City of Markham - SWM Facilities

(to be read in conjunction with MECP Form SW2 and Approval 021-701)

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 SWM Facilities (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 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) Have Performance Criteria under CLI ECA Appendix A Table A1 been set in an Assessment Study (e.g., watershed/sub-watershed plan, Source Protection Plan (Assessment Report component), Master Stormwater Management Plan, or Master Environmental Servicing Plan)?

YES ☐	NO ☐	N/A ☐

If 'YES', please provide details (study name and control criteria[1]):

9) Are the SWM facilities part of a Retrofit Scenario?

YES ☐	NO ☐	N/A ☐

If 'YES', please provide details (study name and control criteria[2]):

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

YES ☐	NO ☐	N/A ☐

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

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

11) Are there any other consultation/notification activities that have been undertaken to fulfil requirements by other legislation (e.g., MNRF, DFO, etc.) or through voluntary efforts?

YES ☐	NO ☐	N/A ☐

If 'YES', provide documents describing each of these consultation/notification activities.

12) 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 / Stormwater Management Facility subcategory)?

YES ☐	NO ☐	N/A ☐

13) Are the proposed works located in an IPZ-1, IPZ-2, IPZ-3, or WHPA-E with a vulnerability score of 8 or higher defined in the Toronto and Region assessment report under the Clean Water Act[3]?

YES ☐	NO ☐	N/A ☐

If 'NO', proposed works cannot be a significant threat.

1. Include criteria for Water Balance, Water quality, Erosion Control, Water Quantity, Peak Flow/Flood Control
2. Include criteria for Water Balance, Water quality, Erosion Control, Water Quantity, Peak Flow/Flood Control, and indicate if new development criteria are met or whether Maximum Extent Possible criteria are applied.
3. Note – as of March 2025, the City of Markham does not have any IPZ-1, IPZ-2, IPZ-3, or WHPA-E area with a vulnerability score of 8 or higher.

If 'YES', review the drainage area size and predominant land use type for the applicable vulnerable area type and score to determine if the activity is a significant drinking water threat[4]. Are the works a significant threat?

YES ☐	NO ☐	N/A ☐

Please provide MECP circumstances details (drainage area size, predominant land use, vulnerable area type, and score) and MECP-defined Chemical Risk (Low, Moderate):

If 'YES', please provide details of the MECP Source Protection Standard Operating Policies[5] to mitigate significant risks:

2.3 Technical Submissions

1) Engineering Reports

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

2) Engineering Drawings
(SWM facilities-related drawings)

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

[4]. Thresholds for significant threats are per MECP's Threats and Circumstances Table (2017_2018_chemical_ and_Pathogen_tables_of_threats_12_v2.xlsx - https://www.ontario.ca/page/tables-drinking-water-threats)

[5]. Design Criteria for Sanitary Sewers, Storm Sewers and Forcemains for Alterations Authorized under an Environmental Compliance Approval Ministry of Environment, Conservation and Parks v.2.0, May 31, 2023, Appendix II

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 stormwater management facility has been designed in compliance with the Ministry's manual titled "Stormwater Management Planning and Design Manual, 2003", as amended from time to time and using the industry practices, procedures, and guidelines, including relevant municipal, TRCA, MNRF, and provincial documents listed in the Markham Stormwater Management Guidelines (2016), as amended from time to time.

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

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

6) I also certify that any deviations due to site conditions or constraints, as identified in (1) to (5) 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]).

7) I hereby further verify the following:

   a) Any alteration by adding, modifying, replacing, or extending stormwater management facilities 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).

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 CLI ECA requirements. The City may have many similar documentation requirements as these preauthorized works, but we will have to track and report on those separately.

b) 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;

c) If privately owned stormwater works have been used in the stormwater treatment train to achieve Appendix A criteria of the ECA (021-S701), the Applicant agrees to include the required Warning Clauses in all Agreements of Purchase and Sale for such lots, where privately owned stormwater works have been provided, in the Subdivision Agreement with the City.

d) An assessment of the proposed works has been completed to determine if the works pose a Significant Drinking Water Threat. The proposed works (Stormwater Management Facility) are not significant threats to sources of drinking water or the design includes features that mitigate risk, such as included in the Ministry's Standard Operating Policy for Sewage Works, as amended; and Source Protection Plan policies pertaining to the works;

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;

f) The City of Markham consents to the stormwater management facility alteration;

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

h) Any works that fall under the Drainage Act have obtained approval of a petition for the works under the *Drainage Act*;

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

j) The proposed new SWM facility provides the required quantity and quality controls;

k) The proposed SWM facility fulfills all the requirements of the sub-watershed or watershed studies; and

l) 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 Stormwater Management (SW2) approval for Record of Future Alteration Authorized for Stormwater Management Facilities under **021-S701**.

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

5.0 Documents to be Submitted by the Consulting Engineer

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)