



APPLICATION FOR STORMWATER SYSTEM ALTERATION (CLI-ECA)

Application Requirements

This application and checklist must be completed for all applications submitted under the Consolidated Linear Infrastructure Environmental Compliance Approval for The Town of Essex Stormwater System (CLI-ECA No. 029-S701). Application packages will not be accepted unless:

- ALL Checklist items have been completed; and
- ALL required supporting documentation is submitted to the Town.

Information

Applicant Information	
Applicant (Legal) Name	
Owner (Legal) Address	
Applicant Phone No.	
Applicant Email	
Consultant Information	
Consultant Name	
Consultant Address	
Consultant Phone	
Consultant Email	
Licensed Engineer	
PEO License Number	
Project Details	
Brief Project Description	



Pre-Construction Checklist

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

- Stormwater Management Plan**, including but not limited to:
 - Design Brief
 - Description of project area
 - SWM quantity & quality criteria; explanation of how they were established (Town Standards, ERCA, 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 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 Town will conduct additional sampling and testing)
 - Proposed Operations and Maintenance procedures
 - Design considerations to protect drinking water

- Detailed Design Drawings/ "For Construction" Drawings** (stamped & signed by P.Eng licensed in Ontario)

- 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

- Completed Form SW3 (Third Pipe Collection Systems)** (if applicable)
 - Part 2 Description of third pipe collection system alteration
 - Part 3 Verification by Licensed Engineering Practitioner

- Application Fee** included (as per Miscellaneous Fees and Charges Schedule A By-Law 2040)

Post-Construction

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

- 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 Schedule D, 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;
 - Hydrostatic Pressure testing results for forced mains per Design Criteria 8.5
 - Leakage Testing Reports per Design Criteria 8.3

- Operations & Maintenance Manual** per ECA Schedule E, 3.0

- Sampling and Monitoring Plan**

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



CORPORATION OF THE TOWN OF ESSEX

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Once complete, please submit application package to capitalworks@essex.ca.

For any questions, please contact:

Infrastructure Services

Town of Essex

33 Talbot Street South, Essex, ON, N8M 1A8

Phone: 519-776-7336

Email: infrastructure@essex.ca