

HAYWOOD COUNTY EROSION CONTROL PROGRAM
(IN ACCORDANCE w/ NC DENR DLQ)

EROSION and SEDIMENTATION CONTROL PLAN PRELIMINARY REVIEW CHECKLIST

Project Name: _____

Physical Location/Address: _____

The following items shall be incorporated with respect to specific site conditions in an Erosion & Sedimentation Control Plan:

FINANCIAL RESPONSIBILITY/OWNERSHIP FORM

- _____ Two copies of Forms and Plan / Additional Information.
- _____ Completed, signed & notarized FR/O Form.
- _____ Accurate application fee payable to Haywood County (\$350.00 per acre rounded up to the next acre – Plan Review Fee).
- _____ An Additional 10% of the total fee will be charged for any land-disturbing activity in areas of the county that may impact classified trout waters.
- _____ Certificate of assumed name, if the owner is a partnership.
- _____ Name of Registered Agent (if applicable)
- _____ Copy of the most current Deed for the site. Please make sure the deed(s) and ownership information are consistent between the plan sheets, local records and this form.
- _____ Provide latitude and longitude (in decimal degrees) at the project entrance.

NOTE: Plan review fees shall be doubled the normal fee amount when land-disturbing activity begins before a Land-Disturbing Permit is obtained from the County.

NOTE: A Pre-Construction Conference is required.

LOCATION INFORMATION

- _____ Project location & labeled vicinity map (roads, streets, landmarks).
- _____ North arrow and scale.
- _____ Identify Water Body/Stream Classification for the project.

GENERAL SITE FEATURES (Plan elements)

- _____ Property lines and ownership ID for all adjoining properties.
- _____ Existing contours (topographic lines).
- _____ Proposed contours.
- _____ Limits of all disturbed areas (provide acreage total, delineate limits, and label). Be sure to include all access to measures; lots that will be disturbed, drives, and utilities that may extend offsite.
- _____ Planned and existing building locations and elevations.
- _____ Planned & existing road locations & elevations, including temporary access roads.
- _____ Lot and/or building numbers, septic areas and landscape areas.
- _____ Hydrogeologic features: rock outcrops, seeps, springs, wetlands and their limits, streams, lakes, ponds, dams, etc. (include all required local or state buffer zones and any DWQ Riparian Buffer determinations).
- _____ Easements and drainageways, particularly required for offsite affected areas. Include copies of any recorded easements and/or agreements with adjoining property owners.
- _____ Profiles of streets, utilities, ditch lines, etc.

- _____ Stockpiled topsoil or subsoil locations showing control measures.
- _____ If the same person conducts the land-disturbing activity & 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 Waste Management. If the land-disturbing activity and any related borrow or waste activity are not conducted by the same person, they shall be considered separate land-disturbing activities and must be permitted either through the Sedimentation Pollution Control Act as a one-use borrow site or through the Mining Act.
- _____ Location and details associated with any onsite stone crushing or other processing of material excavated. If the affected area associated with excavation, processing, and transport of such materials will comprise one (1) or more acres, and materials will be leaving the development tract, a mining permit will be required.
- _____ Required Army Corps 404 permit and Water Quality 401 certification (e.g. stream disturbances, culverts in streams, etc.).

EROSION & SEDIMENT CONTROL MEASURES (on plan)

- _____ Legend (provide appropriate symbols for all measures and reference them to the construction details).
- _____ Location of temporary measures.
- _____ Location of permanent measures.
- _____ Construction drawings and details for temporary and permanent measures. Show measures to scale on plan and include proposed contours where necessary. Ensure design storage requirements are maintained through all phases of construction.
- _____ Maintenance requirements for measures.
- _____ Contact person responsible for maintenance.
- _____ Maintenance regulations and responsible person(s) of permanent measures.

SITE DRAINAGE FEATURES

- _____ Existing and planned drainage patterns (include off-site areas that drain through project and address temporary and permanent conveyance of stormwater over/through graded slopes and fills).
- _____ Method used to determine acreage of land being disturbed and drainage areas to all proposed measures (e.g. delineation map).
- _____ Size, pipe material and location of culverts and sewers.
- _____ Soil information: type, special characteristics.
- _____ Soil information below culvert storm outlets.
- _____ Name and classification of receiving water course or name of municipal operator (only where stormwater discharges are to occur).

STORMWATER CALCULATIONS

- _____ Pre-construction runoff calculations for each outlet from the site (at peak discharge points). Be sure to provide all supporting data for the computation methods used (rainfall data for required storm events, time of concentration/storm duration, and runoff coefficients).
- _____ Design calculations for peak discharges of runoff (including the construction phase & the final runoff coefficients for the site).
- _____ Design calcs for culverts and storm sewers (include HW, TW and outlet velocities).
- _____ Discharge and velocity calculations for open channel and ditch flows (easement & rights-of-way).
- _____ Design calcs for cross sections and method of stabilization for existing and planned channels (include temporary linings). Include appropriate permissible velocity and/or shear stress data.
- _____ Design calcs and construction details for energy dissipaters below culvert and storm sewer outlets (include stone/material specs & apron dimensions). Avoid discharges on fill slopes.
- _____ Design calcs and dimension of sediment basins (note current surface area and dewatering standards as well as diversion of runoff to the basins). Be sure that all surface drains, including ditches and berms, will have positive drainage to the basins.

VEGETATIVE STABILIZATION

- _____ Area & acreage to be stabilized with vegetation.
- _____ Method of soil preparation.
- _____ Seed type & rates (temporary & permanent).
- _____ Fertilizer type and rates.
- _____ Mulch type and rates (include mulch anchoring methods to be used).

NOTE: Plan should include provisions for groundcover on exposed slopes within 21 calendar days following completion of any phase of grading; permanent groundcover for all disturbed areas within 15 working days or 90 calendar days (whichever is shorter) following completion of construction or development.

NARRATIVE AND CONSTRUCTION SEQUENCE

- _____ Narrative describing the nature & purpose of the construction activity.
- _____ Construction sequence related to erosion and sediment control (including installation of critical measures prior to the initiation of the land-disturbing activity & removal of measures after areas they serve are permanently stabilized). Address all phases of construction and necessary practices associated with temporary stream bypasses and/or crossings.
- _____ Bid specifications related only to erosion control.

TROUT BUFFER ZONES AND HQW AREAS

- _____ Delineate minimum trout buffer zones.

NOTE: State law requires that unnamed tributaries to DEM classified "trout waters" have the same protection as those streams to which they are tributary. High Quality Water zones have differing ground cover rules and a size-of-disturbed-area restriction.