

Expert Judging Criteria



Judging ID Number: 03EJ-E

Team Number of Entry 03-01

Design Category of Entry: Urban Residential Development – Barnard Trace

Judges' Comments:

A good urban design that creatively demonstrates that cluster housing can be successfully integrated into conventional, “lot and block” neighborhoods, which is important in and of itself.

Their approach to LID appears to be an integrated system that responds to the site, e.g., bioswales distributed at key locations, garden, creek, etc. Through the platting process, this community open space can be established as common areas to be maintained by a homeowners association. This is a very reasonable and practical adaptation of current stormwater management standards and techniques and would make sense to all involved in the approval process.

I would have liked to have seen a little more detail on how LID could be extended and applied to individual lots. How could individual property owners further reduce runoff and enhance these improvements?

The “Code Challenges” section is by far the best that I have seen. Their description of obstacles is clear and meticulous. Their prescriptions are reasonable and well-defended; this team has a very deep and comprehensive understanding of development and each of their recommendations should receive careful consideration in Tulsa’s update of zoning and subdivision regulations.

This is a complicated infill site and this team has responded to its challenges with creative, yet very feasible solutions that could be implemented quickly. It was a pleasure to review.

Total Points Accumulated: 70 out of 100

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- How well does this site conserve natural resources that provide natural functions associated with controlling and filtering storm water?

7 of 10 points

- How well does this site use decentralized, small-scale landscape features and LID Integrated Management Practices (IMP) working as a system to:
 - Reduce the amount of runoff by mimicking the natural hydrologic function of the site and matching pre-development hydrology?

5 of 10 points

- Minimize the use of and/or reduce the size of pipe and other centralized control and treatment infrastructure?

5 of 10 points

- How well does this site minimize and disconnect impervious surfaces, lengthen time of concentration and promote bio-filtration of runoff to improve the quality of storm water leaving the site?

7 of 10 points

- How well does this site minimize or eliminate the use of potable water resources needed for irrigation and where practical provide for the reuse of rainwater?

4 of 10 points

- How well does this site use enhanced quality of life values and reduced maintenance costs inherent in LID practices to increase marketability of the development and long-term property values?

7 of 10 points

- How well does this site correctly identify current codes that prohibit the construction or implementation of your prescribed LID techniques?

15 of 15 points

- How well does this site address the aspects of your area of expertise in architecture, landscape architecture, hydrology/hydraulics/civil engineering, stormwater quality, or planning/development/consulting?

7 of 10 points

- How well do the team's submitted materials address grammar, editing, appearance, and verbiage ?

3 of 5 points

- Does the team's design adequately compare the costs of LID versus conventional design? Is their design a better investment, in your opinion, than the conventional design?

10 of 10 points

Total Points Accumulated: 70 out of 100