City of Markham - Storm Sewers/Ditch/Culvert Alterations

(to be read in conjunction with MECP Form SW1 and Approval 021-S701)

Part 1 - Environmental Compliance Approval Number: 021-S701

Part 2 - General Project Information

Project Type (Check that applies)	Subdivision	☐
	Site Plan / MSA	☐
	Construction / Development	☐
	City's Capital Projects	
	Engineering	☐
	Environmental Services	☐
	Operations	☐
	Other Projects (Operations, Asset Management, Parks, etc.)	☐
Project's Name		
Project's Address		
Applicant's Name		
Amanda / Project Number		
Consulting Firm's Name		
Consulting Engineer's Name		
City's Staff Name		

2.1 Description of Storm Sewers (up to 3000 mm) / Ditch (non-concrete) / Culvert Alterations *(Use attachments if required)*

2.2 Regulatory Requirements

1) Is the proposed work(s) exempted from the Environmental Bill of Rights (EBR) requirements?

YES ☐	NO ☐	N/A ☐

If 'YES', provide a rationale for exemption (e.g., provide the applicable regulation details):

- ☐ This proposal is for an emergency situation.
- ☐ This proposal is for an amendment to or revocation of an existing ECA that is not environmentally significant.
- ☐ This proposal has been subject to or exempted from EAA requirements or considered in a decision of a tribunal.
- ☐ This proposal has been considered in a substantially equivalent process of public participation, and the public consultation was carried out under the Planning Act requirements.

2) Is the proposed work(s) subject to the requirements of the Environmental Assessment Act (EAA)?

YES ☐	NO ☐	N/A ☐

If 'YES', choose the applicable Municipal Class EA Schedule:

Schedule A	Schedule A+	Schedule B	Schedule C	Not Required
EXEMPTED	**EXEMPTED**	☐	☐	☐

If 'NO', provide a rationale for the exemption:

Has the proposed undertaking fulfilled the requirements of the EAA through an exemption provided under:

Section ☐ of Ontario Regulation No. ☐

or

Declaration/Exemption Order No. ☐

If Regulation, Declaration Order, or Exemption Order does not refer directly to this undertaking, provide supporting documentation to explain why it applies to this facility.

3) Does the project impact Indigenous treaty rights or asserted rights according to Schedule D, Section 3.13 of the CLI ECA?

YES ☐	NO ☐	N/A ☐

If 'YES', has consultation with Indigenous communities been completed?

YES ☐	NO ☐	N/A ☐

If 'NO', please provide the rationale why:

4) Has a Notice of Completion been submitted along with this application?

YES ☐	NO ☐	N/A ☐

5) Were any Part II Orders (i.e., 'Bump-up' requests) received for this project?

YES ☐	NO ☐	N/A ☐

If 'YES', please provide details:

6) Has an Environmental Study Report (ESR) been completed?

YES ☐	NO ☐	N/A ☐

If 'YES', please include the ESR Cover page with this submission.

7) Does the Drainage Act apply for this work?

YES ☐	NO ☐	N/A ☐

If YES, please provide a copy of the Approval.

8) Does the proposed work require a Permit from the Conservation Authority?

YES ☐	NO ☐	N/A ☐

If 'YES', include a copy of the Permit.

The CLI-ECA cannot be processed until a copy of the Permit is received.

9) Are the proposed works a prescribed drinking water threat under the Clean Water Act (i.e., the establishment, operation, or maintenance of a system that collects, stores, transmits, treats, or disposes of sewage)?

YES (Stormwater Management Facility) ☐	NO (Storm Sewers) ☐	N/A ☐

If 'YES', use the SW2 form for CLI-ECA.

If 'NO', the proposed works cannot be a significant drinking water threat under the Clean Water Act.

2.3 Technical Submissions

1) Engineering Reports

Name of the Report	Prepared by (Consulting firm)	Date (mm/dd/yyyy)	Stamped (mm/dd/yyyy)

2) Engineering Drawings
(*General Plans, Plans & Profiles, Storm Drainage Plans, and Design Sheets (5 and 100 years and HGL calculations)*

Name and number of Engineering Drawings	Prepared by (Consulting firm)	Date (mm/dd/yyyy)	Stamped (mm/dd/yyyy)

3.0 Design Certification By Licensed Engineering Practitioner

1) I certify that the design complies with the requirements set in the Corporation of the City of Markham's Environmental Compliance Approval (ECA) for the Markham Municipal Stormwater Management System, ECA Number 021-S701, including but not limited to Schedule D, S. 6.0, as amended from time to time.

2) I certify that the design of the storm sewer/ditch/culvert satisfies the criteria set out in the Ministry's publication titled "Design Criteria for Sanitary Sewers, Storm Sewers and Forcemains" dated May 2023, as amended from time to time.

3) I certify that the design is consistent with the current City's Design Criteria and Standard Drawings, as amended from time to time.

1 Any Schedule C submission will require a separate type of checklist, since they do not feed into SW1 forms and do not necessarily meet the CLI ECA requirement. The City may have many similar documentation requirements as these preauthorized works, but we will have to track and report on those separately.

4) I also certify that any deviations due to site conditions or constraints, as identified in (1) to (3) above, have been discussed, reviewed, and accepted by the City. I further certify that approval for any works that do not meet the minimum requirements in the CLI ECA will be requested through the Ministry (i.e., Schedule C Notice[1]).

5) I certify that no gravity storm sewers, entering or exiting the SWM facility, exceed 3000 mm in diameter.

6) I certify that the addition of Storm Sewers or ditches can be constructed but not operated until the Stormwater Management Facilities required to service the new Storm Sewers or ditches are in operation.

7) I hereby further verify the following:

a) Alteration of the stormwater system's storm sewers/ditches/culverts, and/or appurtenances will not result in:

- Adverse effects; or
- A deterioration on the approved quantity of downstream stormwater management facilities which results in not being able to achieve the overall stormwater performance criteria per attached Appendix A (extracted from original MECP ECA # 021-S701).

b) The storm sewer, ditch or culvert alteration will not adversely affect the municipal stormwater management (SWM) system's ability to maintain a gravity flow without overflowing or increasing surcharging any maintenance holes as per design, or provide smooth flow transition to existing gravity storm sewers.

c) The alteration does not establish or alter any outlets that discharge to land not owned by the Applicant without the expressed written consent of the owner(s) of such private land(s) that the works will discharge to.

d) An assessment of the proposed works has been completed to determine if the works pose a Significant Drinking Water Threat. The proposed works (Storm Sewers/Ditches/Culverts) are not prescribed threats under the Clean Water Act and cannot be significant threats under any circumstance (i.e., drainage area size or land use type)[1].

e) The proposed works are wholly located within the municipal boundary over which the City of Markham has jurisdiction, except where there is an agreement existed between municipalities.

[1] Per MECP's Threats and Circumstances Table (Chemical Threat tab, 2017_2018_chemical_and_pathogen_tables_of_threats_12_v2.xlsx - https://www.ontario.ca/page/tables-drinking-water-threats)

f) The City of Markham consents to the storm sewer/ditch/culvert alteration.

g) The Applicant (or their representative) has consulted with the local Conservation Authority and obtained necessary clearance, as required.

h) Any works that establish new or increase discharges to a municipal drain have obtained written approval by the Applicant and a signed engineer's drainage report, in accordance with the *Drainage Act*; and

i) I am an authorized representative of the Applicant / Developer to complete this verification.

Name of Licensed Engineering Practitioner (First and Last name)	Company Name & Address
Signature	Date (mm/dd/yyyy)

Name of Licensed Engineering Practitioner (Sub-consultant, if applicable) (First and Last name)	Company Name & Address
Signature	Date (mm/dd/yyyy)

4.0 Statement of Applicant / Developer

I hereby declare that, to the best of my knowledge, the information contained herein, and the information submitted in support of this application is complete and accurate for the purpose of obtaining the Storm Sewer (SW1) Approval for Future Alteration Authorized for Storm Sewers/Ditches/Culverts under **021-S701**.

Name (First and Last name)	Title
Signature	Date (mm/dd/yyyy)

5.0 Documents to be Submitted by the Consulting Engineering

1) This Attachment A, duly signed and dated by the Consulting Engineer and the Applicant.

2) Proof of legal name (*Articles of Incorporation or other applicable documents if the Applicant is a Corporation; or birth certificate or passport if the Applicant is a person).*

3) If applicable, Permit / Approval from the local Conservation Authority and/or MNRF.

4) If applicable, a Proof of Consent letter from the landowner is to be provided if the works are to be constructed on lands not owned by the Applicant.

6.0 Review by the City of Markham Department

The above information (including all Technical Reports and Engineering Drawings) has been reviewed and/or peer-reviewed by the appropriate City's Department and meets the City's requirements. Acceptance of this project is in reliance on the professional skill and judgement of the Licensed Engineering Practitioner certified in Section 3.0.

Name of the City's Reviewing Department	
Development Engineering	☐
Environmental Engineering	☐
Capital Engineering	☐
Environmental Services	☐
Operations	☐
Others	☐
Name of Review Staff (First and Last name)	Title
Signature	Date (mm/dd/yyyy)