

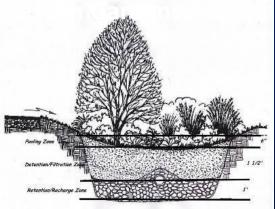
UConn's First LID Projects





Lakeside Apts.
Porous Pavers

Towers Dorm
Rain Garden - 2004 and today





2006 - UConn's First LEED-Certified Project LID Earns Sustainable Site LEED Credits



Southern Bio-Retention Swale



Northern Rain Garden

- Rain Gardens & Bio-Retention Swales:
 - Retain Site Stormwater Runoff Minimize Downstream Impacts
 - Remove Stormwater Pollutants Naturally Through Soil and Plants
- Integrated Pest Management (IPM) Also Protects Water Quality

LID Earns Sustainable Site LEED Credits



GrassPave Grid Stabilizes Un-Paved Delivery
Entrance



Reduced Impervious Cover in Plaza

- Less Impervious Surface Also Reduces "Heat-Island" Effect
 - Light-Colored Pavement, GrassPave
- 50+% of Entire Site Preserved as Open Space

Lesson learned on grass driveway...



Delivery entrance for practice facility used more often than expected; no "down time" that enabled grass seed to grow → grid removed



TMDL for Eagleville Brook Regulatory Stimulus for LID



Streambank Erosion Caused by High Flow



Channel down cutting and bank erosion observed at site 1, Eagleville Brook downstream of Hunting Lodge Road on July 6, 2005.

Gant Plaza Green Roof – Sept. 2009

- 334 modules
- 2 ft by 4 ft
- 79% cover
- New gathering place





Student Volunteers Installed
CT DEP Acting Commissioner Amey
Marella at Dedication Ceremony

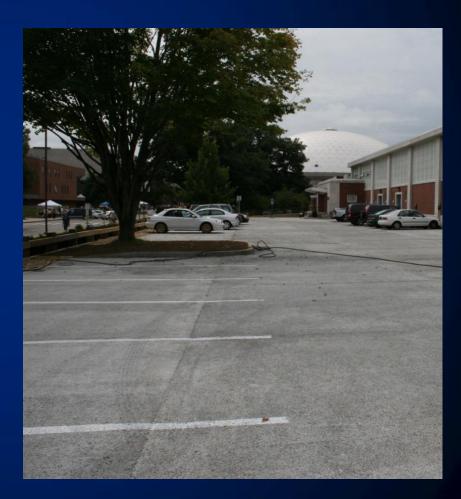


Green Parking Lots – August 2009



Workers Installing Porous Concrete
Parking Lot at Greer Field House





http://www.youtube.com/watch?v=ScsQYHMfabU

Green Parking Lots – August 2009

Permeable Asphalt





Permeable Asphalt Parking Lot Installed at Towers Residence Halls



Permeable asphalt has held up well...



4 years later... Sept. 2013







Porous concrete, not so much...







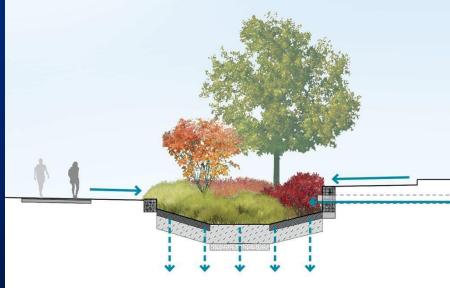


Momentum builds for LID









Storrs Hall Addition – Green Roof & Parking Lot









Whetten & Dodd Center Landscape/Hardscape Improvement Projects – LID Opportunities



Education & Outreach





LID featured on new dashboards and Green Campus virtual tours

About LID at UConn

Low impact development (LID) is a practice used to reduce impacts of storm water runoff on water quality. As part of UConn's commitment to sustainability, LID practices have been implemented at numerous locations around campus. Such practices have potential to greatly reduce the impacts of the university on the quality of water in nearby streams and rivers.



The LIDS Team



The LIDS Team is a part of the Natural Resources Conservation Academy. The dynamic group is comprised of five students and three mentors. Although the team members come from different corners of the state, they are united by a common purpose to inform the public on UConn's low impact development practices which reduces the campus' environmental footprint on Connecticut's waterways.

Natural Resources Conservation Academy

Dept. of Natural Resources and the Environmen University of Connecticut 1376 Storm Road U-4087 Storms, CT 06269 nrca@uconn.edu

Low Impact Development at UConn

Protecting water quality through innovative practices





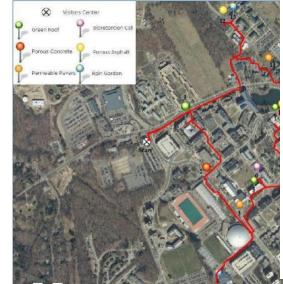


Key to map

- Starting Point: Visitor's Center

 1. Gant Plaza Green Roof
- 2. Greer Field House Parking Lot
- 3. Gampel Pavilion Snow Shelf
- 4. Burton Family Football Complex
- 5. Laurel Hall Green Roof
- 6. Laurel Hall Bioretention cell
- 7. Oak Hall Permeable Pavers
- 8. Oak Hall Bioretention Cell
- 9. Storrs Hall Green Roof
- 10. Storrs Hall Permeable Asphalt
- 11. Lakeside Bldg Permeable Pavers
- 12. Towers Permeable Asphalt
- 13. Towers Rain Garden





IJD practices have been implemented at many sites across the UConn campus. The above map illustrates a four of twelve of these practices which include rain gardens, bioretention cells, green roofs, and permeable pavements. This tour of LID practices is 2.5 miles in length and should take approximately one hour. An interactive online version of this map can be found at http://suconn.edu/idmap.

A focus for HS students at UConn's Natural Resources Academy

Keys to continued success with LID

- Strong Institutional commitment
 - Support & leadership at multiple levels – education, research, outreach & operations
 - Expert staff driving day-to-day projects, plans and designs
- Well-functioning, sustainable & aesthetically pleasing projects
- Regulatory push <u>and</u> acceptance for LID in permitting and campus drainage plan





