.	Acknowledged. Boulevard trees are to be planted 1.5m to 2m on centre from back of curb or other concrete surface (e.g. sidewalk); planting trees any closer will cause the roots to buckle these surfaces as the trees mature. Spacing for tree planting is therefore limited to the 3.5 m planted boulevard area based a single row of trees. Trees can be spaced 10 m apart.
011	PIC #2	Urban Design	Street Trees	Indicate aboveground utilities such as hydro poles, light poles, and fire hydrants on the plans as they may impact tree locations.	Acknowledged. Aboveground utilities will be included on the preliminary design plans prepared as part of the EA.
012	PIC #2	Urban Design	Pedestrian connections at intersections	At the intersections, trim the boulevard planting areas that are close to the property line to create direct pedestrian connections from the sidewalks to the crossings. Please see one example in column G	Acknowledged. Pedestrian connections from the sidewalks to the crossings at intersections will be illustrated on preliminary design plans.
013	PIC #2	Urban Design	Pedestrian connections at intersections	Curb ramps and tactile surfaces should be provided at all crossings. Please see one example in column G	Acknowledged. Curb ramps and tactile surfaces at crossings will be illustrated on preliminary design plans.
014	PIC #2	Urban Design	LID features	Show locations of box trenches and bioswales on the roll plans and provide typical streetscape section(s) for review.	The proposed LID features will be shown on the preliminary design plans prepared as part of the EA. Based on the stormwater management plans, all of the LID features in the Warden Avenue corridor are box trenches. Therefore, for Warden Avenue, the typical cross-section as shown on the OOH2 slides is reflective of the preferred cross-section along the corridor.
015	PIC #2	Urban Design	LID features	Refer to the mark-up drawings attached to the email for additional comments	
a				Consider revising the section or provide a new one to show bioswale design in relation to other proposed street elements. Introduce trees to the boulevard areas that are closer to the curbline.	Based on the stormwater management plans, all the LID features in the Warden Avenue corridor are box trenches. As such, the study team does not intend to prepare a new concept / section to illustrate the bioswale design. York Region requires a minimum width of 3.4m for tree planting behind the curb. Based on the preferred design concept cross-section, the boulevard area closer to the curb (softscape) is 2.7 m wide, which is less than the Region's minimum standard for tree planting. Spacing for tree planting is therefore limited presently to the 3.5 m planted boulevard area between the sidewalk and cycle track. During the detailed design phase of the project, the softscape width will be further reviewed to confirm if additional tree planting can be achieved.
b				Bioswale Design - Bioswales appear to be next to the curb based on this section. However, the roll plans indicate boulevard planting areas in between the LID feature and curbline. Please clarify locations of bioswales. - Consider planting trees on the top of the bioswales wherever possible. - Besides meadow flowers and ornamental grasses, consider introducing shrubs to increase planting diversity.	Based on the stormwater management plans, all of the LID features in the Warden Avenue corridor are box trenches. The bioswale design was identified on the preferred design concept slide from the Online Open House #2 as an alternative option to the preferred box trench design for areas that have higher water table or limited space. To clarify, the boulevard planting areas are between the sidewalk and the cycle track. Trees should not be planted within LIDs as they will act as dams, clogging up the system. Shrub planting within LIDs along roads is problematic as they will collect/catch litter more and are not able to withstand period flooding. Planting with flowers and grasses can still be diverse with various perennial species in grouping of 7 or more per clusters.
c				Box Trench Design - Would it be possible to raise the grade inside the box trench to avoid uses of guardrails? This also allows pedestrians to better benefit aesthetic values of the flowers and grasses. - Besides meadow flowers and ornamental grasses, consider introducing shrubs to increase planting diversity.	Guardrails are proposed for the inside edge of the box trench to provide a safety barrier between the LID and the cycle track. The depth of the box trench is designed to be 1.2m below grade; the lower 1.0m of this depth includes a granular base, filter media, plantings, with the remaining upper 0.2m of this depth to provide surface ponding in the box above the filter medium thus providing an opportunity for additional infiltration, and quantity control volumes. Shrub planting within LIDs along roads is problematic as they will collect/catch litter more and are not able to withstand period flooding. Planting with flowers and grasses can still be diverse with various perennial species in grouping of 7 or more per clusters.
d				Planting species selection for LID features shall consider with hardy native / non-invasive plants with a strong root system and the ability to withstand both wet and dry conditions, including salt-tolerant shrubs, herbaceous perennials, and warm and cool weather grasses.	Acknowledged.
e				Consider adding LID facilities in marked areas.	LID features have been optimized in the Warden Avenue right-of-way to meet water quantity and quality objectives. The proposed locations for LID features, which are illustrated on the stormwater management plans prepared in support of the EA study are based on groundwater levels. Consideration for adding additional LID features will be made at the detailed design stage of the project.
016	PIC #2	Urban Design	City track markings	Provide pavement markings for the cycle track to indicate the bike travel directions.	Acknowledged. Symbols indicating direction of bike travel will be illustrated on preliminary design plans.
017	PIC #2	Urban Design	Street furniture	Consider introducing street furniture (e.g., benches, bike racks, and trash receptacles) to the corridors, particularly at retail-focused intersections and neighborhood service nodes as identified by the FUA Conceptual Master Plan Community Structure Plan.	Acknowledged. Consideration for street furniture is to be incorporated at the detailed design phase of the project.
018	PIC #2	Urban Design	MUP roll plan	3m MUPs on the collector roads abutting Warden Avenue should be shown on the Warden Avenue Roll Plan.	Acknowledged. The preliminary design will include the MUPs on the collector roads.
019	PIC #2	Development Engineering	General	Please see attached to the email a list of development projects that are within the vicinity of the EA	Acknowledged. Thank-you for this information.



020	PIC #2	Transportation	General	Please ensure that the collector roads intersecting to Warden are as per the approved collector roads EA.	The locations of the proposed collector roads have been established on our preliminary design plans as per the collector road EA plans supplied by the Region.
021	PIC #2	Transportation		The preferred design for Kennedy Road shows AT facilities on the intersecting collector roads. The preferred design for Warden Avenue should also be consistent to Kennedy Road in showing the AT facilities on the intersecting collector roads.	See response to Item 18.
023	PIC #2	Environmental Engineering	LID features	Regarding proposed LID feature location near the existing culverts under Warden Avenue. Please see screenshot in col G for the comment. Also, the attachments to this email are details of the proposed HDF connecting to the existing culverts under Warden Avenue. LID designer needs to be aware of the potential space conflict at this location.	There are no LID features proposed at this location due to very high groundwater table. This condition is reflected in the stormwater management plans.
024	PIC #2	Capital	Presentation - Slide 23	Please clarify drainage at east side of the preferred design concept	The cross-section provided on Slide 23 was intended to illustrate the constraints posed by the existing cemetery on the east side of Kennedy Road. Grades on the east side of the road corridor at this particular location are understood to slope toward the east. The preliminary design will include cross-sections at 20 m intervals, which will illustrate the existing and proposed drainage on the east (and west) sides of Warden Avenue outside the right-of-way.
025	PIC #2 - Follow up	Transportation	Regarding comment #20 response	EW-1 is a major collector road consisting of four lanes through the intersection. This is not shown in the preferred design for Warden Ave.	
026					

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**From:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Sent:** Thursday, January 12, 2023 11:34 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>; Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Good morning Edward,

Please find attached to this email our comments along with some attachments relating to our comments. Our comments for PIC #2 start at item 10 on both sheets in the attached excel file.

I believe we never received a response for our previous comments (1-10). Please respond to them as well.

Please let me know if you have any questions.

Thank you,

Marina Riad

---

**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Sent:** Thursday, January 5, 2023 2:53 PM  
**To:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Cc:** [Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com); [Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com); Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Thanks Marina.

And happy new year to you as well.

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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---

**From:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Sent:** Thursday, January 5, 2023 2:47 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** [Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com); [Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com); Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** FW: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

## Amanda Olmstead

---

**From:** Jennifer Vandermeer  
**Sent:** Wednesday, March 15, 2023 11:35 AM  
**To:** Deanna De Forest  
**Subject:** FW: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham  
**Attachments:** 20230104\_Warden and Kennedy EA Markup Drawings - UD Comments.pdf

---

**From:** Riad, Marina <MRiad@markham.ca>  
**Sent:** Friday, January 13, 2023 3:19 PM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Siu, Mark <MSiu@markham.ca>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Ray Bacquie <Ray.Bacquie@rjburnside.com>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Good afternoon Jennifer,

Apologies, I thought I attached them.

Please find it attached to this email.

Thank you,

Marina Riad

---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** Friday, January 13, 2023 12:59 PM  
**To:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Hi Marina,

Thank-you for providing the City staff comments on Online Open House 2 slides. Regarding comment 15 (applies to both Warden and Kennedy), can you please clarify where we might find the mark-up drawings referred to in this comment? Unfortunately, I don't see markup drawings in your email.

Best regards,

Jennifer

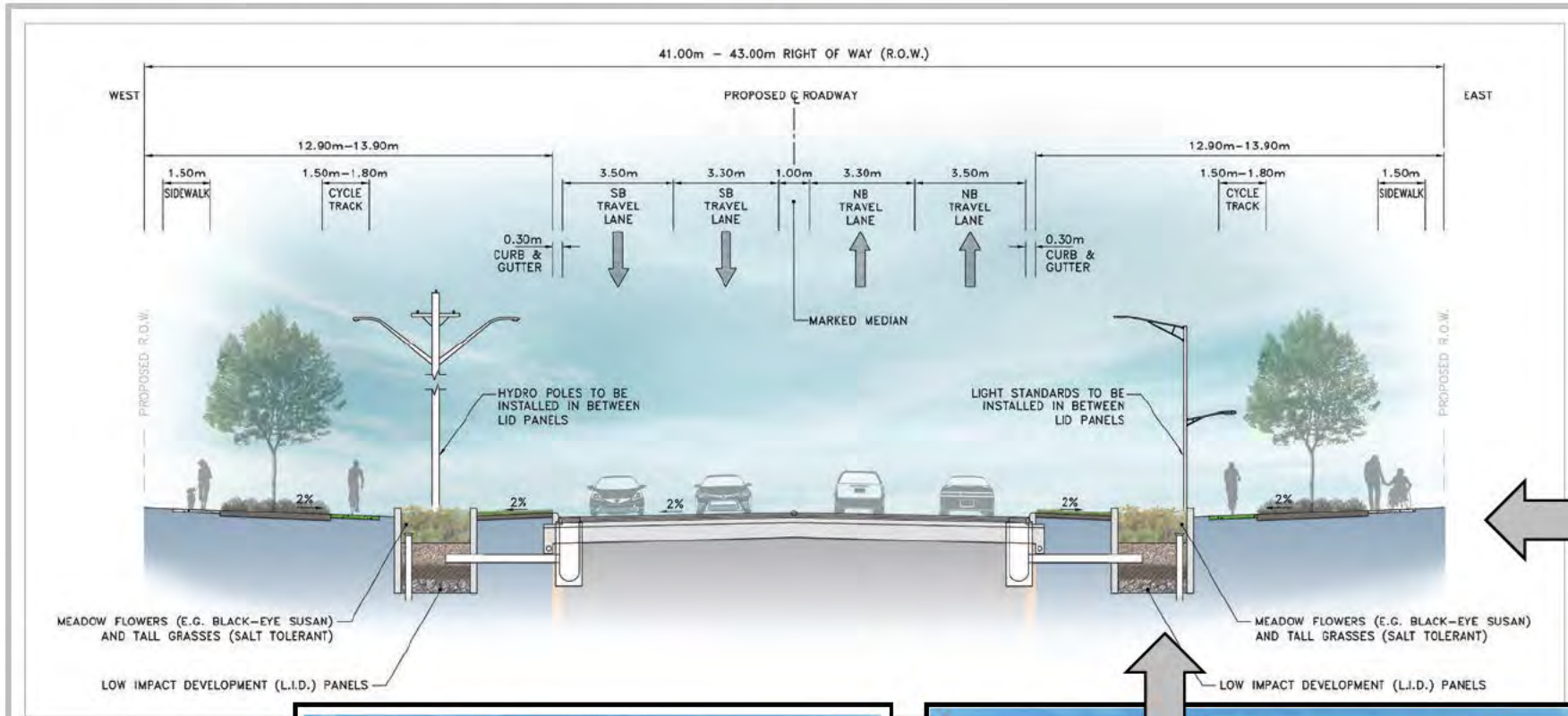


Jennifer Vandermeer, P.Eng.  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)



# Preferred Design Concept



Possible Examples for Separated Sidewalk and Cycle Track

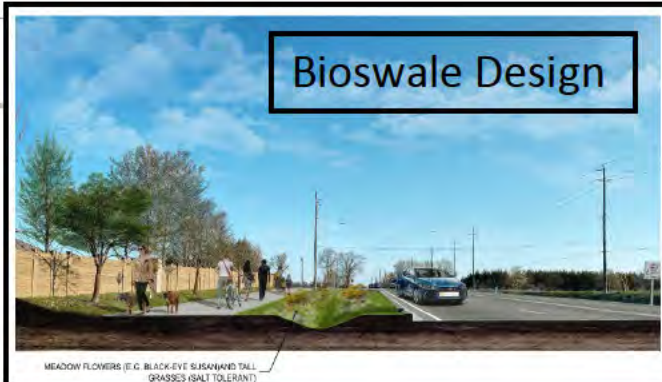


Source: Alta. <https://altago.com/separated-bike-lanes/>

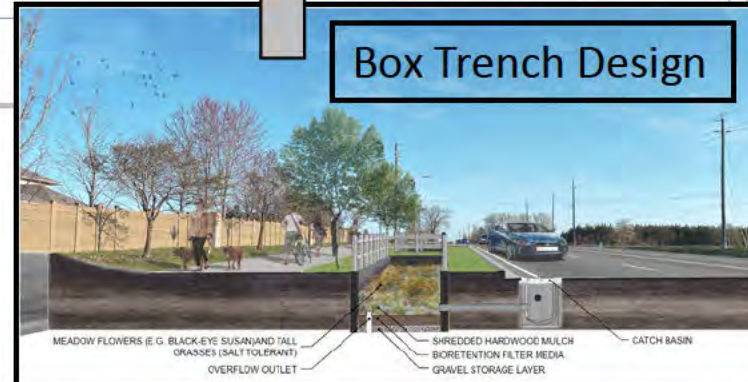


Source: York Region Millway Avenue

Bioswale Design

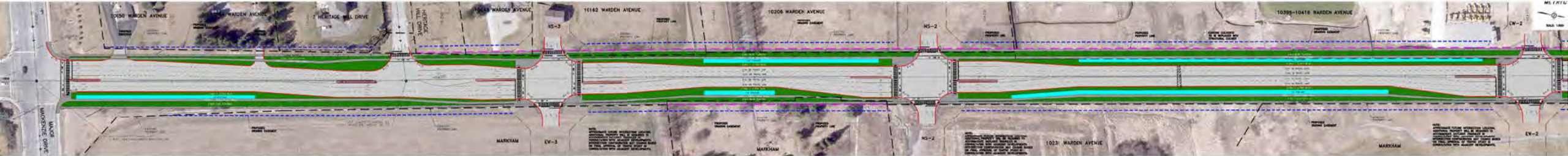


Box Trench Design




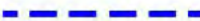

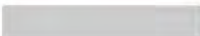






# Preferred Design Concept - Warden Avenue - Plan View

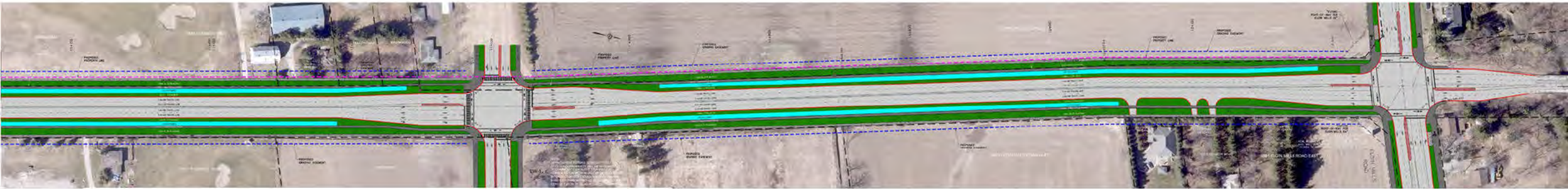
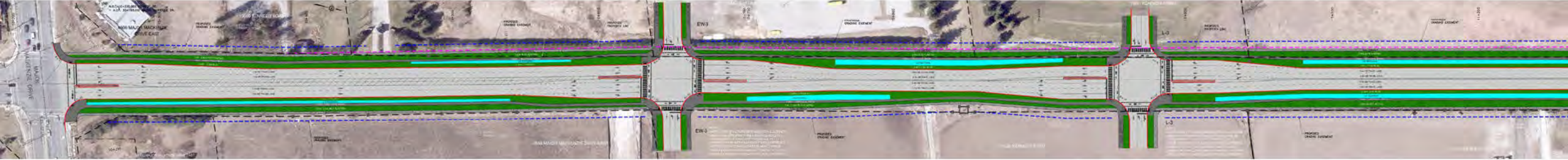


## LEGEND

	PROPOSED SIDEWALK		PROPOSED BOULEVARD TREE
	PROPOSED CYCLE TRACK		PROPOSED CURBLINE
	PROPOSED BLVD / PLANTING		PROPOSED GRADING EASEMENT
	PROPOSED LOW IMPACT DEVELOPMENT		PROPOSED PROPERTY LINE
	PROPOSED ASPHALT		EXISTING PROPERTY LINE
			FUTURE RIGHT-OF-WAY



# Preferred Design Concept - Kennedy Road - Plan View



## LEGEND



- PROPOSED SIDEWALK
- PROPOSED CYCLE TRACK
- PROPOSED BLVD / PLANTING
- PROPOSED LOW IMPACT DEVELOPMENT
- PROPOSED ASPHALT



PROPOSED BOULEVARD TREE



PROPOSED CURBLINE



PROPOSED GRADING EASEMENT



PROPOSED PROPERTY LINE



EXISTING PROPERTY LINE



FUTURE RIGHT-OF-WAY



Pronouns: (She/Her/Hers)

---

**From:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Sent:** Thursday, January 12, 2023 11:34 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>; Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Good morning Edward,

Please find attached to this email our comments along with some attachments relating to our comments. Our comments for PIC #2 start at item 10 on both sheets in the attached excel file.

I believe we never received a response for our previous comments (1-10). Please respond to them as well.

Please let me know if you have any questions.

Thank you,

Marina Riad

---

**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Sent:** Thursday, January 5, 2023 2:53 PM  
**To:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Cc:** [Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com); [Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com); Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** RE: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

Thanks Marina.

And happy new year to you as well.

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

-----  
The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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Item No.	Submission	Discipline	Drawing No./ Document No. Specification Section/ Page No.	Review Comment	Response and Details (Submitter)
001	Interim ESR	Engineering	2.4.4.	For the final ESR, please update with EA completion dates of those EA identified	
002	Intermin ESR	Development Planning		For your information, please see find attached latest development application status in the area (March 2022)	
003	Evaluation Matrix	Engineering	X-section	Please provide detail for the introduction of the 0.5 limited marked median to the X-section (i.e. Is this a new requirement for arterial roads, is it safer?)	
004	Evaluation Matrix	Transportation	Evaluation Matrix	while the x-section do not detail the AT facility dimensions, the City is seeking separated facilities for pedestrians / cyclists. Please clarify the proposed AT facility type	
005	Evaluation Matrix	Urban Design	Evaluation Matrix	<ul style="list-style-type: none"> <li>The abovementioned segments are located within the Future Urban Area (FUA). The FUA Conceptual Master Plan Community Structure Plan envisions both arterials as neighborhood mixed-use corridors. The plan also identifies mixed-use high-rise developments with retail focuses at key intersections along Major Mackenzie Drive as well as several other neighborhood service nodes along both corridors. Streetscape design considerations along mixed-use nodes should balance transportation needs while supporting active retail frontages to create a larger public realm.</li> </ul>	
006	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Please clarify the purpose of a 0.5 limited marked median proposed for Alternative Design Concept 3. Staff suggest a raised median with shrubs in the center of the road similar to what has been illustrated in Design Concept 1, if possible. The width of the raised median can be reduced if needed. Please refer to the sketch attached.</li> </ul>	
007	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Street tree planting should be maximized along the corridor where feasible. Consider planting double row of trees in key locations, where possible.</li> </ul>	
008	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Please consider introducing street furniture such as seating elements and trash receptacles.</li> </ul>	
009	Evaluation Matrix	Urban Design	X-section	<ul style="list-style-type: none"> <li>Staff recommend separating the boulevard sidewalk and MUP to minimize conflicts and enhance a retail supportive corridor. LID features can be moved closer to the curb which allows more room to accommodate a sidewalk. Please refer to the sketch attached.</li> </ul>	
010	PIC #2	Urban Design	Street Trees	Provide double rows of boulevard trees wherever possible. Trees are recommended to be planted 8– 12m apart (10 m is preferred). Maintain a consistent planting distance wherever possible.	
011	PIC #2	Urban Design	Street Trees	Indicate aboveground utilities such as hydro poles, light poles, and fire hydrants on the plans as they may impact tree locations.	
012	PIC #2	Urban Design	Pedestrian connections at intersections	At the intersections, trim the boulevard planting areas that are close to the property line to create direct pedestrian connections from the sidewalks to the crossings. Please see one example in column G	
013	PIC #2	Urban Design	Pedestrian connections at intersections	Curb ramps and tactile surfaces should be provided at all crossings. Please see one example in column G	
014	PIC #2	Urban Design	LID features	Show locations of box trenches and bioswales on the roll plans and provide typical streetscape section(s) for review.	
015	PIC #2	Urban Design	LID features	Refer to the mark-up drawings attached to the email for additional comments	
016	PIC #2	Urban Design	City track markings	Provide pavement markings for the cycle track to indicate the bike travel directions.	
017	PIC #2	Urban Design	Street furniture	Consider introducing street furniture (e.g., benches, bike racks, and trash receptacles) to the corridors, particularly at retail-focused intersections and neighborhood service nodes as identified by the FUA Conceptual Master Plan Community Structure Plan.	
018	PIC #2	Urban Design	MUP roll plan	3m MUPs on the collector roads abutting Warden Avenue should be shown on the Warden Avenue Roll Plan.	
019	PIC #2	Development Engineering	General	Please see attached to the email a list of development projects that are within the vicinity of the EA	
020	PIC #2	Transportation	General	Please ensure that the collector roads intersecting to Warden are as per the approved collector roads EA.	
021	PIC #2	Transportation		The preferred design for Kennedy Road shows AT facilities on the intersecting collector roads. The preferred design for Warden Avenue should also be consistent to Kennedy Road in showing the AT facilities on the intersecting collector roads.	
023	PIC #2	Environmental Engineering	LID features	Regarding proposed LID feature location near the existing culverts under Warden Avenue. Please see screenshot in col G for the comment. Also, the attachments to this email are details of the proposed HDF connecting to the existing culverts under Warden Avenue. LID designer needs to be aware of the potential space conflict at this location.	

024	PIC #2	Capital	Presentation - Slide 23	Please clarify drainage at east side of the preferred design concept	
025					

---

**From:** Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
**Sent:** Thursday, January 5, 2023 2:47 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** [Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com); [Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com); Siu, Mark <[MSiu@markham.ca](mailto:MSiu@markham.ca)>  
**Subject:** FW: 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

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Hello Edward,

Happy new year!

I just wanted to let you know that we are compiling comments from staff and should send you all our comments by end of next week.

Thank you,

Marina Riad

---

**From:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Sent:** Thursday, November 17, 2022 4:28 PM  
**To:** [FisheriesProtection@dfo-mpo.gc.ca](mailto:FisheriesProtection@dfo-mpo.gc.ca); [CentralFBCPlanning@HydroOne.com](mailto:CentralFBCPlanning@HydroOne.com); [SecondaryLandUse@HydroOne.com](mailto:SecondaryLandUse@HydroOne.com); [Susan.SUN@HydroOne.com](mailto:Susan.SUN@HydroOne.com); EA Notices to CRegion (MECP) <[eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca)>; [Erinn.Lee2@ontario.ca](mailto:Erinn.Lee2@ontario.ca); [paul.heeney@ontario.ca](mailto:paul.heeney@ontario.ca); Andersen, Jeff (MECP) <[Jeff.Andersen@ontario.ca](mailto:Jeff.Andersen@ontario.ca)>; [sean.fraser@ontario.ca](mailto:sean.fraser@ontario.ca); [maria.jawaid@ontario.ca](mailto:maria.jawaid@ontario.ca); [laura.e.hatcher@ontario.ca](mailto:laura.e.hatcher@ontario.ca); [karla.barboza@ontario.ca](mailto:karla.barboza@ontario.ca); Dan Minkin ([Dan.minkin@ontario.ca](mailto:Dan.minkin@ontario.ca)) <[dan.minkin@ontario.ca](mailto:dan.minkin@ontario.ca)>; [wayne.emmerson@york.ca](mailto:wayne.emmerson@york.ca); [regionalclerk@york.ca](mailto:regionalclerk@york.ca); [katherine.chislett@york.ca](mailto:katherine.chislett@york.ca); [AccessYork@york.ca](mailto:AccessYork@york.ca); Deputy Mayor, Don Hamilton – Markham <[DHamilton@markham.ca](mailto:DHamilton@markham.ca)>; Hutcheson, Regan <[rhutcheson@markham.ca](mailto:rhutcheson@markham.ca)>; Wokral, Peter <[pwokral@markham.ca](mailto:pwokral@markham.ca)>; Manning, Evan <[EManning@markham.ca](mailto:EManning@markham.ca)>; [info@yrp.ca](mailto:info@yrp.ca); Scovell, Jason <[JScovell@markham.ca](mailto:JScovell@markham.ca)>; Mayor Scarpitti <[MayorScarpitti@markham.ca](mailto:MayorScarpitti@markham.ca)>; Regional Councillor, Jack Heath - Markham <[jheath@markham.ca](mailto:jheath@markham.ca)>; Councillor, Amanda Collucci - Markham <[ACollucci@markham.ca](mailto:ACollucci@markham.ca)>; Regional Councillor, Alan Ho - Markham <[Alan.ho@markham.ca](mailto:Alan.ho@markham.ca)>; Crickmay, Andrew <[ACrickmay@markham.ca](mailto:ACrickmay@markham.ca)>; [ken.butt@bell.ca](mailto:ken.butt@bell.ca); 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Contact Centre Customer Service <[Contact@markham.ca](mailto:Contact@markham.ca)>; [info@OnTheRoadWithRespect.ca](mailto:info@OnTheRoadWithRespect.ca); [tkim@angusglen.com](mailto:tkim@angusglen.com); [markhamcycles@cleanairpartnership.org](mailto:markhamcycles@cleanairpartnership.org); [info@markhamboard.com](mailto:info@markhamboard.com); [denis@skylightsunlimited.ca](mailto:denis@skylightsunlimited.ca); [CachetEstatesRA@gmail.com](mailto:CachetEstatesRA@gmail.com); [ppelegris@yahoo.ca](mailto:ppelegris@yahoo.ca); Tari, Alida <[atari@markham.ca](mailto:atari@markham.ca)>; [asirianni@gwdplanners.com](mailto:asirianni@gwdplanners.com); Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>; Tari, Alida <[atari@markham.ca](mailto:atari@markham.ca)>; Cachola, Alain <[ACachola@markham.ca](mailto:ACachola@markham.ca)>; Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>  
**Cc:** Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>  
**Subject:** 052314-A-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham



**CAUTION: This email originated from a source outside the City of Markham. DO NOT CLICK on any links or attachments, or reply unless you recognize the sender and know the content is safe.**

On behalf of the Regional Municipality of York, please see the attached Notice of online open house (#2) for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham.

You are invited to take part in the second online open house to learn about the study process, road improvement design options evaluated, preferred design concepts and next steps.

Open house materials are available at [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and can be viewed from **Friday, November 25, 2022 to Friday, January 6, 2023**. Share your comments through the online open house feedback form or send them to [transportation@york.ca](mailto:transportation@york.ca) by Friday, January 6, 2023.

  
**Sylvia Waters**  
Technical Administrator, EPA

R.J. Burnside & Associates Limited  
128 Wellington Street West, Suite 301, Barrie, Ontario L4N 8J6  
Office: +1 800-265-9662 Direct: +1 705-797-4379  
[www.rjburnside.com](http://www.rjburnside.com)

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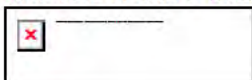


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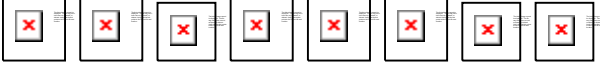






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---

From: Jennifer Vandermeer  
Sent: Thursday, June 22, 2023 4:29 PM  
To: mriad@markham.ca  
Cc: Chiu, Edward; Lee, Jessica; Lalla, Dimitri; Ray Bacquie; Deanna De Forest; Mishaal Rizwan; Julianna Arcese  
Subject: FW: York Warden Avenue EA Study - Draft ESR for Review  
Attachments: Warden and Kennedy EA - Review Sheet - RJB Responses - COM Follow Up.xlsx

Hi Marina,

Thank-you for sharing these comments. We will review and return a copy of the comment spreadsheet with the proposed study team response once ready. If there are any comments requiring clarification, we will reach out to you. Best regards,  
Jennifer



Jennifer Vandermeer, P.Eng.  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

---

From: Riad, Marina <MRiad@markham.ca>  
Sent: Thursday, June 22, 2023 4:11 PM  
To: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
Cc: Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>  
Subject: RE: York Warden Avenue EA Study - Draft ESR for Review

Hi Jennifer,

Please see comments from the City regarding Draft ESR. New comments start at item #26.

Please review and let us know if you have any questions.

Thank you,

Marina Riad

---

From: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
Sent: Thursday, May 25, 2023 2:41 PM  
To: [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca); Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Riad, Marina <[MRiad@markham.ca](mailto:MRiad@markham.ca)>  
Cc: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>  
Subject: York Warden Avenue EA Study - Draft ESR for Review

**CAUTION: This email originated from a source outside the City of Markham. DO NOT CLICK on any links or attachments, or reply unless you recognize the sender and know the content is safe.**

Good afternoon Trevor, Chunmei, Harsha and Marina,

Please find below a link to download the draft ESR for the Warden Avenue EA for your review and comment. We've provided the main ESR and separate PDFs for the Drawing set (preliminary design) and appendices.

[230525\\_Warden\\_Ave\\_Draft  
ESR](#)

**Note: LINK will expire on Friday June 30, 2023.**

We kindly request that you provide any comments on the draft ESR within four weeks' time, so by Thursday June 22, 2023.

Should you have any issues accessing the documents, please let me know. Or if you have any specific questions about the draft ESR, please feel free to reach out.

Best regards,  
Jennifer



292

Jennifer Vandermeer, P.Eng. Office:  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
800-265-9662 Direct: 226-486-1559  
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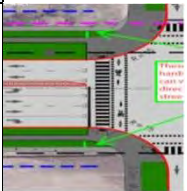
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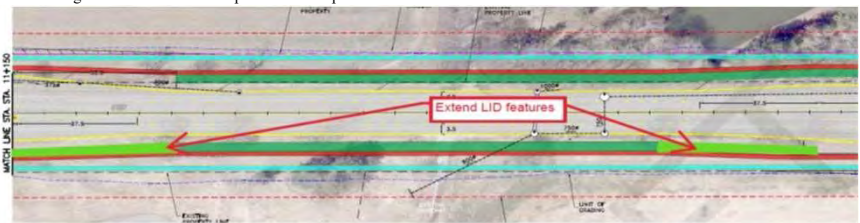
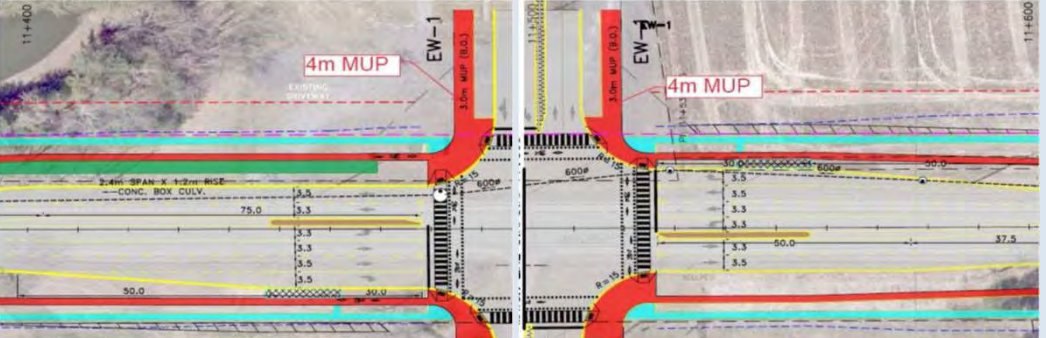


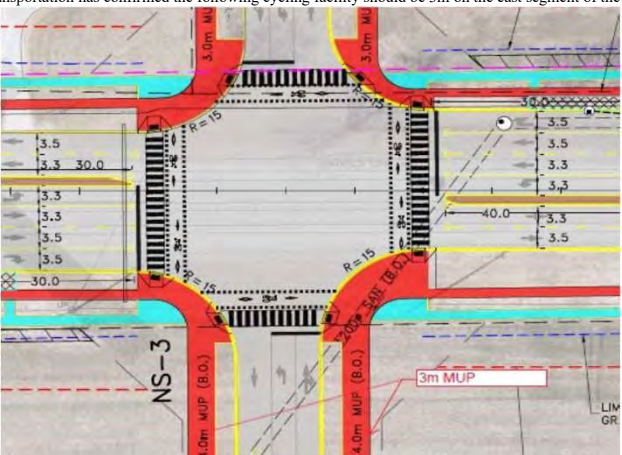
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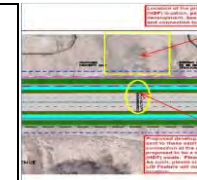


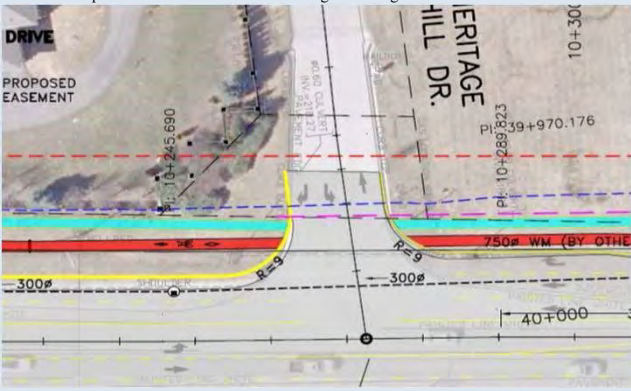
Item No.	Submission	Discipline	Drawing No./ Document No. Specification Section/ Page No.	Review Comment	Response and Details (Submitter)
001	Interim ESR	Engineering	2.4.4.	For the final ESR, please update with EA completion dates of those EA identified	Acknowledged. The EA completion dates will be identified in the final ESR.
002	Interim ESR	Development Planning		For your information, please see find attached latest development application status in the area (March 2022)	Acknowledged. Thank-you for this information.
003	Evaluation Matrix	Engineering	X-section	Please provide detail for the introduction of the 0.5 limited marked median to the X-section (i.e. Is this a new requirement for arterial roads, is it safer?)	The narrow marked median (1.0m) is included to provide some separation between northbound and southbound travel lanes.
004	Evaluation Matrix	Transportation	Evaluation Matrix	while the x-section do not detail the AT facility dimensions, the City is seeking separated facilities for pedestrians / cyclists. Please clarify the proposed AT facility type	Acknowledged. The typical cross-section has been revised to include separated facilities for pedestrians (sidewalk) and cyclists (cycle track).
005	Evaluation Matrix	Urban Design	Evaluation Matrix	• The abovementioned segments are located within the Future Urban Area (FUA). The FUA Conceptual Master Plan Community Structure Plan envisions both arterials as neighborhood mixed-use corridors. The plan also identifies mixed-use high-rise developments with retail focuses at key intersections along Major Mackenzie Drive as well as several other neighborhood service nodes along both corridors. Streetscape design considerations along mixed-use nodes should balance transportation needs while supporting active retail frontages to create a larger public realm.	Acknowledged.
006	Evaluation Matrix	Urban Design	X-section	• Please clarify the purpose of a 0.5 limited marked median proposed for Alternative Design Concept 3. Staff suggest a raised median with shrubs in the center of the road similar to what has been illustrated in Design Concept 1, if possible. The width of the raised median can be reduced if needed. Please refer to the sketch attached.	The narrow marked median (1.0m) is included to provide some separation between northbound and southbound travel lanes. The study team did consider the application of raised medians with planting via Alternative 1 and 2 provided 3.0m and 5.0m raised medians respectfully. However, given the balance of features to accommodate within the right-of-way (e.g. separated sidewalk, boulevard tree planting, cycle track, LIDs, softscape, and two lanes of traffic in each direction), only a 1.0m median can be accommodated and is illustrated accordingly in the preferred design concept cross-section provided at Online Open House 2.
007	Evaluation Matrix	Urban Design	X-section	• Street tree planting should be maximized along the corridor where feasible. Consider planting double row of trees in key locations, where possible.	Acknowledged.
008	Evaluation Matrix	Urban Design	X-section	• Please consider introducing street furniture such as seating elements and trash receptacles.	Acknowledged. Consideration for street furniture is to be incorporated at the detailed design phase of the project.
009	Evaluation Matrix	Urban Design	X-section	• Staff recommend separating the boulevard sidewalk and MUP to minimize conflicts and enhance a retail supportive corridor. LID features can be moved closer to the curb which allows more room to accommodate a sidewalk. Please refer to the sketch attached.	Acknowledged. The typical cross-section has been revised to include separated facilities for pedestrians (sidewalk) and cyclists (cycle track).
010	PIC #2	Urban Design	Street Trees	Provide double rows of boulevard trees wherever possible. Trees are recommended to be planted 8– 12m apart (10 m is preferred). Maintain a consistent planting distance wherever possible.	Acknowledged. Boulevard trees are to be planted 1.5m to 2m on centre from back of curb or other concrete surface (e.g. sidewalk); planting trees any closer will cause the roots to buckle these surfaces as the trees mature. Spacing for tree planting is therefore limited to the 3.5 m planted boulevard area based a single row of trees. Trees can be spaced 10 m apart.
011	PIC #2	Urban Design	Street Trees	Indicate aboveground utilities such as hydro poles, light poles, and fire hydrants on the plans as they may impact tree locations.	Acknowledged. Aboveground utilities will be included on the preliminary design plans prepared as part of the EA.
012	PIC #2	Urban Design	Pedestrian connections at intersections	At the intersections, trim the boulevard planting areas that are close to the property line to create direct pedestrian connections from the sidewalks to the crossings. Please see one example in column G	Acknowledged. Pedestrian connections from the sidewalks to the crossings at intersections will be illustrated on preliminary design plans.
013	PIC #2	Urban Design	Pedestrian connections at intersections	Curb ramps and tactile surfaces should be provided at all crossings. Please see one example in column G	Acknowledged. Curb ramps and tactile surfaces at crossings will be illustrated on preliminary design plans.
014	PIC #2	Urban Design	LID features	Show locations of box trenches and bioswales on the roll plans and provide typical streetscape section(s) for review.	The proposed LID features will be shown on the preliminary design plans prepared as part of the EA. Based on the stormwater management plans, all of the LID features in the Warden Avenue corridor are box trenches. Therefore, for Warden Avenue, the typical cross-section as shown on the OOH2 slides is reflective of the preferred cross-section along the corridor.
015	PIC #2	Urban Design	LID features	Refer to the mark-up drawings attached to the email for additional comments	
a				Consider revising the section or provide a new one to show bioswale design in relation to other proposed street elements. Introduce trees to the boulevard areas that are closer to the curbline.	Based on the stormwater management plans, all the LID features in the Warden Avenue corridor are box trenches. As such, the study team does not intend to prepare a new concept / section to illustrate the bioswale design. York Region requires a minimum width of 3.4m for tree planting behind the curb. Based on the preferred design concept cross-section, the boulevard area closer to the curb (softscape) is 2.7 m wide, which is less than the Region's minimum standard for tree planting. Spacing for tree planting is therefore limited presently to the 3.5 m planted boulevard area between the sidewalk and cycle track. During the detailed design phase of the project, the softscape width will be further reviewed to confirm if additional tree planting can be achieved.
b				Bioswale Design - Bioswales appear to be next to the curb based on this section. However, the roll plans indicate boulevard planting areas in between the LID feature and curbline. Please clarify locations of bioswales. - Consider planting trees on the top of the bioswales wherever possible. - Besides meadow flowers and ornamental grasses, consider introducing shrubs to increase planting diversity.	Based on the stormwater management plans, all of the LID features in the Warden Avenue corridor are box trenches. The bioswale design was identified on the preferred design concept slide from the Online Open House #2 as an alternative option to the preferred box trench design for areas that have higher water table or limited space. To clarify, the boulevard planting areas are between the sidewalk and the cycle track. Trees should not be planted within LIDs as they will act as dams, clogging up the system. Shrub planting within LIDs along roads is problematic as they will collect/catch litter more and are not able to withstand period flooding. Planting with flowers and grasses can still be diverse with various perennial species in grouping of 7 or more per clusters.
c				Box Trench Design - Would it be possible to raise the grade inside the box trench to avoid uses of guardrails? This also allows pedestrians to better benefit aesthetic values of the flowers and grasses. - Besides meadow flowers and ornamental grasses, consider introducing shrubs to increase planting diversity.	Guardrails are proposed for the inside edge of the box trench to provide a safety barrier between the LID and the cycle track. The depth of the box trench is designed to be 1.2m below grade; the lower 1.0m of this depth includes a granular base, filter media, plantings, with the remaining upper 0.2m of this depth to provide surface ponding in the box above the filter medium thus providing an opportunity for additional infiltration, and quantity control volumes. Shrub planting within LIDs along roads is problematic as they will collect/catch litter more and are not able to withstand period flooding. Planting with flowers and grasses can still be diverse with various perennial species in grouping of 7 or more per clusters.



d				Planting species selection for LID features shall consider with hardy native / non-invasive plants with a strong root system and the ability to withstand both wet and dry conditions, including salt-tolerant shrubs, herbaceous perennials, and warm and cool weather grasses.	Acknowledged.
e				Consider adding LID facilities in marked areas.	LID features have been optimized in the Warden Avenue right-of-way to meet water quantity and quality objectives. The proposed locations for LID features, which are illustrated on the stormwater management plans prepared in support of the EA study are based on groundwater levels. Consideration for adding additional LID features will be made at the detailed design stage of the project.
016	PIC #2	Urban Design	City track markings	Provide pavement markings for the cycle track to indicate the bike travel directions.	Acknowledged. Symbols indicating direction of bike travel will be illustrated on preliminary design plans.
017	PIC #2	Urban Design	Street furniture	Consider introducing street furniture (e.g., benches, bike racks, and trash receptacles) to the corridors, particularly at retail-focused intersections and neighborhood service nodes as identified by the FUA Conceptual Master Plan Community Structure Plan.	Acknowledged. Consideration for street furniture is to be incorporated at the detailed design phase of the project.
018	PIC #2	Urban Design	MUP roll plan	3m MUPs on the collector roads abutting Warden Avenue should be shown on the Warden Avenue Roll Plan.	Acknowledged. The preliminary design will include the MUPs on the collector roads.
019	PIC #2	Development Engineering	General	Please see attached to the email a list of development projects that are within the vicinity of the EA	Acknowledged. Thank-you for this information.
020	PIC #2	Transportation	General	Please ensure that the collector roads intersecting to Warden are as per the approved collector roads EA.	The locations of the proposed collector roads have been established on our preliminary design plans as per the collector road EA plans supplied by the Region.
021	PIC #2	Transportation		The preferred design for Kennedy Road shows AT facilities on the intersecting collector roads. The preferred design for Warden Avenue should also be consistent to Kennedy Road in showing the AT facilities on the intersecting collector roads.	See response to Item 18.
023	PIC #2	Environmental Engineering	LID features	Regarding proposed LID feature location near the existing culverts under Warden Avenue. Please see screenshot in col G for the comment. Also, the attachments to this email are details of the proposed HDF connecting to the existing culverts under Warden Avenue. LID designer needs to be aware of the potential space conflict at this location.	There are no LID features proposed at this location due to very high groundwater table. This condition is reflected in the stormwater management plans.
024	PIC #2	Capital	Presentation - Slide 23	Please clarify drainage at east side of the preferred design concept	The cross-section provided on Slide 23 was intended to illustrate the constraints posed by the existing cemetery on the east side of Kennedy Road. Grades on the east side of the road corridor at this particular location are understood to slope toward the east. The preliminary design will include cross-sections at 20 m intervals, which will illustrate the existing and proposed drainage on the east (and west) sides of Warden Avenue outside the right-of-way.
025	PIC #2 - Follow up	Transportation	Regarding comment #20 response	EW-1 is a major collector road consisting of four lanes through the intersection. This is not shown in the preferred design for Warden Ave.	
026	DRAFT ESR	Urban Design	LID features	Please consider extending LID features wherever possible. Example below 	
027	DRAFT ESR	Urban Design	LID features	Confirm whether bioswales are proposed. If so, include a cross-section that shows bioswale treatments	
028	DRAFT ESR	Urban Design	LID features	Identify locations of box trenches and bioswales on plans.	
029	DRAFT ESR	Urban Design	MUP Width	Transportation has confirmed that 4m MUPs will be proposed on the west segment of the EW-1. 	

030	DRAFT ESR	Urban Design and Transportation Engineering	Cycling Facility	<p>Transportation has confirmed the following cycling facility should be 3m on the east segment of the NS-3.</p> 	
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031	DRAFT ESR	Urban Design	Curb Ramps and Tactile Surfaces	Provide curb ramps and tactile surfaces at the crossing of Heritage Hill Drive. 	
032	DRAFT ESR	Urban Design		Indicate sodded boulevard areas on plans.	
033	DRAFT ESR	Urban Design		Note an arborist report should be submitted at the detail design stage.	
034	DRAFT ESR	Transportation	Section 2.5 (Table 2.2)	It should be noted that the Markham Active Transportation Master Plan (ATMP) was approved by council at the June 14, 2022 Council Meeting. Details can be found at the following link: <a href="https://www.markham.ca/wps/portal/home/neighbourhood-services/walking-and-cycling/master-plan-and-studies/activetransportationmasterplan_2021">https://www.markham.ca/wps/portal/home/neighbourhood-services/walking-and-cycling/master-plan-and-studies/activetransportationmasterplan_2021</a>	
035	DRAFT ESR	Transportation	Section 4.2.4.2	Based on the assessment, the segment of Warden Avenue between Meritage Hill Drive and Major Mackenzie Drive east was identified as a potential collision hotspot. The collision rate was found to be 1.80 as per Table 4.4. However, the report suggested that no additional safety countermeasures are required despite the fact that the collision rate is way above the benchmark of 1.0. Please provide the rationale for this recommendation.  It is in our opinion that additional assessments should be conducted to understand the cause of the high collision rate in this area. Road improvements and/or mitigation measures shall be incorporated in the alternative design concepts to address those concerns.	
036	DRAFT ESR	Transportation	Drawings NC-PAP-05 and NC-PAP-06	EW-1 was classified as a mixed use collector road as per the FUA Urban Design Guidelines. 4 m MUP shall be provided on the west leg of this intersection.	
037	DRAFT ESR	Operations/Capital	General	Please consult with the city during detailed design regarding AT facility design in terms of width and material. Porous Asphalt and Asphalt is not approved by the City for Cycle Tracks due to O&M issues - please remove statement from report	
038	DRAFT ESR	Operations	Streetlights	Please consult with the City during detailed design regarding lighting placement	
039					
040					
041					
042					



## **TRCA Correspondence**

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## Minutes of Meeting

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**Meeting Date:** January 27, 2022 **Project No.:** 300052314.0000  
**Project Name:** Warden Ave. and Kennedy Rd. EA Studies between Major Mackenzie Drive and Elgin Mills Road  
**Meeting Subject:** TRCA Meeting  
**Meeting Location:** Microsoft Teams Meeting  
**Date Prepared:** February 3, 2022

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**Those in attendance were:**

Edward Chiu	York Region (Region)	Edward.Chiu@york.ca
Tanin Alemi-Baygy	Region	Tanin.Alemi-Baygy@york.ca
Harsimrat Pruthi	Toronto and Region Conservation Authority (TRCA)	harsimrat.pruthi@trca.ca
Harsha Gammanpila	TRCA	Harsha.Gammanpila@trca.ca; HGammanpila@trca.ca
Emily Markovic	TRCA	Emily.Markovic@trca.ca;
Matthew Kuyntjes	TRCA	Matthew.Kuyntjes@trca.ca;
Elyse Dickson	TRCA	Elyse.Dickson@trca.ca;
Jennifer Vandermeer	R.J. Burnside & Associates Limited (Burnside)	Jennifer.vandermeer@rjburnside.com
Deanna De Forest	Burnside	Deanna.Deforest@rjburnside.com
Sylvia Waters	Burnside	Sylvia.Waters@rjburnside.com

**Those unable to attend:**

**The following items were discussed**

**Action by**

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**1. Introductions**

- 1.1 The project team was introduced followed by roundtable introductions of Toronto and Region Conservation Authority (TRCA) staff participants.

The following items were discussed	Action by
<b>2. Project Overview</b>	
2.1 Project information was presented as per attached material comprised of an overview of the study process and list of studies to be completed as part of the Municipal Class Environmental Assessment (MCEA), the findings from the approved York Region 2016 Transportation Master Plan (TMP) to widen both Warden Avenue and Kennedy Road to 4-lanes, Alternative Design Concepts.	
2.2 TRCA suggested geotechnical investigation should be added to the list of studies. TRCA inquired about including an assessment of drainage hydrology within the Study Area. Burnside noted it would be considered as part of the stormwater management assessment.	
2.3 Burnside requested what the TRCA's expectations for the project were in terms of the review of technical studies and draft reports.  TRCA responded that the list of studies provided are appropriate and consistent with what TRCA would be required to review. TRCA also noted that TRCA staff will want to review the options for the road right-of-way (ROW).	
2.4 TRCA inquired if changes to any road crossings (culverts, bridges) are anticipated.  Burnside responded that there are two main structures in the Study Area. One bridge, which has been investigated structurally and may not need to be widened. The other crossing is a CSP culvert.  TRCA inquired whether the culvert crossing of Berczy Creek on Warden Avenue, south of Major Mackenzie would be replaced. It was noted the culvert was scheduled for rehabilitation by the Region within the next 5 years. Burnside noted that it would be considered in the capacity analysis, completed by others. The EA studies will also consider the watercourse on Warden Avenue, north of Heritage Hill Drive.  TRCA recommended that the project team consult with the City of Markham regarding the culvert crossing north of Major MacKenzie.	

<b>The following items were discussed</b>	<b>Action by</b>
<p>The Region responded that Region staff have been working closely with development groups in and around the Study Area regarding out-letting road run-off into storm sewers before directing water into creeks. The Region also noted the ditches in the Study Area are very shallow (flat), therefore the project team will be reviewing options to raise the road profile. TRCA recommended that the project team investigate the Study Areas hydraulics when revising the road profile; and ensure that staff have thoroughly reviewed the Markham FUA for sizing of storm water ponds, etc.</p> <p>The Region also noted that the project team has been working with the groundwater staff to decrease any impacts to groundwater.</p>	
<p>2.5 TRCA inquired about ecological studies, noting that Endangered Species Habitat for Redside Dace is present in Berczy Creek and efforts should be made to reduce the road-right-of-way where possible to limit impact to habitat. The Region noted ecological study previously completed has noted the presence of Redside Dace habitat, in the Berczy Creek crossing south of Major Mackenzie. Redside Dace habitat is also identified in the Bruce Creek crossing of Kennedy Road, north of Elgin Mills Road.</p>	
<p>2.6 TRCA inquired whether this project will be reported and written as one or two separate EA reports. TRCA recommended that the project team ensure these two studies and their documentation are made clear regarding this approach. The Region confirmed that the projects will have two separate EA reports.</p>	
<p>2.7 The Region noted that construction for Warden Avenue is scheduled for 2027 and Kennedy Road for 2028.</p>	
<p>2.8 TRCA noted staff is always available for a quick meeting to discuss the project. TRCA submission requirements were discussed. TRCA referred to their Service Level Agreement with the Region, which outlines the list of reports and project materials needed to facilitate their review of the project.</p>	
<p>2.9 Burnside inquired whether TRCA would expect the Study Team to submit Phase 1 - Existing Conditions, Problem / Opportunity Statement for review or if a combined Phase 1/2 Report could</p>	



**The following items were discussed**

**Action by**

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instead be circulated. TRCA responded that staff would rather have a complete Phase 1/2 document to review.

It was noted that the online Open House (OH) to be held in late February and will not present evaluation of the design concepts. The Study Team would present a Memo to TRCA of this for review. It was also noted that the Study Team may receive feedback from the public on the evaluation criteria.

The preceding are the minutes of the meeting as observed by the undersigned. Should there be a need for revision, please advise Burnside within seven days of issuance. In the absence of notification to the contrary, these minutes will be deemed to be an accurate record of the meeting.

Minutes prepared by:

**R.J. Burnside International Limited**



Sylvia Waters

SW:jm

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220127\_Minutes-TRCA-draft FINAL  
3/23/2022 2:56 PM

## Sylvia Waters

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**From:** Jennifer Vandermeer  
**Sent:** Thursday, June 09, 2022 4:13 PM  
**To:** Harsha Gammanpila; Siu, Mark  
**Cc:** Crickmay, Andrew; Chiu, Edward; Lee, Jessica; Mishaal Rizwan; Ray Bacquie; Deanna De Forest; Ahmad Ishtiaq; Gordon Hui; Sylvia Waters  
**Subject:** York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Good afternoon, Harsha and Mark,

Please find below a link to download interim ESRs for the Warden Avenue and Kennedy Road EA Studies for TRCA and City of Markham staff review.

 [220609 Draft Interim ESRs to TRCA+City](#)

**Note:** Link will expire on Thursday, June 30, 2022.

We are calling these reports “interim” as they contain information for Phases 1 and 2 of the MCEA process, i.e. the Phase 1 and 2 EA Reports. As these are interim reports, we have not provided all the appendix materials and there are sections of the reports that will be filled out as we advance the studies. We will circulate another interim version of each report to document the results of Phase 3 of the MCEA process when we are complete Phase 3, which is still in progress. One of our supporting reports, the Contamination Overview Study (COS) Report is still in progress and will be provided to TRCA and City of Markham for review when ready. We are also planning to circulate the results of our evaluation of alternative design concepts (in matrix form) once ready for TRCA and City of Markham review. We ask that you provide comments on these two interim reports back to us by end of day **Thursday June 30, 2022**. Should you have any questions about these reports as you complete your reviews or are having problems with the files, please let us know.

Thank-you in advance for your input.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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Thank you.

## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Tuesday, July 05, 2022 3:41 PM  
**To:** Harsha Gammanpila  
**Cc:** harsimrat.pruthi@trca.ca; Chiu, Edward; Lee, Jessica; Mishaal Rizwan; Ray Bacquie; Deanna De Forest; Ahmad Ishtiaq; Gordon Hui; Sylvia Waters  
**Subject:** RE: York Warden Avenue and Kennedy Road Environmental Assessment Studies - Draft Interim ESRs for Review

Good afternoon, Harsha,

I hope this message finds you well. I'm checking in with you to see if TRCA have any comments on the Phase 1 and 2 EA Reports (draft Interim ESRs) for the York Warden Avenue and Kennedy Road EA Studies? We had asked that comments be provided by Thursday June 30, 2022. Could you please advise on the status of TRCA's review at your earliest convenience?

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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[www.rjburnside.com](http://www.rjburnside.com)

---

**From:** Jennifer Vandermeer  
**Sent:** Thursday, June 09, 2022 4:13 PM  
**To:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>; Siu, Mark <MSiu@markham.ca>  
**Cc:** Crickmay, Andrew <ACrickmay@markham.ca>; Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Ahmad Ishtiaq <Ahmad.Ishtiaq@rjburnside.com>; Gordon Hui <Gordon.Hui@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>  
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Thank-you in advance for your input.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

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## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Monday, July 11, 2022 9:57 AM  
**To:** Harsha Gammanpila; Chiu, Edward  
**Cc:** Harsimrat Pruthi; Sullivan, Gerard; Ray Bacquie; Deanna De Forest; Sylvia Waters; Mishaal Rizwan  
**Subject:** RE: CFN 62960 -TRCA response to Warden Avenue ESR -Phase 1 and 2  
**Attachments:** CFN 62960 -APPENDIX A Comments Table -Phase 1 and 2.docx; CFN 62960 -TRCA response to Warden Avenue ESR -Phase 1 and 2.pdf

Good morning, Harsha,

Thank-you for providing TRCA's comment on the Phase 1 / 2 EA Report for Warden Avenue EA Study. Our team will review and let you know if we have any questions.

Best regards,

Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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---

**From:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>  
**Sent:** Wednesday, July 06, 2022 2:54 PM  
**To:** Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; Harsimrat Pruthi <Harsimrat.Pruthi@trca.ca>; Sullivan, Gerard <gerard.sullivan@york.ca>  
**Subject:** CFN 62960 -TRCA response to Warden Avenue ESR -Phase 1 and 2

Hi Edward,

Please find the attached comments letter for the above submission.

Thank you,

**Harsha Gammanpila**

Planner

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July 6, 2022

CFN 62960

**BY E-MAIL ONLY** (Edward.Chiu@york.ca)

Edward Chiu  
Regional Municipality of York  
17250 NewMarket  
Markham, ON  
L3Y6Z1

Dear Edward Chiu,

**Re: Phase 1 and 2 Report  
Improvements to Warden Avenue between Major Mackenzie Drive to Elgin Mills Road  
Rouge River Watershed; City of Markham; Regional Municipality of York**

Toronto and Region Conservation Authority (TRCA) staff received the above noted report on June 9, 2022. It is our understanding that this undertaking involves improvements to Warden Avenue between Major Mackenzie Drive and Elgin Mills Road, in the City of Markham.


TRCA staff understands that this submission includes draft interim Environmental Study Report (ESR) containing information for Phases 1 and 2 of the MCEA process, i.e. the Phase 1 and 2 Environmental Assessment (EA) Reports. It is our understanding that the draft report discusses the preferred alternative solution of widening the corridor to 4 lanes and construct to an urban cross section to meet the forecasted traffic volumes and to improve walking, cycling and transit facilities. Staff notes that results of alternative design concepts evaluation and the Contamination Overview Study Report will be submitted to TRCA for review prior to finalizing the Phase 3 report.

Staff reviewed the information and detailed comments are provided in Appendix A.

Staff looks forward to reviewing the detailed assessment of the alternatives and alternative design concepts, technical memo/reports and other aspects addressing TRCA's areas of interest as part of the Phase 3 Report (an interim version of the ESR as per the email dated June 9, 2022). Please refer to the TRCA Living City Policies (2014) and TRCA Crossing Guidelines for Valley and Stream Corridors through Phase 3 alternative design analysis and mitigation of impacts. Please ensure TRCA's previous comments through the Environmental Assessments and supporting planning documents for the North Markham Future Urban Area (FUA) are considered as part of this study.

Should you have any questions or require any additional information please contact me at 437-880-2423 or at Harsha.Gammanpila@trca.ca.

Regards,

  
Harsha Gammanpila  
Planner, Infrastructure Planning and Permits  
Development and Engineering Services

BY E-MAIL (CC):

Consultant: Jennifer Vandermeer ([Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com))

York Region: Gerard Sullivan ([gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca))

TRCA: Harsimrat Pruthi, Senior Planner

**APPENDIX A: TRCA COMMENTS AND PROPONENT RESPONSES**  
**TRCA COMMENTS**  
**(July 6, 2022)**

ITEM		PROONENT RESPONSE
<b>Ecology Comments</b>		
1.	TRCA Planning Ecology notes that the ESR submitted for agency review is supportive of the EA Phase 1 and 2, and that several sections of the report have yet to be completed. TRCA looks forward to reviewing the Phase 3 report and have interest in the completion of Section 8.0 focused on Alternative Designs, Section 9.0 outlining technical studies such as a Low Impact Development assessment, Section 10.0 describing the recommended design concept, Section 11.0 describing potential environmental impacts, mitigation measures, and monitoring and Section 12.0 outlining future commitments.	
2.	Through the next phases of study, please identify any impacts to natural heritage features and areas. While the ESR will document mitigation measures associated with potential environmental impacts, please also include discussion on how any unavoidable impacts will be appropriately compensated, as applicable. The Natural Environment Report should provide recommendations for compensation in accordance with applicable policies and guidelines.	
3.	Please ensure that preliminary designs include all applicable environmental constraints (e.g. natural hazards and natural heritage features), including wetlands, watercourses, headwater drainage features, and species at risk habitat.	
4.	<p>a. At detailed design stage with the submission of preliminary design, please ensure that plan and profile details are included, along with cross sections. Please clearly detail any watercourse crossings, culvert replacement / extension requirements and provide a sufficient level of detail to review culvert sizing, treatment of bed and banks under culverts, and any required channel modifications or realignments. Please demonstrate through detail design that best efforts have been made to minimize grading and impacts within natural heritage features.</p> <p>b. In support of preliminary design, please include erosion and sediment control plans and drawings.</p> <p>c. In support of preliminary design, please include an arborist report and associated tree removal and protection plan.</p>	
5.	TRCA Planning Ecology supports the consideration of Low Impact Development measures as outlined in Appendix L (Storm Drainage and Low Impact Development Review Memorandum). It is encouraged that a suite of LID options be considered, subject to technical feasibility, particularly considering the sensitivity of watercourses within the study area.	



6.	Considering the sensitivity of the aquatic community within the watercourses across the study area, please consider additional water quality measures in the development of the stormwater management plan to mitigate the impacts of storm drainage on the aquatic environment.	
7.	The Natural Environment Report identifies watercourse and headwater drainage features within the study area and their associated management recommendations. Please ensure that the ESR adequately addresses how mitigation or replication of function for applicable features will be addressed through road design and the stormwater management plan. Consultation with applicable Markham Future Urban Area MESP's is strongly advised.	
8.	Please carry forward the recommendations and commitments to future work found in the Natural Environment Report (Appendix H).	
9	Please carry forward the Geomorphic Mitigation Recommendations found in Appendix N (Geomorphic Assessment Report).	
10.	Should culvert replacements or extensions be proposed as part of the work, please ensure that any channel design associated with required channel realignments or alterations is designed by a fluvial geomorphologist.	
11.	TRCA Planning Ecology recommends that any required culvert replacements or extensions consider opportunities to provide for enhanced fish and wildlife passage above existing conditions. The Geomorphic Assessment Report offers preliminary culvert sizes. Please ensure that culvert design is consistent with TRCA's Crossing Guidelines.	
12.	Please consult with the Ministry of the Environment, Conservation and Parks to identify any requirements under the <i>Endangered Species Act</i> that should be incorporated into preliminary design and to identify any requirements for avoidance, mitigation, and compensation.	
<b>Water Resources Comments</b>		
13.	The report notes an OGS as a quality control treatment option. However, please note that TRCA has taken a position whereby OGS units, regardless of manufacturer, as a stand-alone measure can achieve up to a 50% TSS removal. Please revise to note that OGS can be used in conjunction with certain LID BMPs to provide a treatment train to provide 80% TSS removal.	
14.	Please provide discussion regarding erosion control / water balance retention volume requirements and extended detention in the ESR.	
15.	Section 5.5 of the report notes that certain SWM requirements will be determined at the design stage, citing uncertainty	

	regarding drainage area and imperviousness. Please provide drainage area and imperviousness during the EA stage through the evaluation of alternatives and the selection of a preferred alternative. Please characterize the existing and proposed alternative conditions and provide discussion, calculations, modeling etc. related to stormwater management (e.g. conceptual tank sizing, LID retention volume requirements, etc.) as part of this stage. Based on the report currently provided, it is understood that this is considered “interim” and that additional information and analyses are forthcoming.	
16.	The Technical Memorandum (January 19, 2022) notes the unitary volume and discharge requirements for quantity control and erosion control identified in the NMFUA SWS, however, limited discussion is provided as to how this relates to the Regional Roads. Please update/provide discussion on quantity control and erosion control as it relates to requirements set out in the NMFUA (whether the R.O.W. will use end-of-pipe facilities related to the NMFUA or instead provide the requisite control within the R.O.W.)	
17.	The Technical Memorandum (January 19, 2022) references modelling from the NMFUA SWS. Please ensure that TRCA’s currently-approved modelling (which may differ from the NMFUA modelling) is used for analyses. Please contact Matthew Kuyntjes (Matthew.Kuyntjes@trca.ca) for latest modelling information. The Technical Memorandum (January 19, 2022) notes that hydraulic modelling is required to assess the watercourse crossing and, during the meeting on January 27, 2022, profile changes may be proposed for Warden Avenue. Please provide a hydraulic assessment for all storm events demonstrating no negative impacts in the proposed condition. Please ensure digital copies of the model(s) are provided for review.  As the Regulatory Floodplain is seen to currently overtop Warden Avenue at the watercourse crossing, it is recommended that the opportunity to upgrade this crossing be investigated. If a watercourse crossing replacement is proposed, please update the fluvial geomorphological investigation to determine 100-year erosion limits, in addition to the meander belt, to inform the sizing of the proposed hydraulic structure. Guidance for new/existing crossings can be found within TRCA’s Crossing Guideline for Valley and Stream Corridors.	
<b>Geotechnical Comments</b>		
18.	The engineering drawings showing the grading and earthworks for the proposed works will need to be provided in the form of site plan, longitudinal profile and cross-sections in appropriate intervals showing the existing grade vs proposed grade, and alterations, side slopes for the earthworks, and other pertinent information.	
19.	Where the culverts will be replaced or extended, all necessary details will need to be developed and shown on the engineering drawings.	

20.	In the case that the retaining walls or wing walls or abutments will be needed to facilitate the proposed works, they will need to be designed and the engineering drawings will need to be provided as per the design.	
21.	All construction information including the sequencing, the extent of temporary excavations and means to stabilize them, stockpiling, staging, storage areas, construction access, any other construction means altering the site condition will need to be provided as part of the future submission for the detailed design.	
22.	At detailed design stage, all engineering drawings in support of the proposed works will also need to be submitted as signed and sealed by a Licensed Professional Engineer.	

## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Wednesday, August 31, 2022 11:32 AM  
**To:** Harsha Gammanpila; Chiu, Edward  
**Cc:** Harsimrat Pruthi; Sullivan, Gerard; Lee, Jessica; Nurani, Kadin; Ray Bacquie; Deanna De Forest; Harold Faulkner; Chris Pfohl; Mishaal Rizwan  
**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Harsha,  
Ok, thanks for the clarification.  
Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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---

**From:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>  
**Sent:** Wednesday, August 31, 2022 11:02 AM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Harsimrat Pruthi <Harsimrat.Pruthi@trca.ca>; Sullivan, Gerard <gerard.sullivan@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Nurani, Kadin <Kadin.Nurani@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>; Chris Pfohl <Chris.Pfohl@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>  
**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Jennifer,

Yes that is correct, staff will not be able to review the Appendix A response as the responses refer to ESR revisions.

Thank you,

**Harsha Gammanpila**

Planner

Infrastructure Planning and Permits | Development and Engineering Services

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A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | [trca.ca](http://trca.ca)



---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

**Sent:** August 31, 2022 10:02 AM

**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Chris Pfohl <[Chris.Pfohl@rjburnside.com](mailto:Chris.Pfohl@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>

**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Good morning, Harsha,

Thanks for your email. I see you have send a MS Team meeting invite to me this morning for a discussion on comment #16 for both roadways. I will shortly be forwarding your invite to Region and Burnside staff for attendance.

Can you please clarify what you mean by "as the complete submission is still pending"? We provided a complete set of responses to each Appendix A table in PDF with the emails yesterday or are you referring to the ESR submission in general as, not yet "complete"?

Best regards,

Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

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---

**From:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>

**Sent:** Wednesday, August 31, 2022 9:20 AM

**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Chris Pfohl <[Chris.Pfohl@rjburnside.com](mailto:Chris.Pfohl@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>

**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Jennifer,

Thanks for the confirmation. As the complete submission is still pending I will set up the meeting with the Water resources Engineer to discuss comment # 16.

Thank you,

**Harsha Gammanpila**

Planner

Infrastructure Planning and Permits | Development and Engineering Services



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A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | [trca.ca](http://trca.ca)



---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** August 30, 2022 2:47 PM  
**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Chris Pfohl <[Chris.Pfohl@rjburnside.com](mailto:Chris.Pfohl@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>  
**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Harsha,  
Our thoughts were to focus the meeting discussion on comment #16 as a priority; however, if there are questions that TRCA staff have related to the other comment/responses, we will try our best to answer questions and we can always follow up after the meeting with clarification. Let me know if that plan works for TRCA staff.  
Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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---

**From:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>  
**Sent:** Tuesday, August 30, 2022 2:09 PM  
**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Chris Pfohl <[Chris.Pfohl@rjburnside.com](mailto:Chris.Pfohl@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>  
**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Jennifer,

Thanks for the submission. The meeting is only to discuss comment # 16 or the complete response to TRCA comments.

Thank you,



## Harsha Gammanpila

Planner

Infrastructure Planning and Permits | Development and Engineering Services

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---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

**Sent:** August 30, 2022 12:14 PM

**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Chris Pfohl <[Chris.Pfohl@rjburnside.com](mailto:Chris.Pfohl@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>

**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Good afternoon, Harsha,

Please find attached the Study Team's responses to TRCA comments, provided directly to the Appendix A table TRCA provided. Note, we are hoping to set up a meeting with TRCA staff shortly to discuss comment 16 relating to drainage. We have a similar request for the Warden Avenue EA so we're hoping to coordinate the discussion of both EAs for this meeting. Could you please let us know if TRCA staff have availability to meet with the Study Team for a MS Teams meeting on **Thursday September 8 (11am-noon)**? If that date/time doesn't work, our backup date/times would be Friday September 9 (1pm-2pm or 2pm-3pm).

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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**From:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>

**Sent:** Wednesday, July 06, 2022 2:59 PM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>

**Subject:** CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Edward,

Please find the attached comments letter for the above submission.

Thank you,

**Harsha Gammanpila**

Planner

Infrastructure Planning and Permits | Development and Engineering Services

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A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](#) | [trca.ca](http://trca.ca)





## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Wednesday, August 31, 2022 11:32 AM  
**To:** Harsha Gammanpila; Chiu, Edward  
**Cc:** Harsimrat Pruthi; Sullivan, Gerard; Lee, Jessica; Nurani, Kadin; Ray Bacquie; Deanna De Forest; Harold Faulkner; Chris Pfohl; Mishaal Rizwan  
**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Harsha,  
Ok, thanks for the clarification.  
Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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**From:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>  
**Sent:** Wednesday, August 31, 2022 11:02 AM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Harsimrat Pruthi <Harsimrat.Pruthi@trca.ca>; Sullivan, Gerard <gerard.sullivan@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Nurani, Kadin <Kadin.Nurani@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>; Chris Pfohl <Chris.Pfohl@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>  
**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Jennifer,

Yes that is correct, staff will not be able to review the Appendix A response as the responses refer to ESR revisions.

Thank you,

**Harsha Gammanpila**

Planner

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## Harsha Gammanpila

Planner

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---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

**Sent:** August 30, 2022 12:14 PM

**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>; Chris Pfohl <[Chris.Pfohl@rjburnside.com](mailto:Chris.Pfohl@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>

**Subject:** RE: CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Good afternoon, Harsha,

Please find attached the Study Team's responses to TRCA comments, provided directly to the Appendix A table TRCA provided. Note, we are hoping to set up a meeting with TRCA staff shortly to discuss comment 16 relating to drainage. We have a similar request for the Warden Avenue EA so we're hoping to coordinate the discussion of both EAs for this meeting. Could you please let us know if TRCA staff have availability to meet with the Study Team for a MS Teams meeting on **Thursday September 8 (11am-noon)**? If that date/time doesn't work, our backup date/times would be Friday September 9 (1pm-2pm or 2pm-3pm).

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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---

**From:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>

**Sent:** Wednesday, July 06, 2022 2:59 PM

**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

**Cc:** Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; Sullivan, Gerard <[gerard.sullivan@york.ca](mailto:gerard.sullivan@york.ca)>

**Subject:** CFN 62961 - TRCA response to Kennedy Road ESR - Phase 1 and 2

Hi Edward,

Please find the attached comments letter for the above submission.

Thank you,

**Harsha Gammanpila**

Planner

Infrastructure Planning and Permits | Development and Engineering Services

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**APPENDIX A: TRCA COMMENTS AND PROPONENT RESPONSES - CFN 62960 (Warden Avenue)**

ITEM	TRCA COMMENTS (July 6, 2022)	PROponent RESPONSE
1.	TRCA Planning Ecology notes that the ESR submitted for agency review is supportive of the EA Phase 1 and 2, and that several sections of the report have yet to be completed. TRCA looks forward to reviewing the Phase 3 report and have interest is the completion of Section 8.0 focused on Alternative Designs, Section 9.0 outlining technical studies such as a Low Impact Development assessment, Section 10.0 describing the recommended design concept, Section 11.0 describing potential environmental impacts, mitigation measures, and monitoring and Section 12.0 outlining future commitments.	Acknowledged. Rather than providing a Phase 3 EA Report, the study team will provide the draft ESR to TRCA for review and comment.
2.	Through the next phases of study, please identify any impacts to natural heritage features and areas. While the ESR will document mitigation measures associated with potential environmental impacts, please also include discussion on how any unavoidable impacts will be appropriately compensated, as applicable. The Natural Environment Report should provide recommendations for compensation in accordance with applicable policies and guidelines.	Acknowledged. Impacts to natural heritage features and areas and associated mitigation measures will be included in the ESR. The Natural Environment Report (NER) as provided in Appendix H of the ESR, will not be updated further. Rather, the study team will include recommendations for compensation in Section 11.0 of the ESR.
3.	Please ensure that preliminary designs include all applicable environmental constraints (e.g. natural hazards and natural heritage features), including wetlands, watercourses, headwater drainage features, and species at risk habitat.	The ESR will provide drawings showing preliminary design including the grading limit and applicable environmental constraints.
4.	<p>a. At detailed design stage with the submission of preliminary design, please ensure that plan and profile details are included, along with cross sections. Please clearly detail any watercourse crossings, culvert replacement / extension requirements and provide a sufficient level of detail to review culvert sizing, treatment of bed and banks under culverts, and any required channel modifications or realignments. Please demonstrate through detail design that best efforts have been made to minimize grading and impacts within natural heritage features.</p> <p>b. In support of preliminary design, please include erosion and sediment control plans and drawings.</p> <p>c. In support of preliminary design, please include an arborist report and associated tree removal and protection plan.</p>	<p>a. The preliminary design drawings will be in form of site plan, longitudinal profile and cross-sections at 20 m intervals and will show existing grades, proposed grades, cut and fill slopes and other pertinent information as per the Region’s requirements. Proposed culvert replacements or extensions will be shown on the preliminary design drawings. Details of proposed size, location, type of culvert replacements will be documented in the Stormwater, Drainage and Hydrology Assessment Report, which will be appended to the ESR. Best efforts will be made to minimize grading and impacts within natural heritage features – mitigation measures to this effect will be provided in the ESR.</p> <p>b. Preliminary erosion and sediment control plans will form part of the preliminary design drawings. These plans will need to be updated in the detailed design phase of the project.</p> <p>c. An inventory of trees located outside of woodland features was completed by Beacon as part of the NER. An arborist report and associated tree removal and protection plan will be developed during detailed design once the final grading limits and vegetation removals are known.</p>
5.	TRCA Planning Ecology supports the consideration of Low Impact Development measures as outlined in Appendix L (Storm Drainage and Low Impact Development Review Memorandum). It is encouraged that a suite of LID options be considered, subject to technical feasibility, particularly considering the sensitivity of watercourses within the study area.	Acknowledged. Several LID Options are being evaluated. The results of this evaluation will be documented in the ESR.
6.	Considering the sensitivity of the aquatic community within the watercourses across the study area, please consider additional water quality measures in the development of the stormwater management plan to mitigate the impacts of storm drainage on the aquatic environment.	Temperature mitigation and enhanced quality control measures will be incorporated into the stormwater management plans. This can be achieved with underground/LID features.
7.	The Natural Environment Report identifies watercourse and headwater drainage features within the study area and their associated management recommendations. Please ensure that the ESR adequately addresses how mitigation or replication of function for applicable features will be addressed through road design and the stormwater management plan. Consultation with applicable Markham Future Urban Area MESP’s is strongly advised.	The ESR will document how mitigation or replication of function for applicable features will be addressed through preliminary road design and the SWM plan. We will confirm that these plans coincide with the Markham FUA MESP’s.
8.	Please carry forward the recommendations and commitments to future work found in the Natural Environment Report (Appendix H).	<p>In general, the recommendations and commitments to future work documented in the NER (by Beacon) will be carried forward into the ESR, with updates or adjustments as required based on existing conditions and current best practices and regulations, including the following modifications:</p> <p><u>Bat habitat survey</u>- Observations of existing conditions indicate candidate bat habitat trees are present within the study area. Consultation with the MECP has determined acoustic monitoring of the candidate bat habitat trees is needed to detect presence/absence in the areas of potential impact/tree removal along Warden Avenue, to be completed during preliminary design phase of the project.</p> <p><u>Breeding Bird Survey</u>- NER recommended a breeding bird survey be completed within suitable habitat for Bobolink if impacts to the habitat are anticipated. Observations of existing conditions in 2022 indicate suitable</p>



ITEM	TRCA COMMENTS (July 6, 2022)	PROPONENT RESPONSE
		<p>habitat for Bobolink is not present within the study area. This recommendation is no longer applicable and will not be carried forward.</p> <p><u>Nest Survey</u>- The NER recommended all structures/buildings anticipated to be modified or replaced with the proposed works be inspected for Barn Swallow and <i>Migratory Birds Convention Act</i> bird nests or nesting activity, with the surveys completed at any time of year and must be completed prior to construction activities. The recommendation will be carried forward with adjusted timing for the surveys to be completed during the breeding bird season immediately prior to structure removal/modification.</p>
9	Please carry forward the Geomorphic Mitigation Recommendations found in Appendix N (Geomorphic Assessment Report).	Acknowledged.
10.	Should culvert replacements or extensions be proposed as part of the work, please ensure that any channel design associated with required channel realignments or alterations is designed by a fluvial geomorphologist.	Acknowledged. At the detailed design phase of the project, a fluvial geomorphologist will be engaged to look at the proposed crossing on Warden Avenue (approximately 840 m north of Major Mackenzie Drive) and determine if it complies with TRCA requirements for morphology.
11.	TRCA Planning Ecology recommends that any required culvert replacements or extensions consider opportunities to provide for enhanced fish and wildlife passage above existing conditions. The Geomorphic Assessment Report offers preliminary culvert sizes. Please ensure that culvert design is consistent with TRCA's Crossing Guidelines.	When assessing the required hydraulic capacity of the culvert replacement on Warden Avenue (approximately 840 m north of Major Mackenzie Drive), opportunities to provide wildlife passage above existing conditions will be investigated (passage depends on height). For example, for a new open structure (e.g. box culvert), the culvert replacement could include benched terrace inside the culvert. At the detailed design phase of the project, a fluvial geomorphologist will be engaged to look at the proposed crossing and determine if it complies with TRCA requirements for morphology.
12.	Please consult with the Ministry of the Environment, Conservation and Parks to identify any requirements under the <i>Endangered Species Act</i> that should be incorporated into preliminary design and to identify any requirements for avoidance, mitigation, and compensation.	MECP is included as a key agency to receive communication about the project and will be engaged at key points during the EA. It is the responsibility of the proponent and their consultant to ensure that Species at Risk (SAR) are not killed, harmed, or harassed, and that their habitat is not damaged or destroyed through proposed activities. Requirements under the <i>Endangered Species Act</i> as well as avoidance measures and requirements for mitigation or compensation will be identified in the ESR.
13.	The report notes an OGS as a quality control treatment option. However, please note that TRCA has taken a position whereby OGS units, regardless of manufacturer, as a stand-alone measure can achieve up to a 50% TSS removal. Please revise to note that OGS can be used in conjunction with certain LID BMPs to provide a treatment train to provide 80% TSS removal.	The Study Team will update the SWM Memo (Appendix L) and the ESR to include TRCA position that OGS units achieve 50% TSS removal, OGS to be used in conjunction with LID BMPs to provide a treatment train to provide 80% TSS removal.
14.	Please provide discussion regarding erosion control / water balance retention volume requirements and extended detention in the ESR.	Erosion control/extended detention were already included in the SWM Memo (Appendix L). The Study Team will update the SWM Memo to include discussion regarding water balance volume.
15.	Section 5.5 of the report notes that certain SWM requirements will be determined at the design stage, citing uncertainty regarding drainage area and imperviousness. Please provide drainage area and imperviousness during the EA stage through the evaluation of alternatives and the selection of a preferred alternative. Please characterize the existing and proposed alternative conditions and provide discussion, calculations, modeling etc. related to stormwater management (e.g. conceptual tank sizing, LID retention volume requirements, etc.) as part of this stage. Based on the report currently provided, it is understood that this is considered "interim" and that additional information and analyses are forthcoming.	Drainage area and imperviousness were determined as part of the evaluation of alternative design concepts. The SWM Memo (Appendix L) will be updated to include this information. The SWM, Drainage and Hydrology Assessment and Report will build on the SWM Memo and include characterization of existing and proposed SWM for the preferred design concept and will include all related calculations and modeling. The SWM, Drainage and Hydrology Assessment Report will be included in the ESR.
16.	The Technical Memorandum (January 19, 2022) notes the unitary volume and discharge requirements for quantity control and erosion control identified in the NMFUA SWS, however, limited discussion is provided as to how this relates to the Regional Roads. Please update/provide discussion on quantity control and erosion control as it relates to requirements set out in the NMFUA (whether the R.O.W. will use end-of-pipe facilities related to the NMFUA or instead provide the requisite control within the R.O.W.)	<b>The Study Team requests a meeting with TRCA to discuss this comment.</b>
17.	<p>The Technical Memorandum (January 19, 2022) references modelling from the NMFUA SWS. Please ensure that TRCA's currently-approved modelling (which may differ from the NMFUA modelling) is used for analyses. Please contact Matthew Kuyntjes (Matthew.Kuyntjes@trca.ca) for latest modelling information.</p> <p>The Technical Memorandum (January 19, 2022) notes that hydraulic modelling is required to assess the watercourse crossing and, during the meeting on January 27, 2022, profile changes may be proposed for Warden Avenue. Please provide a hydraulic assessment for all storm events demonstrating no negative impacts in the proposed condition. Please ensure digital copies of</p>	<p>The Study Team has obtained the files from TRCA.</p> <p>Hydraulic modeling has been obtained and will be included in the SWM, Drainage and Hydrology Assessment Report, demonstrating no negative impacts in the proposed condition.</p>

ITEM	TRCA COMMENTS (July 6, 2022)	PROPONENT RESPONSE
	<p>the model(s) are provided for review.</p> <p>As the Regulatory Floodplain is seen to currently overtop Warden Avenue at the watercourse crossing, it is recommended that the opportunity to upgrade this crossing be investigated. If a watercourse crossing replacement is proposed, please update the fluvial geomorphological investigation to determine 100-year erosion limits, in addition to the meander belt, to inform the sizing of the proposed hydraulic structure. Guidance for new/existing crossings can be found within TRCA's Crossing Guideline for Valley and Stream Corridors.</p>	<p>At the detailed design phase of the project, a fluvial geomorphologist will be engaged to look at the proposed crossing on Warden Avenue (approximately 840 m north of Major Mackenzie Drive) and determine if it complies with TRCA requirements for morphology.</p>
18.	<p>The engineering drawings showing the grading and earthworks for the proposed works will need to be provided in the form of site plan, longitudinal profile and cross-sections in appropriate intervals showing the existing grade vs proposed grade, and alterations, side slopes for the earthworks, and other pertinent information.</p>	<p>The preliminary design drawings will be in form of site plan, longitudinal profile and cross-sections at 20 m intervals and will show existing grades, proposed grades, cut and fill slopes and other pertinent information as per the Region's requirements.</p>
19.	<p>Where the culverts will be replaced or extended, all necessary details will need to be developed and shown on the engineering drawings.</p>	<p>Proposed culvert replacements or extensions will be shown on the preliminary design drawings. Details of proposed size, location, type of culvert replacements will be documented in the Stormwater, Drainage and Hydrology Assessment Report, which will be appended to the ESR.</p>
20.	<p>In the case that the retaining walls or wing walls or abutments will be needed to facilitate the proposed works, they will need to be designed and the engineering drawings will need to be provided as per the design.</p>	<p>The preliminary design drawings will show proposed retaining walls or wing walls or abutments needed to facilitate the proposed works. General Arrangement drawings will be prepared for structures and will be included in the ESR. Detailing of structures will be undertaken during the detailed design phase of the project.</p>
21.	<p>All construction information including the sequencing, the extent of temporary excavations and means to stabilize them, stockpiling, staging, storage areas, construction access, any other construction means altering the site condition will need to be provided as part of the future submission for the detailed design.</p>	<p>Acknowledged.</p>
22.	<p>At detailed design stage, all engineering drawings in support of the proposed works will also need to be submitted as signed and sealed by a Licensed Professional Engineer.</p>	<p>Acknowledged.</p>

## Deanna De Forest

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**From:** Mishaal Rizwan  
**Sent:** Wednesday, July 06, 2022 4:28 PM  
**To:** Tim Van Seters  
**Cc:** Jennifer Vandermeer; Harold Faulkner; HT Lam; Ray Bacquie; Deanna De Forest; Chiu, Edward; Lee, Jessica; vince.li@york.ca  
**Subject:** RE: LID Capacity to Address Road Pollutants

Hi Tim,

I just wanted to follow up on my email below and voicemail from last week. Please let me know if you can provide any information regarding our request.

Thank you,



**Mishaal Rizwan**  
Environmental Planner

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**From:** Mishaal Rizwan  
**Sent:** Tuesday, June 28, 2022 3:15 PM  
**To:** tim.vanseters@trca.ca  
**Cc:** 052314 Warden Ave and Kennedy Rd EA Studies <052314WardenAveandKennedyRdEAStudies@rjburnside.com>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>; HT Lam <HT.Lam@rjburnside.com>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>  
**Subject:** LID Capacity to Address Road Pollutants

Good afternoon Tim,

R.J. Burnside is working on a Regional Road redevelopment project for York Region and we are designing LID along the length of the corridor. We are looking for information regarding the capacity of LID to address pollutants such as salt and were wondering if you had any resources. We have been in touch with Kyle Vander Linden and noticed you were CC'd on his response. We understand you work with STEP and have expertise in this area, so any information you can add would be valuable for our evaluation of the LID options.

Please let me know if you have any information and feel free to give me a call if you have any questions. I just left you a voicemail, so please feel free to reply however is most convenient.

Thank you,



**Mishaal Rizwan**  
Environmental Planner

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## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Thursday, July 14, 2022 11:01 AM  
**To:** Harsha Gammanpila  
**Cc:** harsimrat.pruthi@trca.ca; Chiu, Edward; Lee, Jessica; Li, Vince; Ray Bacquie; Deanna De Forest; Mishaal Rizwan; HT Lam; Harold Faulkner  
**Subject:** York Warden Avenue and Kennedy Road EA Studies - Info Request on LIDs

Good morning, Harsha,

We have reached out to Tim Van Seters to see if TRCA has some feedback for our team regarding the capacity of LIDs to address pollutants such as salt. We received a request for this information at one of our Stakeholder Advisory Committee meetings so were following up. We have been trying to contact Tim Van Seters for 2 weeks (via phone and email) and have not been able to reach him. We recognize summer is a busy time for TRCA and that he may have been on vacation; however, we are looking for this information to complete our LID analysis for the EA. We have been in touch with Kyle Vander Linden of CVC and noticed Tim was CC'd on Kyle's response so that's why we reached out to Tim directly. If you could kindly let us know if Tim is the appropriate contact for this request or if there is another TRCA staff that could provide us with this information, that would be most appreciated.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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Thank you.

\*\*\*\*\*



From: Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

Sent: November 16, 2022 11:54 AM

To: [paul.heeney@ontario.ca](mailto:paul.heeney@ontario.ca); Andersen, Jeff (MECP) <[jeff.andersen@ontario.ca](mailto:jeff.andersen@ontario.ca)>; Maria Jawaid ([Maria.Jawaid@ontario.ca](mailto:Maria.Jawaid@ontario.ca)) <[maria.jawaid@ontario.ca](mailto:maria.jawaid@ontario.ca)>; [laura.e.hatcher@ontario.ca](mailto:laura.e.hatcher@ontario.ca); [mriad@markham.ca](mailto:mriad@markham.ca); [acachola@markham.ca](mailto:acachola@markham.ca); [jlanni@markham.ca](mailto:jlanni@markham.ca); Scovell, Jason <[jscovell@markham.ca](mailto:jscovell@markham.ca)>; Crickmay, Andrew <[ACrickmay@markham.ca](mailto:ACrickmay@markham.ca)>; Harsimrat Pruthi <[Harsimrat.Pruthi@trca.ca](mailto:Harsimrat.Pruthi@trca.ca)>; Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; Matthew Kuyntjes <[Matthew.Kuyntjes@trca.ca](mailto:Matthew.Kuyntjes@trca.ca)>; Eric Wang <[Eric.Wang@trca.ca](mailto:Eric.Wang@trca.ca)>; Emily Markovic <[emily.markovic@trca.ca](mailto:emily.markovic@trca.ca)>; [Dan.Thomson@rci.rogers.com](mailto:Dan.Thomson@rci.rogers.com); [vince.cina@enbridge.com](mailto:vince.cina@enbridge.com); Darlene Presley <[dpresley@mhbcpplan.com](mailto:dpresley@mhbcpplan.com)>; [aphillips@alectrautilities.com](mailto:aphillips@alectrautilities.com); [christine.barnes@allstream.com](mailto:christine.barnes@allstream.com); Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Nurani, Kadin <[Kadin.Nurani@york.ca](mailto:Kadin.Nurani@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>

Cc: Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>; Barboza, Karla (MCM) <[Karla.Barboza@ontario.ca](mailto:Karla.Barboza@ontario.ca)>; Suzanne Bevan <[Suzanne.Bevan@trca.ca](mailto:Suzanne.Bevan@trca.ca)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>

Subject: York Warden Avenue and Kennedy Road EA Studies - Technical Advisory Committee Meeting 2

Good afternoon,

As promised at the TAC2 Meeting last week, we are circulating a copy of the presentation and the detailed evaluation matrices for your information (see attached). One important note about the presentation slides is that the study team are in the process of fine tuning the preferred design concept roll plans to include some additional details at the future collector road intersections (namely for Warden Avenue) and a few adjustments around some existing driveways. To this end, the content on Slides 17-20 of the attached presentation will be amended for the upcoming Online Open House#2 (OOH#2) presentation, set to launch on November 25, 2022. Should you have any comments on the attached information or the OOH#2 presentation materials once released, please provide us with feedback by January 6, 2023.

We are in the process of preparing minutes from the TAC2 Meeting and will circulate those separately.

Best regards,  
Jennifer



Jennifer Vandermeer, P.Eng.  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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## Minutes of Meeting

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**Meeting Date:** September 9, 2022 **Project No.:** 300052314.0000

**Project Name:** Kennedy Road Environmental Assessment

**Meeting Subject:** Meeting with TRCA

**Meeting Location:** Microsoft Teams Meeting

**Date Prepared:** November 1, 2022

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### Those in attendance were:

Edward Chiu (EC)	York Region (Region)	Edward.Chiu@york.ca
Jessica Lee (JL)	Region	Jessica.Lee@york.ca
Kadin Nurani (KN)	Region	Kadin.Nurani@york.ca
Gerard Sullivan (GS)	Region	Gerard.Sullivan@york.ca
Matthew Kuyntjes (MK)	Toronto and Region Conservation Authority (TRCA)	Matthew.Kuyntjes@trca.ca
Harsha Gammanpila (HG)	TRCA	Harsha.Gammanpila@trca.ca
Rhoshell Baker (RhB)	R.J. Burnside & Associates Limited (Burnside)	Rhoshell.Baker@rjburnside.com
Harold Faulkner (HF)	Burnside	Harold.Faulkner@rjburnside.com
Jennifer Vandermeer (JV)	Burnside	Jennifer.Vandermeer@rjburnside.com

### The following items were discussed

### Action by

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#### 1. Introductions and Opening

1.1 JV and EC welcomed attendees and introductions were shared.

1.2 EC noted the goals of the meeting:

Through phases one and two of the EA study we received some comments from TRCA regarding the drainage and how to deal with the potential interim and ultimate drainage conditions from the adjacent

**The following items were discussed**

**Action by**

development area. While reviewing the information on the drainage in that area, some adjustments to the drainage patterns were identified as part of a North Markham Future Urban Area (FUA) Subwatershed Study and therefore, a meeting was held with the developers to discuss these adjustments and how to address interim condition until the corridor is fully developed. The purpose of this meeting is to discuss the drainage changes and some of the interim strategies with TRCA.

**2. Discussion of Kennedy Road Drainage Interim Solution**

- 2.1 JV clarified that the recent discussion with some of the adjacent development groups were focused on Kennedy Road and therefore that would be the focus of our discussion today.
- 2.2 JV discussed that the North Markham FUA Subwatershed Study (which was completed in 2019) has been reviewed. The challenge is how the right-of-way (ROW) drainage would be managed. Discussion with the adjacent developers along Kennedy Road provided some clarity about what is proposed for the ultimate condition. Today's meeting is primarily focused on the approach for the interim condition.
- 2.3 HF (sharing graphics): Presented the existing drainage condition at Kennedy/Elgin Mills intersection. There are ten hectares on the west side of Kennedy Road that currently drain eastward through culverts to the Robinson Creek. Existing culverts (900 mm and two 600 mm diameter culverts) provide conveyance for drainage of this area from the west to the east side of Kennedy Road, and there are no watercourses associated with the crossings.
- 2.4 HF (sharing graphics): Presented the existing drainage condition at Bruce Creek crossing of Kennedy Road and Elgin Mills Road, both outside of the subject area. There is a high point in Kennedy Road approximately 120 m south of Elgin Mills Road, and an existing low point of 170 m south of that, for a total of 290 m south of Elgin Mills Road. A 900 mm diameter culvert exists at the low point. To the north, there are two culverts crossing Elgin Mills that convey drainage to Bruce Creek. A portion of the Kennedy Road ROW drains north to this Bruce Creek crossing and the existing drainage on the south side of Elgin Mills Road runs west to meet up with Bruce Creek.

**The following items were discussed**

**Action by**

2.5 JV discussed in the ultimate condition, runoff on the west side of Kennedy Road drains west and similarly runoff on the east side of Kennedy Road drains to the east. There is intended to be a stormwater facility in the Angus Glen Block development (west side of Kennedy Road) to treat the runoff. The existing high point (120 m south of Elgin Mills) is proposed to move further to the south eliminating the low point as the crossings of the road will no longer be necessary due to the redirection of the flow within the Angus Glen Block development.

2.6 The drainage strategies were discussed with the representatives from the adjacent developments and their engineering teams. They brought forward a request to consider eliminating the low point (170 m south of Elgin Mills) because the topography on the Robinson Glen Block development is higher than the existing road surface.

2.7 Based on the discussion with the developers, it appears that the development on the east side of Kennedy Road, the Robinson Glen Block, is advancing ahead of the Angus Glen Block development. Therefore, an interim solution is required.

Options were discussed for managing the drainage from the adjacent lands in the interim condition. These options included temporary drainage regrading of the northern 6 hectares of external area to direct the flow to the Elgin Mills crossing, which may require stormwater retention. For the southern 3.5 hectares, temporary drainage options included regrading drainage to the southwest, accommodating drainage in the ROW storm system, or leaving the culverts in place and continuing to drain to the east. An intersection of Kennedy Road with the future developments is proposed at this southern location.

2.8 MK stated that the existing culverts could remain in-place, as the downstream property is expected to accept the existing flows from the west side of Kennedy Road. TRCA requested a memo with the figures discussed to allow them to complete a review of the design options. Further discussion with the TRCA may be needed.

Burnside will prepare a memo with figures to TRCA with these meeting minutes.

Burnside



The following items were discussed	Action by
<b>3. Discussion of Warden Avenue Drainage</b>	
3.1 JV noted that there are no plans to change the existing drainage patterns for crossings on Warden Avenue. EC noted that since the road is being urbanized the Region anticipates replacing existing culverts with a concrete structure. EC noted that the Region will be raising the Warden Avenue Road profile to accommodate the storm sewer system. MK noted hydraulic analysis will be required to confirm Regional conveyance without raising upstream flood elevations. HF noted that Burnside has received the latest hydraulic model from the TRCA.	
<b>4. Unitary Flows</b>	
4.1 Group discussion about the approach to unitary flows as identified in the Technical Memo (dated January 19, 2022) provided in the interim ESR. MK noted unitary stormwater quantity control rates as specified in the FUA may be applicable to road drainage that can be accommodated in the subdivision SWM facilities, otherwise ROW controls can provide attenuation to reduce post-development flow rates to pre-development levels. EC stated we should design for ROW controls only, with the understanding that SWM facilities may become an option at a later stage of design.	
<b>5. Other</b>	
5.1 EC noted that developers adjacent to Kennedy Road is discussing with the Region to accelerate the project timeline.	
5.2 JV asked if TRCA would be providing feedback on the study team's responses to TRCA July 6, 2022, comments on the interim ESR, namely relating to those that are not tied to the draft ESR submission. Alternatively, the study team could wait to receive feedback from TRCA after the draft ESR submission. HG asked about the timing of the draft ESR and noted that if it is soon, TRCA staff can provide feedback as part of their review of the draft ESR, otherwise TRCA staff can provide feedback that are not tied to the draft ESR. JV noted that the draft ESR wouldn't be available for circulation until early 2023. HG agreed to circulate the study team responses to TRCA staff and provide feedback.	TRCA

The preceding are the minutes of the meeting as observed by the undersigned. Should there be a need for revision, please advise Burnside within seven days of issuance. In the absence of notification to the contrary, these minutes will be deemed to be an accurate record of the meeting.

Minutes prepared by:

**R.J. Burnside & Associates Limited**

Jennifer Vandermeer, P.Eng.  
Project Manager  
JV:sn

Distribution:

All Attendees

Ray Bacquie (Burnside)

Deanna DeForest (Burnside)

Other than by the addressee, copying or distribution of this document, in whole or in part, is not permitted without the express written consent of R.J. Burnside & Associates Limited.

20220909\_TRCA Meeting.docx  
10/31/2022 4:34 PM

## Sylvia Waters

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**From:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>  
**Sent:** Wednesday, November 30, 2022 1:42 PM  
**To:** Jennifer Vandermeer; paul.heeney@ontario.ca; Andersen, Jeff (MECP); Maria Jawaid (Maria.Jawaid@ontario.ca); laura.e.hatcher@ontario.ca; mriad@markham.ca; acachola@markham.ca; jlanni@markham.ca; Scovell, Jason; Crickmay, Andrew; Harsimrat Pruthi; Dan.Thomson@rci.rogers.com; vince.cina@enbridge.com; Darlene Presley; aphilipps@alectrautilities.com; christine.barnes@allstream.com; Chiu, Edward; Lee, Jessica; Nurani, Kadin; Ray Bacquie; Deanna De Forest; Harold Faulkner  
**Cc:** Sylvia Waters; Barboza, Karla (MCM); Mishaal Rizwan  
**Subject:** RE: York Warden Avenue and Kennedy Road EA Studies - Technical Advisory Committee Meeting 2

Hi Jennifer,

Staff reviewed information and provided below comments :

1. TRCA Planning Ecology generally does not have any major concerns with the Alternative Design Concepts and the proposed Preferred Design Concept. That said, there are areas within the project limits with identified environmental constraints to consider. Efforts to mitigate impacts should be incorporated into the design. Specifically, the areas circled below in yellow are those which include wetlands and watercourses. As preliminary design concepts progress, and field surveys are undertaken to refine environmental conditions and constraints, there may be further opportunity to reduce the Preferred Design Concept ROW within areas with identified constraints and requirements for mitigation (for instance, the landscape planting area could be reduced or eliminated within sensitive environmental areas). Please consider these opportunities as detail design progresses and a refined level of site characteristics and information becomes available.
2. Please note that there is a tributary of Bruce Creek approximately 80 m north of Major Mackenzie, that crosses Warden Avenue. Through the design process, consideration should be made to the design of the culvert. Note that through the Markham Future Urban Area development process, this watercourse will be realigned and will receive flows from multiple stormwater management facilities, thus influencing the ultimate flow conditions to be conveyed through a culvert. Efforts to ensure fish passage is accounted for, and efforts to incorporate wildlife connectivity into culvert sizing and design should be considered during the early stages of conceptual / preliminary design. Please see TRCA Crossing Guidelines as well as any standards established by the Region of York to facilitate fish and wildlife passage. Any opportunity to replace the culvert with one that provides for improved connectivity and conveyance are strongly encouraged and supported by TRCA. Through the TAC meetings, TRCA can continue to offer recommendations in this regard.
3. Please note that watercourses immediately north and south of the project limits are sensitive watercourses (immediately north of the intersection of Kennedy Road and Elgin Mills Road, and immediately south of the intersection of Warden Avenue and Major Mackenzie Drive), supporting species at risk. It is not clear at this stage in project planning if any impacts are proposed at these crossings. As design progresses, please detail if any works are proposed at these crossings and consider opportunities to avoid impacts to the greatest extent feasible or provide improvements where applicable. Consultation with MECP is recommended.
4. TRCA Planning Ecology looks forward to providing advice to the project team as the scope of studies in support of the EA process is identified, and design details refined.

Please let me know if you have any questions.



Thank you,

**Harsha Gammanpila**

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: 437 880 2423

E: [harsha.gammanpila@trca.ca](mailto:harsha.gammanpila@trca.ca)

A: 101 Exchange Avenue, Vaughan, ON, L4K 5R6 | [trca.ca](http://trca.ca)





## Jennifer Vandermeer

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**From:** Harsha Gammanpila <Harsha.Gammanpila@trca.ca>  
**Sent:** Monday, August 14, 2023 5:48 PM  
**To:** Chiu, Edward; Jennifer Vandermeer  
**Subject:** RE: York Warden Avenue EA Study - Draft ESR for Review - 62960  
**Attachments:** 62960-TRCA response to Warden Avenue Improvements Draft ESR.pdf

Hi Edward and Jennifer,

This was letter was slipped through to send, further to the comments sent on July 1<sup>st</sup> please find the attached Formal comment letter for your records for your records.

Please note there are no changes to the comments sent on July 1<sup>st</sup>.

Thank you,

**Harsha Gammanpila M.Sc., PMP**  
Planner  
Infrastructure Planning and Permits | Development and Engineering Services

T: [437 880 2423](tel:4378802423)  
E: [harsha.gammanpila@trca.ca](mailto:harsha.gammanpila@trca.ca)  
A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca/101-Exchange-Avenue-Vaughan-ON-L4K-5R6) | [trca.ca](https://www.trca.ca)



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**From:** Harsha Gammanpila  
**Sent:** Saturday, July 1, 2023 12:26 AM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; eanotification.cregion@ontario.ca; mriad@markham.ca  
**Cc:** Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>; Lalla, Dimitri <Dimitri.Lalla@york.ca>; Ray Bacquie <Ray.Bacquie@rjburnside.com>; Deanna De Forest <Deanna.DeForest@rjburnside.com>; Mishaal Rizwan <Mishaal.Rizwan@rjburnside.com>; Julianna Arcese <Julianna.Arcese@rjburnside.com>; Rhoshell Baker <Rhoshell.Baker@rjburnside.com>; Harold Faulkner <Harold.Faulkner@rjburnside.com>  
**Subject:** RE: York Warden Avenue EA Study - Draft ESR for Review

Hi Jennifer,

Please find the attached TRCA draft comments, I will send the formal letter next week.

Thank you,

**Harsha Gammanpila M.Sc., PMP**  
Planner

T: 437 880 2423

E: [harsha.gammanpila@trca.ca](mailto:harsha.gammanpila@trca.ca)

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



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**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

**Sent:** Thursday, June 22, 2023 4:21 PM

**To:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca); [mriad@markham.ca](mailto:mriad@markham.ca)

**Cc:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>

**Subject:** RE: York Warden Avenue EA Study - Draft ESR for Review

Hi Harsha,

If you can provide us with consolidated comments by the end of next week that would be great.

Best regards,

Jennifer



**Jennifer Vandermeer, P.Eng.**

Senior Environmental Coordinator

R.J. Burnside & Associates Limited

292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4

Office: 800-265-9662 Direct: 226-486-1559

[www.rjburnside.com](http://www.rjburnside.com)

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**From:** Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>

**Sent:** Wednesday, June 21, 2023 1:58 PM

**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>; [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca); [mriad@markham.ca](mailto:mriad@markham.ca)

**Cc:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>

**Subject:** RE: York Warden Avenue EA Study - Draft ESR for Review

Hi Jennifer

I am waiting for few technical reviews however I will be able to send the comments by end of next week, please let me know if this impacts your time lines. Alternatively, I can send the comments already received and provide formal letter with all comments next week.

Please advice.

Thank you,

**Harsha Gammanpila M.Sc., PMP**

Planner

Infrastructure Planning and Permits | Development and Engineering Services

T: [437 880 2423](tel:4378802423)

E: [harsha.gammanpila@trca.ca](mailto:harsha.gammanpila@trca.ca)

A: [101 Exchange Avenue, Vaughan, ON, L4K 5R6](https://www.trca.ca) | [trca.ca](https://www.trca.ca)



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**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>

**Sent:** Thursday, May 25, 2023 2:41 PM

**To:** [eanotification.cregion@ontario.ca](mailto:eanotification.cregion@ontario.ca); Harsha Gammanpila <[Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca)>; [mriad@markham.ca](mailto:mriad@markham.ca)

**Cc:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>; Mishaal Rizwan <[Mishaal.Rizwan@rjburnside.com](mailto:Mishaal.Rizwan@rjburnside.com)>; Julianna Arcese <[Julianna.Arcese@rjburnside.com](mailto:Julianna.Arcese@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>; Harold Faulkner <[Harold.Faulkner@rjburnside.com](mailto:Harold.Faulkner@rjburnside.com)>

**Subject:** York Warden Avenue EA Study - Draft ESR for Review

Good afternoon Trevor, Chunmei, Harsha and Marina,

Please find below a link to download the draft ESR for the Warden Avenue EA for your review and comment. We've provided the main ESR and separate PDFs for the Drawing set (preliminary design) and appendices.

 [230525\\_Warden Ave Draft ESR](#)

**Note:** LINK will expire on Friday June 30, 2023.

We kindly request that you provide any comments on the draft ESR within four weeks' time, so by **Thursday June 22, 2023**.

Should you have any issues accessing the documents, please let me know. Or if you have any specific questions about the draft ESR, please feel free to reach out.

Best regards,

Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

August 14, 2023

CFN 62960

**BY E-MAIL ONLY** ([Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca))

Mr. Edward Chiu  
Regional Municipality of York  
17250 NewMarket  
Markham, ON  
L3Y6Z1

Dear Edward Chiu,

**Re: Draft Environmental Study Report  
Improvements to Warden Avenue between Major Mackenzie Drive to Elgin Mills Road  
Municipal Class Environmental Assessment – Schedule C**

These comments respond to the application received by Toronto and Region Conservation Authority (TRCA) on May 25, 2023

#### **OVERVIEW**

This project involves improvements to Warden Avenue between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. This study will examine how to complete the identified infrastructure and active transportation improvements, and to mitigate any environmental impacts. A listing of documents reviewed is included/provided in Appendix A: Documents Reviewed by TRCA.

#### **TRCA REVIEW**


Staff have completed the review of this submission and have several comments which are enclosed as Appendix B: TRCA Comments and Proponent Responses. TRCA comments table also sent separately on July 1, 2023. These should be addressed as the EA progresses.

#### **RESUBMISSION REQUIREMENTS**

1. Follow the [TRCA Digital Submission Requirements for Environmental Assessment Documents](#) to ensure all required information is provided in future submissions.

Should you have any questions or require any additional information please contact me at 437-880-2423 or at [Harsha.Gammanpila@trca.ca](mailto:Harsha.Gammanpila@trca.ca).

Regards,

  
Harsha Gammanpila  
Planner, Infrastructure Planning and Permits  
Development and Engineering Services

/HSG



Attached: Appendix A: Documents Reviewed by TRCA  
Appendix B: TRCA Comments and Proponent Responses  
Enclosed: Appendix B: TRCA Comments and Proponent Responses, WORD digital file for consultant/proponent response purposes

**BY E-MAIL**

Consultant: Jennifer Vandermeer ([Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com))

## APPENDIX A: DOCUMENTS REVIEWED BY TRCA

### DOCUMENTS REVIEWED

- Environmental Study Report: Environmental Assessment Study for Warden Avenue between Major Mackenzie Drive East and Elgin Mills Road East; prepared by Burnside & Associates Limited; dated May 2023; received by TRCA on May 25, 2023;
- Warden Avenue\_ESR\_Drawings\_DRAFT\_230525; prepared by Burnside & Associates Limited; dated May 2023; received by TRCA on May 25, 2023;
- Appendix A; Project Contact List and project Notices; prepared by Burnside & Associates Limited; undated; received by TRCA on May 25, 2023;
- Appendix E; Agency, Developer, Public Correspondence; prepared by Beacon Environmental Limited; Undated; received by TRCA on May 25, 2023
- Appendix G; Natural Environment Report; prepared by Beacon Environmental Limited; August 2021; received by TRCA on May 25, 2023;
- Appendix K; Technical Memorandum, Storm Drainage and Low Impact Development Review Memorandum; prepared by Burnside & Associates Limited; January 19, 2022; received by TRCA on May 25, 2023;
- Appendix L; Hydrogeological Existing Conditions Review for Warden Avenue and Kennedy Road Environmental Assessment Studies between Major Mackenzie Drive East and Elgin Mills Road East; prepared by Burnside & Associates Limited; March, 2022; received by TRCA on May 25, 2023;
- Appendix M; Geomorphic Assessment Warden Avenue from Major Mackenzie Drive to Elgin Mills Road; prepared by Burnside & Associates Limited; June, 2021; received by TRCA on May 25, 2023;
- Appendix N; Geotechnical Investigation Report; prepared by Golder Associates Limited; October 21, 2021; received by TRCA on May 25, 2023;
- Appendix P; Evaluation of Alternative Design Concepts and Low Impact Development Options; prepared by Burnside & Associates Limited; received by TRCA on May 25, 2023;
- Appendix Q; Stormwater Management Report; prepared by Burnside & Associates Limited; April 2023; received by TRCA on May 25, 2023;
- Appendix R; Hydrogeological Assessment Report; prepared by Burnside & Associates Limited; February 2023; received by TRCA on May 25, 2023.

**APPENDIX B: TRCA COMMENTS AND PROPONENT RESPONSES**

ITEM		TRCA COMMENTS (June 27, 2022)	PROponent RESPONSE (May 25, 2023)	TRCA COMMENTS (June 30, 2023)
1.	Natural Systems	TRCA Planning Ecology notes that the ESR submitted for agency review is supportive of the EA Phase 1 and 2. Many sections of the report have yet to be completed. TRCA looks forward to reviewing the report once a final draft is available for review. Of particular interest is the completion of Section 8.0 focused on Alternative Designs, Section 9.0 outlining technical studies such as a Low Impact Development assessment, Section 10.0 describing the recommended design concept, Section 11.0 describing potential environmental impacts, mitigation measures, and monitoring and Section 12.0 outlining future commitments.	Acknowledged. Rather than providing a Phase 3 EA Report, the study team will provide the draft ESR to TRCA for review and comment.	Addressed.
2.	Natural Systems	Through the next phases of study, please identify any impacts to natural heritage features and areas. While the ESR will document mitigation measures associated with potential environmental impacts, please also include discussion on how any unavoidable impacts will be appropriately compensated. The Natural Environment Report should provide recommendations for compensation in accordance with applicable policies and guidelines.	Acknowledged. Impacts to natural heritage features and areas and associated mitigation measures will be included in the ESR. The Natural Environment Report (NER) as provided in Appendix H of the ESR, will not be updated further. Rather, the study team will include recommendations for compensation in Section 11.0 of the ESR.	Please confirm if any watercourses or wetlands are proposed to be removed for the proposed widening.
3.	Natural Systems	Please ensure that preliminary designs include all applicable environmental constraints (e.g. natural hazards and natural heritage features), including wetlands, watercourses, headwater drainage features, and species at risk habitat.	The ESR will provide drawings showing preliminary design including the grading limit and applicable environmental constraints.	Addressed.

4.	Natural Systems	<p>With the submission of preliminary design, please ensure that plan and profile details are included, along with cross sections. Please clearly detail any watercourse crossings, culvert replacement / extension requirements and provide a sufficient level of detail to review culvert sizing, treatment of bed and banks under culverts, and any required channel modifications or realignments. Please demonstrate through detail design that best efforts have been made to minimize grading and impacts within natural heritage features.</p> <p>b. In support of preliminary design, please include erosion and sediment control plans and drawings.</p> <p>c. In support of preliminary design, please include an arborist report and associated tree removal and protection plan.</p>	<p>a. The preliminary design drawings will be in form of site plan, longitudinal profile and cross-sections at 20 m intervals and will show existing grades, proposed grades, cut and fill slopes and other pertinent information as per the Region's requirements. Proposed culvert replacements or extensions will be shown on the preliminary design drawings. Details of proposed size, location, type of culvert replacements will be documented in the Stormwater, Drainage and Hydrology Assessment Report, which will be appended to the ESR. Best efforts will be made to minimize grading and impacts within natural heritage features - mitigation measures to this effect will be provided in the ESR.</p> <p>b. Preliminary erosion and sediment control plans will form part of the preliminary design drawings. These plans will need to be updated in the detailed design phase of the project.</p> <p>c. An inventory of trees located outside of woodland features was completed by Beacon as part of the NER. An arborist report and associated tree removal and protection plan will be developed during detailed design once the final grading limits and vegetation removals are known.</p>	<p>a. Comment not addressed</p> <p>b. Comment not addressed.</p> <p>c. Comment not addressed.</p>
5.	Natural Systems	TRCA Planning Ecology supports the consideration of Low Impact Development measures as outlined in Appendix L (Storm Drainage and Low Impact Development	Acknowledged. Several LID Options are being evaluated. The results of this evaluation will be documented in the ESR.	TRCA staff recommend determining LID locations and feasibility with groundwater levels and aquifer/bedrock interactions earlier than detail



		Review Memorandum). It is encouraged that a suite of LID options be considered, subject to technical feasibility, particularly considering the sensitivity of watercourses within the study area.		design as the complicated nature of the area may require creative solutions and/or designs.
6.	Natural Systems	Considering the sensitivity of the aquatic community within the watercourses across the study area, please consider additional water quality measures in the development of the stormwater management plan to mitigate the impacts of storm drainage on the aquatic environment.	Temperature mitigation and enhanced quality control measures will be incorporated into the stormwater management plans. This can be achieved with underground/LID features.	TRCA will review the detailed design drawings.
7.	Natural Systems	The Natural Environment Report identifies watercourse and headwater drainage features within the study area and their associated management recommendations. Please ensure that the ESR adequately addresses how mitigation or replication of function for applicable features will be addressed through road design and the stormwater management plan. Consultation with applicable Markham Future Urban Area MESP"s is strongly advised.	The ESR will document how mitigation or replication of function for applicable features will be addressed through preliminary road design and the SWM plan. We will confirm that these plans coincide with the Markham FUA MESP"s.	Addressed.
8.	Natural Systems	Please carry forward the recommendations and commitments to future work found in the Natural Environment Report (Appendix H).	In general, the recommendations and commitments to future work documented in the NER (by Beacon) will be carried forward into the ESR, with updates or adjustments as required based on existing conditions and current best practices and regulations, including the following modifications: <u>Bat habitat survey</u> - Observations of existing conditions indicate candidate bat habitat trees are present within the study area. Consultation with the MECP has determined acoustic monitoring of the	Addressed.

			<p>candidate bat habitat trees is needed to detect presence/absence in the areas of potential impact/tree removal along Warden Avenue, to be completed during preliminary design phase of the project.</p> <p><u>Breeding Bird Survey</u>- NER recommended a breeding bird survey be completed within suitable habitat for Bobolink if impacts to the habitat are anticipated. Observations of existing conditions in 2022 indicate suitable habitat for Bobolink is not present within the study area. This recommendation is no longer applicable and will not be carried forward.</p> <p><u>Nest Survey</u>- The NER recommended all structures/buildings anticipated to be modified or replaced with the proposed works be inspected for Barn Swallow and <i>Migratory Birds Convention Act</i> bird nests or nesting activity, with the surveys completed at any time of year and must be completed prior to construction activities. The recommendation will be carried forward with adjusted timing for the surveys to be completed during the breeding bird season immediately prior to structure removal/modification.</p>	
9.	Natural Systems	Please carry forward the Geomorphic Mitigation Recommendations found in Appendix N (Geomorphic Assessment Report).	Acknowledged.	TRCA staff will review the culvert designs once submitted.
10.	Natural Systems	Should culvert replacements or extensions be proposed as part of the work, please ensure that any channel design associated with required channel realignments or alterations is designed by a fluvial geomorphologist.	Acknowledged. At the detailed design phase of the project, a fluvial geomorphologist will be engaged to look at the proposed crossing on Warden Avenue (approximately 840 m north of Major Mackenzie Drive) and determine if	TRCA will review the details at the detailed design stage.

			it complies with TRCA requirements for morphology.	
11.	Natural Systems	TRCA Planning Ecology recommends that any required culvert replacements or extensions consider opportunities to provide for enhanced fish and wildlife passage above existing conditions. The Geomorphic Assessment Report offers preliminary culvert sizes. Please ensure that culvert design is consistent with TRCA's Crossing Guidelines.	When assessing the required hydraulic capacity of the culvert replacement on Warden Avenue (approximately 840 m north of Major Mackenzie Drive), opportunities to provide wildlife passage above existing conditions will be investigated (passage depends on height). For example, for a new open structure (e.g. box culvert), the culvert replacement could include benched terrace inside the culvert. At the detailed design phase of the project, a fluvial geomorphologist will be engaged to look at the proposed crossing and determine if it complies with TRCA requirements for morphology.	TRCA will review the details at the detailed design stage.
12.	Natural Systems	Please consult with the Ministry of the Environment, Conservation and Parks to identify any requirements under the <i>Endangered Species Act</i> that should be incorporated into preliminary design and to identify any requirements for avoidance, mitigation, and compensation.	MECP is included as a key agency to receive communication about the project and will be engaged at key points during the EA. It is the responsibility of the proponent and their consultant to ensure that Species at Risk (SAR) are not killed, harmed, or harassed, and that their habitat is not damaged or destroyed through proposed activities. Requirements under the <i>Endangered Species Act</i> as well as avoidance measures and requirements for mitigation or compensation will be identified in the ESR.	Addressed.
N1 (New Comment)	Natural Systems			Please confirm that the scope of road widening, and culvert replacement works does not extend south of Major Mackenzie Drive. The Appendix P "Evaluations" has been submitted but the

				assessment and design are not presented in the draft ESR. Please update the draft ESR accordingly.
N2	Natural Systems			Section 5.7 of the draft ESR states that potential impacts to the creeks may occur should a new structure be proposed, and impacts will be determined and mitigated at detail design. TRCA strongly recommend anticipating what the impacts may be at the earlier planning stages to allow for adequate risk assessment, avoidance, and mitigation measures to be built into the process.
N3	Natural Systems			Section 5.7 states that the Geomorphological Report states the meander belt width was 10.0 m, however the culvert structure proposed to be installed is 9.144 m. Please clarify the difference in culvert sizing based on the Geomorphological Report meander belt and what is being proposed. It appears the proposed size of the culvert may present long term erosion issues based on the technical report.
N4	Natural Systems			Section 9, it appears that the draft ESR states during dewatering for the zone of influence that no water will be entering the feature east of Warden Avenue and that water will return once construction dewatering ceases. TRCA requests that once the zone of influence is determined that mitigation measures are put in place to ensure baseflow persists for the feature east of Warden Avenue in order to mitigate erosion that might occur if water is re-introduced to the system post construction.
13.	Water Resources	The ESR notes an OGS as a quality control treatment option. However, please note that TRCA has taken a position whereby OGS units, regardless of manufacturer, as a stand-alone measure can achieve up to a 50% TSS removal. Please revise to note that OGS can be used in conjunction with certain LID BMPs to provide a treatment train to provide 80% TSS removal.	The Study Team will update the SWM Memo (Appendix L) and the ESR to include TRCA position that OGS units achieve 50% TSS removal, OGS to be used in conjunction with LID BMPs to provide a treatment train to provide 80% TSS removal.”	Addressed.



14.	Water Resources	Please provide discussion regarding erosion control / water balance retention volume requirements and extended detention in the ESR.	Erosion control/extended detention were already included in the SWM Memo (Appendix L). The Study Team will update the SWM Memo to include discussion regarding water balance volume.”	As previously requested, similar to the discussion on the water quantity and water quality control, please include a dedicated section discussing the erosion control criteria (i.e., extended detention and on site retention), and the required and provided volumes for the proposed drainage catchments in the ESR and in Appendix Q of the draft ESR.
15.	Water Resources	Section 5.5 of the ESR notes that certain SWM requirements will be determined at the design stage, citing uncertainty regarding drainage area and imperviousness. TRCA staff would expect that drainage area and imperviousness would be known during the EA stage through the evaluation of alternatives and the selection of a preferred alternative. Please characterize the existing and proposed alternative conditions and provide discussion, calculations, modellign etc. related to stormwater management (e.g. conceptual tank sizing, LID retention volume requirements, etc.) as part of this stage. Based on the ESR currently provided, it is understood that this is considered “interim” and that additional information and analyses are forthcoming.	Drainage area and imperviousness were determined as part of the evaluation of alternative design concepts. The SWM Memo (Appendix L) will be updated to include this information. The SWM, Drainage and Hydrology Assessment and Report will build on the SWM Memo and include characterization of existing and proposed SWM for the preferred design concept and will include all related calculations and modeling. The SWM, Drainage and Hydrology Assessment Report will be included in the ESR.	<p>The preferred design concept is presented in Appendix Q of the draft ESR (Stormwater Management, Drainage, and Hydrology Assessment Report). Please address the following comments related to the proposed LIDs for SWM.</p> <p>a. According to Preliminary Preferred Stormwater Management Plans presented in Appendix F of draft ESR Appendix Q, it appears that not all catchments include LIDs and drainage from the full catchments may not be first treated by LIDs before being released to the outlets. Please confirm how all proposed drainage will first drain to the proposed LIDs before being released at the proposed outlet locations.</p> <p>b. According to the TRCA SWM Criteria 2012, drawdown calculations must include a safety correction factor for the infiltration rates per Table C3. Please review and revise the calculations as required to include the safety correction factor.</p> <p>c. Please note, at the detailed design stage, in-situ infiltration testing will be required to confirm the on site infiltration rates at the proposed LID locations.</p> <p>d. Please note, at the detailed design stage, cross sections of the proposed LIDs</p>

				<p>illustrating the bottom elevation and the seasonally high groundwater level will be required to demonstrate the minimum required separation has been met.</p> <p>e. According to Appendix E in the TRCA SWM Criteria (2012), outfalls should be located outside of the meander belt and 100 year erosion limit, above the 25 year floodline, oriented at an oblique angle to the watercourse, and include permanent erosion control measures. Please ensure at the detailed design stage the proposed outfalls have been located appropriately and provide all relevant calculations and details to ensure the proposed erosion control measures have been appropriately sized.</p>
16.	Water Resources	The Technical Memorandum (January 19, 2022) notes the unitary volume and discharge requirements for quantity control and erosion control identified in the NMFUA SWS, however limited discussion is provided as to how this relates to the Regional Roads. Please update/provide discussion on quantity control and erosion control as it relates to requirements set out in the NMFUA (whether the R.O.W. will use end-of-pipe facilities related to the NMFUA or instead provide the requisite control within the R.O.W.)	The Study Team requests a meeting with TRCA to discuss this comment.	<p>The drainage area assessments based on the latest preliminary design information have been included in Appendix Q (Stormwater Management, Drainage, and Hydrology Assessment Report). Please address the following comments related to the hydrology assessment.</p> <p>f. Please provide the existing contours on the existing drainage area figures to ensure the catchments have been delineated based on the existing topographical information.</p> <p>g. As Catchments 101, 102, 103 are all draining to the Culvert Outlet and Catchments 110, 111, 112, and 113 are all draining to the Bruce Creek Tributary, please consider combining the catchments for the purposes of hydrology modelling and peak flow calculations or provide justification for the discretized catchments.</p>

				<p>h. Please provide calculations and figures to support the time to peaks assumed in the model. Please ensure the longest flow path has been assumed. It was noted the Bransby Williams Formula was used for the proposed catchments, however the runoff coefficients are larger than 0.4 and this may not be appropriate. Please revise the proposed time to peak calculations as required.</p> <p>i. Please include the CN and IA values used in the model and provide all relevant calculations.</p> <p>j. It was noted the 4 hour Chicago and 24 hour SCS storms were run, however, per the Rouge River Hydrology Update (2018), the 6 hour AES was considered as the representative storm distribution for the entire Rouge River Watershed. Therefore, please include the 6 hour AES storm events in the hydrology modelling.</p> <p>k. Please provide all relevant calculations and excerpts to demonstrate the existing SWM Pond 7 and 8 has sufficient capacity to control the drainage area to the Bruce Creek Tributary to the pre-development peak flows and the subdivisions have accounted for the proposed storm sewer connections from the regional ROWs. Please ensure the SWM pond route reservoirs have been included in the model to demonstrate the combined controlled and uncontrolled drainage areas will not exceed the allowable release rates.</p> <p>l. Please provide a digital copy of the hydrology model for TRCA review.</p>
17.	Water Resources	The Technical Memorandum (January 19, 2022) references modelling from the NMFUA SWS. Please ensure that TRCA's currently-approved modelling (which may differ from the	The Study Team has obtained the files from TRCA.	The hydraulic assessment has been included in Appendix Q (Stormwater Management, Drainage, and Hydrology Assessment Report). Please address the following comments related to the hydraulic

		<p>NMFUA modelling) is used for analyses.</p> <p>The Technical Memorandum (January 19, 2022) notes that hydraulic modelling is required to assess the watercourse crossing and, during the meeting on January 27, 2022, profile changes may be proposed for Warden Avenue. Please provide a hydraulic assessment for all storm events demonstrating no negative impacts in the proposed condition. Please ensure digital copies of the model(s) are provided for review.</p> <p>As the Regulatory Floodplain is seen to currently overtop Warden Avenue at the watercourse crossing, it's recommended that the opportunity to upgrade this crossing be investigated. If a watercourse crossing replacement is proposed, please update the fluvial geomorphological investigation to determine 100-year erosion limits, in addition to the meander belt, to inform the sizing of the proposed hydraulic structure. Guidance for new/existing crossings can be found within TRCA's Crossing Guideline for Valley and Stream Corridors.</p>	<p>Hydraulic modeling has been obtained and will be included in the SWM, Drainage and Hydrology Assessment Report, demonstrating no negative impacts in the proposed condition.</p> <p>At the detailed design phase of the project, a fluvial geomorphologist will be engaged to look at the proposed crossing on Warden Avenue (approximately 840 m north of Major Mackenzie Drive) and determine if it complies with TRCA requirements for morphology.</p>	<p>assessment.</p> <p>a. Please provide all survey data completed to support the changes made to the revised existing conditions model (road profile, culvert details, etc.). It was noted the existing culverts were revised to twin 700 mm diameter CSPs however the Hydraulic Structure Inventory Sheet included in Appendix A of draft ESR Appendix Q notes the existing culvert are 600 mm in diameter. Please verify the size and revise the modelling as required.</p> <p>b. For TRCA review of the hydraulic model, please provide existing and proposed floodplain figures illustrating all relevant information including but not limited to the hydraulic cross section locations, the floodplain elevations, the floodplain delineation, existing topographic information, proposed grading, existing and proposed structures, and road limits.</p> <p>c. It was noted, works are proposed within the Regional floodplain at the intersection of Warden Avenue and Major Mackenzie Drive. Please confirm if grading is proposed at the south limit of the proposed works and provide a floodplain assessment to ensure there are no negative impacts to the surrounding properties.</p> <p>d. Please provide a digital copy of the hydraulic model for TRCA review.</p> <p>e. Please provide a commitment within the text of the Final ESR (or its appendices) to update the fluvial geomorphological investigation, at detailed design, to determine 100-year erosion limits, in addition to the meander belt,</p>
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				<p>to inform the sizing of the proposed hydraulic structure.</p> <p>f. Please note, at the detailed design stage, the fluvial geomorphological investigation must provide channel and bank permanent erosion protection with all sizing calculations for the proposed crossing.</p>
18.	Geotechnical	The engineering drawings showing the grading and earthworks for the proposed works will need to be provided in the form of site plan, longitudinal profile and cross-sections in appropriate intervals showing the existing grade vs proposed grade, and alterations, side slopes for the earthworks, and other pertinent information.	The preliminary design drawings will be in form of site plan, longitudinal profile and cross-sections at 20 m intervals and will show existing grades, proposed grades, cut and fill slopes and other pertinent information as per the Region's requirements.	Drawings will be reviewed at the detailed design stage.
19.	Geotechnical	Where the culverts will be replaced or extended, all necessary details will need to be developed and shown on the engineering drawings.	Proposed culvert replacements or extensions will be shown on the preliminary design drawings. Details of proposed size, location, type of culvert replacements will be documented in the Stormwater, Drainage and Hydrology Assessment Report, which will be appended to the ESR.	Drawings will be reviewed at the detailed design stage.
20.	Geotechnical	In the case that the retaining walls or wing walls or abutments will be needed to facilitate the proposed works, they will need to be designed and the engineering drawings will need to be provided as per the design.	The preliminary design drawings will show proposed retaining walls or wing walls or abutments needed to facilitate the proposed works. General Arrangement drawings will be prepared for structures and will be included in the ESR. Detailing of structures will be undertaken during the detailed design phase of the project.	Drawings will be reviewed at the detailed design stage.

21.	General	All construction information including the sequencing, the extent of temporary excavations and means to stabilize them, stockpiling, staging, storage areas, construction access, any other construction means altering the site condition will need to be provided as part of the future submission for the detailed design.	Acknowledged.	Drawings will be reviewed at the detailed design stage.
22	General	All engineering drawings in support of the proposed works will also need to be submitted as signed and sealed by a Licensed Professional Engineer.	Acknowledged.	Drawings will be reviewed at the detailed design stage.

## **Developer Group Correspondence**

## Sylvia Waters

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**From:** Sylvia Waters  
**Sent:** Thursday, November 25, 2021 1:34 PM  
**Cc:** Deanna De Forest  
**Subject:** 052314-Others - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road  
**Attachments:** 21305\_WardenKennedy\_NoticeCommencement FINAL.pdf

**Bcc:** 052314 Warden Ave and Kennedy Rd EA Studies; egrant@mgp.ca; charlotte@galtenfarms.com; myronp@deltaurban.com; mustafag@deltaurban.com; mpozzebon@dgggroup.ca; pineridgesupplies@gmail.com; jfast@evansplanning.com; ruthbrock1650@gmail.com; hbo0511@gmail.com; TonyM@maeng.ca; michael@kylemorecommunities.com; lmaclachlan@rogers.com; alexandra@decocommunities.ca; Christian@madisongroup.ca; Dsinger@madisongroup.ca; rickm@fieldgatedevelopments.com; clayl@bellnet.ca; elee@statebuild.com; rwebb@webbco.ca

On behalf of the Regional Municipality of York, please see the attached Notice of Commencement. The Regional Municipality of York is initiating Schedule C Municipal Class Environmental Assessment studies for Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build upon the recommendations from the approved 2016 York Region Transportation Master Plan.

Public consultation is an important part of the EA studies.

To provide comment or request additional information, please contact:

**York Region Transportation Services**

Edward Chiu, P.Eng., Senior Project Manager  
17250 Yonge Street  
Newmarket, ON L3Y 6Z1  
Phone: 1-877-464-9675 ext. 75908  
TTY: 1-866-512-6228  
Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)



# NOTICE OF STUDY COMMENCEMENT

## Municipal Class Environmental Assessment Study

### Warden Avenue and Kennedy Road Major Mackenzie Drive to Elgin Mills Road

in the City of Markham

The Regional Municipality of York is initiating Schedule 'C' Municipal Class Environmental Assessment (Class EA) Studies for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build on the recommendations from the approved 2016 York Region Transportation Master Plan.



Through the EA studies, York Region examines how to complete the identified infrastructure and active transportation improvements, and to mitigate any environmental impacts.

Information about open houses will be published in this newspaper and posted on [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and York Region's Facebook and Twitter channels.

Public consultation is an important part of the EA study. **York Region welcomes resident and stakeholder input throughout these studies and is seeking community members to form a stakeholder advisory group.** This group will meet at key milestones to provide feedback.

**To submit a comment or question, apply to be a member of a stakeholder advisory group or to be added to the project mailing list, please contact:**

#### York Region Transportation Services

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street

Newmarket, ON L3Y 6Z1

Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

To better assist you, please quote Warden and Kennedy EAs in your inquiry.

The study is being conducted in accordance with Schedule 'C' of the Municipal Class Environmental Assessment document (October 2000 as amended in 2007, 2011 and 2015). Personal information submitted (e.g. name, address, and phone number) is collected, maintained, and disclosed under the authority of the *Environmental Assessment Act* and the *Municipal Freedom of Information and Protection of Privacy Act* for transparency and consultation purposes. Personal information submitted will become part of a public record that is available to the general public unless it is requested that the personal information remain confidential.

An accessible version of this notice is available upon request.

This notice was first issued on November 25, 2021.

Wayne Emmerson

York Region Chairman and CEO

## Sylvia Waters

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**From:** Deanna De Forest  
**Sent:** Wednesday, December 01, 2021 12:45 PM  
**To:** asirianni@gwdplanners.com  
**Cc:** Chiu, Edward; Lee, Jessica; Alemi- Baygy, Tanin; Jennifer Vandermeer  
**Subject:** Notice of Commencement - Warden Avenue and Kennedy Road, Municipal Class Environmental Assessments  
**Attachments:** 21305\_WardenKennedy\_NoticeCommencement FINAL.pdf

Good afternoon Anthony,

The Regional Municipality of York is initiating Schedule C Municipal Class Environmental Assessment studies for Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build upon the recommendations from the approved 2016 York Region Transportation Master Plan.

On behalf of the Regional Municipality of York, please see the attached Notice of Commencement.

Public consultation is an important part of the EA studies. To provide comment about the studies, or request additional information, please contact:

York Region Transportation Services  
Edward Chiu, P.Eng., Senior Project Manager  
17250 Yonge Street  
Newmarket, ON L3Y 6Z1  
Phone: 1-877-464-9675 ext. 75908  
TTY: 1-866-512-6228  
Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

Thank you for your interest in the Municipal Class EA studies for Warden Avenue and Kennedy Road. Your contact information has been included on our project contact list to receive future notifications about the studies.

Regards,

**Deanna De Forest**  
Senior Environmental Coordinator

R.J. Burnside & Associates | [www.rjburnside.com](http://www.rjburnside.com)  
Office: +1 800-265-9662 Direct: +1 705-797-4357

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**From:** Chiu, Edward  
**Sent:** Monday, April 12, 2021 10:04 AM  
**To:** Anthony Sirianni <[asirianni@gwdplanners.com](mailto:asirianni@gwdplanners.com)>  
**Cc:** Richard Domes <[rdomes@gwdplanners.com](mailto:rdomes@gwdplanners.com)>; Michael Gagnon <[mgagnon@gwdplanners.com](mailto:mgagnon@gwdplanners.com)>; Marilyn Mascarenhas <[marilynm@gwdplanners.com](mailto:marilynm@gwdplanners.com)>; Daryl Singh <[dsingh@gwdplanners.com](mailto:dsingh@gwdplanners.com)>; Jessica Lee <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)> <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Shepherd, Logan <[Logan.Shepherd@york.ca](mailto:Logan.Shepherd@york.ca)>  
**Subject:** RE: Request for Information - Warden Avenue Environmental Assessment - PN: 2673 EA

Good morning Anthony,

The Warden Avenue Class Environmental Assessment (EA) has not been initiated yet. We are currently going through the process of retaining the EA consultant with the anticipation of starting the EA around June this year.

Please note York Region's 2016 Transportation Master Plan was completed with extensive public consultation and this document satisfies Phases 1 and 2 of the EA process so the upcoming EA will focused on Phase 3 onwards.



We will include you into our study contact list and will send you notifications as we proceed with the study. At the meantime please feel free to contact me if there is anything else I can be of assistance.

**Edward Chiu, P.Eng.** | Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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**From:** Anthony Sirianni [<mailto:asirianni@gwdplanners.com>]  
**Sent:** Thursday, April 8, 2021 10:37 AM  
**To:** Chiu, Edward  
**Cc:** Richard Domes; Michael Gagnon; Marilyn Mascarenhas; Daryl Singh  
**Subject:** Request for Information - Warden Avenue Environmental Assessment - PN: 2673 EA  
**Importance:** High

**CAUTION!** This is an external email. Verify the sender's email address and carefully examine any links or attachments before clicking. If you believe this may be a phishing email, forward it to [isitsafe@york.ca](mailto:isitsafe@york.ca) then delete it from your inbox. If you think you may have clicked on a phishing link, report it to the IT Service Desk, ext. 71111, and notify your supervisor immediately.

April 8, 2021

Hello Edward,

My name is Anthony Sirianni and I am an Associate Planner with Gagnon Walker Domes Ltd. I am currently conducting research regarding the Warden Avenue Environmental Assessment which is being conducted by the Region of York and would like to know as to its status. Any additional information you could provide me regarding the Warden Avenue Environmental Assessment would be greatly appreciated.

Looking forward to hearing back from you.

Regards,

**Anthony Sirianni**  
Planning Associate



**Brampton Office:** 21 Queen Street East, Suite 500, Brampton, ON L6W 3P1 P: 905-796-5790 ext. 262

**Markham Office:** 3601 Highway 7 East, Suite 310, Markham, ON L3R 0M3 P: 905-477-6556

E: [asirianni@gwdplanners.com](mailto:asirianni@gwdplanners.com) W: [www.gwdplanners.com](http://www.gwdplanners.com) TF: 1-855-771-7266

Note: The content of this e-mail message should be treated as confidential and is the property of Gagnon Walker Domes Ltd. (GWD) This e-mail message is for the sole use of the intended recipient and may not be copied, modified, distributed, or used without the express permission of GWD. If you are not the intended recipient, please destroy all copies of this e-mail and notify GWD immediately. Information related to this e-mail is automatically monitored and recorded and the content may be required to be disclosed by GWD to a third party in certain circumstances.

## Sylvia Waters

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**From:** Sylvia Waters  
**Sent:** Thursday, November 25, 2021 4:11 PM  
**To:** David Singer  
**Cc:** Deanna De Forest  
**Subject:** RE: 052314-Others - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

Thank you David for your email. We will add the two emails below to the Project Contact List.

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**From:** David Singer <[dsinger@madisongroup.ca](mailto:dsinger@madisongroup.ca)>  
**Sent:** Thursday, November 25, 2021 4:01 PM  
**To:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Cc:** Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>  
**Subject:** Re: 052314-Others - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

Please include two of my colleagues on this emailer and future circulations...

[Rchin@madisongroup.ca](mailto:Rchin@madisongroup.ca)  
[Christian@madisongroup.ca](mailto:Christian@madisongroup.ca)

Thanks,

David Singer  
Madison Group  
369 Rimrock Road | Toronto, Ontario |  
M3J 3G2  
O 416.661.4000 | F 416.661.4229 |  
[dsinger@madisongroup.ca](mailto:dsinger@madisongroup.ca)

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**From:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>  
**Sent:** Thursday, November 25, 2021 1:34:07 PM  
**Cc:** Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>  
**Subject:** 052314-Others - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

On behalf of the Regional Municipality of York, please see the attached Notice of Commencement. The Regional Municipality of York is initiating Schedule C Municipal Class Environmental Assessment studies for Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build upon the recommendations from the approved 2016 York Region Transportation Master Plan.

Public consultation is an important part of the EA studies.

To provide comment or request additional information, please contact:

### York Region Transportation Services

Edward Chiu, P.Eng., Senior Project Manager  
17250 Yonge Street  
Newmarket, ON L3Y 6Z1  
Phone: 1-877-464-9675 ext. 75908  
TTY: 1-866-512-6228  
Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

## Sylvia Waters

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**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Monday, November 29, 2021 10:25 AM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden and Kennedy EAs

Please add Bo to the Contact List, thanks.

**Edward Chiu, P.Eng.** | Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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**From:** Chiu, Edward  
**Sent:** Monday, November 29, 2021 10:18 AM  
**To:** 'bo huang' <[hbo0511@gmail.com](mailto:hbo0511@gmail.com)>  
**Cc:** [bo.h@beacondevelopment.ca](mailto:bo.h@beacondevelopment.ca)  
**Subject:** RE: Warden and Kennedy EAs

Good morning Bo,

Thank you for your interest in the Warden Ave. and Kennedy Rd. EA Studies, we will add you to the contact list and inform you on all future notifications.

**Edward Chiu, P.Eng.** | Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** bo huang <[hbo0511@gmail.com](mailto:hbo0511@gmail.com)>  
**Sent:** Saturday, November 27, 2021 11:55 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** [bo.h@beacondevelopment.ca](mailto:bo.h@beacondevelopment.ca)  
**Subject:** Warden and Kennedy EAs

Hi Edward,

I have received the notice regarding the project captioned above, and I would like to be added to the project mailing list for the future updates. Thanks.

Regards  
Bo



## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Friday, February 18, 2022 3:00 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** Warden/Kennedy EAs - Minutes of Meeting with Berczy Glen Development  
**Attachments:** 2022 02(Feb) 09 - York (Virtual) - Warden Avenue Profile and Interim Int....pdf; 1548P-PROF-WARDEN-W-TRAF-Feb09.pdf

Hello Jennifer/Deanna,

Attached please find minutes associated with Berczy Glen Development. Please note they are reviewing opportunities for us to outlet our sewers into their SWM pond to possibly reducing LID requirements for Warden.

Hi Tanin,

Please save this into eDoc under:

Windows Explorer DM Extension\My Workspaces\CPD Folders\Capital Planning & Delivery - EA\83993  
84043 Warden Ave & Kennedy Rd - MMD to Elgin Mills Rd\T02 Transportation\6.  
Correspondence\Landowners\Berczy Glen Development

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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## Deanna De Forest

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**From:** Lee, Jessica <Jessica.Lee@york.ca>  
**Sent:** Wednesday, November 23, 2022 1:27 PM  
**To:** Deanna De Forest  
**Cc:** Jennifer Vandermeer; Ray Bacquie; Chiu, Edward; Nurani, Kadin  
**Subject:** FW: Contact to be added to Warden/Kennedy EA mailing list

Hi Deanna,

Please include the following contact into the EA contact list. Thanks

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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---

**From:** Vader, Teresa <Teresa.Vader@york.ca>  
**Sent:** Wednesday, November 23, 2022 1:23 PM  
**To:** Lee, Jessica <Jessica.Lee@york.ca>  
**Cc:** Chiu, Edward <Edward.Chiu@york.ca>  
**Subject:** Contact to be added to Warden/Kennedy EA mailing list

Good afternoon,

Please add the following contact to the Warden Avenue and Kennedy Road EA mailing list:

Corrado Russo <[crusso@dgggroup.ca](mailto:crusso@dgggroup.ca)>

Thank you,

*Our working hours may be different. Please do not feel obligated to reply outside of your scheduled working hours. Let's work together to help foster healthy work-life boundaries.*

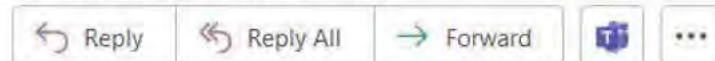
**Teresa Vader** (she/her) | Communications and Community Engagement Specialist, Strategic Initiatives and Programs, Public Works

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
(289) 716-3053 | [Teresa.Vader@york.ca](mailto:Teresa.Vader@york.ca) | [york.ca](http://york.ca)

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052314-Notice of online open house, MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham



Thu 2/24/2022 12:42 PM



Sylvia Waters

To

Cc Deanna De Forest

Bcc



On behalf of the Regional Municipality of York, please see the attached Notice of online open house, for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham.

Public consultation is an important part of the Environmental Assessment studies. You are invited to take part in an online open house to learn about the study process, road improvement design options and to provide feedback. Open house materials are available at [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and can be viewed from **February 24, 2022 to March 24, 2022**.

To submit a question or comment, please contact:

**YORK REGION TRANSPORTATION SERVICES**

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street, Newmarket, Ontario, L3Y 6Z1

Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

052314-Notice of online open house, MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham



Sylvia Waters

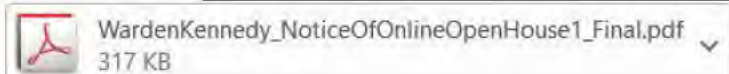
To

Cc Deanna De Forest

Bcc

Reply Reply All Forward

Thu 2/24/2022 12:42 PM



On behalf of the Regional Municipality of York, please see the attached Notice of online open house, for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham.

Public consultation is an important part of the Environmental Assessment studies. You are invited to take part in an online open house to learn about the study process, road improvement design options and to provide feedback. Open house materials are available at [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and can be viewed from **February 24, 2022 to March 24, 2022**.

To submit a question or comment, please contact:

**YORK REGION TRANSPORTATION SERVICES**

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street, Newmarket, Ontario, L3Y 6Z1

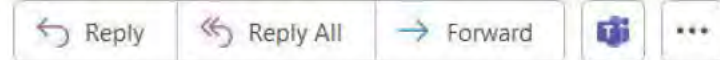
Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)



## 052314-Notice of online open house, MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham



Thu 2/24/2022 12:43 PM



Sylvia Waters

To

Cc Deanna De Forest

Bcc [redacted] Rchin@madisongroup.ca; Christian@madisongroup.ca; [redacted] egrant@mgp.ca; rwebb@webbco.ca;  
michael@kylemorecommunities.com; alexandra@decocommunities.ca; cmarchese@decocommunities.ca; rickm@fieldgatedevelopments.com; clayl@bellnet.ca; elee@statebuild.com;

052314 Warden Ave and Kennedy Rd EA Studies



WardenKennedy\_NoticeOfOnlineOpenHouse1\_Final.pdf

317 KB

On behalf of the Regional Municipality of York, please see the attached Notice of online open house, for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham.

Public consultation is an important part of the Environmental Assessment studies. You are invited to take part in an online open house to learn about the study process, road improvement design options and to provide feedback. Open house materials are available at [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and can be viewed from **February 24, 2022 to March 24, 2022**.

To submit a question or comment, please contact:

### YORK REGION TRANSPORTATION SERVICES

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street, Newmarket, Ontario, L3Y 6Z1

Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

## Sylvia Waters

---

**From:** Lee, Jessica <Jessica.Lee@york.ca>  
**Sent:** Thursday, May 26, 2022 10:54 AM  
**To:** Jennifer Vandermeer  
**Cc:** Deanna De Forest; Ray Bacquie; Chiu, Edward; Li, Vince  
**Subject:** FW: RE: Berczy Glen - stormwater management plan

Hi Jennifer,

Sorry I've overlooked this email. Please find information below from SCS.

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

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1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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**From:** Tse, Noel <ntse@scsconsultinggroup.com>  
**Sent:** Tuesday, May 24, 2022 6:46 PM  
**To:** Lee, Jessica <Jessica.Lee@york.ca>  
**Cc:** Woo, Douglas <dwoo@scsconsultinggroup.com>; Chiu, Edward <Edward.Chiu@york.ca>; Li, Vince <Vince.Li@york.ca>; Moore, Lindsay <lmoore@scsconsultinggroup.com>  
**Subject:** RE: RE: Berczy Glen - stormwater management plan

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Hi Jessica,

We had submitted the replication and enhancement design for the BR2-H15 to Mauricio Saya at the Region for review in October 2020. Mauricio advised on November 10, 2020 that the Region had no comments on the submission.

We have compiled the latest design documents for BR2-H15 for your reference at the link below:

<https://filesafecloud.scsconsultinggroup.com/url/gunddxkjepqmdwq7>

The link includes the following:

- BR2-H15 Replication and Enhancement Design Report, prepared by Beacon Environmental dated December 2021 (includes channel design drawings in Appendix D)
- Landscape plans LC1 and LC2, prepared by Nak Design Strategies, dated December 2021
- Erosion and Sediment Control plans 605 and 606, prepared by SCS Consulting Group, dated December 2021

We received TRCA Permit No. C-220226 in March 2022 for the construction of BR2-H15.



Please let us know if you require any further information.

Thank you,

**Noel Tse**, P.Eng.

**SCS Consulting Group Ltd.**

30 Centurian Drive, Suite 100

Markham, ON, L3R 8B8

(T) 905.475.1900 Ext. 2360

(F) 905.475.8335

ntse@scsconsultinggroup.com

www.scsconsultinggroup.com

----- Forwarded message -----

From: "Lee, Jessica" <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>

Date: May 20, 2022 4:35 p.m.

Subject: RE: Berczy Glen - stormwater management plan

To: "Woo, Douglas" <[dwoo@scsconsultinggroup.com](mailto:dwoo@scsconsultinggroup.com)>

Cc: "Chiu, Edward" <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>, "Li, Vince" <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>

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Hi Doug,

Just following up on my earlier email, could you please provide any SWM plan or design related to the enhanced corridor (BR2-H15).

Regards,  
Jessica

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

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1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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---

**From:** Lee, Jessica  
**Sent:** Thursday, May 12, 2022 2:47 PM  
**To:** Woo, Douglas <[dwoo@scsconsultinggroup.com](mailto:dwoo@scsconsultinggroup.com)>  
**Cc:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>  
**Subject:** Berczy Glen - stormwater management plan

Hi Doug,

Our EA team for the Warden and Kennedy EAs from Major Mackenzie Dr to Elgin Mills Rd is currently assessing the culvert size and crossing design at the Bruce Creek tributary crossing (~830m north of the Major Mackenzie Dr on Warden Ave). To the west side of this crossing, it is proposed for the enhanced corridor (BR2-H15). We would like to

know if SCS have any details on the stormwater management for the Berczy Glen development, specifically design for the enhanced corridor to outlet to the existing crossing location, as those information will facilitate our design work at this crossing.

Best regards,  
Jessica

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

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## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Wednesday, July 27, 2022 3:09 PM  
**To:** Stark, Jill  
**Cc:** Chiu, Edward; Lee, Jessica; Li, Vince; Ray Bacquie; Deanna De Forest; Rhoshell Baker  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Hi Jill,

We are just waiting for feedback on our evaluation of the three alternative design concepts from TRCA and City of Markham. Once we receive feedback, we'll be able to confirm our preliminary preferred design concept and advance the EA Study. We do not anticipate significant changes to the preliminary preferred design concept once it's confirmed. At present, we are considering adding a marked median of up to 1.0m to Alternative 3 instead of having no median. This would mean reducing the distance between the curb and LID by up to 0.5m on each side of the ROW. Hope this helps for your planning.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

---

**From:** Stark, Jill <jstark@scsconsultinggroup.com>  
**Sent:** Wednesday, July 27, 2022 12:29 PM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Hi Jennifer,

Thank you for providing the cross-sections under consideration. We appreciate your assistance.

Understanding that the EA is in the preliminary stages, could the cross section undergo significant changes as the EA study is advanced? Or would only minimal changes be expected?

Regards,

**Jill Stark, P.Eng.**

**SCS Consulting Group Ltd.**

30 Centurian Drive, Suite 100

Markham, ON, L3R 8B8

(T) 905.475.1900 Ext. 2378

(F) 905.475.8335

jstark@scsconsultinggroup.com

---

**From:** Jennifer Vandermeer [<mailto:Jennifer.Vandermeer@rjburnside.com>]  
**Sent:** July-27-22 10:30 AM  
**To:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>; Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

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Hi Jill,  
Please find attached the alternative cross-sections being considered for Warden Avenue for your reference.  
Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

R.J. Burnside & Associates Limited  
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Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

---

**From:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>  
**Sent:** Wednesday, July 27, 2022 9:16 AM  
**To:** Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Hi John,

Depending on the ultimate Warden Avenue cross-section, an ultimate ROW elevation 0.3m above the proposed ultimate centreline may create a steeper boulevard condition than desired. We were hoping to use the cross-section to confirm. If it is not available, we will assume 0.3m above the proposed ultimate centreline.

Thanks,

**Jill Stark**, P.Eng.

**SCS Consulting Group Ltd.**

30 Centurian Drive, Suite 100  
Markham, ON, L3R 8B8  
(T) 905.475.1900 Ext. 2378  
(F) 905.475.8335



---

**From:** Lau, John [<mailto:John.Lau@york.ca>]  
**Sent:** July-27-22 9:07 AM  
**To:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>; Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035  
**Importance:** High

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Hi Jill,

Can you please clarify what you mean by the following regarding the concept cross-sections:

Would it be possible to get the potential options for cross-sections in PDF? We need a rough idea of what is planned to address Region comments on the DG Berczy Warden Subdivision.

As indicated in the previous meeting, all you required to do in order to address the Region's comment is use the proposed ultimate Warden Ave Centreline elevation to set the Ultimate ROW elevation, which should be 0.3m above the proposed ultimate centreline elevation in order to ensure the future boulevard can maintain a boulevard cross-slope between 2%-4%. The ultimate ROW limit elevation will then determine how your internal subdivision grading is to be designed in order to ensure no runoff from the site will drain onto the Warden Ave. Under your subdivision engineering work you are not urbanizing the Warden Ave boulevard so how the boulevard configuration looks like in the future should not have any impact for you in address the Region's comment. Thanks.

Regards,

**John Lau, M.Eng., P.Eng.** | Development Engineer  
Community Planning and Development Services Division

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
O: 1-877-464-9675 ext. 78034 | C: 289-763-2711 | [john.lau@york.ca](mailto:john.lau@york.ca) | [www.york.ca](http://www.york.ca)

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**From:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>  
**Sent:** Tuesday, July 26, 2022 5:36 PM  
**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035



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Hi Jennifer,

Thank you for providing the preliminary plan and profile for Warden Avenue. We gather that the preferred cross-section for Warden Avenue has not been determined. Would it be possible to get the potential options for cross-sections in PDF? We need a rough idea of what is planned to address Region comments on the DG Berczy Warden Subdivision.

Should you have any questions or concerns, please do not hesitate to call.

Regards,

**Jill Stark**, P.Eng.

**SCS Consulting Group Ltd.**

30 Centurian Drive, Suite 100

Markham, ON, L3R 8B8

**(T) 905.475.1900 Ext. 2378**

(F) 905.475.8335

[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)

[www.scsconsultinggroup.com](http://www.scsconsultinggroup.com)

---

**From:** Jennifer Vandermeer [<mailto:Jennifer.Vandermeer@rjburnside.com>]

**Sent:** July-14-22 1:58 PM

**To:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>

**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael

<[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Lau, John

<[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>

**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

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Good afternoon, Jill,

Further to Jessica's request, we have assembled the most current preliminary plan and profile for Warden Avenue. Please see link below to download the CAD files associated with this drawing as well as a complete PDF.

 [220714 Warden Ave - Prelim Plan Profile](#)

**Note:** Link will expire on Friday August 12, 2022.

Note, this plan and profile should be viewed as 'interim' as the study team will be updating and refining it as we confirm the preferred cross-section for Warden Avenue and advance the EA study.

Please kindly confirm receipt of the link.

Best regards,  
Jennifer





**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

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Office: 800-265-9662 Direct: 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

---

**From:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Sent:** Wednesday, July 06, 2022 10:16 AM  
**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Cc:** Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>; Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Hi Jennifer,

Could you please provide the latest design of Warden Avenue to SCS to facilitate them in updating their design for the Berczy Glen development?

Thanks,  
Jessica

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

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---

**From:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>  
**Sent:** Wednesday, July 6, 2022 9:45 AM  
**To:** Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Cc:** Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

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Hi Jessica,

Yes. If you could provide the latest design it would help us progress with our interim intersection submission. We understand the drawings are not final and subject to change.

Regards,

**Jill Stark**, P.Eng.

**SCS Consulting Group Ltd.**

30 Centurian Drive, Suite 100

Markham, ON, L3R 8B8

(T) 905.475.1900 Ext. 2378

(F) 905.475.8335

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www.scsconsultinggroup.com

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Regards,

**John Lau, M.Eng., P.Eng.** | Development Engineer

Community Planning and Development Services Division

---

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O: 1-877-464-9675 ext. 78034 | C: 289-763-2711 | [john.lau@york.ca](mailto:john.lau@york.ca) | [www.york.ca](http://www.york.ca)

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**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

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Regards,  
Jessica

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**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

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**Cc:** Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>; [mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)  
**Subject:** Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035  
**Importance:** High

Hi Edward and Jessica,

Development Engineering just has a meeting with the consultant regarding the subject application. The consultant would like to know if CPD has any of the following information from the Warden Ave EA that can be shared to them (in both pdf & CAD file format) in order to assist them in updating their design and addressing Region's Engineering comments:

- Warden Ave Ultimate centerline elevation;
- Warden Ave Ultimate typical cross-sections.

Regards,

**John Lau, M.Eng., P.Eng.** | Development Engineer  
Community Planning and Development Services Division

---

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## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Thursday, September 08, 2022 10:46 AM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Nurani, Kadin  
**Subject:** FW: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Good morning Jennifer/Deanna,

Please see correspondence with the consultant representing the Schickedanz and Wagemas properties on Warden Ave., for your incorporation into the EA documentation.

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**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

-----  
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---

**From:** Chiu, Edward  
**Sent:** Thursday, September 8, 2022 10:38 AM  
**To:** 'Mustafa Ghassan' <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Subject:** RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Good morning Mustafa,

I reviewed the current property limit on your client's property and noted the property line is about 18 to 19m from the centreline of Warden Avenue.

In order to provide the road widening and the boulevard space for low impact development (LID) features, tree planting, lighting, utilities, as well as active transportation facilities such as sidewalk and cycle track, a width of 20.5m from the centreline to the back of the boulevard will be required. This will result in approximately 1.5m to 2.5m of additional property required at your client's property.

In addition, to provide proper drainage system along Warden Ave. we anticipate the road will also need to be raised up to approximately 1m which will result in the need for additional grading or installation of retaining wall beyond the 1.5/2.5m of property required as indicated above.

We are currently still finalizing the preliminary design of Warden Ave. and can share this information with you once they are ready.

At the meantime, if you and your client wish to meet to discuss this in greater details, we would be happy to meet with you.



Please note the widening of Warden Ave. is currently scheduled for 2027, the schedule will be reviewed annually and may be adjusted depending on priority and funding across the Region.

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**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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**From:** Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
**Sent:** Tuesday, September 6, 2022 2:30 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Subject:** RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemma parcels

Thank you for your patience, Edward, and my apologies for the seemingly delayed response. I didn't see the email until now when cleaning my spam mail.

All that I wanted to understand is whether land taking is expected from our client's land. As you know, our client is a farmer and the family has no interest in developing the property in the near future.

Should you have any questions, please don't hesitate to contact us.

Thank you & Regards,

**Mustafa Ghassan, BES, M.Eng**



8800 Dufferin Street, Suite 104 | Vaughan, ON | L4K 0C5 | Tel: 905-660-7667 Ext. 232 | Cell: 647-833-3047 | Fax: 905-660-7076

E-mail: [mustafag@deltaurban.com](mailto:mustafag@deltaurban.com) | Visit us at: <https://deltaurban.com/>

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**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Sent:** Monday, August 8, 2022 4:50 PM  
**To:** Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Subject:** Warden Avenue EA - Discussion on the Schickedanz and Wagemma parcels

Good afternoon Mustafa,

Bob Webb from Webb + Co Ltd. reached out to me and advised me that you wish to discuss the Warden Ave. EA between Major Mackenzie Dr. and Elgin Mills Rd. and in particular, associated with the Schickedanz and Wagemma parcels.

We would be happy to meet with you and provide greater details on our EA, would you kindly confirm what you wish to discuss so I can bring in other staff from York Region as well as our consultant so we can ensure the appropriate people will be available to provide you information?

Also, please provide some dates/times that we can meet with you.

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**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

-----  
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## Deanna De Forest

---

**From:** Jennifer Vandermeer  
**Sent:** Wednesday, August 10, 2022 9:06 AM  
**To:** Engel, Michael  
**Cc:** Stark, Jill; Chiu, Edward; Lee, Jessica; Li, Vince; Nurani, Kadin; Ray Bacquie; Rhoshell Baker; Deanna De Forest  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Good morning, Michael,

We've exported the preliminary plan and profile drawing again, this time the .zip file includes a surface dwg file, which should help you to understand the existing grading associated with the profile. If you have any questions, I can put you in touch with our road designer, Rhoshell Baker, who is cc'd on this email.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
**Office:** 800-265-9662 **Direct:** 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

[220810 Warden Ave - Prelim Plan Profile CAD](#)

**Note:** LINK expires on Friday September 9, 2022.

---

**From:** Engel, Michael <mengel@scsconsultinggroup.com>  
**Sent:** Tuesday, August 09, 2022 11:43 AM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>  
**Cc:** Stark, Jill <jstark@scsconsultinggroup.com>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Jennifer,

Further to the below, we were wondering if there is a plan view centreline grading drawing (with point objects) associated with the below profile.

This information would be helpful in updating our design of the Berczy Glen development.

Regards,

**Michael Engel**, BAsC, MEng

**SCS Consulting Group Ltd.**

30 Centurian Drive, Suite 100

Markham, ON, L3R 8B8

**(T) 905.475.1900 Ext. 2522**

(F) 905.475.8335

[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)



---

**From:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Sent:** July-14-22 1:58 PM  
**To:** Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>  
**Cc:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>; Rhoshell Baker <[Rhoshell.Baker@rjburnside.com](mailto:Rhoshell.Baker@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

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Good afternoon, Jill,

Further to Jessica's request, we have assembled the most current preliminary plan and profile for Warden Avenue. Please see link below to download the CAD files associated with this drawing as well as a complete PDF.

 [220714 Warden Ave - Prelim Plan Profile](#)

**Note:** Link will expire on Friday August 12, 2022.

Note, this plan and profile should be viewed as 'interim' as the study team will be updating and refining it as we confirm the preferred cross-section for Warden Avenue and advance the EA study.

Please kindly confirm receipt of the link.

Best regards,  
Jennifer



**Jennifer Vandermeer, P.Eng.**  
Senior Environmental Coordinator

Pronouns: (She/Her/Hers)

R.J. Burnside & Associates Limited  
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4  
**Office:** 800-265-9662 **Direct:** 226-486-1559  
[www.rjburnside.com](http://www.rjburnside.com)

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**From:** Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
**Sent:** Wednesday, July 06, 2022 10:16 AM  
**To:** Jennifer Vandermeer <[Jennifer.Vandermeer@rjburnside.com](mailto:Jennifer.Vandermeer@rjburnside.com)>  
**Cc:** Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Engel, Michael <[mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)>; Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Li, Vince <[Vince.Li@york.ca](mailto:Vince.Li@york.ca)>; Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>; Lau, John <[John.Lau@york.ca](mailto:John.Lau@york.ca)>; Ray Bacquie <[Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)>  
**Subject:** RE: Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

Hi Jennifer,



Could you please provide the latest design of Warden Avenue to SCS to facilitate them in updating their design for the Berczy Glen development?

Thanks,  
Jessica

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**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

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**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

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**Cc:** Mollett, Calvin <[Calvin.Mollett@york.ca](mailto:Calvin.Mollett@york.ca)>; Stark, Jill <[jstark@scsconsultinggroup.com](mailto:jstark@scsconsultinggroup.com)>; [mengel@scsconsultinggroup.com](mailto:mengel@scsconsultinggroup.com)

**Subject:** Berczy Glen Subdivision Warden Ave design - ENG.21.M.0035

**Importance:** High

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- Warden Ave Ultimate typical cross-sections.

Regards,

**John Lau, M.Eng., P.Eng.** | Development Engineer  
Community Planning and Development Services Division

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This email message will be sent to about 32 recipients.

**To**

**Cc** [Deanna De Forest](#)

**Bcc** [052314 Warden Ave and Kennedy Rd EA Studies](#); [egrant@mgp.ca](#); [charlotte@galtenfarms.com](#); [myronp@deltaurban.com](#); [mustafag@deltaurban.com](#); [mpozzebon@dgggroup.ca](#); [AZappone@dgggroup.ca](#); [pineridgesupplies@gmail.com](#); [jfast@evansplanning.com](#); [\[REDACTED\]](#); [\[REDACTED\]](#); [TonyM@maeng.ca](#); [michael@kylemorecommunities.com](#); [\[REDACTED\]](#); [alexandra@decocommunities.ca](#); [cmarchese@decocommunities.ca](#); [David Singer <dsinger@madisongroup.ca>](#); [Rchin@madisongroup.ca](#); [Christian@madisongroup.ca](#); [rickm@fieldgatedevelopments.com](#); [asaa@fieldgatedevelopments.com](#); [mariah@fieldgatedevelopments.com](#); [clayl@bellnet.ca](#); [elee@statebuild.com](#); [rwebb@webbco.ca](#); [andrew.sjogren@mattamycorp.com](#); [mehr.hazari@mattamycorp.com](#); [Phillip.Santana@mattamycorp.com](#); [jstark@scsconsultinggroup.com](#); [mengel@scsconsultinggroup.com](#)

**Subject** 052314-D-Notice of online open house for MCEA Schedule C for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham

 Notice of Online Open House #2-Warden Avenue and Kennedy Road.pdf  
326 KB

On behalf of the Regional Municipality of York, please see the attached Notice of online open house (#2) for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham.

You are invited to take part in the second online open house to learn about the study process, road improvement design options evaluated, preferred design concepts and next steps.

Open house materials are available at [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and can be viewed from **Friday, November 25, 2022 to Friday, January 6, 2023**. Share your comments through the online open house feedback form or send them to [transportation@york.ca](mailto:transportation@york.ca) by Friday, January 6, 2023.



## Sylvia Waters

---

**From:** Deanna De Forest  
**Sent:** Thursday, November 24, 2022 12:29 PM  
**To:** crusso@dgggroup.ca  
**Subject:** 052314-D Notice of online open house for MCEA Schedule C Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road, City of Markham  
**Attachments:** Notice of Online Open House #2-Warden Avenue and Kennedy Road.pdf

Hello,

On behalf of the Regional Municipality of York, please see the attached notice of online open house #2 for Warden Avenue and Kennedy Road from Major Mackenzie Drive to Elgin Mills Road in the City of Markham.

You are invited to take part in the second online open house to learn about the study process, road improvement design options evaluated, preferred design concepts and next steps.

Open house materials are available at [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and can be viewed from **Friday, November 25, 2022 to Friday, January 6, 2023**. Share your comments through the online open house feedback form or send them to [transportation@york.ca](mailto:transportation@york.ca) by Friday, January 6, 2023.

**Deanna De Forest, B.Sc., E.P.**  
Senior Environmental Coordinator

R.J. Burnside & Associates Limited | [www.rjburnside.com](http://www.rjburnside.com)  
Office: +1 800-265-9662 Direct: +1 705-797-4357

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Thank you.

\*\*\*\*\*

## **Public Correspondence**

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## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Monday, November 29, 2021 10:14 AM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: A familiar Name

Please add [REDACTED] into the Study Contact List.

Edward Chiu, P.Eng. | Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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**From:** [REDACTED]  
**Sent:** Saturday, November 27, 2021 10:23 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** A familiar Name

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Good morning Ed.

[REDACTED] here and very nice to see you are leading the EA's for Warden and Kennedy.

I hope you and your family are keeping healthy and well. I continue to live in Unionville and we are all doing fine, albeit time is passing far too quickly.

Please have your team add me to the mailing list for for the EA's. The two roads are part of my cycling routes and I'll be interested to keep informed on what's planned.

Stay well and look forward to an opportunity to catch up.

Regards,

[REDACTED]



# NOTICE OF STUDY COMMENCEMENT

Municipal Class Environmental Assessment Study

## Warden Avenue and Kennedy Road Major Mackenzie Drive to Elgin Mills Road in the City of Markham

The Regional Municipality of York is initiating Schedule 'C' Municipal Class Environmental Assessment (Class EA) Studies for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build on the recommendations from the approved 2016 York Region Transportation Master Plan.



Through the EA studies, York Region examines how to complete the identified infrastructure and active transportation improvements, and to mitigate any environmental impacts.

Information about open houses will be published in this newspaper and posted on [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) and York Region's Facebook and Twitter channels.

Public consultation is an important part of the EA study. **York Region welcomes resident and stakeholder input throughout these studies and is seeking community members to form a stakeholder advisory group.** This group will meet at key milestones to provide feedback.

**To submit a comment or question, apply to be a member of a stakeholder advisory group or to be added to the project mailing list, please contact:**

**York Region Transportation Services**  
Edward Chiu, P.Eng., Senior Project Manager  
17250 Yonge Street  
Newmarket, ON L3Y 6Z1  
Phone: 1-877-464-9675 ext. 75908  
TTY: 1-866-512-6228  
Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

To better assist you, please quote Warden and Kennedy EAs in your inquiry.

The study is being conducted in accordance with Schedule 'C' of the Municipal-Class Environmental Assessment document (October 2000 as amended in 2007, 2011 and 2015). Personal information submitted (e.g. name, address, and phone number) is collected, maintained, and disclosed under the authority of the *Environmental Assessment Act* and the *Municipal Freedom of Information and Protection of Privacy Act* for transparency and consultation purposes. Personal information submitted will become part of a public record that is available to the general public unless it is requested that the personal information remain confidential.

An accessible version of this notice is available upon request.  
This notice was first issued on November 25, 2021.

Wayne Emmerson





## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Monday, January 24, 2022 5:17 PM  
**To:** Alemi- Baygy, Tanin; Lee, Jessica  
**Subject:** FW: 052314 - Stakeholders - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please save under:

Windows Explorer DM Extension\YORK\Public Folders\TRANSPORTATION SERVICES\Capital Planning & Delivery - EA\83993 84043 Warden Ave & Kennedy Rd - MMD to Elgin Mills Rd\T02 Transportation\4. Notices\01 Notice of Commencement\Request to be Added into Contact List

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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---

**From:** Chiu, Edward  
**Sent:** Tuesday, November 30, 2021 1:55 PM  
**To:** Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 'Deanna De Forest' <Deanna.DeForest@rjburnside.com>  
**Cc:** 'Ray Bacquie' <Ray.Bacquie@rjburnside.com>; Lee, Jessica <Jessica.Lee@york.ca>; Alemi- Baygy, Tanin <Tanin.Alemi-Baygy@york.ca>  
**Subject:** FW: 052314 - Stakeholders - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

Please add [REDACTED] as the contact for YR Cycling Coalition, thanks.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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---

**From:** [REDACTED]  
**Sent:** Tuesday, November 30, 2021 10:36 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** RE: 052314 - Stakeholders - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

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Please add me to the project mailing list.

  
York Region Cycling Coalition

---

**From:** Sylvia Waters <[Sylvia.Waters@rjburnside.com](mailto:Sylvia.Waters@rjburnside.com)>

**Sent:** Thursday, November 25, 2021 1:34 PM

**Cc:** Deanna De Forest <[Deanna.DeForest@rjburnside.com](mailto:Deanna.DeForest@rjburnside.com)>

**Subject:** 052314 - Stakeholders - Notice of Study Commencement, MCEA Sch C, Warden Avenue and Kennedy Road

On behalf of the Regional Municipality of York, please see the attached Notice of Commencement. The Regional Municipality of York is initiating Schedule C Municipal Class Environmental Assessment studies for Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road in the City of Markham. These studies will build upon the recommendations from the approved 2016 York Region Transportation Master Plan.

Public consultation is an important part of the EA studies.

To provide comment or request additional information, please contact:

**York Region Transportation Services**

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street

Newmarket, ON L3Y 6Z1

Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Tuesday, December 07, 2021 10:02 AM  
**To:** Jennifer Vandermeer; Deanna De Forest; Alemi- Baygy, Tanin  
**Cc:** Ray Bacquie; Lee, Jessica  
**Subject:** FW: Warden and Kennedy EAs - please add me to the mailing list

Please see communication with [REDACTED] below and add him to the contact list.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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**From:** Chiu, Edward  
**Sent:** Tuesday, December 7, 2021 9:56 AM  
**To:** [REDACTED]  
**Subject:** RE: Warden and Kennedy EAs - please add me to the mailing list

Good morning [REDACTED]

Thank you for your interest and comments on the Warden and Kennedy EAs.

Multi-use paths will be considered along both Warden Avenue and Kennedy Road. In terms of the type of material for the multi-use path, we will consult with the City of Markham as the use of concrete is Markham's standards for multi-use path.

At the meantime, we will add you to the mailing list.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** [REDACTED]  
**Sent:** Thursday, December 2, 2021 8:34 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Warden and Kennedy EAs - please add me to the mailing list

Edward,

Please add me to the mailing list for the Warden and Kennedy EAs.

I would like to see the multi-use path on Warden extended north from Major Mackenzie through the study area. I also hope a similar path will be constructed on Kennedy.

An asphalt surface is much preferred from the user experience compared to the existing concrete surface. The crevices between the concrete are very jarring, especially on Warden with its hills - you really feel each crevice on the bike as you gain speed when going downhill. The asphalt surface Lake-to-Lake trail on Leslie Street in Richmond Hill is much better to ride for a cyclist perspective.

Regards,

[REDACTED]



## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Tuesday, December 07, 2021 10:36 AM  
**To:** Jennifer Vandermeer; Deanna De Forest; Alemi- Baygy, Tanin  
**Cc:** Lee, Jessica  
**Subject:** FW: Warden Kennedy study

For your file.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75908 | edward.chiu@york.ca | [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A\\_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwItydKQVg\\_1dU&m=0gVtLe3CGquARkVtwhmcl34x4BS03q-g\\_ZGCpBEhfcM&s=7M4PK0kGhvTcxc7-ma5sPUe8froW0Fa5eM9epYwHqgs&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwItydKQVg_1dU&m=0gVtLe3CGquARkVtwhmcl34x4BS03q-g_ZGCpBEhfcM&s=7M4PK0kGhvTcxc7-ma5sPUe8froW0Fa5eM9epYwHqgs&e=)

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-----Original Message-----

From: Chiu, Edward  
Sent: Tuesday, December 7, 2021 10:12 AM  
To: [REDACTED]  
Subject: RE: Warden Kennedy study

Good morning [REDACTED]

Thank you for your interest on the Warden and Kennedy EA studies.

We will add you to the mailing list and notify you of all future meetings and when the studies are completed.

At the meantime, if you have any questions or comments please feel free to contact me.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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1-877-464-9675 ext. 75908 | edward.chiu@york.ca | [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A\\_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwItydKQVg\\_1dU&m=0gVtLe3CGquARkVtwhmcl34x4BS03q-g\\_ZGCpBEhfcM&s=7M4PK0kGhvTcxc7-ma5sPUe8froW0Fa5eM9epYwHqgs&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwItydKQVg_1dU&m=0gVtLe3CGquARkVtwhmcl34x4BS03q-g_ZGCpBEhfcM&s=7M4PK0kGhvTcxc7-ma5sPUe8froW0Fa5eM9epYwHqgs&e=)

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-----Original Message-----

From: [REDACTED] >  
Sent: Monday, December 6, 2021 7:01 PM  
To: Chiu, Edward <[https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_Edward.Chiu-40york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-](https://urldefense.proofpoint.com/v2/url?u=http-3A__Edward.Chiu-40york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-)

v5A\_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg\_1dU&m=0gVtLe3CGquARkVtwhmcl34x4BS03q-g\_ZGCpBEhfcM&s=xqvivqifdTUi2751shnlU6j2OAaulGBTmGnLrAMdBWM&e=>

Subject: Warden Kennedy study

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Please add me to mailing list

Sent from my iPhone

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Friday, February 18, 2022 4:01 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Notice of Open House for Warden Avenue and Kennedy Road Environmental Assessment Studies, City of Markham

For your file.

Please add [REDACTED] (email below) on the distribution list and ensure he receives a copy of the notice on the upcoming online Open House.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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---

**From:** Transportation <transportation@york.ca>  
**Sent:** Friday, February 18, 2022 3:39 PM  
**To:** Don Hamilton <dhamilton@markham.ca>  
**Cc:** Bigioni, Lina <Lina.Bigioni@york.ca>; Casey, Patrick <Patrick.Casey@york.ca>  
**Subject:** RE: Notice of Open House for Warden Avenue and Kennedy Road Environmental Assessment Studies, City of Markham

Good afternoon, Deputy Mayor Hamilton.

Thank you for sharing a citizen's concern regarding the information for the Environment Assessment Studies for Warden Avenue and Kennedy Road from Major Mackenzie Drive East to Elgin Mills Road East, in the City of Markham. We apologize for any inconvenience you may have experienced.

From now until the end of the study period (November 25, 2022), citizens and stakeholders may join the mailing list to receive updates and information regarding upcoming input opportunities. We would like to thank you for sharing this feedback with us and we are happy to inform you that mail link now works.

The online Open House link/webpage will not go live until February 24; citizens and stakeholders will then have the opportunity to review information and to comment on the studies until March 24, 2022. Taking into account your comments, we have updated the language on our website for clarity.

Should you have any further questions, please feel free to contact us.

Sincerely,

**Ahmed B.** | Customer Relations Coordinator  
Strategic Initiatives and Programs, Transportation Services

---

The Regional Municipality of York | 50 High Tech Road | Richmond Hill, ON L4B 4N7  
**O:** 1-877-464-9675 ext. 72848 | [transportation@york.ca](mailto:transportation@york.ca) | [www.york.ca](http://www.york.ca)

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**From:** Don Hamilton <[dhamilton@markham.ca](mailto:dhamilton@markham.ca)>  
**Sent:** Thursday, February 17, 2022 7:44:20 PM  
**To:** Casey, Patrick <[Patrick.Casey@york.ca](mailto:Patrick.Casey@york.ca)>; Bigioni, Lina <[Lina.Bigioni@york.ca](mailto:Lina.Bigioni@york.ca)>  
**Cc:** Don Hamilton <[dhamilton@markham.ca](mailto:dhamilton@markham.ca)>  
**Subject:** Fwd: Re: Notice of Open House for Warden Avenue and Kennedy Road Environmental Assessment Studies, City of Markham

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Don Hamilton  
Deputy Mayor and Regional Councillor  
101 Town Centre Boulevard  
Fourth Floor  
Markham | Ontario | L3R 9W3  
[dhamilton@markham.ca](mailto:dhamilton@markham.ca)  
905-415-7549

----- Forwarded message -----

**From:** [REDACTED]  
**Date:** Feb. 17, 2022 5:21 p.m.  
**Subject:** Re: Notice of Open House for Warden Avenue and Kennedy Road Environmental Assessment Studies, City of Markham  
**To:** [REDACTED], "Deputy Mayor, Don Hamilton – Markham" <[DHamilton@markham.ca](mailto:DHamilton@markham.ca)>  
**Cc:**

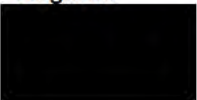
Also the link to join the study mailing list on the [web page](#) does not work.

We want to know how you would improve Warden Avenue and Kennedy Road 1 Elgin Mills Road in the City of Markham.

*Open Nov 25, 2021 to Nov 25, 2022*

[Join the study mailing list](#)

Regards





On Thursday, February 17, 2022, 05:17:26 p.m. EST, [REDACTED] > wrote:

Thanks [REDACTED] there doesn't seem to be any particular presentation date or meeting, just a range, and fyi the web page has different dates than below in the email, the web page says.....

## How to participate

*Open Nov 25, 2021 to Nov 25, 2022*

Regards  
[REDACTED]

On Thursday, February 17, 2022, 12:45:21 p.m. EST, Deputy Mayor, Don Hamilton – Markham <[dhamilton@markham.ca](mailto:dhamilton@markham.ca)> wrote:

FYI

Don Hamilton  
Deputy Mayor and Regional Councillor  
101 Town Centre Boulevard  
Fourth Floor  
Markham | Ontario | L3R9W3  
[dhamilton@markham.ca](mailto:dhamilton@markham.ca)  
905-415-7549

Working To Build A Better Markham

----- Forwarded message -----

**From:** Emmerson, Wayne <[Wayne.Emmerson@york.ca](mailto:Wayne.Emmerson@york.ca)>

**Date:** February 17, 2022 at 12:25:59 PM EST

**Subject:** Notice of Open House for Warden Avenue and Kennedy Road Environmental Assessment Studies, City of Markham

**To:** Mayor Scarpitti <[MayorScarpitti@markham.ca](mailto:MayorScarpitti@markham.ca)>, Deputy Mayor, Don Hamilton – Markham <[DHamilton@markham.ca](mailto:DHamilton@markham.ca)>, Regional Councillor, Jack Heath - Markham <[jheath@markham.ca](mailto:jheath@markham.ca)>, Regional Councillor, Joe Li - Markham <[JLi3@markham.ca](mailto:JLi3@markham.ca)>, Regional Councillor, Jim Jones - Markham <[jjones@markham.ca](mailto:jjones@markham.ca)>

**Cc:** Bigioni, Lina <[Lina.Bigioni@york.ca](mailto:Lina.Bigioni@york.ca)>, Alibhai, Salim <[Salim.Alibhai@york.ca](mailto:Salim.Alibhai@york.ca)>, Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>, Carroll, Ann-Marie <[Ann-Marie.Carroll@york.ca](mailto:Ann-Marie.Carroll@york.ca)>, Casey, Patrick <[Patrick.Casey@york.ca](mailto:Patrick.Casey@york.ca)>

**CAUTION:** This email originated from a source outside the City of Markham. DO NOT CLICK on any links or attachments, or reply unless you recognize the sender and know the content is safe.

Good afternoon,

Attached is the **notice of online open house for the Warden Avenue and Kennedy Road Environmental Assessment Studies.**

The purpose of this notice is to advise local area residents, stakeholders and business owners of the opportunity to take part in the **first online open house** to learn about the study, process, findings to-date and next steps; online materials will be available for viewing and comment **beginning February 24, 2022 until March 24, 2022.**

This notice will be posted on york.ca (as of February 24), promoted on social media and will appear in the Markham Economist and Sun on Thursday, February 24, 2022 and Thursday, March 3, 2022.

If you have questions about this study, please contact:

- Director of Capital Planning and Delivery, Salim Alibhai, at 1-877-464-9675 ext. 75229 or [Salim.Alibhai@york.ca](mailto:Salim.Alibhai@york.ca)
- Senior Project Manager, Edward Chiu, at 1-877-464-9675 ext. 75908 or [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

For general inquiries, please contact Transportation Services at 1-877-464-9675 ext. 75000 or via email at [transportation@york.ca](mailto:transportation@york.ca)

Sincerely,

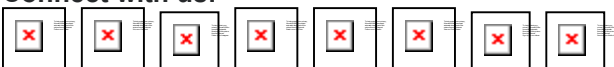
Wayne Emmerson

York Region Chairman and CEO



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## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Wednesday, March 23, 2022 1:35 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: York Region - Notice of Online Open House - Warden Ave and Kennedy Rd

Hello Jennifer/Deanna,

For your file.

Tanin,

Please save this into eDoc.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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**From:** Transportation <[transportation@york.ca](mailto:transportation@york.ca)>  
**Sent:** Wednesday, March 23, 2022 12:28 PM  
**To:** 'FionLau@markham.ca' <[FionLau@markham.ca](mailto:FionLau@markham.ca)>  
**Cc:** 'ACollucci@markham.ca' <[ACollucci@markham.ca](mailto:ACollucci@markham.ca)>  
**Subject:** RE: York Region - Notice of Online Open House - Warden Ave and Kennedy Rd

Good afternoon Councillor Collucci,

This email is a follow-up to a citizen's comments on the Warden Avenue and Kennedy Road Environmental Assessment Study.

Please note, this concern is beyond the limit of these studies; however, York Region staff will include the comment as part of the public comment in the final document.

Staff will forward the citizen's concern to our Traffic and Safety Group to review and determine how best to improve the overall operations of the described intersection.

Should you have any further questions or concerns, please do not hesitate to contact us.

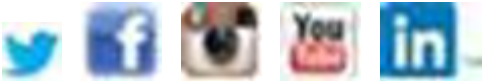
Sincerely,

**Nasim S.** | Customer Relations Coordinator  
Strategic Initiatives and Programs, Transportation Services

---

The Regional Municipality of York | 50 High Tech Road | Richmond Hill, ON L4B 4N7  
**O:** 1-877-464-9675 | [transportation@york.ca](mailto:transportation@york.ca) | [www.york.ca](http://www.york.ca)

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---

**From:** Transportation <[transportation@york.ca](mailto:transportation@york.ca)>  
**Sent:** Monday, February 28, 2022 11:56 AM  
**To:** [REDACTED]  
**Cc:** 'FionLau@markham.ca' <[FionLau@markham.ca](mailto:FionLau@markham.ca)>; 'ACollucci@markham.ca' <[ACollucci@markham.ca](mailto:ACollucci@markham.ca)>; 'Terran.Burke3@Ontario.ca' <[Terran.Burke3@Ontario.ca](mailto:Terran.Burke3@Ontario.ca)>  
**Subject:** RE: York Region - Notice of Online Open House - Warden Ave and Kennedy Rd

Good morning [REDACTED]

Thank you for your email regarding left-turn signals at Major Mackenzie Drive and Markham Road, in the City of Markham.

Please note, any left-turn signal requests at the described intersection falls under the jurisdiction of the Ministry of Transportation of Ontario (MTO). As such, by copy of this email, Ministry staff are requested to review and respond as required.

Should you have any further questions or concerns, please do not hesitate to contact us.

Sincerely,

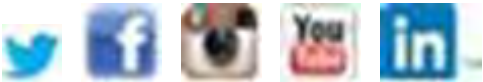
**Nasim S.** | Customer Relations Coordinator  
Strategic Initiatives and Programs, Transportation Services

---

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**O:** 1-877-464-9675 | [transportation@york.ca](mailto:transportation@york.ca) | [www.york.ca](http://www.york.ca)

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---

**From:** Lau, Fion <[FionLau@markham.ca](mailto:FionLau@markham.ca)>  
**Sent:** Thursday, February 24, 2022 5:13 PM

**Cc:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>; Councillor, Amanda Collucci - Markham <[ACollucci@markham.ca](mailto:ACollucci@markham.ca)>  
**Subject:** FW: York Region - Notice of Online Open House - Warden Ave and Kennedy Rd

Good afternoon [REDACTED]

Thank you for your email. I will forward your comments to Edward Chiu at York Region as well as adding you into their distribution list for any updates on this project.

**Edward** – Although the concern the resident brought up is outside the projected area, but can you please add it into your list and/or pass it to the appropriate team for future consideration. Thank you.

Thanks,

**Fion Lau**

Executive Assistant to Councillor Amanda Yeung Collucci, Ward 6  
City of Markham  
101 Town Centre Blvd., Markham, Ontario L3R 9W3  
Tel: 905-305-5990  
Email: [fionlau@markham.ca](mailto:fionlau@markham.ca)

---

**From:** [REDACTED]  
**Sent:** Thursday, February 24, 2022 5:07 PM  
**To:** Councillor, Amanda Collucci - Markham <[ACollucci@markham.ca](mailto:ACollucci@markham.ca)>  
**Subject:** Re: York Region - Notice of Online Open House - Warden Ave and Kennedy Rd

Hi Amanda

I just wanted to add to this. The intersection of major Mackenzie and markham rd is quite busy at times. Making left turns can be dangerous. I was thinking maybe have more left turn signals in markhams busy intersection rather than flashing green sign. Flow of traffic will be wonderful.  
Something to consider for new intersections that are busy and I have notice roundabouts in stouffville which is great.

Just an opinion I wanted to share to you.

Thanks for being their for us. Really appreciate it.

Sent from my iPhone

On Feb 24, 2022, at 5:01 PM, Amanda Yeung Collucci <[acollucci@markham.ca](mailto:acollucci@markham.ca)> wrote:



## **NOTICE OF ONLINE OPEN HOUSE**

Environmental Assessment Study

**Warden Avenue and Kennedy Road**

**Major Mackenzie Drive to Elgin Mills Road**

**City of Markham**

The Regional Municipality of York is conducting Schedule 'C' Municipal Class Environmental Assessment (Class EA) Studies in the City of Markham for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road.

## **WE WANT TO HEAR FROM YOU**

You are invited to take part in an online open house to learn about the study process, road improvement design options and to provide feedback.

**When:** View materials from **February 24, 2022 to March 24, 2022**

**Where:** Visit [york.ca/WardenKennedyStudy](http://york.ca/WardenKennedyStudy) to access the online open house materials

**Comments:** Share your comments through the online open house or email the Project Manager by March 24, 2022.

Please let us know if you require accommodations to participate in the online open house. Accessible versions of this notice and online open house materials are available upon request.

York Region's number one priority is protecting the health and safety of our communities and staff. As we monitor the ongoing COVID-19 pandemic, we are committed to effective engagement and consultation with the public and stakeholders in accordance with the Environmental Assessment process.

**To submit a question, comment or request to be added to the project mailing list, please contact:**

### **YORK REGION TRANSPORTATION SERVICES**

Edward Chiu, P.Eng., Senior Project Manager

17250 Yonge Street, Newmarket, Ontario, L3Y 6Z1

Phone: 1-877-464-9675 ext. 75908

TTY: 1-866-512-6228

Email: [Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)

To better assist you, please quote **Warden and Kennedy EAs** in your inquiry.

This study will be carried out according to requirements of the Ontario Environmental Assessment Act. Personal information submitted (e.g. name,



address and phone number) is collected, maintained and disclosed under the authority of the Ontario Environmental Assessment Act and the Municipal Freedom of Information and Protection of Privacy Act for transparency and consultation purposes. Personal information you submit will become part of the public record that is available to the general public, unless you request that your personal information remain confidential.



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***Amanda Yeung Collucci***

Ward 6 Councillor

***City of Markham***

Anthony Roman Centre

101 Town Centre Boulevard, Markham, ON L3R 9W3 Canada

T: 905.479.7746

M: 647.981.8136

F: 905.479.7763

acollucci@markham.ca

www.markham.ca

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Amanda Yeung Collucci - 3 Cottingham St - Markham, Ontario L6C 2V3 - Canada



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## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Friday, February 25, 2022 10:10 AM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden/Kennedy assessment

-----Original Message-----

From: Chiu, Edward  
Sent: Friday, February 25, 2022 9:42 AM  
To: [REDACTED]

Subject: RE: Warden/Kennedy assessment

Good morn [REDACTED]

Thank you for your interest on our Warden and Kennedy EA Studies.

We will add you to our contact list and notify you of any upcoming events

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

-----  
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1-877-464-9675 ext. 75908 | edward.chiu@york.ca | [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A\\_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg\\_1dU&m=rPqvgtL9rk8p9v9\\_\\_e0pkhc\\_qT4S0Rb1FNQKyt9dyqE&s=fk2z4P-bEL000-qIs5lw-oPiuC8Ioxfq-xaxApWHmw4&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg_1dU&m=rPqvgtL9rk8p9v9__e0pkhc_qT4S0Rb1FNQKyt9dyqE&s=fk2z4P-bEL000-qIs5lw-oPiuC8Ioxfq-xaxApWHmw4&e=)

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-----Original Message-----

From: [REDACTED]  
[REDACTED]  
Sent: Thursday, February 24, 2022 9:13 PM  
To: Chiu, Edward <[https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_Edward.Chiu-40york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A\\_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg\\_1dU&m=rPqvgtL9rk8p9v9\\_\\_e0pkhc\\_qT4S0Rb1FNQKyt9dyqE&s=DIFESHI375p8RuHDY99wnXZmHLOyCyTmf4SKW\\_LwVOU&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__Edward.Chiu-40york.ca&d=DwIFAw&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg_1dU&m=rPqvgtL9rk8p9v9__e0pkhc_qT4S0Rb1FNQKyt9dyqE&s=DIFESHI375p8RuHDY99wnXZmHLOyCyTmf4SKW_LwVOU&e=)>  
Subject: Warden/Kennedy assessment

Please add my email so that I receive notices regarding this project. Thank you

[REDACTED]

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Monday, February 28, 2022 10:21 AM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden and Kennedy project

---

**From:** Chiu, Edward  
**Sent:** Monday, February 28, 2022 10:20 AM  
**To:** [REDACTED]  
**Subject:** RE: Warden and Kennedy project

Good morning [REDACTED]

Thank you for your interest on the Warden and Kennedy EA Studies.

We will include you in our contact list and provide you all future notices.

Have a good day.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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---

**From:** [REDACTED]  
**Sent:** Saturday, February 26, 2022 10:05 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Warden and Kennedy project

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Hi,

Would you please add me to the update list?

Thanks,  
[REDACTED]

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Monday, March 21, 2022 2:52 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden and Kennedy EAs - add to mailing list

For your file.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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**From:** Chiu, Edward  
**Sent:** Monday, March 21, 2022 11:05 AM  
**To:** [REDACTED]  
**Subject:** RE: Warden and Kennedy EAs - add to mailing list

Good morning [REDACTED]

The March 24 due date is for the Open House and it is more so we can use this date to prepare an Open House Summary Report with comments received up to March 24.

We will continue to review comments until the completion of the studies, please feel free to forward me any additional comments you or any residents have on these studies.

There will be a second Open House later this year to present the Recommended Plan for Warden Ave. and Kennedy Rd. A separate notice will be provided to all residents in our mailing list when the second Open House is available for public review and comments.

I trust this answer your questions. Please feel free to contact me if you have any additional questions or comments.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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**From:** [REDACTED]  
**Sent:** Saturday, March 19, 2022 1:33 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Re: Warden and Kennedy EAs - add to mailing list



Hi Edward,


Sorry to bug you with a few more question - I understand the study is open for feedback right now until March 24. Can the public still share feedback or comments after March 24? Will there be another public information meeting down the road for residents to share their input?

Thanks!



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---

**From:**   
**Sent:** March 18, 2022 11:38:12 AM  
**To:** Chiu, Edward  
**Subject:** RE: Warden and Kennedy EAs - add to mailing list


Thanks Edward- have a great day!

With Kind Regards,



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---

**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Sent:** Friday, March 18, 2022 11:29 AM  
**To:**   
**Subject:** RE: Warden and Kennedy EAs - add to mailing list

Hello 

No problem at all of registering you as an individual, have a good day.


**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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**From:**   
**Sent:** Friday, March 18, 2022 11:22 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** RE: Warden and Kennedy EAs - add to mailing list

Hi Edward,

Thanks for getting back to me. Can I register as an individual, if possible?


Thank you!


With Kind Regards,



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---

**From:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Sent:** Friday, March 18, 2022 11:06 AM  
**To:**   
**Subject:** RE: Warden and Kennedy EAs - add to mailing list

Good morning 

Thank you for your interest on the Warden and Kennedy EA studies.

Can you confirm if you are requesting to be added into the mailing list as an individual or as the Executive Assistant to Councillor Ho?


The reason I am asking is we typically provide public notifications to local Councillors through the City's Clerk office and they in turn notify all the Councillors. If for some reasons Councillor Ho did not receive notifications on these studies I want to ensure he will be notified in the future either through the Clerk office or a direct email from us.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

-----  
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**From:**   
**Sent:** Wednesday, March 16, 2022 5:06 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Warden and Kennedy EAs - add to mailing list

Hello Edward,

Can you kindly include me on the mailing list for this project?

Many thanks!

With Kind Regards,

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## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Tuesday, March 22, 2022 9:59 AM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden and Kennedy EAs - Updated contact

Hello Jennifer/Deanna,

Please see revised contact to [REDACTED] and ensure he will also be circulated via email.

As for future notification at [REDACTED] our contact list and only use Current Occupant.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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---

**From:** [REDACTED]  
**Sent:** Tuesday, March 22, 2022 8:46 AM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Re: Warden and Kennedy EAs

Morning Edwards

Thanks so much for your prompt reply, my Mailing address for that [REDACTED] is:

[REDACTED]

Please send me the future notice to above my mailing address. Again, thanks very much, have a nice day!

On Monday, March 21, 2022, 02:44:08 p.m. EDT, Chiu, Edward <[edward.chiu@york.ca](mailto:edward.chiu@york.ca)> wrote:

Good afternoon [REDACTED]

Sorry to have used the wrong address on the notification, would you please let me know what is the correct mailing address so we can ensure future notifications will be provided to the right address?

We will also send you future notices by email as well using your email address below.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** [REDACTED]  
**Sent:** Monday, March 21, 2022 2:34 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Warden and Kennedy EAs

Hi Dear Edward

I received a letter for the Warden and Kennedy EAs with my physical address of 62 Elmrill Rd, Markham Ontario, which is not the mailing address. May I please ask you to update to my new mailing address? or if you are not the person, can you please let me know where/who I shall contact with regarding this matter?

thanks a lot

[REDACTED]

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Monday, April 11, 2022 12:12 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Alemi- Baygy, Tanin  
**Subject:** FW: Warden and Kennedy EA

Please add [REDACTED] to our contact list, thanks.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

---

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---

**From:** Chiu, Edward  
**Sent:** Monday, April 11, 2022 12:10 PM  
**To:** [REDACTED]  
**Subject:** RE: Warden and Kennedy EA

Hello [REDACTED]

Thank you for your interest in the Warden and Kennedy EA studies, we will add you to our contact list and provide you all future notifications for this studies.

Also, thank you for letting us know the link to the website is not working. I have forwarded this issue to our IT group to have this resolved.

**Edward Chiu, P.Eng.** (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Services

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**From:** [REDACTED] >  
**Sent:** Saturday, April 9, 2022 4:21 PM  
**To:** Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
**Subject:** Warden and Kennedy EA

Please add me to this project's mailing list.

Thank you.

[REDACTED]

## Sylvia Waters

---

**From:** Chiu, Edward <Edward.Chiu@york.ca>  
**Sent:** Friday, June 03, 2022 5:22 PM  
**To:** Jennifer Vandermeer; Deanna De Forest  
**Cc:** Ray Bacquie; Lee, Jessica; Li, Vince  
**Subject:** FW: Warden & Kennedy studies

Hello Jennifer/Deanna,

For your file, please add [REDACTED] into our contact list.

Hi Vince,

Please save this into eDoc.

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Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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-----Original Message-----

From: Chiu, Edward  
Sent: Friday, June 3, 2022 5:21 PM  
To: [REDACTED]  
Subject: RE: Warden & Kennedy studies

Hello [REDACTED]

Thank you for your interest in our Warden and Kennedy Class EA Studies, we will add your contact into our contact list and provide you future notifications related to these studies.

As part of these studies, we will be transforming both Warden Avenue and Kennedy Road to an urban roadway with boulevards, and multi-use paths will be included on the boulevards on both sides of the roads.

At the meantime, I will discuss with our Active Transportation group to review the opportunities to provide "Share the Road" signs until we can transform the corridors with multi-use paths.

Please note there are a number of development initiatives that will be starting this year including the installation of watermain and sanitary sewer by the developers on Warden Avenue. If you are planning to bike along Warden Avenue please be careful as there will constructions along Warden Avenue and there may be construction debris on the road and shoulder.

If you have any additional comments or questions please feel free to contact me.

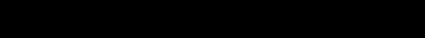
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-----Original Message-----

From:   
Sent: Thursday, June 2, 2022 1:39 PM  
To: Chiu, Edward <[https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_Edward.Chiu-40york.ca&d=DwlGaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A\\_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg\\_1dU&m=XHI9kPo6cMBbHMOwoKRhfCLOGspkYQmaXQVD4gafLSw&s=rfoF8NKynXTaEJAX4I2y\\_YOgjHcE7hnqTfX1nclXds8&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__Edward.Chiu-40york.ca&d=DwlGaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=hRB3JEtDEQTM2qyaVQgEteAj2zjbIPwltydKQVg_1dU&m=XHI9kPo6cMBbHMOwoKRhfCLOGspkYQmaXQVD4gafLSw&s=rfoF8NKynXTaEJAX4I2y_YOgjHcE7hnqTfX1nclXds8&e=)>  
Subject: Warden & Kennedy studies

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If you think you may have clicked on a phishing link, report it to the IT Service Desk, ext. 71111, and notify your supervisor immediately.

Hello Edward - could you please add my name to the email list for the Warden and Kennedy Rd studies?

One comment I have - there are a lot of cyclists who use these roads which is great, if it's possible to add a paved shoulder or a divider line where cyclists can ride outside of the car traffic lanes I think that would help with cycling safety. More 'Share the Road' signs probably would help too. Thanks!





## Sylvia Waters

---

**From:** Lee, Jessica <Jessica.Lee@york.ca>  
**Sent:** Thursday, November 10, 2022 4:07 PM  
**To:** Deanna De Forest  
**Cc:** Jennifer Vandermeer; Ray Bacquie; Chiu, Edward; Nurani, Kadin  
**Subject:** FW: Request to be added to Warden and Kennedy EA mailing list

Hi Deanna,

Please add the contact below to the EA contact list.

Thanks,  
Jessica

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

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1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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---

**From:** Vader, Teresa <Teresa.Vader@york.ca>  
**Sent:** Thursday, November 10, 2022 3:58 PM  
**To:** Lee, Jessica <Jessica.Lee@york.ca>  
**Cc:** Chiu, Edward <Edward.Chiu@york.ca>  
**Subject:** Request to be added to Warden and Kennedy EA mailing list

Hello,

Can you please add the following contact to the EA mailing list:

[REDACTED]

Thank you,

*Our working hours may be different. Please do not feel obligated to reply outside of your scheduled working hours. Let's work together to help foster healthy work-life boundaries.*

**Teresa Vader** (she/her) | Communications and Community Engagement Specialist, Strategic Initiatives and Programs, Public Works

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(289) 716-3053 | [Teresa.Vader@york.ca](mailto:Teresa.Vader@york.ca) | [york.ca](http://york.ca)

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## Sylvia Waters

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**From:** Lee, Jessica <Jessica.Lee@york.ca>  
**Sent:** Monday, November 28, 2022 9:23 AM  
**To:** Jennifer Vandermeer  
**Cc:** Deanna De Forest; Ray Bacquie; Chiu, Edward; Nurani, Kadin  
**Subject:** FW: Request to be added to Warden Kennedy EA mailing list

Hi Jennifer/Deanna,

Please add the following contact to the EA contact list. Thanks

*Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.*

**Jessica Lee, P.Eng** | Planning and Design Coordinator, Capital Planning and Delivery, Transportation Operations, Public Works

---

The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1  
1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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**From:** Vader, Teresa <Teresa.Vader@york.ca>  
**Sent:** Monday, November 28, 2022 9:14 AM  
**To:** Chiu, Edward <Edward.Chiu@york.ca>  
**Cc:** Lee, Jessica <Jessica.Lee@york.ca>  
**Subject:** Request to be added to Warden Kennedy EA mailing list

Good morning,

Please add the following contact to the Warden Kennedy EA mailing list:

[REDACTED]

Thank you,

*Our working hours may be different. Please do not feel obligated to reply outside of your scheduled working hours. Let's work together to help foster healthy work-life boundaries.*

**Teresa Vader** (she/her) | Communications and Community Engagement Specialist, Strategic Initiatives and Programs, Public Works

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Amanda Olmstead

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From: Chiu, Edward <Edward.Chiu@york.ca>  
Sent: Thursday, June 01, 2023 10:15 AM  
To: Jennifer Vandermeer; Deanna De Forest  
Cc: Ray Bacquie; Lee, Jessica; Lalla, Dimitri  
Subject: FW: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels  
Attachments: IMG\_0463.jpg  
For your file/info.

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Edward Chiu, P.Eng. (he/him), Sr. Project Manager  
Capital Delivery - Transportation, Capital Infrastructure Services, Public Works

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From: Chiu, Edward  
Sent: Thursday, June 1, 2023 10:14 AM  
To: 'Chris Lant' <chrisl@deltaurban.com>  
Cc: Lee, Jessica <Jessica.Lee@york.ca>; Mustafa Ghassan <mustafag@deltaurban.com>; Myron Pestaluky <myronp@deltaurban.com>; Lalla, Dimitri <Dimitri.Lalla@york.ca>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Good morning Chris,

Our surveyor placed stakes in the Region's road allowance to indicate the existing property, the proposed property, and the easement locations for the properties.

On the south side of the stakes, you will see the label EX. P/L with an offset to identify the existing property, and similarly on the north side, you will find the labels PR.P/L (proposed property line) and EAS. (proposed easement) with offsets on the stakes. All measurements were in meters to the nearest centimeter.

Once you have an opportunity to review them and if you have any questions or wish to discuss this in greater details, please let me know and we can set up a meeting (either in person or virtual) to discuss this with you.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager  
Capital Delivery - Transportation, Capital Infrastructure Services, Public Works

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From: Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Sent: Monday, May 29, 2023 10:42 AM  
To: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>; Myron Pestaluky <[myronp@deltaurban.com](mailto:myronp@deltaurban.com)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>; Jahura, Aleksandar <[Aleksandar.Jahura@york.ca](mailto:Aleksandar.Jahura@york.ca)>  
Subject: Re: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

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Alek,

Please do not place stakes within the fenced areas as the property is an active horse farm. I suggest labeled flagging tape on the fence will suffice for our purposes.

Feel free to call me on my cell if you have any issues.

Regards,

Chris Lant, BSc., MES, Manager  
8800 Dufferin Street, Suite 104 | Vaughan, ON | L4K 0C5 | Tel: 905-660-7667 Ext. 241 | Cell: 416-984-2433 | Fax: 905660-7076  
E-mail: [chrisl@deltaurban.com](mailto:chrisl@deltaurban.com) | Visit us at: [www.deltaurban.com](http://www.deltaurban.com)

On May 26, 2023, at 12:51 PM, Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)> wrote:

Good afternoon Chris,

Our Surveyor (Alek Janhura) is planning to come out Tuesday May 30 around 9:30am to install stakes on both properties to indicate the existing property line (EX P/L), proposed property line (PR P/L) and easement (EAS).

If there are any concern please advise us.

Alek is also copied on this email in case you need to reach out to him directly.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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From: Chiu, Edward  
Sent: Thursday, May 25, 2023 11:04 AM



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To: 'Chris Lant' <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>; Myron Pestaluky <[myronp@deltaurban.com](mailto:myronp@deltaurban.com)>; Lalla, Dimitri <[Dimitri.Lalla@york.ca](mailto:Dimitri.Lalla@york.ca)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Good morning Chris,

I have arranged our surveyor to come out next week to install stakes in the ground to illustrate the existing property, proposed property, and easement within the 2 properties.

Once he confirms the date I will advise you.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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From: Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Sent: Tuesday, May 23, 2023 10:47 AM  
To: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>; Myron Pestaluky <[myronp@deltaurban.com](mailto:myronp@deltaurban.com)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

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Thanks, Edward.

We'd like to see some staking completed that demonstrate the proposed easement, limit of grading, and proposed and existing property limits on the west side of Warden to review with our client. Understanding that sewer works along this alignment should be completed later this summer, a site meeting once staking can be completed following the sewer installation would be appreciated.

I'd also like to know if the proposed bio swale will have any affect on our client's driveway at 10206 Warden Ave.

Feel free to call on my cell if a conversation is more appropriate.

Regards,,

Chris Lant, BSc., MES, Manager

<image001.png>

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From: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Sent: Tuesday, May 23, 2023 10:09 AM  
To: Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>; Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Good morning Chris/Mustafa,

I am following up with you on the recommended plan on Warden Avenue by your client's property.

We are in the process of completing the Class Environmental Assessment Study and expected to be issued for public comments by June/July.

Please let us know if you wish to receive more information or meet to discuss this further and in greater details.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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From: Chiu, Edward  
Sent: Thursday, April 13, 2023 12:55 PM  
To: Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; 'Mustafa Ghassan' <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Good afternoon Chris,

Further to the email back in January with Mustafa we now have a more detailed preliminary Recommended Plan on Warden Avenue in front of your client's properties (attached) for your review and comments.

Please note the intersection shown within your client's properties are based on the approved Collector Road EA, but it may not be constructed as part of our road improvements. The construction of the intersections will be dependent on the when development will occur adjacent to Warden Avenue.

This design is still in the preliminary design and will be further fine-tuned once we retain a Detailed Design Consultant firm that is anticipated to commence in August/September. We are planning to complete the Environmental Assessment (EA) Study by June/July this year, if you have any comments or wish to discuss with us in greater details during the EA phase, please let me know and we can certainly meet and discuss with your comments.

We will continue to coordinate with you and your client even after the completion of the EA Study during the Detailed Design phase to incorporate/adjust the design to accommodate your client's need where we can.

If you have any questions or require additional information, please feel free to reach out to me.

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Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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From: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
Sent: Monday, January 23, 2023 5:36 PM  
To: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

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Hi Edward,

Chris from my office will coordinate this matter with yourself and our Client.

We would probably want to see a survey outlining the limit of the proposed working easement and existing site condition (fence line, driveway, etc).

Thank you.

Mustafa Ghassan Delta  
Urban Inc.

---

From: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Sent: Thursday, January 19, 2023 11:43 AM  
To: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

Hello Mustafa,

No problem please feel free to take the appropriate time to complete your review.

If you require additional information to assist you please feel free to contact me.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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From: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
Sent: Wednesday, January 18, 2023 4:20 PM  
To: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>; Chris Lant <[chrisl@deltaurban.com](mailto:chrisl@deltaurban.com)>  
Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagemas parcels

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Hi Edward,  
Confirming receipt of the email and information.

We will need sometime to review and discuss with the Client. We will get back to you with any questions following our discussion.

Thank you  
Mustafa

---

From: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>  
Sent: Wednesday, January 18, 2023 11:24 AM  
To: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>  
Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>



Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagama parcels

Good morning Mustafa,

I am reaching out to you in case you are not aware of the preliminary recommendation that was posted online for Warden Avenue that identified the possible property and easement requirements at your client's property.

I have attached a partial segment of the recommended plan by your client's property for your information. The purple dash line represents the proposed property lien and the blue shorter dash lien represents the potential easement required to accommodate grading and raising of Warden Avenue.

Our consultant is currently completing the preliminary profile and this can be shared with you once they have completed this work.

At the meantime, if you or your client wish to obtain more information, have questions, or to meet to discuss this in greater details, please let me know.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery, Transportation Operations, Public Works

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1 | 1-877-464-9675 ext. 75908 | [edward.chiu@york.ca](mailto:edward.chiu@york.ca) | [york.ca](http://york.ca)

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From: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>

Sent: Thursday, September 8, 2022 5:23 PM

To: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>

Subject: Re: Warden Avenue EA - Discussion on the Schickedanz and Wagama parcels

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Thank you, Edward. It would be helpful to see a plan for reference and ideally overlaid on an aerial image.

Mustafa Ghassan Delta  
Urban Inc.

O: 905-660-7667 Ext. 232

C: 647-833-3047 (Preferred)

Sent from iPhone

On Sep 8, 2022, at 10:37 AM, Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)> wrote:

Good morning Mustafa,

I reviewed the current property limit on your client's property and noted the property line is about 18 to 19m from the centreline of Warden Avenue.

In order to provide the road widening and the boulevard space for low impact development (LID) features, tree planting, lighting, utilities, as well as active transportation facilities such as sidewalk and cycle track, a width of 20.5m from the centreline to the back of the boulevard will be required. This will result in approximately 1.5m to 2.5m of additional property required at your client's property.

In addition, to provide proper drainage system along Warden Ave. we anticipate the road will also need to be raised up to approximately 1m which will result in the need for additional grading or installation of retaining wall beyond the 1.5/2.5m of property required as indicated above.

We are currently still finalizing the preliminary design of Warden Ave. and can share this information with you once they are ready.

At the meantime, if you and your client wish to meet to discuss this in greater details, we would be happy to meet with you.

Please note the widening of Warden Ave. is currently scheduled for 2027, the schedule will be reviewed annually and may be adjusted depending on priority and funding across the Region.

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Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery,  
Transportation Operations, Public Works

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From: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>

Sent: Tuesday, September 6, 2022 2:30 PM

To: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>

Subject: RE: Warden Avenue EA - Discussion on the Schickedanz and Wagama parcels

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Thank you for your patience, Edward, and my apologies for the seemingly delayed response. I didn't see the email until now when cleaning my spam mail.

All that I wanted to understand is whether land taking is expected from our client's land. As you know, our client is a farmer and the family has no interest in developing the property in the near future.

Should you have any questions, please don't hesitate to contact us.

Thank you & Regards,

Mustafa Ghassan, BES, M.Eng

<[image001.png](#)>

8800 Dufferin Street, Suite 104 | Vaughan, ON | L4K 0C5 | Tel: 905-660-7667 Ext. 232 | Cell: 647-833-3047 | Fax: 905-660-7076

E-mail: [mustafag@deltaurban.com](mailto:mustafag@deltaurban.com) | Visit us at: <https://deltaurban.com/>

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From: Chiu, Edward <[Edward.Chiu@york.ca](mailto:Edward.Chiu@york.ca)>

Sent: Monday, August 8, 2022 4:50 PM

To: Mustafa Ghassan <[mustafag@deltaurban.com](mailto:mustafag@deltaurban.com)>

Cc: Lee, Jessica <[Jessica.Lee@york.ca](mailto:Jessica.Lee@york.ca)>

Subject: Warden Avenue EA - Discussion on the Schickedanz and Wagemma parcels

Good afternoon Mustafa,

Bob Webb from Webb + Co Ltd. reached out to me and advised me that you wish to discuss the Warden Ave. EA between Major Mackenzie Dr. and Elgin Mills Rd. and in particular, associated with the Schickedanz and Wagemma parcels.

We would be happy to meet with you and provide greater details on our EA, would you kindly confirm what you wish to discuss so I can bring in other staff from York Region as well as our consultant so we can ensure the appropriate people will be available to provide you information?

Also, please provide some dates/times that we can meet with you.

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Edward Chiu, P.Eng. (he/him), Sr. Project Manager, Capital Planning & Delivery,  
Transportation Operations, Public Works

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Crystal Ferguson

From: Lee, Jessica <Jessica.Lee@york.ca>  
Sent: Thursday, July 06, 2023 11:52 AM  
To: Jennifer Vandermeer; Deanna De Forest  
Cc: Ray Bacquie; Chiu, Edward; Lalla, Dimitri  
Subject: FW: Contact to add to Warden and Kennedy EA mailing list

Hi Jennifer and Deanna,

Please add the following contact to Warden and Kennedy EAs mailing list.

Thanks,

Our working hours may be different. Please don't feel obliged to respond outside of your scheduled working hours.

Jessica Lee, P.Eng | Planning and Design Coordinator  
Capital Delivery - Transportation, Capital Infrastructure Services, Public Works

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1 | 1-877-464-9675 ext. 75924 | [jessica.lee@york.ca](mailto:jessica.lee@york.ca) | [york.ca](http://york.ca)

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From: Vader, Teresa <Teresa.Vader@york.ca>  
Sent: Thursday, July 6, 2023 11:47 AM  
To: Chiu, Edward <Edward.Chiu@york.ca>; Lee, Jessica <Jessica.Lee@york.ca>  
Subject: Contact to add to Warden and Kennedy EA mailing list

Good morning,

Please add the following contact to the mailing list for the Warden and Kennedy EAs:

██████████  
████████████████████

Thank you,

Our working hours may be different. Please do not feel obligated to reply outside of your scheduled working hours. Let's work together to help foster healthy work-life boundaries.

Teresa Vader (she/her) | Communications and Community Engagement Specialist,  
Sustainability, Communication and Innovation, Public Works

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The Regional Municipality of York | 17250 Yonge Street | Newmarket, ON L3Y 6Z1 C: (289) 716-3053 | [Teresa.Vader@york.ca](mailto:Teresa.Vader@york.ca) | [york.ca](http://york.ca)

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