

## **Low Impact Development Methods Worksheet for Residential Infill Special Permits**

The following calculation worksheet is to be completed prior to the filing of an application for a special use permit for residential district infill developments (Div. 8). Infill Special Use Permits are authorized by Chapter 34 of the Charlottesville City Code and may only be implemented within the city's infill SUP district. The calculations on this sheet must be verified by a city engineer prior to requesting an infill SUP. A minimum score of 10 points is required in order to apply for the infill SUP.

An infill SUP provides a density bonus of 50 percent. Once 10 points have been obtained, a bonus of up to 2 units per acre may be allowed for scores of 13 points or higher. For more information on measures listed and related design criteria please refer to the City of Charlottesville's Stormwater Guidance Manual, Chapter 10 of the City Code, Article III and the Charlottesville Stream Buffer Mitigation Manual for the Water Protection Ordinance. Both documents are available from NDS and on the city's website.

Updated: July 17, 2006

**Project Name:** \_\_\_\_\_

<b>LID Checklist Points</b>	<b>LID Measure</b>	<b>Total Points</b>
5 points or 1 point for each 18% of the total acreage	Compensatory Plantings (see city buffer mitigation manual). 90% of restorable stream buffers restored.	
7 points or 1 point for each 7% of parking and driveway surface area	Pervious pavers for parking and driveways with stone reservoir for storage of 0.5 inches of rainfall per impervious drainage area. Surface area must be >1,000 ft. <sup>2</sup> or ≥ 50% of the total parking and driveway surface area.	
5 points or 1 point for each 6% of parking surface area eliminated.	Shared parking (must have legally binding agreement) that eliminates > 30% of on-site parking required.	
8 points	Impervious Disconnection. Follow design manual specifications to ensure adequate capture of roof runoff. (e.g. cisterns, dry wells, rain gardens).	
8 points or 1 point for each 10% of site treated.	Bioretention. Percent of site treated must exceed 80%. Biofilter surface area must be ≥ 5% of impervious drainage area.	
8 points or 1 point for each 10% of lots treated	Rain gardens. All lots, rain garden surface area for each lot ≥ 200 ft. <sup>2</sup> .	
8 points or 1 point for each 10% of site treated	Designed/constructed swales. Percent of site treated must exceed 80%, achieve non-erosive velocities, and able to convey peak discharge from 10-year storm.	
8 points or 1 point for each 10% of site treated	Manufactured sand filters, filter vaults (must provide filtering rather than just hydrodynamic). Percent of site treated must exceed 80%. Sizing and volume for water quality treatment based on manufacturer's criteria.	
8 points	Green rooftop to treat ≥ 50% of roof area.	
TBD, not to exceed 8 points	Other LID practices as approved by NDS engineer.	
5 points	Off-site contribution to project in city's water quality management plan. This measure to be considered when on site constraints (space, environmentally sensitive areas, hazards) limit application of LID measures. Requires preapproval by NDS director.	
<b>TOTAL POINTS (must equal 10 or more)</b>		

Submitted by: \_\_\_\_\_  
(Name of applicant)

Approved by: \_\_\_\_\_ (date) \_\_\_\_\_  
(City Engineer)