



IREDELL COUNTY DEPARTMENT OF PLANNING AND ZONING EROSION CONTROL SECTION

EROSION and SEDIMENTATION CONTROL PLAN PRELIMINARY REVIEW CHECKLIST

The following items shall be incorporated with respect to specific site conditions, in an erosion & sediment control plan:
If the Site is in the City limits a letter from the City stating your plan meets their Guidelines.

LOCATION INFORMATION

- _____ Project location (roads, streets, landmarks)
- _____ North arrow and scale

GENERAL SITE FEATURES (Plan elements)

- _____ Legend: North arrow, scale, etc.
- _____ Property lines
- _____ Existing contours (topographic lines)
- _____ Proposed contours
- _____ Limits of disturbed area (provide acreage total, delineate limits, and label)
- _____ Planned and existing building locations and elevations
- _____ Planned & existing road locations & elevations
- _____ Lot and/or building numbers
- _____ Geologic features: rock outcrops, seeps, springs, wetland and their limits, streams, lakes, ponds, dams, etc.
- _____ Easements and drainage ways
- _____ Profiles of streets, utilities, ditch lines, etc.
- _____ Stockpiled topsoil or subsoil locations
- _____ 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 thru the Sedimentation Pollution Control Act as a one-use borrow site or through the Mining Act.
- _____ Required Army Corps 404 permit and Water Quality 401 certification (e.g. stream disturbances over 150 linear feet)

EROSION CONTROL MEASURES (on plan)

- _____ Legend
- _____ Location of temporary measures
- _____ Location of permanent measures
- _____ Construction drawings and details for temporary and permanent measures
- _____ Maintenance requirements of measures
- _____ Contact person responsible for maintenance

SITE DRAINAGE FEATURES

- _____ Existing and planned drainage patterns (include off-site areas that drain through project)
- _____ Method of determination of and calculations for Acreage of land being disturbed
- _____ Size 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)
- _____ Design calculations for peak discharges of runoff (including the construction phase & the final runoff coefficients of the site)
- _____ Design calcs of culverts and storm sewers
- _____ Discharge and velocity calculations for open channel and ditch flows (easement & right-of-ways)
- _____ Design calcs of cross sections and method of stabilization of existing and planned channels (include temporary linings)
- _____ Design calcs and construction details of energy dissipators below culvert and storm sewer outlets (diameters & apron dimensions)
- _____ Design calcs and dimension of sediment basins
- _____ Surface area and settling efficiency information for proposed sediment traps and/or basins

VEGETATIVE STABILIZATION

- _____ Area & acreage to be vegetatively stabilized
- _____ Method of soil preparation
- _____ Seed type & rates (temporary & permanent)
- _____ Fertilizer type and rates
- _____ Mulch type and rates

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.*

FINANCIAL RESPONSIBILITY/OWNERSHIP FORM

- _____ Completed, signed & notarized FR/O Form
- _____ Accurate application fee (See Fee Schedule)
- _____ 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

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)
- _____ Bid specifications related only to erosion control