

## Select Resources for Low Impact Development Design

The following resources are provided to assist designers and other interested in LID additional information on techniques and design of LID practices as they have been implemented in Rhode Island and nationwide. RIDEM and CRMC standards take precedent for LID planning, design and maintenance; the documents presented here are meant to supplement these regulations and standards.

### **State Policies and Regulations**

Currently, RIDEM regulations for stormwater management consist of the:  
Rhode Island Stormwater Design and Installation Manual, September 1993.  
<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/pdfs/desman.pdf>

RIDEM is currently working on an update to the 1993 Stormwater Design and Installation Manual. This Draft RI Storm Water Manual Chapters are located on the following website:  
<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/>  
(scroll to the bottom of the page and the links are on the left hand side)

The Coastal Resources Management Council (CRMC) has several documents that provide additional regulation related to stormwater management for specific areas of Rhode Island. These regulations apply to Special Area Management Plans (SAMPs) including:

The Metro Bay SAMP and Urban Coastal Greenways Policy:  
<http://www.crmc.state.ri.us/samp/metrobay.html>

Greenwich Bay SAMP  
<http://www.crmc.state.ri.us/samp/greenwichbay.html>

Narrow River SAMP  
<http://www.crmc.state.ri.us/samp/narrowriver.html>

Salt Ponds Region SAMP  
<http://www.crmc.state.ri.us/samp/saltponds.html>

Pawcatuck River SAMP  
<http://www.crmc.state.ri.us/samp/pawcatuck.html>

### **Coming soon: A Regional LID Stormwater site highlighting in-the-ground LID projects throughout New England**

The Regional LID Stormwater site will be based on the CT NEMO LID Stormwater Treatment Practice Database (<http://clear.uconn.edu/tools/lid/index.htm>). The Regional site will include projects in Rhode Island and will be hosted by the University of New Hampshire Stormwater Center. Would you like to submit a project? Here is how: go to UNH website: <http://www.unh.edu/erg/cstev/> and click on the link for UNH Stormwater Center Innovative BMP Database on-line submission form or call URI for assistance (Marie Esten 401-874-5687).

## **LID Stormwater Manuals:**

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### **RI Urban Environmental Design Manual:**

<http://www.dem.ri.gov/programs/bpoladm/suswshed/pubs.htm>

### **Prince George's County, MD Manuals:**

<http://www.epa.gov/owow/nps/lid/lidnatl.pdf>

### **Puget Sound Technical Guidance Manual:**

[http://www.psat.wa.gov/Publications/LID\\_tech\\_manual05/lid\\_index.htm](http://www.psat.wa.gov/Publications/LID_tech_manual05/lid_index.htm)

### **Massachusetts LID Toolkit:**

<http://www.mapc.org/LID.html>

### **LID Center Design Standards:**

<http://www.lowimpactdevelopment.org/epa03.htm>

## **Useful Websites:**

### **EPA Sites:**

EPA Municipal Technologies (factsheets)

<http://www.epa.gov/owm/mtb/mtbfact.htm>

EPA LID literature review and factsheets

<http://www.epa.gov/owow/nps/lid/lidlit.html>

EPA Low Impact Development Page

<http://www.epa.gov/owow/nps/lid/>

### **Connecticut NEMO**

<http://nemo.uconn.edu/tools.htm>

### **LID Center:**

<http://www.lowimpactdevelopment.org/home.htm>

### **Stormwater Center (Center for Watershed Protection):**

<http://www.stormwatercenter.net/>

### **UNH Stormwater Center:**

<http://www.unh.edu/erg/cstev/index.htm>