

Expert Judging Criteria



Judging ID Number: 03EJ-A _____

Team Number of Entry 03-02

Design Category of Entry: _____

Urban Redevelopment - Barnard Trace _____

Judges' Comments: Assumptions are as follows: developer will provide all site development, including infrastructure. Variances from standard zoning practices will be granted. There will need to be covenants in place to enforce architectural design, landscape and mechanical components (such as ground source wells and heat pumps). Covenants will require some sort of governance body and funds for operations and maintenance of the infrastructure (including alley). Although it will not be possible to monitor homeowners' conservation practices, we hope that the cost/benefits of conservation features will be compelling. The developer should consider clustered design for the ground source component. That way, several homes could share the ground source wells and cut expenses for drilling. Additionally, homeowners could be engaged by the offering of a choice of upgrade packages with options for solar water heating, gray water collection, and water conserving fixtures. A combination of these options could make this project recognized internationally as a "net-zero" water neighborhood model.

This design submission is elegant in its incorporation of LID features, and it does respond quite well to the fabric of the area's neighborhood context. It has created enhanced market value for the sites, particularly those on the North side of the development. However, this juror would have preferred to see more of a response to the surrounding neighbors. The applicant could have made the decision to either remove the retaining wall to the South or at least modify it so each of the lots has direct access to the

Total Points Accumulated: __81__ out of 100

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street. By keeping the wall, it has almost made the design a “gated community” isolating the homeowners from interaction with their neighbors. Although the wall has historical significance, it serves as a barrier to the existing neighbors. It would have been a bold move to remove the wall. The materials could have been reused on site in some fashion to conserve materials.

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

___9__ 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?

___8__ of 10 points
 - Minimize the use of and/or reduce the size of pipe and other centralized control and treatment infrastructure?

__9__ 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?

__9__ 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?

___9__ 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?

___8__ of 10 points
- How well does this site correctly identify current codes that prohibit the construction or implementation of your prescribed LID techniques?

___9__ 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?

___8__ of 10 points
- How well do the team’s submitted materials address grammar, editing, appearance, and verbiage ?

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___5___ 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?

___7___ of 10 points

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