

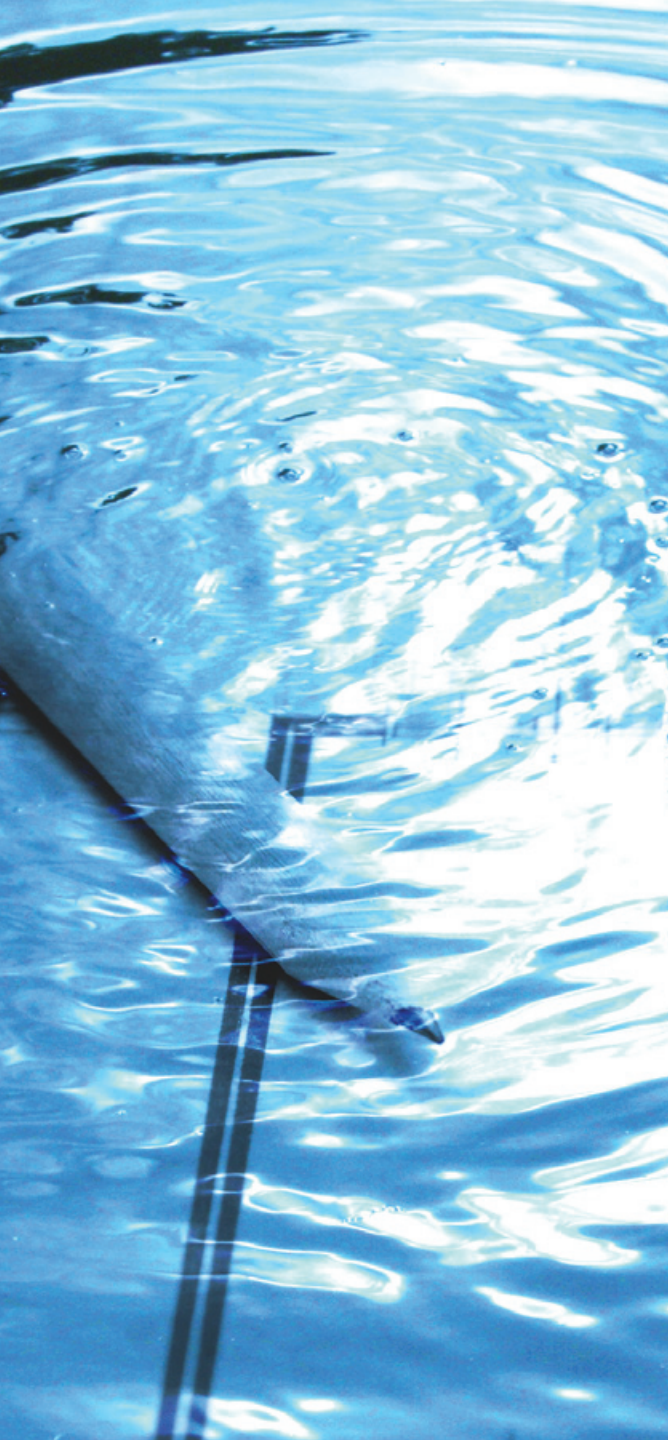


Ripple Effect

Springfield, Missouri
May 7 & 8, 2008

Low Impact Development Techniques for
High Impact, Far-Reaching Results





Ripple Effect:

(ripəl i-fekt) n.

a spreading effect

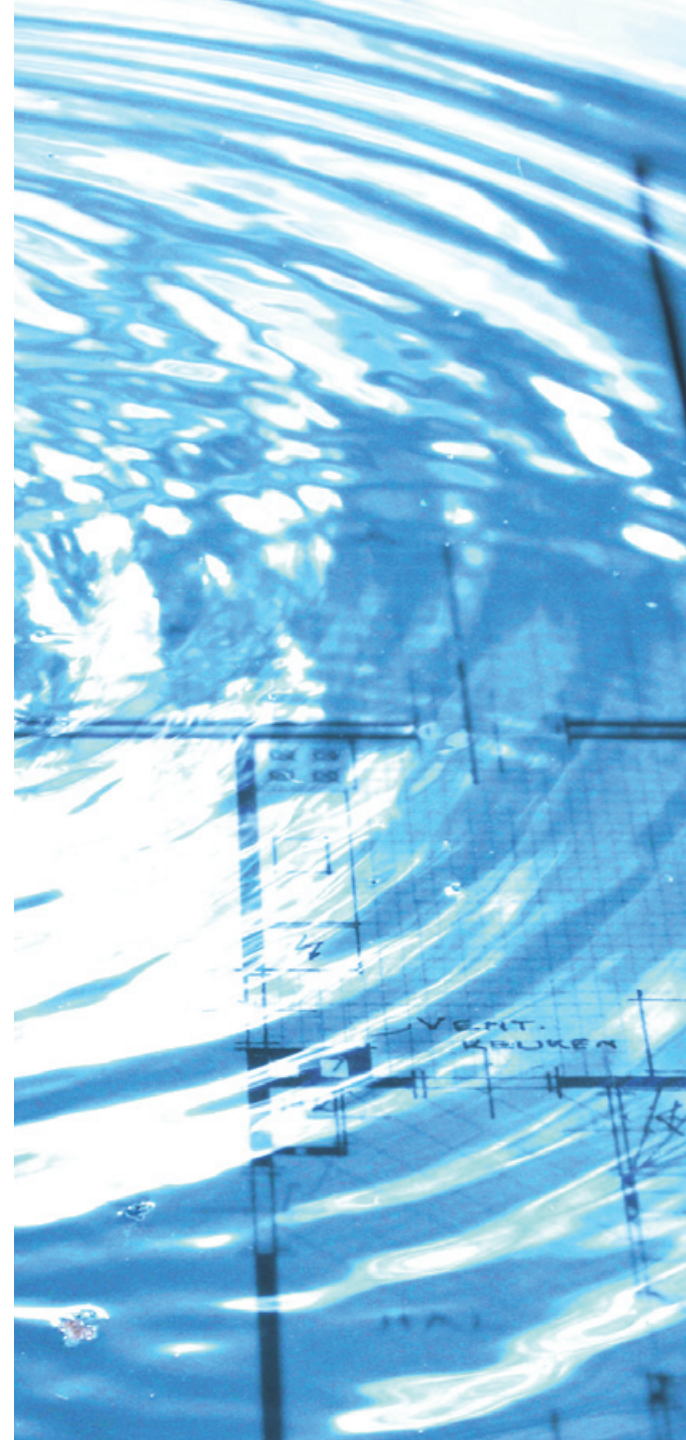
or series of

consequences

caused by a

single action

or event.



Low Impact Development: Growth AND Sustainability



Here in the Ozarks, one of our most precious resources is the water. People are drawn to this area for the abundance of beautiful lakes and streams, yet with this population growth comes diminishing water quality.



Ever-increasing demands on natural resources have created new challenges for builders and developers. As awareness of environmental issues rises, so does the demand for greener, less negatively impactful building techniques. Whether driven by tighter regulations designed to protect our natural resources or customer demand, conscientious development decisions are a must to stay competitive and protect our resources.

Designing the Box Outside of the Box



This conference will provide tools you need to begin incorporating stormwater management Low Impact Development (LID) techniques into your everyday designs. Learn various LID methods specific for our area, compare costs with traditional design methods, see innovative products for implementing these practices into your project, and tour local sites currently using these innovative building methods.



By studying various site-planning and hydrological based methods, some new, some currently utilized worldwide, LID techniques offers solutions to these challenges. Promoted by the EPA, LID can help meet the Clean Water Act requirements, preserve our water quality and replenish our aquifer, while offering economical benefits. Professional Development hours are available.

This event will be held at the Oasis Hotel and Convention Center in Springfield Missouri.

It is hosted by:



Striving to create an experience that both offers and exemplifies sustainable practices.

Conference Topics and Speakers



Keynote: Intro to Low-Impact Development

Jacob Blue, Applied Ecological Services

Jacob Blue, ecological designer and senior landscape architect, will present charrette site, as well as the goals and challenges distinct to this site.

Pervious Surfaces

Justin Hough, Innoviro

David Mudd, Kirchner Block

Chris Carson, Carson/Mitchell Engineering

Compare and contrast various materials in pervious surfaces.

< OR >

Yard Prairiescaping

Applied Ecological Services

Learn the advantages of taking a portion of your turf and turning it into prairie.

Prairiescaping methods and materials will be shared.

Video Luncheon Enjoy lunch as we show “White River Heritage: Guarding the Treasure”. This video, produced by the Upper White River Basin Foundation, showcases Ozarks rivers and best practices for water management.

Subdivision Raingardens

Applied Ecological Services

Explore the benefits of including raingardens into your plans for a community. See a range of native plants,

discover which are best to suit your site.

< OR >

Rethinking Detention Basins

Todd Wagner, City of Springfield

Eric Dove, Olsson & Associates

Take a look at more attractive, effective and environmentally-sound methods for building or retrofitting your detention basin.

day 1

Charrette Presentation Plans developed prior to the charrette (for site as presented earlier) will be unveiled. Compare hydrological analysis and costs of LID plan vs. conventional plan.

Appetizers & Mixer The fun begins with our after-hours party. Music, plentiful hor d’ouvres and a cash bar. This party is so good, even the vendors are sticking around.

day 2

Smart Growth Techniques

Dr. Marty Matlock, University of Arkansas & Stephen Luoni, University of Arkansas, Community Design Center

Growth is easy. Doing it wisely, with an eye toward future impact is another matter. We will look at the natural features in a site, cluster development and designing open spaces to promote a healthier and sustainable community.

Rainwater Harvesting (Comm.)

Matt O’Reilly, Green Circle

Eric McCune, SDA Architects

Take advantage of the naturally-occurring rainfall to augment the required supply of water for commercial use.

< OR >

Rainwater Harvesting (Residential)

Dan Chiles, Watts Industries

Stuart Murr, Smart Designs

This sustainable action serves both fiscal and environmental concerns on a residential level.

What Color is YOUR Roof?

Kelly Luckett, Green Roof Blocks & Dr. Bill Retzlaff, Southern Illinois University, Edwardsville

Curious about building a green roof? Look at structural requirements, assembly, design, planting, care and research gathered by the Green Roof Environmental Evaluation Network.

Field Trip! Board a bus to visit several local LID sites to see actual working examples of LID building techniques. Bring your questions, lunch will be provided. Dr. John Moore of UWRB will lead a discussion on codes and ordinances.

Design Charrette



If you'd prefer a more in-depth, hands-on approach to learning, sign up for this two-day design charrette, led by Applied Ecological Services (AES). AES, a broad-based ecological service firm, assisted in the design of the nation's premier LID residential community "Prairie Crossing" and many others.

On May 6th, (the day prior to the conference) the design charrette participants will study BMP techniques, discovering the challenges and constraints they face in implementation. On May 7, (during the conference) the charrette will break into small groups to design BMPs into an actual site with its own goals and limitations. Members of this charrette will have the expertise of AES on-hand to assist as they work through various issues together before presenting their solutions. AES will also participate by taking the same site and presenting two examples, one with traditional techniques and one using LID techniques. View the results of hydrological and cost-comparisons between the two sites. **NOTE:** Charrette participants can sign up for conference Day 2. *Space in the charrette is limited.*

Vendor Fair



It's all well and good to talk about designing with green techniques, but where do you get the materials? During the conference, vendors show their innovative products and can answer all of your questions.

Registration is easy!



Log on to www.jamesriverbasin.com and click on *Ripple Effect* at the top of the page. Then, fill out the form, submit your payment, and you're done. Or, if you'd prefer, download a PDF and send it in with your payment. Still have questions? Call Tiffany Frey at (417) 836-6183. **Space in each session will be reserved on a first-come, first-served basis.**

Sponsored by

