GREEN STORMWATER INFRASTRUCTURE (GSI) SUBMITTAL 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: ___________________________

II. SUBMITTAL REQUIREMENTS – This checklist is intended to assist with the submittal of plans utilizing green stormwater infrastructure to comply with nutrient loading regulations, and should accompany either an Overall Large or Overall Small Site Development Checklist. This completed checklist shall be submitted to the City of Raleigh with any project utilizing GSI. All files shall also be submitted electronically via CD or flash drive.

<table>
<thead>
<tr>
<th>Voluntary Initiatives Available When Utilizing GSI Onsite</th>
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<tbody>
<tr>
<td>The City of Raleigh encourages the use of Green Stormwater Infrastructure as a best practice for stormwater management. More information on the benefits of GSI, as well as City initiatives and opportunities to incorporate GSI on your site may be found at <a href="http://RaleighNC.gov">RaleighNC.gov</a>. Please indicate whether you have or intend to pursue any of the following:</td>
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<tr>
<td>☑️ Green Raleigh Review</td>
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<tr>
<td>☐ Scoping Meeting Case Number: SCOPE-_________________________</td>
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<tr>
<td>☐ Public-private partnership to install GSI in the City Right of Way – approved on a case-by-case basis</td>
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</tbody>
</table>
**Nutrient Loading Compliance**

**Applicable to:**
- all large site developments which add any new impervious areas and choose to utilize GSI
- all development in Falls Lake or Swift Creek which exceeds 24% built area and is required to use GSI

**Note:** All large sites subject to active stormwater control must also show compliance with rate control requirements. Appropriately designed GSI is only deemed compliant for nutrient loading rate regulations within the Neuse River Basin or Water Supply Watersheds.

- Soils report from site visit provided. Report includes the associated seasonal high water table (SHWT) elevations in addition to depths, as well as a map of the boring locations with the existing elevations and boring logs. When infiltration is proposed for SCMs, the report also includes the soil type, expected infiltration rate, and the method of determining the infiltration rate.
  - Rate of Infiltration: _______________ in/hr

- Volume Matching Calculations provided for the 90\(^{th}\) percentile storm

- Sealed Storm-EZ calculations provided, including all inputs and results. Post-development runoff volume does not exceed pre-development runoff volume:
  - Pre-Development Runoff Volume: ____________ cf
  - Post-Development Runoff Volume: ____________ cf

  Storm-EZ calculations shall be provided with hard copies, .pdf files of each sheet, as well as the original excel file used.

- New Development: Entire site was modeled as forested in the pre-development condition in Storm-EZ

- Redevelopment: All impervious area added as part of the redevelopment was modeled as forested in the predevelopment condition in Storm-EZ

- Sealed calculations from an approved Nutrient Sensitive Waters methodology (Method 1, Method 2, Apportioning Method) provided for purposes of recordkeeping and reporting. Refer to NCDEQ Memo for more information.

- Pre- and Post- Development nutrient loading exhibits provided for project site

- Stormwater Control Measure(s) Proposed (Y/N): ____________
  - Include all appropriate Stormwater Control Measure (SCM) Design Submittal Checklist for each proposed measure.

- Stormwater Development Analysis provided, including all relevant compliance and SCM calculations. Include Stormwater Development Analysis (SDA) Submittal Checklist.
### The GSI Plan Submittal Shall Also Include the Following Elements:

<table>
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<th></th>
<th>Description</th>
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<tr>
<td>☐</td>
<td>A plan view of the relevant SCM(s), with grading and appropriate critical spot shots, has been provided.</td>
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<tr>
<td>☐</td>
<td>A profile (showing all relevant component elevations and WSEs) through all outlet structure(s)/outfall(s) has been provided.</td>
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<tr>
<td>☐</td>
<td>Details of other required SCM elements have been provided.</td>
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<tr>
<td>☐</td>
<td>All supporting design calculations (including all applicable site design calculations and drainage area exhibits) have been provided.</td>
</tr>
</tbody>
</table>

### III. PROFESSIONAL CERTIFICATION

Name: ___________________________________________________________

Contact Email: ___________________________________________________

Contact Phone Number: _____________________________________________

Professional Seal: _______________________________________________