

Low Impact Development for Local Governments and Designers Workshop

Sponsored by U.S. EPA Region 7 and the Johnson County Stormwater
Management Program

December 10, 2013

- 8:00 – 8:30** **Registration**
- 8:30 – 8:45** **Introduction**
Johnson County, EPA Region 7
- 8:45 – 9:45** **The Principles of LID**
Kimberly Brewer and Jason Wright, Tetra Tech
- Define goals of LID.
 - The LID design process.
 - Overview of LID practices.
- 9:45 – 10:15** **How LID is different than the current BMP design approach**
Jason Wright, Tetra Tech
- Comparison of Conventional versus LID Design.
 - Cost of LID versus Conventional Practices.
 - Potential funding opportunities
- 10:15 – 10:30** **Break**
- 10:30 – 11:00** **Co-benefits of LID**
Kimberly Brewer, Tetra Tech
- Social, economic, and environmental benefits.
- 11:00 – 11:45** **Case study: Site retrofit using LID concepts (Bancroft School Apartments)**
Tim Duggan, ASLA, Phronesis, Kansas City, MO
- 11:45 – 12:00** **Q&A**
- 12:00 – 12:30** **Lunch**
Lunch will be provided for attendees.

- 12:30 – 1:45** **Common conflicts with existing codes**
Kimberly Brewer, Tetra Tech
- Tools communities can use to identify code barriers to LID
 - Common barriers and some solutions
- 1:45 – 2:30** **Case study: Tonbo Meadows – the first true LID subdivision in North Carolina**
Gary McCabe, P.E., Red Line Engineering, Raleigh, NC
- 2:30 – 2:45** **Break**
- 2:45 – 3:30** **Case study: Queenston Manor Apartments - LID saves the day**
Justin R. Ring, P.E., Edminster Hinshaw Russ & Associates, Houston, TX
- 3:30 – 4:00** **The 3 Ms of the LID Process: Modeling, Maintenance, and Monitoring**
Jason Wright, Tetra Tech
- 4:00 – 5:00** **Design Exercise**
Kimberly Brewer and Jason Wright, Tetra Tech
- 5:00** **Wrap-Up**