Appendix K

Certification Forms
Engineer of Record Certification

Project Name: ____________________________________________

Project Address: __________________________________________

Engineer’s Name: __________________________________________

Engineering Firm’s Name: __________________________________

Street Address: _______________ City: _______________ State: _____ Zip: _____

Phone: ______________________ Fax: ______________________ Email: ______________________

The undersigned Registered Professional Engineer of Record certifies that the Stormwater Management Report and Plans submitted herewith entitled:

__________________________________________________________________________

__________________________________________________________________________

Stormwater Management Report Last Revision Date: ________________

Number of Plan Sheets: ________________ Last Revision Date: ________________


Engineer’s Signature ___________________________ Date ______________________

____________________________________
Engineer’s Seal
STORMWATER MANAGEMENT STANDARDS – DRAINAGE REPORT EXEMPTION

Project Name ____________________________________________________________

Project Address ________________________________________________________

Project Lot Number(s) __________________________________________________

Property Owner(s) ______________________________________________________

Tax Account Number(s) ___________________ Zone(s) ____________________ Lot Area ______________

1. Check all that apply to the proposed project:
   □ This is a new development or redevelopment project,
   □ The project will result in an increased amount of stormwater runoff and/or water pollutants flowing from a parcel of land (prior to the application of stormwater Best Management Practices),
   □ The project will alter the drainage characteristics of a parcel of land (prior to the application of stormwater Best Management Practices).

**Categorical Exemptions:**

2. Does the proposed project meet one of the following categorical exemptions? Check all that apply:
   □ Normal maintenance and improvement of land in agricultural use (as defined by Connecticut General Statutes), provided such activity conforms to acceptable management practices for pollution control approved by the Connecticut Department of Energy and Environmental Protection and the Greenwich Inland Wetlands and Watercourses Commission. This exemption does not apply to construction activities that are not directly related to the farming or agricultural operation.
   □ Routine maintenance of existing landscaping, gardens (excluding structural modifications to stormwater BMPs including rain gardens) or lawn areas including those maintained by the Town of Greenwich Parks and Recreation Department and Board of Education.
   □ Resurfacing of an existing impervious area on a non-residential lot such as repaving an existing parking lot or drive with no increase in impervious cover.
   □ Routine maintenance to existing town roads that is performed to maintain the original width, line, grade, hydraulic capacity, or original purpose of the roadway.
   □ Customary cemetery management.
   □ Emergency repairs to any stormwater management facility or practice that poses a threat to public health or safety, or as deemed necessary by the approving authority.
   □ Any emergency activity that is immediately necessary for the protection of life, property, or the environment, as determined by the approving authority.
   □ Repair of an existing septic system.
   □ Construction of utilities (gas, water, electric, telephone, etc.), other than drainage, which will not permanently alter terrain, ground cover, or drainage patterns.
   □ Repair or replacement of an existing roof of a single-family dwelling.
   □ Construction of a second (or higher) floor addition on an existing building.
   □ Construction of a maximum 12 foot x 12 foot shed. The construction must include the installation of a 1 foot wide x 1 foot deep crushed stone trench along the sides of the shed that discharge the roof runoff.
   □ The repair of an existing wood, composite, or plastic deck with no proposed enlargement of the deck surface.
☐ The reconstruction or construction of a wood, composite, or plastic deck with the decking boards spaced at least 3/16 of an inch and a pervious surface below the deck. The pervious area below the deck must have the soil tilled 12 to 16 inches and finished with grass seed, sod, or crushed stone. The minimum depth for the crushed stone is 4 inches. A site plan showing the proposed location of the deck and construction details for the deck must be submitted.

☐ The construction of any fence that will not alter existing terrain or drainage patterns.

If so, the Greenwich Stormwater Management Standards shall not apply, and submittal of a Stormwater Management Report is not required. However, application of the standards is still strongly encouraged.

OWNERS’ CERTIFICATION

Owners’ Name ____________________________________________

Street Address __________________________ City __________ State __ Zip________

Phone ______________________________ FAX __________________________

Owners’ Signature ___________________________ Date ______________

CONTRACTOR'S CERTIFICATION

Company Name ______________________________________________

Street Address __________________________ City __________ State __ Zip________

Phone ______________________________ FAX __________________________

Contractor’s Signature ___________________________ Date ______________
Conditional Exemptions Requiring Certification from a Professional Engineer:

3. For projects adding up to 500 square feet of impervious surfaces:
   The project design, including the proposed drainage design, if any, will not have an adverse effect on offsite properties or offsite drainage infrastructure, as certified by a professional engineer.
   At least one of the following measures shall be implemented on the project site to help mitigate the effects of site disturbance and new impervious surfaces within its on site watershed and point of concern:
   - Disconnection of roof down spouts that meet the Simple Disconnection standards in the Town of Greenwich Drainage Manual February 2012 as amended
   - A zero increase in peak flow to all points of concern for the 1, 2, 5, 10, and 25-year design storms
   - The runoff volume from the new impervious surfaces shall be infiltrated for the 10-year design storm
   - Constructing a bioretention area for the Water Quality Volume of the contributing watershed of the project area.
     The design standards in the Town of Greenwich Drainage Manual February 2012 as amended must be met
   - Creating a buffer with a length greater than or equal to the length of the project area and a minimum width of 10 feet planted as a meadow
   - Restoring a riparian buffer (may require IWWA permit)

For projects that meet the above criteria, the project proponent shall submit Pages 1, 2, 3, 5, and 8 of this exemption request form and all computations and any additional drainage documents (Soil Evaluation Test Results, Watershed Maps, Etc.), in lieu of a Stormwater Management Report. The application of the Greenwich Stormwater Management Standards is still strongly encouraged.

For projects that meet the above criteria, the project proponent needs to submit construction plans as required on the Checklist for Projects Submitting a Stormwater Management Standards – Drainage Report Exemption – Form CL-101.

For projects that meet the above criteria, the project proponent needs to submit the items on the Checklist for Operations and Maintenance Plan Report – Form CL-104.

For projects that meet the above criteria, the project proponent needs to submit the Certificate of Occupancy documents on the Checklist for Projects Submitting a Stormwater Management Standards – Drainage Report Exemption – Form CL-101.

Residential teardowns are not exempt unless the project meets the Conditional Residential Teardown Exemption Requirements.

Commercial teardowns are not exempt.

PROFESSIONAL ENGINEER

Company Name ______________________________________________________

Street Address ________________________________ City _____________________State ____ Zip_________

Phone _____________________________________________ FAX ___________________________________

Professional Engineer’s Name ________________________________
Conditional Exemptions Requiring Certification from a Professional Engineer:

4. For projects adding between 500 and 1,000 square feet of impervious surfaces:

   The project design, including the proposed drainage design, if any, will not have an adverse effect on offsite properties or offsite drainage infrastructure, as certified by a professional engineer.

   At least one of the following measures shall be implemented on the project site to help mitigate the effects of site disturbance and new impervious surfaces within its on site watershed and point of concern:

   - Disconnection of roof down spouts that meet the Simple Disconnection standards in the Town of Greenwich Drainage Manual February 2012 as amended
   - A zero increase in peak flow to all points of concern for the 1, 2, 5, 10, and 25-year design storms
   - The runoff volume from the new impervious surfaces shall be infiltrated for the 10-year design storm
   - Constructing a bioretention area for the Water Quality Volume of the contributing watershed of the project area. The design standards in the Town of Greenwich Drainage Manual February 2012 as amended must be met
   - Creating a buffer with a length greater than or equal to the length of the project area and a minimum width of 10 feet planted as a meadow
   - Restoring a riparian buffer (may require IWWA permit)

   At least one of the following measures shall be implemented on the project site using LID or conventional stormwater BMPs to help mitigate the effects of site disturbance and new impervious surfaces:

   - A zero increase in peak flow to all points of concern for the 1, 2, 5, 10, and 25-year design storms
   - The runoff volume from the new impervious surfaces shall be infiltrated for the 10-year design storm

For projects that meet the above criteria, the project proponent shall submit Pages 1, 2, 4, 5, and 8 of this exemption request form and all computations and any additional drainage documents (Soil Evaluation Test Results, Watershed Maps, Etc.), in lieu of a Stormwater Management Report. The application of the Greenwich Stormwater Management Standards is still strongly encouraged.

For projects that meet the above criteria, the project proponent needs to submit construction plans as required on the Checklist for Projects Submitting a Stormwater Management Standards – Drainage Report Exemption – Form CL-101.

For projects that meet the above criteria, the project proponent needs to submit the items on the Checklist for Operations and Maintenance Plan Report – Form CL-104.

For projects that meet the above criteria, the project proponent needs to submit the Certificate of Occupancy documents on the Checklist for Projects Submitting a Stormwater Management Standards – Drainage Report Exemption – Form CL-101.

Residential teardowns are not exempt unless the project meets the Conditional Residential Teardown Exemption Requirements. Commercial teardowns are not exempt.

PROFESSIONAL ENGINEER

Company Name ____________________________

Street Address ________________________________ City _____________________State ____ Zip__________

Phone _____________________________________________ FAX ___________________________________

Professional Engineer’s Name ________________________________________________________________
PROFESSIONAL – EXEMPTION CERTIFICATION

I hereby declare that the proposed project will add the following amount of impervious surfaces to the project site (check the box that applies):

☐ 0 to 500 square feet (conditionally exempt with Professional Engineer’s Certification)
☐ 500 to 1,000 square feet (conditionally exempt with Professional Engineer’s Certification)

It is my professional opinion that the project design, including the proposed drainage system, if any, will not have an adverse effect on offsite properties or offsite drainage infrastructure.

I further declare that at least one of the following measures shall be implemented on the project site to help mitigate the effects of site disturbance and new impervious cover for 0 to 1,000 square feet (check all that apply):

☐ Disconnection of roof down spouts that meet the Simple Disconnection standards in the Town of Greenwich Drainage Manual February 2012 as amended
☐ A zero increase in peak flow to all points of concern for the 1, 2, 5, 10, and 25-year design storms
☐ The runoff volume from the new impervious surfaces shall be infiltrated for the 10-year design storm
☐ Constructing a bioretention area for the Water Quality Volume of the contributing watershed of the project area. The design standards in the Town of Greenwich Drainage Manual February 2012 as amended must be met
☐ Creating a buffer with a length greater than or equal to the length of the project area and a minimum width of 10 feet planted as a meadow
☐ Restoring a riparian buffer (may require IWWA permit)

I further declare that at least one of the following measures shall be implemented on the project site to help mitigate the effects of site disturbance and new impervious cover for 500 to 1,000 square feet (check all that apply)

☐ A zero increase in peak flow to all points of concern for the 1, 2, 5, 10, and 25-year design storms
☐ The runoff volume from the new impervious surfaces shall be infiltrated for the 10-year design storm

Professional Engineer’s Signature ____________________________ Date ________________
Conditional Residential Teardown Exemption Requiring Certification by a Professional Engineer:

5. For residential teardowns that reconstruct where the impervious surfaces within each point of concern is less than or equal to pre-development conditions and the peak flow and runoff volume for the 1, 2, 5, 10, 25, 50, and 100-Year Storms has a zero increase to all points of concern the following must be submitted:

A Stormwater Management Report must be submitted with the following included:
1. Project Narrative
2. Site Inventory & Evaluation
   a. Topography
   b. Soil Evaluation (Soil Evaluation Test Results (Form SC-101) Shall Be Used)
      i. Initial Feasibility Evaluation (NRCS Web Soil Survey and similar sources of information)
      ii. Concept Design Testing (test pits/borings and saturated hydraulic conductivity testing, as per Appendix B)
3. Evaluate Pre-Development Site Hydrology to all points of concern (Runoff Volume and Peak Flow Rate – 1, 2, 5, 10, 25, 50 and 100-Year Storms)
   a. Watershed Map Pre-Development
   b. NRCS Runoff Curve Numbers Pre-Development
   c. Time of Concentration Pre-Development
4. Evaluate Post-Development Site Hydrology to all points of concern (Runoff Volume and Peak Flow Rate – 1, 2, 5, 10, 25, 50 and 100-Year Storms)
   a. Watershed Map Post-Development
   b. NRCS Runoff Curve Numbers Post-Development
   c. Time of Concentration Post-Development
5. Peak Runoff to all points of concern must have a zero increase for the 1, 2, 5, 10, 25, 50, and 100-Year Storms
6. Runoff volume to all points of concern must have a zero increase for the 1, 2, 5, 10, 25, 50, and 100-Year Storms
7. Compare & Summarize Pre- & Post Development Site Hydrology for peak flow and runoff volume to all points of concern
8. Conveyance Protection: 10, 25, 50 & 100-Year Depending on Peak Flow Rate for Downstream Stormwater Facilities
9. Outlet Protection Calculations – Based on Conveyance Protection
10. Emergency Outlet Sizing: Safely Pass the 100-Year
11. Supporting Documents
12. Sealed and Signed By a Professional Engineer

For projects that meet the above criteria, the project proponent shall submit Pages 1, 2, 6, 7, and 8 of this exemption request form and a Stormwater Management Report. The application of the Greenwich Stormwater Management Standards is still strongly encouraged.

For projects that meet the above criteria, the project proponent needs to submit plans which include all items on the:
1. Checklist for Construction Plans – Form CL-102
2. Checklist for Driveway Profile and Sight Distance Plan – Form CL-103

For projects that meet the above criteria, the project proponent must submit an Operations and Maintenance Plan Report. The Operations and Maintenance Plan must be submitted following the Checklist for Operations & Maintenance Plan Report CL-104.

For projects that meet the above criteria, the project proponent needs to submit the items on the Checklist for Certificate of Occupancy – Form CL-105 with the request for Certificate of Occupancy. The Improvement Location Survey must include the items on the Checklist for Improvement Locations Survey Depicting ‘As-Built’ Conditions CL-106.

The use of this exemption removes any future additional construction on the property from using the Conditional Exemption regardless of ownership changes.
PROFESSIONAL ENGINEER

Company Name ___________________________________________

Street Address ___________________________ City __________ State _____ Zip_________

Phone ___________________________ FAX ___________________________

Professional Engineer’s Name ___________________________________________

PROFESSIONAL – RESIDENTIAL “teardown” EXEMPTION CERTIFICATION

I hereby declare that the proposed project will not have an increase in impervious surfaces and a zero increase in peak flow and runoff volume to all points of concern for the 1, 2, 5, 10, 25, 50, and 100-Year Storms.

It is my professional opinion that the project design, including the proposed drainage system, if any, will not have an adverse effect on offsite properties or offsite drainage infrastructure.

I further declare that the Required Stormwater Management Report and plans shall be implemented on the project site.

Professional Engineer’s Signature ___________________________ Date ________________

______________________________________________
Professional Engineer’s Seal
IMPERVIOUS AREA WORKSHEET

This worksheet shall be used to quantify impervious surfaces\(^1\) associated with existing and proposed construction on your site. Please complete columns 1, 2, and 3 below listing the first floor or ground level square footage of each existing or proposed structure or site amenity. Each point of concern shall use a separate worksheet.

<table>
<thead>
<tr>
<th>POINT OF CONCERN</th>
<th>(1) Existing Conditions Impervious Surfaces (sq ft)</th>
<th>(2) Proposed Conditions Impervious Surfaces (sq ft)</th>
<th>(3) Proposed New Impervious Surfaces (sq ft) [Column 2 minus column 1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>House/Buildings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveways</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sidewalks/Paths</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swimming Pool</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Patios</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tennis Court/Sport Court</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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\(^1\) Refer to the glossary in the Town of Greenwich Drainage Manual for a definition of “impervious surface.”
# SOIL EVALUATION TEST RESULTS

**Project Name:**

**Engineering Firm's Name:**

**Project Address:**

**Engineer's Name:**

<table>
<thead>
<tr>
<th>Test Pit or Soil Boring #:</th>
<th>Ground Elevation:</th>
<th>Depth Range in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevation</td>
<td>Soil Texture (Percent Sand, Silt and Clay)</td>
<td></td>
</tr>
<tr>
<td>Elevation</td>
<td>Mottling (Seasonally High Groundwater)</td>
<td>Depth in Inches</td>
</tr>
<tr>
<td>Elevation</td>
<td>Groundwater</td>
<td></td>
</tr>
<tr>
<td>Elevation</td>
<td>Ledge</td>
<td></td>
</tr>
</tbody>
</table>

**Saturated Hydraulic Conductivity Test Location #:**

- **Ground Elevation:**
- **Top Elevation of Proposed Infiltration System:**
- **Bottom Elevation of Proposed Infiltration System:**
- **Elevation of Test***:

**Test Method (check one of the following acceptable methods**):
- Borehole infiltration test (NHDES, 2008)
- Guelph permeameter - ASTM D5126-90 Method
- Falling head permeameter – ASTM D5126-90 Method
- Double ring permeameter or infiltrometer - ASTM D3385-03, D5093-02, D5126-90 Methods
- Amoozemeter or Amoozegar (constant head) permeameter – Amoozegar 1992

Attach field data forms for the respective infiltration test method.

**Calculated Saturated Hydraulic Conductivity Rate:**

**Elevation**

**Mottling (Seasonally High Groundwater)**

**Groundwater**

**Ledge**

*All test pits or soil borings shall be excavated to an elevation four feet below the proposed bottom elevation of the infiltration system.*

---

**TEST CERTIFICATION**

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS REPORT IS TRUE AND CORRECT.

__________________________  ____________________________  _________
Name of Test Conductor      Signature of Test Conductor      Date

**A percolation test, performed in accordance with the guidelines of the Connecticut State Health Code or otherwise, is not an acceptable test for saturated hydraulic conductivity. Percolation tests overestimate the saturated hydraulic conductivity rate.**

**All field infiltration tests must be conducted in the actual location and soil layer where stormwater infiltration is proposed.**

---

Form SC-101

February 2012
Town of Greenwich  
Department of Public Works – Engineering Division  
Town Hall – 101 Field Point Road, Greenwich, CT 06830  
Phone 203-622-7767 – Fax 203-622-7747

Site Inspection Certification Sign-Off

Project Name:  
Project Address:  
Engineer’s Name:  
Engineering Firm’s Name:  
Street Address:  
City:  
State:   
Zip:   
Phone:  
Fax:  
Email:  
I hereby declare that on-site inspection of the project, while in progress, was provided under my supervision and that the drainage system and site work, including construction of sidewalk, curb, driveway, roads, handicap ramp, and all other related work except retaining walls, have been completed in accordance with the approved plans entitled  
                     dated  
and revised  .  The Improvement Location Survey depicting “As-Built” conditions and entitled  
                     dated  and revised  has been included for the Engineering Division records.  
Attach Field Inspection Record form. Any additional information shall be added below. 

Engineer’s Signature  
Date   

Engineer’s Seal

Form SC-102  
February 2012
Drainage Certification Sign-Off

Project Name: ____________________________________________

Project Address: __________________________________________

Engineer’s Name: __________________________________________

Engineering Firm’s Name: ___________________________________

Street Address: __________________________ City: __________ State: ______ Zip: ______

Phone: __________________________ Fax: __________________________ Email: __________________________

I hereby declare that the drainage system has been designed according to the Town of Greenwich Drainage Manual, as amended. Based on our Stormwater Management Report, Field Inspections, Field Inspection Records, and the Improvement Location Survey depicting “As-Built” conditions and entitled _______________ dated _______________

and revised _______________. It is our professional opinion that the drainage system as designed and constructed will not have an adverse effect on offsite properties or offsite drainage infrastructure.

_________________________________________ Date _______________

Engineer’s Signature

_________________________________________

Engineer’s Seal
BioRetention Certification Sign-Off

Project Name: 

Project Address: 

Engineer’s Name: 

Engineering Firm’s Name: 

Street Address: City: State: Zip: 

Phone: Fax: Email: 

I hereby declare that the soil mix for all bioretention systems proposed for the project site has been tested and meets the bioretention soil mix specifications contained in the Bioretention Guidance of the Town of Greenwich Drainage Manual, as amended. Furthermore, for pre-mixed bioretention soils available from vendors, the soil has been approved by the Town as meeting the bioretention soil mix specifications contained in the Bioretention Guidance of the Town of Greenwich Drainage Manual, as amended. Copies of the soil test results are attached to this certification. 

I hereby declare that, during installation all bioretention systems proposed for the project site have been inspected and constructed in accordance with the requirements contained in the Bioretention Guidance of the Town of Greenwich Drainage Manual, as amended. Furthermore, the bioretention systems function as designed. 

_____________________________  _________________________
Engineer’s Signature  Date

_____________________________
Engineer’s Seal
### FIELD INSPECTION RECORD

<table>
<thead>
<tr>
<th>Inspection Number</th>
<th>Inspection Type</th>
<th>Inspection Date</th>
<th>Inspector’s Name</th>
<th>Attached Photos</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E&amp;S Controls at start of construction</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>2</td>
<td>Protection and/or installation of each non-structural LID BMP</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>3</td>
<td>Soils verification for each detention/retention/structural LID BMP</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>4</td>
<td>Amended soils verification for each BMP</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>5</td>
<td>Each detention/retention/structural LID BMP during construction</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>6</td>
<td>Each detention/retention/structural LID BMP prior to backfilling/completion</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>7</td>
<td>Each detention/retention/structural LID BMP at completion</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>8</td>
<td>Final site inspection throughout site</td>
<td></td>
<td></td>
<td>Required</td>
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</table>

#### Routine Inspections

<table>
<thead>
<tr>
<th>Inspection Number</th>
<th>Inspection Type</th>
<th>Inspection Date</th>
<th>Inspector’s Name</th>
<th>Attached Photos</th>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>E&amp;S Controls (within 24 hours of the end of a storm with a rainfall of 0.5 inch or greater)</td>
<td></td>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>10</td>
<td>E&amp;S Controls (within 24 hours of the end of a storm with a rainfall of 0.5 inch or greater)</td>
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<td>Required</td>
</tr>
<tr>
<td>11</td>
<td>E&amp;S Controls (within 24 hours of the end of a storm with a rainfall of 0.5 inch or greater)</td>
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<td></td>
<td>Required</td>
</tr>
<tr>
<td>12</td>
<td>E&amp;S Controls (within 24 hours of the end of a storm with a rainfall of 0.5 inch or greater)</td>
<td></td>
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<td>Required</td>
</tr>
</tbody>
</table>

Engineer’s Signature ___________________________ Date ___________________________
**DIRECTLY CONNECTED IMPERVIOUS AREA (DCIA) CERTIFICATION**

**PRE-CONSTRUCTION**

Property Address: ________________________________  Tax Account No.: ________________

Building Permit No.: ________________

**PLANS & DRAINAGE SUMMARY REPORT INFORMATION**

Engineering Firm: ________________________________

Design Plans Date: ________________  Drainage Report Date: ________________

**PROPERTY INFORMATION FOR DIRECTLY CONNECTED IMPERVIOUS AREA (DCIA)**

<table>
<thead>
<tr>
<th>Total Property Area (SF)¹</th>
<th>Total Proposed Site Disturbance Area (SF)²</th>
</tr>
</thead>
<tbody>
<tr>
<td>________________________</td>
<td>________________________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Impervious Area Under Existing Conditions (SF)³</th>
<th>Total Impervious Area Under Proposed Conditions (SF)³</th>
<th>Total Disconnected Impervious Area Under Proposed Conditions (SF)⁴</th>
<th>Total Directly Connected Impervious Area Under Proposed Conditions (SF)⁵</th>
</tr>
</thead>
<tbody>
<tr>
<td>________________________</td>
<td>________________________</td>
<td>________________________</td>
<td>________________________</td>
</tr>
</tbody>
</table>

¹ The entire property area (i.e. parcel/lot area) based on property address and tax account number.

² The entire area being disturbed for the proposed construction activity (foundations, buildings, houses, stormwater systems, septic systems, pools, patios, accessory structures, vegetative soil cover modifications, etc.). The project disturbance area (delineated with construction/silt fence) shall be depicted on the design, construction, and mitigation plans, and shall be installed on-site prior to commencing land disturbance activities.

³ Impervious surfaces include but are not limited to roofs (including green roofs), buildings, houses, walks, patios, walls, tennis/sport courts (all surface types must be counted), landscape ponds, pools, paved streets/drives/parking areas constructed with concrete, asphalt, compacted dirt, gravel, or permeable pavements.

⁴ All impervious surfaces that are directed to stormwater BMPs that meet the water quality volume (WQV) standard will be considered disconnected impervious cover. Acceptable stormwater BMPs are Bioretention (infiltrating/filtering), Constructed Stormwater Wetlands, Extended Dry Detention Basins (infiltration required), Gravel Wetlands, Constructed Wet Stormwater Ponds, Sand/Organic Filters (sand filters, tree filters, stormwater planters, etc.), Infiltration Systems (drywells, Cultec, etc.), Permeable Pavement Areas (infiltrating/filtering), Green Roofs, and Disconnected Impervious Area (must meet all the standards under Simple Disconnection on page 44 and 45 of the Drainage Manual).

⁵ Subtract the Total Disconnected Impervious Area Under Proposed Conditions (SF) from the Total Impervious Area Under Proposed Conditions (SF).

Engineer’s Signature ________________________________  Date ________________  ________________________________

Engineer’s Seal
DIRECTLY CONNECTED IMPERVIOUS AREA (DCIA) CERTIFICATION
POST-CONSTRUCTION

Property Address: ________________________________ Tax Account No.: ________________

Building Permit No.: ________________

PLANS & DRAINAGE SUMMARY REPORT INFORMATION

Surveying Firm: ________________________________ Engineering Firm: ________________________________

Improvement Location Survey Date: ________________ Drainage Report Date: ________________

PROPERTY INFORMATION FOR DIRECTLY CONNECTED IMPERVIOUS AREA (DCIA)

Total Property Area
(SF)¹

<table>
<thead>
<tr>
<th>Total Impervious Area</th>
<th>Total Impervious Area</th>
<th>Total Disconnected Impervious Area</th>
<th>Total Directly Connected Impervious Area</th>
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<tbody>
<tr>
<td>Under Proposed Conditions (SF)³</td>
<td>Under As-Built Conditions (SF)³</td>
<td>Under As-Built Conditions (SF)⁴</td>
<td>Under As-Built Conditions (SF)⁵</td>
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<td>________________</td>
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</tbody>
</table>

¹ The entire property area (i.e. parcel/lot area) based on property address and tax account number.

² The entire area being disturbed for the proposed construction activity (foundations, buildings, houses, stormwater systems, septic systems, pools, patios, accessory structures, vegetative soil cover modifications, etc.). The project disturbance area (delineated with construction/silt fence) shall be depicted on the design, construction, and mitigation plans, and shall be installed on-site prior to commencing land disturbance activities.

³ Impervious surfaces include but are not limited to roofs (including green roofs), buildings, houses, walks, patios, walls, tennis/sport courts (all surface types must be counted), landscape ponds, pools, paved streets/drives/parking areas constructed with concrete, asphalt, compacted dirt, gravel, or permeable pavements.

⁴ All impervious surfaces that are directed to stormwater BMPs that meet the water quality volume (WQV) standard will be considered disconnected impervious cover. Acceptable stormwater BMPs are Bioretention (infiltrating/filtering), Constructed Stormwater Wetlands, Extended Dry Detention Basins (infiltration required), Gravel Wetlands, Constructed Wet Stormwater Ponds, Sand/Organic Filters (sand filters, tree filters, stormwater planters, etc.), Infiltration Systems (drywells, Cultecs, etc.), Permeable Pavement Areas (infiltrating/filtering), Green Roofs, and Disconnected Impervious Area (must meet all the standards under Simple Disconnection on page 44 and 45 of the Drainage Manual).

⁵ Subtract the Total Disconnected Impervious Area Under As-Built Conditions (SF) from the Total Impervious Area Under As-Built Conditions (SF).

Engineer’s Signature ________________________________ Date ____________________________

Engineer’s Seal

Form SC-108 June 2019