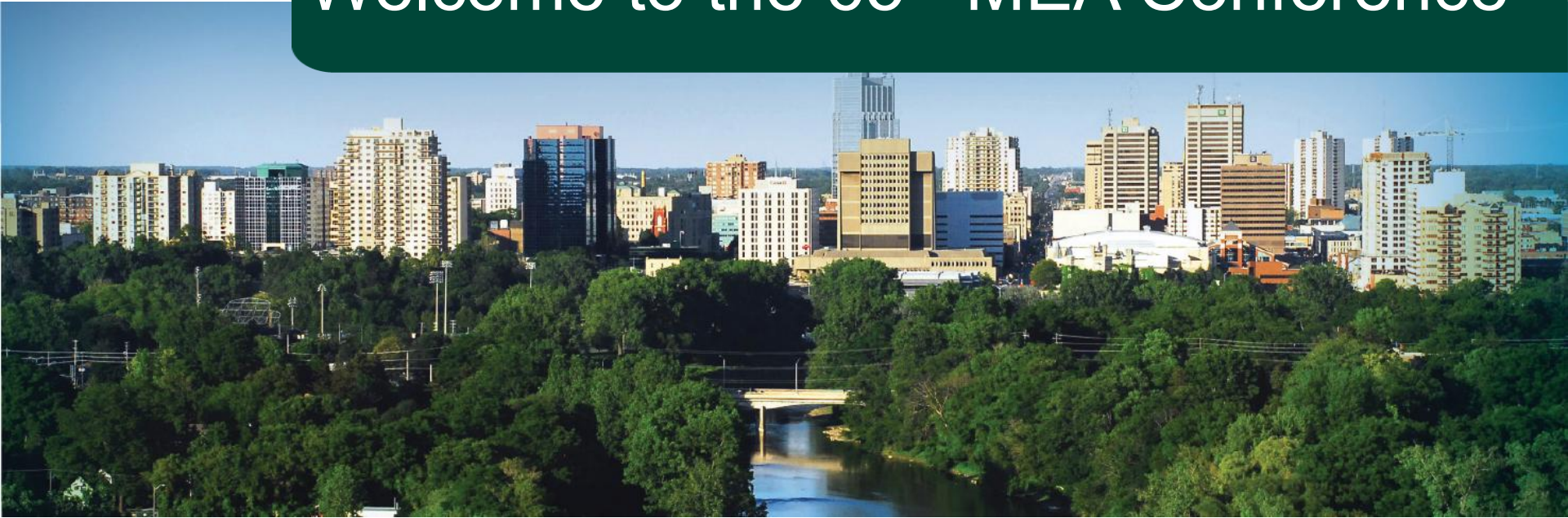




Welcome to the 65th MEA Conference



Chris Phippen, P.Eng. – Regional Engineer, CCPPA

November 14, 2025



Getting to know your “new” CLI ECA



ENVIRONMENTAL COMPLIANCE APPROVAL For a Municipal Sewage Collection System

ECA Number: 0X0-W601
Issue Number: 1

Pursuant to the *Environmental Protection Act*, R.S.O. 1990, c. E. 19 (EPA), and the regulations made thereunder and subject to the limitations thereof, this environmental compliance approval is issued under section 20.3 of Part II.1 of the EPA to:

\$(OWNERNAME)

\$(OWNERUNITID)
\$(OWNERSTNO)\$\$(OWNERSUFFIX) \$(OWNERSTREET) \$(OWNERSTTYPE)
\$(OWNERSTDIR) \$(OWNERPBOX)
\$(OWNERMUNICIPALITY), \$(OWNERPROV) \$(OWNERPCODE)

For the following Sewage Works:

\$(SYSTEMNAME)

This Environmental Compliance Approval (ECA) includes the following:

Schedule	Description
Schedule A	System Information
Schedule B	Municipal Sewage Collection System Description
Schedule C	List of Notices of Amendment to this ECA: Additional Approved Works
Schedule D	General
Schedule E	Operating Conditions
Schedule F	Residue Management

All prior ECAs, or portions thereof, issued by the Director for Sewage Works described in section 1 of Schedule B are revoked and replaced by this Approval.

DATED at TORONTO this \$(DAY1 day) of \$(MONTH), \$(YEAR)

Signature

- Consolidated Linear Infrastructure Environmental Compliance Approval
- First CLI ECA's issued in spring of 2022 by the MECP
- Follow-up to the revamp of the Drinking Water approval process that came after Walkerton in 2000.

Getting to know your “new” CLI ECA

- Different route than the Drinking Water Works Permit (DWWP)
- Stayed within the existing Ontario Water Resources Act Section 53, and defined approval system
- Used the opportunity to also update the Design Guidelines
- Infiltration and Exfiltration major influencers of new Design Guidelines



Getting to know your “new” CLI ECA

GUIDE LINES AND CRITERIA

- New process set up like a contract
- Your CLI ECA is your contract with the MECP
- This contract includes a bunch of other documents by “reference” - key amongst them is the new Design Criteria
- Several iterations of the Design Criteria – most current May 2023

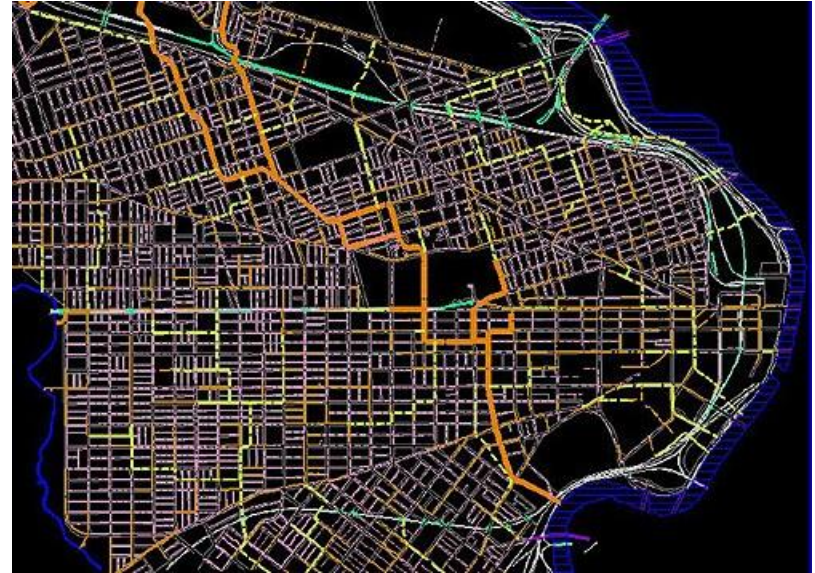
CLI ECA – Basic Layout

- Seem to all come from a common template
- Schedule A – the parties to the agreement
- Schedule B – System Description
- Schedule C – Additional Approved Works
- Schedule D – General
- Schedule E – Operating Conditions
- Schedule F – Residue Management



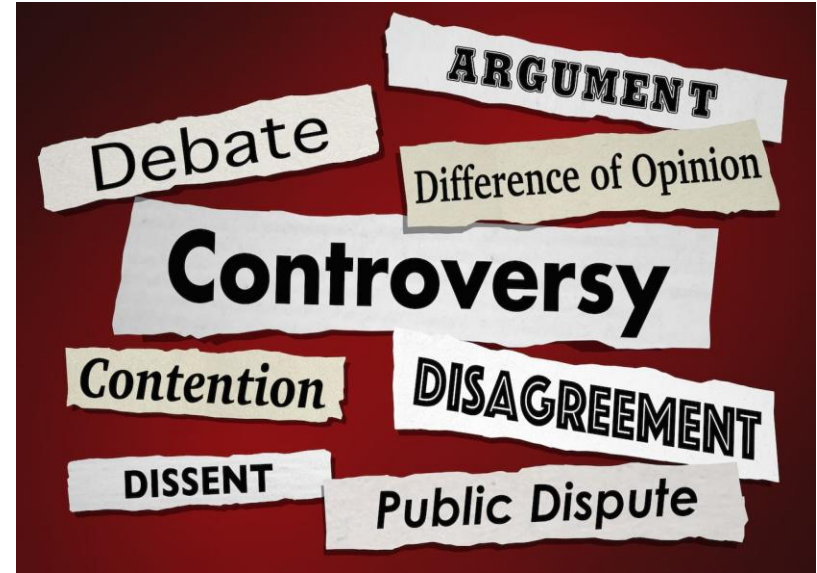
CLI ECA – Basic Layout

- Schedule B is an exhaustive list of all existing sewer infrastructure now considered included in this “consolidated” approval
- Generally, is a descriptive list but can include mapping and external references to digital mapping



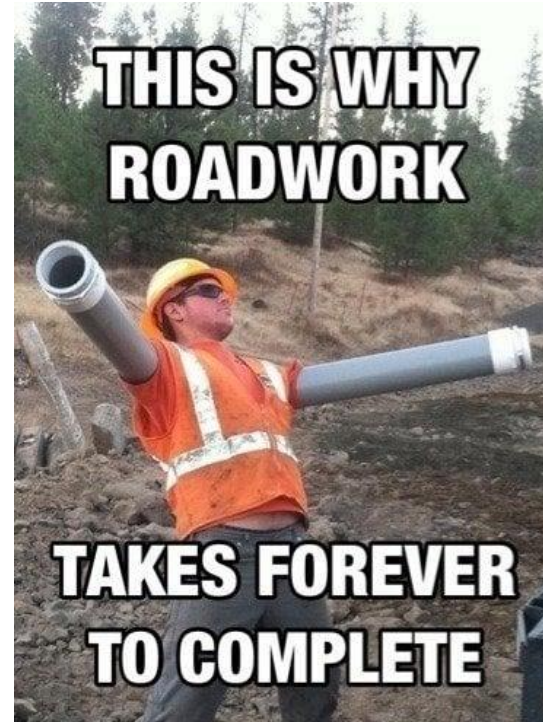
CLI ECA – Basic Layout

- Schedule C - is the short list of those alterations to Schedule B that have been directly submitted to the Director MECP and have been authorized
- In most current documents it is blank as these are first issue, and anything / everything currently in the ground should be included in schedule B
- Schedule C alterations are the complex or controversial ones that the MECP still wants submitted directly to them for Approval



CLI ECA – Basic Layout

- Schedule D – has significant impact on how you manage your system going forward
- Schedule D - lays out how alterations to the Sewer system detailed in Schedule B can be made and approved by the Municipality or operating authority (without prior permission from the MECP)
- Sewer System includes all infrastructure used to collect and transmit sewage i.e includes structures, pipes, and pumping stations but not treatment facilities



- Schedule D – makes reference to the Design Criteria several times
- The Design Criteria again becomes part of the contract by reference
- Section 3 is very prescriptive about what records / documentation must be kept



Items of interest – Schedule D



APPROVED

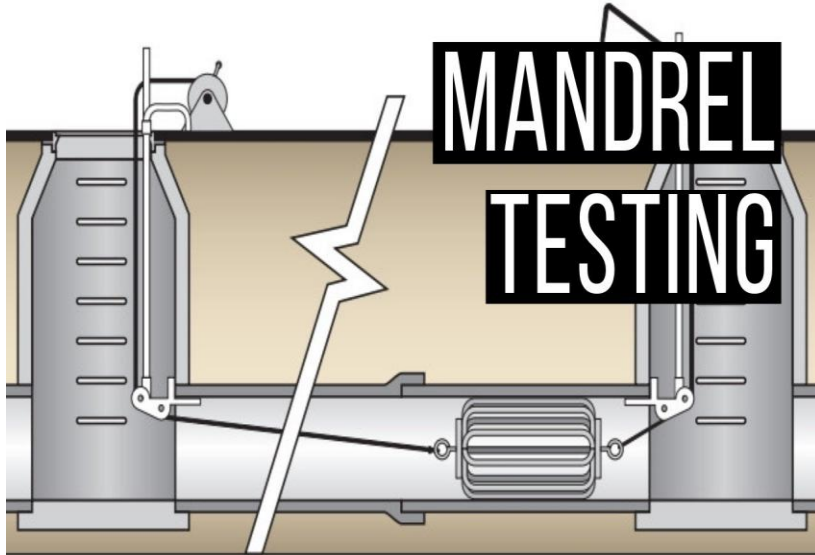
- Section 4 spells out when the holder of the CLI ECA can “self approve”
- Requires compliance with both Design Criteria and OPSS/OPSD
- Owner must certify in writing that Design Criteria have been complied with

Items of interest – Design Criteria



- Section 8 is all about inspections & testing
- 8.1 Applies to all pipes, MH, connections and chambers
 - Water tightness
 - Documented testing procedure
 - Specific report formats
- 8.2 Inspections applies to all pipes
 - CCTV, Laser, Zoom Camera, Sonar
 - Qualitative visual inspection

Items of interest – Design Criteria



- 8.3 Leakage Testing
 - Quantitative
 - applies to all materials
- 8.4 Deflection Testing
 - Quantitative
 - Applies only to flexible pipe materials
 - Only mandrel or laser testing
 - Failed segments removed and replaced



Impacts on your Construction Documents

- Make sure specifications comply with both CLI ECA and Design Criteria
- Some things that were optional (OPS owner option) are now a requirement.
- Use the same terminology in your specification as is used in CLI ECA and DC to avoid confusion
- Spell out in detail the records you expect the contractor to make/keep/submit to comply with your ECA
- Address how payment will be made for the testing, record keeping etc.

Questions?

