



# Making an Impact with Low Impact Development: Helping RI Communities use the Lessons Learned from Existing Projects

April 24, 2007

9:00 AM – 12:30 PM

Corless Auditorium, University of Rhode Island Narragansett Bay Campus

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The Rhode Island Department of Transportation, Department of Environmental Management, Coastal Resources Management Council and the University of Rhode Island Cooperative Extension NEMO program welcome you to Making an Impact with Low Impact Development. This workshop will highlight current research findings and successes of Low Impact Development (LID) projects in New England, focusing on practical lessons that Rhode Island communities can apply to realistically implement this stormwater management technique. This program provides necessary background for future training on the updated RI Stormwater Design Manual and adoption of LID stormwater controls through municipal ordinances and regulations.

**8:15 – 9:00 Registration**

**9:00 – 9:20 Welcome and Introduction**

*Lorraine Joubert, URI Cooperative Extension NEMO  
Eric Beck, RI Department of Environmental Management  
James Boyd, RI Coastal Resources Management Council*

**9:20 – 9:55 Is it really LID? A NEW look at planning and design elements.**

*Rich Claytor, Horsley & Witten Group*

LID is the new buzzword for green design but one or two rain gardens don't always add up to a functioning landscape for good stormwater management. This presentation defines key elements that comprise LID and make it dramatically different from conventional land development, beginning with the site assessment and planning process. Local case study example used to illustrate project redesign using LID practices. *Moderator: Scott Millar, RI Department of Environmental Management*

**9:55 – 10:30 Cold Climate Performance of Stormwater Practices.**

*Dr. Robert Roseen, University of New Hampshire Stormwater Center*

This session will report on the effectiveness of stormwater controls installed, monitored and maintained at the University of New Hampshire test center in Durham, NH. Field test results will focus on cold weather performance and maintenance issues of small scale LID practices, treatment performance of conventional vs. LID methods, and recommendations for municipalities. *Moderator: Scott Millar, RI Department of Environmental Management*

**10:30 –10:45 Open Discussion – Issues in local LID implementation**  
*Moderator: Lorraine Joubert, URI Cooperative Extension NEMO*

**10:45 –11:00 Break**

**11:00 –11:35 The Jordan Cove LID Subdivision**  
*Dr. Michael Dietz, University of Connecticut NEMO*

In this “paired” watershed study, Phase I of the Jordan Cove subdivision was built using conventional methods; Phase II incorporates LID methods to eliminate a closed drainage system, using open swales, on-lot rain gardens, and permeable pavements. The result is the most comprehensive and long-term analyses of LID effectiveness in the northeast. Findings shed light on stormwater treatment performance, maintenance issues and other practical lessons in applying LID in a new land development project. *Moderator: Caitlin Chaffee, RI Coastal Resources Management Council*

**11:35 –12:10 Retrofitting a Commercial shopping center**  
*Eileen Pannetier, Comprehensive Environmental, Inc.*

This case study demonstrates how a conventional shopping center can be retrofitted to incorporate LID practices to improve water quality, recharge and aesthetics. Includes cost comparisons of conventional and LID stormwater designs. *Moderator: Caitlin Chaffee, RI Coastal Resources Management Council*

**12:10 –12:25 Open Discussion – Issues in local LID implementation**  
*Moderator: James Boyd, RI Coastal Resources Management Council*

**12:30 Evaluation and Adjourn**  
Lunch discussion and networking at the Mosby Center - Optional

### **Sponsors**

This program is sponsored by the RI Coastal Resources Management Council and by the RI Departments of Transportation and Environmental Management, in partnership with URI Cooperative Extension NEMO, under the Phase II Stormwater Education and Outreach Program.