



## Building Forward: Principles of Successful LID Construction, Certification, Inspection and Maintenance (March 30, 2020)

*This training event was produced through the Climate Change Adaptation Platform, with support from Natural Resources Canada and Grand River Conservation Authority.*

Time	Agenda
8:00 – 8:30 am	Arrival and Registration
8:30 – 8:40 am	Introductions, Housekeeping and Overview of the Day
8:40 – 9:15 am	Critical Processes for LID Construction <ul style="list-style-type: none"> <li>• Siting / Verifying Design</li> <li>• Tender and Contract</li> <li>• Activity 1 –Design Verification</li> </ul>
9:15 – 10:00 am	Preparing for the Pre –Construction Meeting <ul style="list-style-type: none"> <li>• Is Critical Information Missing</li> <li>• Establishing Key Inspection Points</li> <li>• Activity 2 –Inspection Points</li> </ul>
10:00 - 10:15 am	Break
10:15 – 10:30 am	Mobilizing, Access and Staging
10:30 – 11:30 am	Erosion and Sediment Control <ul style="list-style-type: none"> <li>• Non-structural Elements</li> <li>• Activity 3 –Perimeter Controls and Project Phasing</li> <li>• Structural Elements</li> <li>• Activity 3b –ESC Structural Elements</li> </ul>
11:30 am – 12:00 pm	Plan of Excavation <ul style="list-style-type: none"> <li>• Grading</li> <li>• Granular Backfill</li> <li>• Underground Infrastructure</li> <li>• Activity 4 –Backfill and Subsurface Infrastructure</li> </ul>
12:00 – 12:30 pm	Lunch
12:30 – 1:45 pm	Coming to Finish Grade <ul style="list-style-type: none"> <li>• Material Testing</li> <li>• Bioremedia Installation</li> <li>• Planting</li> <li>• Activity 5 – Bioretention Construction Order / LID Materials Sheet</li> <li>• Other Common LID Practices: Permeable Pavers and Porous Concrete</li> </ul>
1:45 – 2:30 pm	Operation and Maintenance for Surface Features <ul style="list-style-type: none"> <li>• Bioretention Filtration Certification Protocols</li> <li>• Routine Operation and Maintenance Processes for Bioretention</li> <li>• Routine Operation and Maintenance Processes for Permeable Pavement</li> </ul>
2:30 – 2:45 pm	Break
2:45 – 4:00 pm	Operation and Maintenance for Subterranean Features <ul style="list-style-type: none"> <li>• Sumps</li> <li>• Perforated pipes and underdrains</li> <li>• Chambers</li> <li>• Wells</li> <li>• Visual Inspection Indicators and Triggers for Follow-up Action; Case studies: Etobicoke Exfiltration System; Elgin Mills and Mayfield underground infiltration systems.</li> </ul>

Sustainable Technologies Evaluation Program (STEP) is a conservation authority initiative. Current partners are:

