



**GUILFORD COUNTY
PLANNING AND DEVELOPMENT**

***Erosion and Sediment
Control Plan Checklist***

Project: _____

Designer: _____

This checklist is provided to assist applications in the preparation of erosion control plans for review submittal to the Soil Erosion Control Section.

Please complete this checklist and include it with the initial submittal packet including:

- the Grading Permit Application,
- a signed and notarized Financial Responsibility/Ownership Form,
- a copy of the deed (or landowner consent document as is applicable), and
- the Erosion and Sediment Control plans.

Utilize the legend below to indicate for each checklist item as is appropriate.

| | |
|-----|---|
| √ | Provided |
| N/A | Not applicable or not required |
| TBD | To be determined and/or provided prior to grading permit issuance |
| UNK | Unknown at this time, must be verified prior to approval |

NPDES Construction Stormwater General Permit NCG01000

| | |
|--|---|
| | Designation of the 7- and 14-day ground stabilization requirement per Section II.E of the permit. |
| | Basins with drainage area of 1 acre or more shown to dewater from the surface per Section II.G.4 of the permit. |

Location Information

| | |
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| | Name of project |
| | Owner's name, address and phone number |
| | Vicinity map (1" = 2000' scale) |
| | Latitude and longitude of site, preferably at the construction entrance and in decimal degrees |
| | River basin identified |
| | Jordan or Randleman Lake Buffer Requirements shown |
| | Watershed identified with any additional requirements shown |
| | Tax map numbers |
| | Zoning of property |
| | Adjoining property owners |
| | Copy of most current deed |
| | Total acres in tract |
| | Disturbed acreage (to the nearest 1/10 th of an acre) |
| | Soil types and soil overlay sheet |
| | Existing and planned drainage patterns and areas |



| General Information | |
|---------------------|--|
| | Designer's seal (engineer, surveyor, architect) |
| | Designer's name, address, and phone number |
| | Project Narrative |
| | Detailed site and stage specific Construction Sequence, including, but not limited to, <ul style="list-style-type: none">• installation of initial measures prior to land-disturbing activities,• basin maintenance, including drawdown practices,• temporary and permanent stabilization,• removal of temporary measures after permanent stabilization is achieved, and, when applicable,<ul style="list-style-type: none">○ stream crossing installation, maintenance and removal,○ conversion of any permanent stormwater SCMs. |
| | Guilford County General Plan Notes |
| | NCG01 Supplemental Plan Sheets <ul style="list-style-type: none">• Ground Stabilization and Materials Handling• Inspection, Recordkeeping and Reporting |
| | Include information on Phase-dependent Self-Inspection Requirements |
| | Clearing and Grubbing Plan |
| | Off-site property encroachment requiring construction easement |

| Site Features | |
|---------------|--|
| | North arrow |
| | Graphic Scale |
| | Property lines clearly defined |
| | Existing and proposed contours shown and labeled |
| | Limits of disturbance visibly marked |
| | Existing buildings, roads, utilities, etc. shown and labeled |
| | Proposed buildings, roads, utilities (including associated off-site utilities and improvements), etc. shown and labeled |
| | Lots and/or buildings numbered |
| | Rock outcrops, seeps or springs shown and labeled |
| | Wetland area limits defined utilizing shading, hatching, etc. |
| | 100 – year floodplain limits and elevations shown and labeled |
| | Easements (drainage, water quality conservation, utility, access, etc.) shown and labeled |
| | Streams, lakes, ponds, drainage features and channels, etc. shown and labeled, with all applicable associated buffers |
| | Name and classification of receiving water course (where applicable to stormwater discharges) |
| | Borrow/waste area locations shown and labeled Note: Both onsite and offsite areas must be disclosed to the erosion control section. |
| | Soil stockpile locations |



| Sediment and Erosion Control Measures | |
|--|---|
| | <p>Legend reflecting proposed measures</p> <ul style="list-style-type: none"> • Include a symbol for each BMP reflected on the plan. • Provide consistent naming of BMPs throughout plan, legend, notes, sequences, specifications and standard details. |
| | <p>Temporary sediment control measures: locations, construction drawings and design</p> <ul style="list-style-type: none"> • Include applicable dimensions, especially for basins, traps, dissipator pads/outlet protection, and construction entrances. • Include a note in the construction sequence or elsewhere on plan that Guilford County Soil Erosion staff must grant approval before the removal of temporary measures. |
| | <p>Permanent erosion control measures: locations, construction drawings and design</p> <ul style="list-style-type: none"> • Include dimensions and specifications, especially for dissipator pads/outlet protection • Provide specifications for ditch liners and armoring |
| | Stormwater Network: inlets, culverts, swales, ditches, channels, drainage easements, etc. |
| | <p>Construction and maintenance details for all erosion and sediment control devices</p> <ul style="list-style-type: none"> • Standard details and specifications must be provided for all proposed ESC devices. • Include silt bag specifications, when anticipated as part of basin drawdown process for maintenance and/or conversion. • Utilize Guilford County and North Carolina compliant standard details and specifications. <ul style="list-style-type: none"> ◦ Guilford County Soil Erosion Control Section ◦ NCDEMLR E&SC Downloads ◦ NCDEMLR Erosion and Sediment Control Planning and Design Manual |
| | Construction entrance(s) |
| | Permanent and Temporary Seeding Schedules (including fertilizer, lime, mulch, seedbed preparation, etc.) |
| | Size, Type, and Invert Elevations of Culverts and Storm Sewers |
| | <p>Design Calculations</p> <ul style="list-style-type: none"> • Pre-construction runoff calculations for each outlet at peak discharge points • Peak discharges of runoff • Culverts, channels and storm sewers • Discharge and velocity calculations for open channels and ditch flows • Energy dissipators (avoid discharge points on fill slopes) • Sediment basins and traps, etc. |
| | Permanent and Temporary Liners for Channels and Ditches |
| | Cut and Fill Slopes 2:1 (Slopes steeper than 2:1 must be mechanically stabilized) |
| | Temporary Stream Crossings including associated BMPs, specifications and standard details. |
| | Street Profiles where applicable |



| Other Requirements | |
|--------------------|--|
| | Permit Application |
| | Financial Responsibility Form (Signed and Notarized) |
| | Grading Fee |
| | Surety |
| | <p>Watershed Section approval of the following plan submissions are required prior to the issuance of a Grading Permit by the Erosion Control Section:</p> <ul style="list-style-type: none">• Watershed Development Plan (low- and high-density projects)• Submit with Site Plan for commercial projects• Submit with Prelim Plat or Site CD for subdivisions• Buffer Authorization (when required)• Floodplain Development Permit (when required) <p>Contact Brent Gatlin, Watershed/Stormwater Engineer at kgatlin@guilfordcountync.gov for questions.</p> <p>Guilford County Watershed Section Forms</p> |
| | Fill in Drainage Easement (Channel Evaluation/ Design) |
| | NPDES Stormwater Permit Coverage documentation |
| | Floodplain Development Permit (No work in Floodplain) |
| | Permit and Flood Study Required (work in floodway) |
| | US Army Corps of Engineers Approval for 404 Permit (waters of the U.S.) |
| | NC DWQ 401 Permit Approval |

| Designer Information | |
|----------------------|--|
| Company | |
| Name | |
| Email | |
| Phone Number | |
| Date | |
| Signature | |