EROSION and SEDIMENTATION CONTROL PLAN PRELIMINARY REVIEW CHECKLIST

The following items shall be incorporated with respect to specific site conditions, in an erosion & sedimentation control plan:

NPDES Construction Stormwater General Permit NCG010000

_____ Designation on the plans where the 7 or 14 day ground stabilization requirements apply per Section II.B.2 of the permit.
_____ Design of basins with one acre or more of drainage area for surface withdrawal as per Section II.B.4 of the permit.

LOCATION INFORMATION

_____ Project location & labeled vicinity map (roads, streets, landmarks)
_____ North arrow and scale
_____ Identify River Basin.
_____ Provide a copy of site located on applicable USGS quadrangle and NRCS Soils maps if it is in a River Basin with Riparian Buffer requirements.

GENERAL SITE FEATURES (Plan elements)

_____ Property lines & ownership ID for adjoining properties
_____ Existing contours (topographic lines)
_____ Proposed contours
_____ Limits of disturbed area (provide acreage total, delineate limits, and label). Be sure to include all access to measures, lots that will be disturbed, 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
_____ Hydrogeologic features: rock outcrops, seeps, springs, wetland 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
_____ 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, stockpiles and transport of such materials will comprise 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 over 150 linear feet)

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

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 graded slopes)
_____ 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 in accordance with NPDES Construction Stormwater General Permit NCG010000 and 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 payable to NCDENR ($65.00 per acre rounded up the next acre with no ceiling amount)
_____ 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 & longitude (in decimal degrees) at the project entrance.

NOTE: For the Express Permitting Option, inquire at the local Regional Office for availability.

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