

DISCONNECTED IMPERVIOUS SURFACE (DIS) SCM DESIGN CHECKLIST

**Stormwater Management Division
c/o Development Services Department**
One Exchange Plaza, 4th Floor
Raleigh, NC 27601
Telephone (919) 996-3773

I. PROJECT INFORMATION

Project Name: _____ Phase: _____
 Project Address: _____ Disturbed Area (sf): _____
 PIN: _____ Case #: _____ Submittal Date: _____
 Previous Permit numbers (if applicable): _____
 Zoning District: _____
 Legal Name of Owner: _____
 Owner Contact: _____ Phone: _____
 Owner Address: _____
 Design Contact Person: _____ Phone: _____
 Design Contact Email: _____
 The regulatory drainage basin in which the site is located: _____
 The water supply watershed in which the site is located: _____

| Function of Facility [check all that apply]: | |
|--|-------------------------------------|
| <input type="checkbox"/> | Nutrient (Total Nitrogen) Reduction |
| <input type="checkbox"/> | Green Stormwater Infrastructure |
| <input type="checkbox"/> | TSS Reduction |
| <input type="checkbox"/> | Peak Flow Rate Attenuation |
| <input type="checkbox"/> | 1-Year event |
| <input type="checkbox"/> | 10-Year event |
| <input type="checkbox"/> | 100-Year event |
| <input type="checkbox"/> | Other [_____] |
| <input type="checkbox"/> | Other [_____] |

DISCONNECTED IMPERVIOUS SURFACE (DIS) SCM DESIGN CHECKLIST

- II. **SUBMITTAL REQUIREMENTS** - See COR Stormwater Management Design Manual Chapter 5 for additional guidance. This completed checklist shall be submitted to the City of Raleigh with any proposed Disconnected Impervious Surface (DIS). All files shall also be submitted electronically via CD or flash drive.

| Routed flows and water surface elevations (WSE) at SCM [as applicable]: | | | |
|---|--------|---------|-----------|
| Storm Event | Inflow | Outflow | WSE |
| 1-Year | | | |
| 10-Year | | | |
| 100-Year | | | |
| ____-Year | | | |
| Peak flow rates at immediate point of analysis to which the SCM drains: | | | |
| Condition | 1-year | 10-year | ____-year |
| Pre-development | | | |
| Post-development | | | |

| General Design Criteria | |
|--------------------------|---|
| <input type="checkbox"/> | Clean Out After Construction: SCM impacted by sedimentation and erosion control during the construction phase shall be cleaned out and converted to its approved design state. |
| <input type="checkbox"/> | Maintenance Access: SCM has been provided with adequate access per City standards. |
| <input type="checkbox"/> | Easements (except for SCMs located on single family residential lots): Includes maintenance access, entire SCM footprint, and an additional 10 ft or more around the SCM. |
| <input type="checkbox"/> | Single Family Residential Lots: Plats for residential lots that contain an SCM shall include the location of SCM, typical detail of SCM, and note that the SCM on the property is required to meet stormwater regulations and that the property owner may be subject to enforcement actions if the SCM is removed, relocated, or altered without prior approval. |
| <input type="checkbox"/> | Operation and Maintenance (O&M) Agreement. |
| <input type="checkbox"/> | Operation and Maintenance (O&M) Plan. |
| <input type="checkbox"/> | <i>Operation and Maintenance (O&M) Manual Submittal Checklist.</i> |

DISCONNECTED IMPERVIOUS SURFACE (DIS) SCM DESIGN CHECKLIST

| Specific Disconnected Impervious Surface (DIS) Design Criteria | |
|--|--|
| <input type="checkbox"/> | Disconnected Roofs: The vegetated receiving area for disconnected roofs has been designed for a maximum of 500 square feet of roof area and is a rectangular shape. |
| <input type="checkbox"/> | Roof Area: sf |
| <input type="checkbox"/> | Vegetated Receiving Area Dimensions: sf |
| <input type="checkbox"/> | The downspout has been equipped with a splash pad. |
| <input type="checkbox"/> | The vegetated receiving area does not include any built-upon area. |
| <input type="checkbox"/> | Disconnected Pavement: The vegetated receiving area for disconnected pavement has been designed for a maximum of 100 linear feet in the direction of flow and is a minimum of 10 ft long. |
| <input type="checkbox"/> | Pavement Area: lf |
| <input type="checkbox"/> | Vegetated Receiving Area Dimensions: sf |
| <input type="checkbox"/> | The vegetated receiving area does not include any built-upon area except for incidental areas. |
| <input type="checkbox"/> | Vegetated Receiving Area Specifications: The following specifications have been met for both disconnected roof and disconnected pavement areas. |
| <input type="checkbox"/> | Vegetated receiving areas have a uniform transverse slope of 8% or less (or 15% or less for HSG A soils). |
| <input type="checkbox"/> | The pH, compaction, and other attributes for the first 8 inches of the soil are adequate to promote plant establishment and growth. |
| <input type="checkbox"/> | The vegetated receiving area is planted with a non-clumping, deep-rooted grass. |
| <input type="checkbox"/> | Soils will be stabilized with temporary means or the runoff will be directed elsewhere until permanent vegetative cover has established. |
| <input type="checkbox"/> | Outfall: The outfall is a minimum of 10 feet from the property line. |

| The SCM Plan Submittal Shall Also Include the Following Elements: | |
|---|--|
| <input type="checkbox"/> | A plan view of the SCM, with grading and appropriate critical spot shots, inlet and outlet structures, and outfall areas, has been provided. |
| <input type="checkbox"/> | Details of other required SCM elements have been provided. |
| <input type="checkbox"/> | All supporting design calculations (including all applicable site design calculations and drainage area exhibits) have been provided. |

DISCONNECTED IMPERVIOUS SURFACE (DIS) SCM DESIGN CHECKLIST

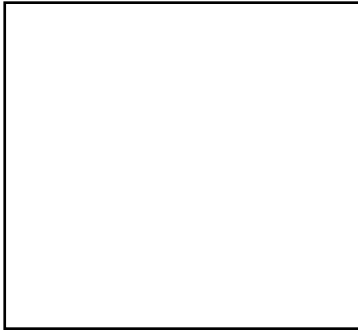
III. PROFESSIONAL CERTIFICATION

Name: _____

Contact Email: _____

Contact Phone Number: _____

Professional Seal:



FOR REVIEW ONLY