



**WAKE COUNTY STORMWATER CHECKLIST**

Under County ordinance, most new development is required to obtain a stormwater permit. A stormwater management plan is designed to protect downstream water resources and property owners from water pollution, flooding and other damage caused by urban runoff after a development is complete. This checklist shows what information needs to be provided and what issues need to be addressed when preparing a stormwater management plan. All items listed may not be applicable to each site, nor is the list all-inclusive. It is meant to serve as a guide for the stormwater planner. County policy suggests a **Pre-Submittal Conference** prior to Preliminary Plan Submission.

**Note:** Curve number worksheets are not required for non-residential projects.

\_\_\_\_\_ **Stormwater Plan Review Fee**  
 \_\_\_\_\_ **Flood Study Fee**  
 \_\_\_\_\_ **Stormwater Permit Fee**

**Preliminary Plan Submittal.**

**Delineate and Label On Map (1"=equals no more than 100') & Drawings**

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|  | North arrow, graphic scale, drafting version/date and designation of source documents for all map features   |
|  | Existing and proposed watershed, sub-watershed, and land use boundaries. <i>(contributing watersheds that extend beyond the site boundaries may be delineated on a separate map.)</i>            |
|  | Delineate any required Neuse Riparian Buffers and/or provide documentation of buffer reductions.   |
|  | Delineation of all proposed impervious surfaces, roads, well lots, recreation sites, including single family residences.   |
|  | Clearly delineate flood hazard boundaries, including FEMA series J maps and flood hazard soils. Differentiate between floodplain and open space. Indicate lots which will require flood permits. |
|  | Delineate all flood hazard soils and/or provide documentation of soils redelineations.   |
|  | Stormwater Design Tool Worksheets: Summary, Target CN, Preliminary Plan, Post development CN (residential only)  |
|  | Proposed stormwater discharge points <i>(where water leaves site by surface or subsurface flows).</i>  |
|  | Proposed drainage easements and widths <i>(in Feet).</i>   |
|  | Type, size location and cross-section of all proposed stormwater management conveyance systems <i>(grass swale, lined channel, storm culvert, etc.).</i>   |
|  | Location and type of all proposed stormwater management structures <i>(wet/dry detention basin, filtering/infiltration basin, bioretention, etc.).</i>   |
|  | Proposed access lanes and sediment disposal areas for future maintenance of stormwater management facilities.  |
|  | Indicate whether 401/404 permits are required and applied for.   |

**Construction Plan Submittal (in addition to preliminary list)**

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|  | Joint application for plan approval   |
|  | Plan narrative describing site drainage, stormwater management objectives, and how the proposed stormwater management plan will meet the objectives and be implemented.   |
|  | Complete set of Stormwater Design Worksheets (residential only)   |
|  | Pre/post development peak flows for the 1-yr, 2-yr, 10-yr., and 100-yr./24 hour storm events for all proposed stormwater discharge points from the site.  |
|  | Support data for all stormwater practice designs, such as drainage area boundaries, Tc/Tt values, inflow/outflow rates, stage/storage data, hydrographs, outlet designs, infiltration rates, water elevations, design output, summary, etc. |
|  | Show compliance with required setbacks from on-site systems and well sites  |
|  | Soil profile investigation data ( <i>color, texture, groundwater/bedrock depth, structure, etc.</i> ) extended at least 3 feet below the planned bottom elevation of any structure/component.   |
|  | Nitrogen Export Load Calculations   |
|  | Required flood study approvals  |
|  | Backwater easements   |
|  | Draft Stormwater Agreement  |
|  | Draft Maintenance Agreement   |
|  | Draft Deed Restrictions / Protective Covenants Proposal   |
|  | Draft As Built Plan or performance guarantee paperwork.   |
|  | Other hydraulic and hydrologic computations critical to the plan/designs.   |
|  | 401/404 approvals   |
|  | Impact assessment for discharges to wetlands.   |
|  | Planting and landscaping plans critical to the stormwater designs.  |
|  | Signature, Date And Professional Seal: for all Stormwater design management proposals, i.e. calculations, BMP designs, operations/maintenance/budget/as-built/inspections/manuals.  |

**Final Plat Submittal**

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|  | Table with impervious calculations  |
|  | Perpetuity statement (residential)  |
|  | Show impervious limit on each lot rounded to nearest whole number   |
|  | Asterisk lots requiring flood permits (residential)   |
|  | Show finished floor elevations as required  |
|  | Show required buffers, flood hazard areas, drainage easements, ...  |
|  | Show specific locations of permanent stormwater devices with maintenance easements; label as permanent stormwater detention and maintenance easement. |
|  | Show required statements in support of design calculations such as tree preservation areas and disconnected impervious.                               |
|  | Receipt for required NC EEP offset fee.   |
|  | Completed Stormwater Agreement  |
|  | Completed Maintenance Agreement   |
|  | Deed Restrictions / Protective Covenants Proposal   |
|  | As Built plans for stormwater devices (see as built checklist)  |
|  | Performance guarantee in lieu of as-built plans   |