

# COUNTY OF BUNCOMBE

## CHECKLIST AND GUIDELINES FOR THE PREPARATION OF EROSION AND SEDIMENTATION CONTROL PLANS

FOR \_\_\_\_\_  
(Name of Project)

### THE FOLLOWING CHECKLIST IS TO BE COMPLETED AND SUBMITTED WITH ALL EROSION AND SEDIMENTATION CONTROL PLANS:

In completing this checklist please refer to Section 26-228 (f)

Each blank must be checked or marked Not Applicable (N/A) or yes/no and dated. Inaccurate or inadequate preparation of this form will result in, disapproval of the plan.

Date

\_\_\_\_\_ **CD (PDF Format) Plan, Financial Responsibility Ownership Form (Application) signed and notarized, checklist (signed) and calculations.**

\_\_\_\_\_ **Copy of the approved Stormwater plan, Approval letter and Permit.**

\_\_\_\_\_ Completed Financial Responsibility and Ownership Form (Application)

\_\_\_\_\_ Plan Review Fee (Based on disturbed acreage)

Lots in Subdivisions Subject to Sec. 70-68, Hillside	\$400.00 for 0.25 to <1 acre
All Properties, One Acre or Greater Disturbance	\$525.00/acre, prorated
Example: 1.125 acres disturbed x \$525.00 = 590.63	

Plan review fees shall be double the normal fee if the land disturbing activities begin prior to obtaining a permit.

\_\_\_\_\_ Two copies of the Erosion and Sedimentation Control Plan, showing the following:

### **Location Information**

\_\_\_\_\_ Project location

\_\_\_\_\_ Roads, street

\_\_\_\_\_ North arrow

\_\_\_\_\_ Scale

\_\_\_\_\_ Adjoining lakes, streams or other major drainage

\_\_\_\_\_ Adjoining property owners

## **General Site Features**

- \_\_\_\_\_ North arrow
- \_\_\_\_\_ Scale
- \_\_\_\_\_ Property Line
- \_\_\_\_\_ Legend
- \_\_\_\_\_ Existing contours
- \_\_\_\_\_ Limit and acreage of disturbed area (clearly designated).
- \_\_\_\_\_ Utilities (existing and purposed)
- \_\_\_\_\_ Planned and existing road locations and elevations
- \_\_\_\_\_ Lot and/or building numbers.
- \_\_\_\_\_ Land use of surrounding areas
- \_\_\_\_\_ Rock outcrops
- \_\_\_\_\_ Seeps or springs
- \_\_\_\_\_ Wetlands limits
- \_\_\_\_\_ Easements
- \_\_\_\_\_ Streams, lakes, ponds, drainage ways, dams
- \_\_\_\_\_ Trout waters
- \_\_\_\_\_ High Quality or Outstanding Resource Waters
- \_\_\_\_\_ Boundaries of the total tract.
- \_\_\_\_\_ Borrow and waste areas (If the same person conducts the land-disturbing activity and any related borrow or waste activity, the related borrow or waste activity shall constitute part of the land-disturbing activity unless the borrow or waste activity is regulated under the Mining Act of 1971, or is a landfill regulated by the Division of Solid Waste Management. If the land- disturbing activities are not conducted by the same person, they shall be considered separate land-disturbing activities.)
- \_\_\_\_\_ Access and all roads
- \_\_\_\_\_ Construction staging area
- \_\_\_\_\_ Stockpiled topsoil or subsoil location
- \_\_\_\_\_ Road / Street profiles

## **Site Drainage Features**

- \_\_\_\_\_ Existing and planned drainage patterns (include map of off-site areas that drain through project)
- \_\_\_\_\_ Size of Area to be disturbed (Acreage)
- \_\_\_\_\_ Size and location of culverts and sewers
- \_\_\_\_\_ Soil information (type, special characteristics)
- \_\_\_\_\_ Design calculations for peak discharges of runoff (including the construction phase and runoff coefficients of the site)
- \_\_\_\_\_ Design calculations and construction details for culverts and storm sewers
- \_\_\_\_\_ Design calculations cross-sections and method of stabilization of existing and planned channels (include temporary linings)
- \_\_\_\_\_ Design calculations and construction details of energy dissipaters below culvert and storm sewer outlets (for rip-rap aprons, include stone sizes (diameter and apron dimensions) (detention may be necessary to meet velocity reduction requirements)
- \_\_\_\_\_ Soil information below culvert storm outlets
- \_\_\_\_\_ Design calculations and construction details to control ground-water, i.e., seeps, high

water tables, etc

\_\_\_\_ Names of receiving watercourse or name of municipal operator (only where storm water discharges are to occur)

### **Erosion Control Measures**

\_\_\_\_ Legend

\_\_\_\_ Temporary and permanent Sedimentation and Erosion Control measures (locations and dimensions of gravel entrances, diversion ditches, silt fences, sediment traps (minimum volume 3600cubic feet) sediment basins, velocity dissipaters, ditch lining, retaining walls, etc.)

\_\_\_\_ Detailed drawings (section, elevations, and perspectives of measures sufficient for construction.)

\_\_\_\_ Construction drawing and details for temporary and permanent measures

\_\_\_\_ Design calculations for sediment basin and other measures

\_\_\_\_ Maintenance requirements during construction

\_\_\_\_ Person responsible for maintenance during construction

\_\_\_\_ Maintenance requirements and responsible person(s) of permanent measures

\_\_\_\_ Construction sequence (permits, installation of measures, inspections and approvals, maintained of measures, ground cover, and removal of measures after stabilization)

### **Vegetative Stabilization**

\_\_\_\_ Areas and acreage to be vegetative stabilized

\_\_\_\_ Planned vegetation with details of plant, seed, mulch, and fertilizer

\_\_\_\_ Specifications for permanent and temporary vegetation

\_\_\_\_ Method of soil preparation

**Note:** Should include provision for ground cover on exposed slopes within (21) calendar days of completion of any phase of grading, permanent ground cover for all disturbed Areas within (15) working days or (90) calendar days (whichever is shorter) following Completion of construction or development.

### **Other Requirements**

\_\_\_\_ Narrative describing construction sequence (as needed)

\_\_\_\_ Narrative describing the nature and purpose of the construction activity

\_\_\_\_ Bid specifications regarding erosion control

\_\_\_\_ Construction sequence related to sedimentation and erosion control (include installation of critical measures prior to initiation of the land-disturbing activity, and removal of measures after they serve have been permanently stabilized.)

\_\_\_\_ Corps of Engineers Permit

\_\_\_\_ Division of Water Quality contacted for regulated work

- \_\_\_ Flood Hazard areas located and contacted flood zone Administrator.
- \_\_\_ Division of Solid Waste contacted for regulated work
- \_\_\_ Watershed and watershed administrator contacted
- \_\_\_ Zoned and contacted Zoning Administrator
- \_\_\_ D.O.T permit, encroachment and culvert tie on (must reduce velocity prior to tie on.)
- \_\_\_ Statements (concerning approval to discharge stormwater or perform off-site construction work)
- \_\_\_ Dust Control, address
- \_\_\_ Underground Utilities. (Before you dig) call 1-800-632-4949 N.C. One Call
- \_\_\_ Wildlife comments and address on plan...

\_\_\_ The approval of an erosion plan is conditioned on the applicant's compliance with federal and state water quality laws, and rules. A copy of the erosion control plan for any land disturbing activity that involves the utilization of ditches for the purpose of dewatering and lowering the water table must be forwarded to the director of the division of water quality.

- \_\_\_ All design calculations shall be designed for the minimum **twenty five year** storm.
- \_\_\_ Plan designer must furnish a statement of an on site downstream evaluation for assessment of twenty-five year velocity impacts to adjoining property. Statement to include concerns, potential problems, possible solutions and additional measures temporary and permanent, your plan will address for downstream impact, and for a minimum one quarter mile ( Be advised that the county is not requiring you to enter adjoining property without permission. Utilize all available resources possible to assess impacts)
- \_\_\_ A minimum of a 10' undisturbed setback is required to adjoining property at all drainage outfalls.
- \_\_\_ Subdivision plan to include a 10' easement per-section 70:66, geotechnical engineer per-section 70:68, and average slope determination.)
- \_\_\_ An NPDES Permit will be issued with the Land-Disturbing Permit. Remit copies of rain information to this office once each month. (Can be mailed, E-mail etc.) Include person responsible for maintaining and supplying this information.

The Land Disturbing Permit will be issued once the Plan has been approved.

\_\_\_\_\_  
**SIGNATURE**

\_\_\_\_\_  
**DATE**

Revised August 1, 2006

**NOTE:** Please do not call about reviews. Plans are reviewed on a first come first serve basis with a maximum of twenty (20) days to approve or disapprove. (Revised plan fifteen (15) days.)