



Bureau of Water Protection and Land Reuse  
Planning and Standards Division

## Low Impact Development (LID) Resources

### *LID Resources in Connecticut:*

The Connecticut Department of Environmental Protection's (CT DEP) Watershed Management Program:  
LID Coordinator – Jessica Morgan: [jessica.morgan@ct.gov](mailto:jessica.morgan@ct.gov) or 860-418-5994  
<http://www.ct.gov/dep/watershed>

The CT DEP's *Resident's Guide to LID in Connecticut* brochure can be found at:  
[http://www.ct.gov/dep/lib/dep/water/watershed\\_management/wm\\_plans/lid/what\\_is\\_low\\_impact\\_development.pdf](http://www.ct.gov/dep/lib/dep/water/watershed_management/wm_plans/lid/what_is_low_impact_development.pdf)

The *2004 Connecticut Stormwater Quality Manual* provides guidance on utilizing Low Impact Development techniques in development plans: [www.ct.gov/dep/stormwater](http://www.ct.gov/dep/stormwater)

UCONN's Nonpoint Education for Municipal Officials (NEMO) website provides tools, resources, publications and more: [www.nemo.uconn.edu](http://www.nemo.uconn.edu)

Jordan Cove Urban Watershed Monitoring Project discusses the creation of a Low Impact Development neighborhood in Connecticut: <http://jordancove.uconn.edu/>

The Jordan Cove Urban Watershed Monitoring Project web site offers testimonials from planners, engineers, public works and others about their experience with an LID neighborhood at [http://jordancove.uconn.edu/jordan\\_cove/testimonials.html](http://jordancove.uconn.edu/jordan_cove/testimonials.html)

### *Other LID Resources:*

The EPA LID web site provides fact sheets, reports, design and guidance manuals at:  
<http://www.epa.gov/owow/nps/lid/>

Stormwater Management at the EPA Headquarters Office Complex is described at:  
[http://www.epa.gov/owow/nps/lid/stormwater\\_hq/](http://www.epa.gov/owow/nps/lid/stormwater_hq/)

The EPA's Watershed Academy Webcast Seminar Archives contain 2 hour webcasts on a variety of LID topics:  
<http://www.epa.gov/watershedwebcasts/>

The EPA's National Pollutant Discharge Elimination System (NPDES) program archives webcasts on green infrastructure at: [http://cfpub2.epa.gov/npdes/outreach.cfm?program\\_id=0&otype=1](http://cfpub2.epa.gov/npdes/outreach.cfm?program_id=0&otype=1)

The Prince George's County LID Manual offers assistance with site planning and LID design at: <http://www.epa.gov/nps/lidnatl.pdf>

The University of New Hampshire Stormwater Center studies the effectiveness of a variety of LID demonstration projects. Information can be found at: <http://www.unh.edu/erg/cstev/>

The Smart Growth and Water: Resources and Tools web site includes residential and non-residential low impact development tools: <http://www.epa.gov/watertrain/smartgrowth/resources/index.htm>

The Low Impact Development Center was established to develop and provide information to individuals and organizations dedicated to protecting the environment and water resources through proper site design techniques that replicate pre-existing hydrologic site conditions. <http://www.lowimpactdevelopment.org/>

*LID for Big Box Retailers* was developed with input from a major big box retail corporation. This EPA-funded manual is designed to provide large building and site footprint high volume retailers with strategies that integrate innovative and highly effective LID stormwater management techniques into their site designs for regulatory compliance and natural resource protection. <http://lowimpactdevelopment.org/bigbox/>

The Boston Metropolitan Area Planning Council, LID Toolkit provides information and resources: <http://www.mapc.org/LID.html>

The Stormwater Manager's Resource Center (SMRC) is designed specifically for stormwater practitioners, local government officials and others that need technical assistance on stormwater management issues. <http://www.stormwatercenter.net/>

Streaming video program on LID, *Reining in the Storm - One Building at a Time*: This engaging 30 minute film explains low impact development to the uninitiated. It is ideally suited for educating local government officials and key decision-makers on the merits of low impact development in a way that breaks down barriers for adoption of these practices and directly addresses real concerns. <http://www.clu-in.org/studio/reining.cfm>

The National Association of Local Government Professionals Web Cast on LID and Watershed Management is archived at <http://www.nalgep.org/calendar/Index.cfm?Page=1&EventsID=4888>

### ***Green Infrastructure:***

The EPA's Green Infrastructure web site can be found at: [http://www.epa.gov/greenkit/green\\_infrastructure.htm](http://www.epa.gov/greenkit/green_infrastructure.htm)

The EPA's Green Streets Program includes multi-purpose design techniques that concurrently manage stormwater runoff, calm traffic, and enhance community aesthetics and "sense of place" for residents. <http://www.epa.gov/owow/podcasts/greenstreetsusa.html>.

The Green Values Stormwater Toolbox web site, hosted by the Center for Neighborhood Technology, features a green values stormwater calculator and other resources related to green infrastructure. It also provides online access to their pocket guide, *Water: From Trouble to Treasure*. <http://greenvalues.cnt.org/>

The Green Infrastructure Public Gallery showcases a photo gallery of green infrastructure projects. <http://picasaweb.google.com/buildgreeninfrastructure>

## ***LID Best Management Practices – Rain Gardens:***

### ***Connecticut Information:***

The CT DEP's *Resident's Guide to Rain Gardens in Connecticut* brochure can be found at:

[http://www.ct.gov/dep/lib/dep/water/watershed\\_management/wm\\_plans/lid/what\\_is\\_a\\_rain\\_garden.pdf](http://www.ct.gov/dep/lib/dep/water/watershed_management/wm_plans/lid/what_is_a_rain_garden.pdf)

The UCONN Cooperative Extension System's guide to building a rain garden:

[http://www.nemo.uconn.edu/tools/stormwater/pdf/rain\\_garden\\_design\\_guide.pdf](http://www.nemo.uconn.edu/tools/stormwater/pdf/rain_garden_design_guide.pdf)

The Connecticut Master Gardener Association:

<http://www.ctmga.org/>

### ***Planting Information:***

The *Connecticut Native Tree and Shrub Availability List* published by the CT DEP:

[http://www.ct.gov/dep/lib/dep/wildlife/pdf\\_files/habitat/ntvtree.pdf](http://www.ct.gov/dep/lib/dep/wildlife/pdf_files/habitat/ntvtree.pdf)

The Connecticut College Arboretum's information on native plants:

<http://arboretum.conncoll.edu/>

The *Connecticut Native Plant and Resource List* by the US DOT Federal Highway Administration:

<http://www.fhwa.dot.gov/environment/rdsduse/ct.htm>

### ***A Local Connecticut Example:***

Town of Coventry Rain Garden Demonstration:

<http://www.thamesriverbasinpartnership.org/coventry.raingarden.htm>

The Tolland County Agricultural Center Demonstration Project in Vernon:

[http://www.ct.nrcs.usda.gov/rain-garden\\_tac.html](http://www.ct.nrcs.usda.gov/rain-garden_tac.html)

### ***Other Resources:***

The Vermont Rain Garden Manual:

<http://www.vermontconservation.org/images/stories/vtraingardenmanual.pdf>

The Wisconsin Department of Natural Resources Rain Garden Manual:

<http://www.dnr.state.wi.us/org/water/wm/dsfm/shore/documents/rgmanual.pdf>

The Kansas City 10,000 Rain Gardens Project is a metropolitan area initiative. 10,000 Rain Gardens is dedicated to educating the public about what citizens can do to improve water quality and manage stormwater on personal and community property. The site includes information on rain gardens, rain banks and other green solutions for managing stormwater.

<http://www.rainkc.com/>

The USDA Natural Resource Conservation Service has information about rain gardens at:

[http://www.ct.nrcs.usda.gov/elc-educational\\_materials.html](http://www.ct.nrcs.usda.gov/elc-educational_materials.html)

## ***LID Best Management Practices – Rain Barrels:***

### ***Information on Rain Barrels and Rainwater Harvesting:***

Center for Watershed Protection's *How to Build and Install a Rain Barrel* Fact Sheet:  
[http://www.cwp.org/Resource\\_Library/Center\\_Docs/Residential/rainbarrelgarden.pdf](http://www.cwp.org/Resource_Library/Center_Docs/Residential/rainbarrelgarden.pdf)

Maryland Environmental Design Program: <http://www.dnr.state.md.us/ed/rainbarrel.html>

The Texas Manual on Rainwater Harvesting:

[http://www.twdb.state.tx.us/publications/reports/RainwaterHarvestingManual\\_3rdedition.pdf](http://www.twdb.state.tx.us/publications/reports/RainwaterHarvestingManual_3rdedition.pdf)

The Water Environment Research Foundation (WERF) developed a comprehensive resource site to encourage sustainable stormwater practices that caters to several distinct audiences of decision makers, engineers and landscape designers. The site includes case studies, an educational toolbox and resource links at <http://www.werf.org/livablecommunities/>

## ***LID Best Management Practices – Pervious Pavements:***

For information on permeable pavements visit NEMO's *Planning for Stormwater* web page:  
<http://nemo.uconn.edu/tools/stormwater/pavements.htm>

An article on pervious pavements featured in the journal *Stormwater* can be found at:  
<http://stormh2o.com/may-june-2003/pavement-porous-bmps.aspx>

An article on pervious pavement performance in cold climates featured in the journal *Stormwater* can be found at: <http://www.stormh2o.com/september-2008/pervious-asphalt-concrete.aspx>

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These requests may be made directly to Marcia Z. Bonitto, ADA Coordinator, via e-mail: [Marcia.Bonitto@ct.gov](mailto:Marcia.Bonitto@ct.gov)