

Further resources

The following is a list of additional resources that may be useful when researching stormwater management and Low Impact Development techniques.

Vermont League of Cities and Towns – Stormwater Resources

The Vermont League of Cities and Towns has collected a variety of resources on stormwater regulations and LID techniques. Resources include the LID Stormwater Management Model Bylaw included in this resource pack, the 2009 Managing Stormwater Through LID techniques workshop, and archived VLCT News articles on stormwater issues.

Stormwater resources available online at <http://resources.vlct.org/results/?s=stormwater>

Vermont Rain Garden Manual

In 2008 the Winooski Natural Resources Conservation District produced a Vermont specific resource manual for homeowners, landscape architects and others interested in developing a rain garden in the state. The resource includes information on choosing a location, designing, installing and maintaining a rain garden. A Vermont rain garden plant list also included in the manual contains 150 plants suitable for a rain garden and information about the plants such as salt tolerance, sun/shade requirements, hardiness, and tolerance to drought and poor drainage.

Manual available online at www.vacd.org/~winooski/RGManual7.1.09FINAL.pdf

Plant list available online at www.vacd.org/~winooski/RGManualPlantList7.1.09FINAL.pdf

Vermont Underground Injection Control (UIC) permits and raingardens

Raingardens that capture stormwater runoff from over one acre of impervious surface may require a UIC permit from the Vermont Agency of Natural Resources. The application form can be downloaded from www.anr.state.vt.us/dec/ww/permits/UICStormwaterRegistrationForm.pdf. More information about the Vermont's UIC permits can be found at www.anr.state.vt.us/dec/ww/uic.htm

EPA New England LID Resources

EPA New England has a variety of resources on their site, including the two resources included in this resource pack, as well as information about how to fund stormwater programs and best management practices.

LID resources available online at www.epa.gov/region1/topics/water/lid.html

Charles River Watershed Association Low Impact Development Stormwater Best Management Practices

In 2008, the Charles River Watershed Association produced a series of easy to use, two page information sheets on a variety of stormwater management techniques including several LID techniques. Stormwater practices covered include permeable pavement and pavers, stormwater planters, vegetated swales, stormwater wet ponds, green roofs, rain gardens, constructed stormwater wetlands, stormwater tree pits and gravel wetlands. Information sheets

include estimates on costs for installation and maintenance per sqft or ft, information on which pollutants can be removed, and examples from across New England, although they mainly focus on Massachusetts.

Available online at www.crwa.org/projects/stormwater/stormwaterBMPs.html

University of New Hampshire Stormwater Center

Amongst the publications of the Stormwater Center are several useful reports and reviews of stormwater technologies – traditional and LID related. The 2009 and 2007 biannual report's from the center include a review of their research and test sites, as well as useful two page summaries on stormwater technologies, explaining how they work as well as information about implementation, cost and maintenance, cold climate situations, and water quality treatment and control. The 2009 report includes summaries of porous asphalt, pervious concrete, subsurface gravel wetland, bioretention systems, tree box filters, the StormTech Isolater Row system, retention ponds, deep sump catch basins, and filter berm swales. The 2007 report includes additional summaries on subsurface gravel wetland, surface sand filters, hydrodynamic separators, ADS water quality units and infiltration systems, Aqua-filter Stormwater Filtration systems, and vegetated swales. The Center is also working with NEMO to produce a database of New England's stormwater practices (www.unh.edu/erg/cstev/).

The Center's reports and studies are available online at www.unh.edu/erg/cstev/pubs_specs_info.htm