

CLI-ECA Stormwater Applicant Post Construction Verification Checklist

This checklist will help to verify that Part 5 of the stormwater management systems alteration (addition, modification, replacement or extension) conforms to all the conditions of the City’s MECP Consolidated Linear Infrastructure (CLI) ECA review and approval process. This checklist and applicable supporting documentation shall be provided at substantial completion / start of maintenance and final acceptance.

Inspection Type (Select one):

Capital Projects **Select**
 Substantial Performance
 Final Completion

Development Projects **Select**
 Start of Maintenance
 Assumption

Note: If you check “Not applicable” in any section, supporting references or comments are required.

CLI-ECA Application #	
Project Name	
Contract#	
Project address	
Applicant	
City of Waterloo Planning / Engineering contact information	

Supporting Documents

All new storm sewers, associated appurtenances and facilities shall be inspected to confirm construction as per the approved CLI-ECA application, including alignment and to ensure is free from obstructions, debris, and defects.

Confirmation on the following items:	Included	Reasoning/Justification
Conforms to the MECP’s Design Criteria/Design Guidelines and the City of Waterloo standards/ guidelines – whichever is more stringent (specify)		
As-recorded drawings signed, stamped and dated by a Licensed Engineer Practitioner		

Inspection and testing records per MECP Design Criteria 8, including but not limited to:

Submission of the following items:	Included	Reasoning/Justification
ESC inspection records completed during infrastructure installation per ECA Schedule D, 3.10 and 3.11		
CCTV, Zoom, Sonar, and/or Laser inspection videos and reports, as applicable, per MECP Design Criteria 8.2.3 to 8.2.7 (including deficiency list)		
Deflection Testing reports, as applicable, per MECP Design Criteria 8.1.5		

Documents and Records

Submission of the following items:	Included	Reasoning/Justification
Correction of deficiencies report and associated CCTV records and videos		
CCTV assumption report completed by City's Engineer		
Water Quality Monitoring Report including water quality sampling and monitoring records per ECA Schedule D and MECP Testing and Monitoring Guidelines		
Capital Projects: <ul style="list-style-type: none"> • City's Certificate of Substantial Performance • City's Notice of Holdback Release 		
Development Projects: <ul style="list-style-type: none"> • City's Start of Maintenance letter • City's Final Assumption letter 		
Inspection forms as applicable: SWM Pond (form SAA-F12), OGS (form SAA-F11), LID (form SAA-10)		
Any Additional Requirements as Requested by the City from Pre- Construction Application		

Stormwater Management Facilities: Low Impact Development (LID) Testing¹

Submission of the following items:	Included	Reasoning/Justification
Soil characterization testing		
Sediment accumulation testing		
Surface infiltration rate testing		
Natural or simulated storm event testing		
Continuous monitoring		
Final design specifications relating to the soil component or product specifications from the media supplier		

Stormwater Management Facilities: Stormwater Management (SWM) Pond:

Submission of the following items:	Included	Reasoning/Justification
Cleaned out certification: At least one (1) pond clean out (i.e., dredging and disposal of excess sediment)		
At least one (1) bathymetric survey		
As-recorded drawings must include topographic survey information. Refer to the City's CELM ² for additional drawings specifications and requirements		
SWM Facility Operations & Maintenance Manuals, per CLI-ECA Schedule E		

¹ Sustainable Technologies Evaluation Program: LID Stormwater Management Practice Inspection and Maintenance Guide - Section 8.

² City of Waterloo Comprehensive Engineering and Landscape Manual.

APPLICANT ACKNOWLEDGEMENT AND AUTHORIZATION

Name: _____ PEO License #: _____

Title: _____ Company: _____

Email: _____ Date: _____

Signature: _____