**Bioretention As-Built Checklist**

<table>
<thead>
<tr>
<th>Description</th>
<th>Design</th>
<th>As-Built</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Percent Impervious</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Drainage Area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Water Quality Volume</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Bioretention Surface Area (ft²)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Type and Width of pretreatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Elevations of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a Bottom of planting soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b Top of planting soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c Top of mulch layer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d Inlet of overflow / bypass structure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Ponding depth (Maximum 1')</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Runoff volume captured (ft³)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Underdrain System Specifications:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a Size &amp; type of perforated pipe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b Number of branch lines &amp; spacing width</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c Invert elevation of underdrain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d Invert elevation of outflow pipe at outlet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Planting Soil (attach soil test report):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a Planting soil depth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b Percentage clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c Percentage sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d Percentage organic material</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e Percentage silt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f Soil pH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 Planting Specifications (include planting plan):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a Planting density (plants/acre)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b Number and type of trees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c Number and type of shrubs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d Number and type of herbaceous species</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e If grass, sod type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 Maintenance schedule provided? (Y/N)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 Engineer's certification on as-builts (Y/N)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Bioretention As-Built Checklist

Project: __________________________________________  Date: _______________

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<tbody>
<tr>
<td>20</td>
<td>Maintenance agreement Intake Form submitted to City Attorney (Y/N)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Maintenance easement metes &amp; bounds &amp; plat submitted to City Attorney (Y/N)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Marked up as-built drawing included (Y/N)</td>
<td></td>
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</tr>
</tbody>
</table>

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## ENGINEER'S CERTIFICATION OF STORMWATER CONTROL COMPLETION

I certify that, pursuant to generally accepted engineering standards in the community, it is my professional opinion that the stormwater control(s) labeled as _________________ has been completed in conformance with the plans and specifications approved on ____________, has its full design volume available, and is functioning as designed and complies with the requirements of 15A NCAC 2H.1000.

P.E. SEAL:

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SIGNATURE: ________________________________  DATE: ________________

Printed Name: ________________________________
Phone Number: ________________________________
Email Address: ________________________________