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**DÉPARTEMENT DE L'INFRASTRUCTURE ET
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STORMWATER MANAGEMENT CLI ECA APPLICATION TO MUNICIPALITY

Pre-Construction

Checklist indicating completeness of application, shall be sent with Pre-Construction and Post-Construction packages

Design Brief/ Report

Detailed Design Drawings / Issued for Construction Drawings (stamped and signed by P.Eng Licensed in Ontario)

Stormwater Management Plan, including but not limited to;

- Description of project area
- SWM quantity & quality criteria; explanation of how they were established (Municipality, CA, Ontario Water Quality Objectives or Procedure B-1-5)
- Description of existing drainage patterns at the site and run-off outlet location(s), including the ultimate receiver(s)
- Stormwater run-off analysis (design storms, hydrologic parameters for pre-development and post-development conditions, modeling results, pre-development and post-development peak flows and volumes)
- Description of how to the established quantity and quality controls criteria will be met
- Design details for each component of SWM system(s), including the capacity
- Hydraulic Design Sheets/ Calculations
- Water Quality Design Features and Oil and Grit Separator Design Sheets
- Hydraulic performance of the system verifying storm sewer capture rates and major and minor system capacities
- Low impact development features and ground water table
- Proposed Monitoring Plan (once discharge begins the City will conduct additional sampling and testing)
- Proposed Operations and Maintenance procedures

Preliminary Engineering Report (As included in the Design Brief)

Environmental Impact Analysis

Site Plan

Detailed Description of Proposed Works

Inspection and testing plans, emergency response plan (2 weeks prior to inspection and testing), notification of testing (5 days prior) per Design Criteria 8.1.3 and 8.1.4

Erosion Sediment Control (ESC) plan, and temporary ESC measures installed in advance of and maintained during any construction activity on the Authorized System. Certification by a Licensed Engineer is required for all ESC per ECA 3.10

Completed Form SW1 (Storm Sewers/ Ditches/ Culverts) (if applicable)

- Part 2 Description of storm sewer/ ditch/ culvert alteration
- Part 3 Verification by Licensed Engineering Practitioner

Completed Form SW2 (Stormwater management Facilities) (if applicable)

- Part 2 Description of stormwater management facility alteration
- Part 3 Verification by Licensed Engineering Practitioner

Form SW3 (Third Pipe Collection Systems) (if applicable)

- Part 2 Description of third pipe collection system alteration
- Part 3 Verification by Licensed Engineering Practitioner

Source Water Protection forms (location dependant), mitigation measures (if applicable)

Application Fee of \$XXXX,XX included (the application fee is based on a standard application, the fees are subject to change without notice)

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Record Drawings stamped by a P.Eng Licensed in Ontario

All inspection and testing records per Design Criteria 8.1.5, including but not limited to;

- Maintenance reports adhering to ESC plan and measures during construction activity
- Daily engineering inspection records completed during infrastructure installation per ECA 3.11
- CCTV Inspection Records and videos
- Mandrel and Deflection Testing (if required based on the CCTV Video reports) per Design Criteria 8.1.5
- Leakage Testing Reports per Design Criteria 8.3

Operations & Maintenance Manual

Sampling and Monitoring Plan

Any Additional Requirements as Requested by the City from Pre-Construction Application