

# Low Impact Development Construction, Inspection & Maintenance Workshop

## Wednesday, March 29, 2017

Watershed Conservation Centre  
Fanshawe Conservation Area  
1424 Clarke Road, London

### Presenters:



#### Kyle Vander Linden

After graduating from the University of Waterloo with a Masters of Environmental Studies in Planning, Kyle joined Credit Valley Conservation in 2008. Kyle is responsible for the implementation of integrated water management projects such as low impact development (LID), pollution prevention (P2), and now GRID LID overseeing design, construction, and operation and maintenance. From the experiences garnered in the field, Kyle manages CVC's LID training program and assists in the development of several of CVC's stormwater and LID guidance documents and speaks regularly at conferences and workshops. Apart from CVC, Kyle is a part time instructor at Redeemer University College teaching urban geography and natural resource management.



#### Dean Young

For the past 14 years Dean has worked for the Toronto and Region Conservation Authority. He is currently a Project Manager with the Sustainable Technologies Evaluation Program where his work focuses on evaluating the effectiveness of innovative water management technologies in an Ontario context and developing knowledge transfer tools to overcome barriers to widespread implementation. His most recent work focuses on developing guidance on the design and implementation of Low Impact Development stormwater infrastructure. Dean is also a Director of the Ontario Branch of the Canadian Water Resources Association.



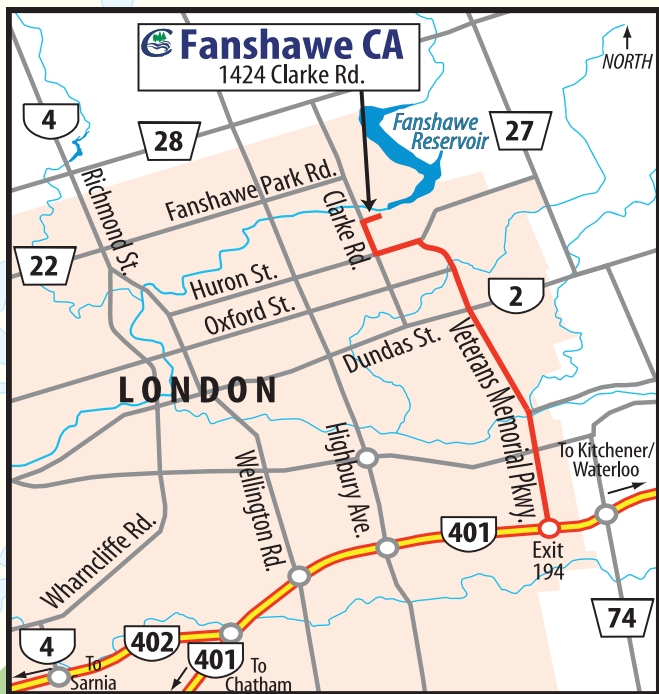
Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada



## AGENDA

8:00 - 8:30 am	<b>Registration and Refreshments</b>
8:30 - 10:00 am	<b>LID Construction - Part 1</b> <b>(Kyle Vander Linden, Credit Valley Conservation)</b> <ul style="list-style-type: none"><li>• Introduction</li><li>• Review of tender documents</li><li>• Verification of siting and LID practice design</li><li>• Construction Activity I</li><li>• Mobilization and sequencing</li><li>• Material storage and erosion and sediment control</li><li>• Construction Activity II</li></ul>
10:00 - 10:15 am	<b>Networking Break</b>
10:15 am - 12:20 pm	<b>LID Construction - Part 2</b> <b>(Kyle Vander Linden)</b> <ul style="list-style-type: none"><li>• Building it</li><li>• Finish grading</li><li>• Stabilization and overwintering</li><li>• LID common practices and materials</li><li>• Permanent vegetation establishment</li><li>• Construction Activity III</li></ul>
12:20 - 1:00 pm	<b>Lunch (provided)</b>
1:00 pm - 2:30 pm	<b>Practical Guidance on Inspecting &amp; Maintaining LID Stormwater Infrastructure</b> <b>(Dean Young, Toronto and Region Conservation Authority)</b> <p>Designing an Effective LID I&amp;M Program</p> <ul style="list-style-type: none"><li>• Challenges with integrating LID BMPs into stormwater asset management programs</li><li>• Key components of effective LID stormwater asset management programs</li><li>• Designing LID with ease of inspection and maintenance in mind</li></ul> <p>Inspection and Maintenance of LID Practices</p> <ul style="list-style-type: none"><li>• Framework of inspection types, visual indicators and tests</li><li>• BMP-specific inspection, testing and maintenance – Bioretention</li><li>• Comparison of LID BMP life cycle costs</li><li>• Inspection activity</li></ul>
2:30 - 2:45 pm	<b>Networking Break</b>
2:45 - 3:30 pm	<b>Application of Assumption Protocols Case Study / Questions and Discussion</b> <b>(Kyle Vander Linden &amp; Dean Young)</b>
3:30 - 4:00 pm	<b>LID Projects in the Upper Thames River watershed</b> <b>(Alison Regehr &amp; Imtiaz Shah, Upper Thames River Conservation Authority)</b>



**Watershed Conservation Centre**  
1424 Clarke Rd, London, Ontario N5V 5B9



**Watershed Conservation Centre**

**UPPER THAMES RIVER**  
CONSERVATION AUTHORITY