

WAKE COUNTY SEDIMENTATION AND EROSION CONTROL CHECKLIST

PART A.

- _____ NAME OF PROJECT: _____
- _____ WAKE COUNTY CHECKLIST: (completed and signed).
- _____ REQUEST FOR PLAN APPROVAL: (FORM #101 completed and signed).
- _____ PRELIMINARY ZONING AND SUBDIVISION APPROVAL: Copy of approval notification (property description, subdivision or COSD approval, or Board of Adjustment approval, etc.).
- _____ ENGINEERING APPROVAL: Copy of approval notification for projects in a municipality's zoning jurisdiction (example: Fuquay-Varina, Garner, Knightdale, Morrisville, Rolesville, Wake Forest, Wendell, or Zebulon).
- _____ WAKE COUNTY FINANCIAL RESPONSIBILITY/OWNERSHIP FORM: (completed, signed and notarized).
- _____ FLOOD STUDY: Copy of approval notification from Wake County Flood & Stormwater Environmental Engineer, (if applicable).
- _____ PLAN REVIEW FEES: **\$250.00** per disturbed acre (rounded to the nearest dollar). **This fee is for two (2) years only from the initial date of submittal.**
- _____ SUBDIVISION REVIEW FEE: **\$275.00** fee is subject to Wake County Subdivision review, (see item #4 and #7 of Form #101).
- _____ THE APPROPRIATE NUMBER OF SETS OF PLANS
- _____ 1 SET OF CALCULATIONS

PART B.

- _____ THE APPROPRIATE COPIES OF THE SOIL EROSION CONTROL PLAN, INCLUDING:
- _____ LOCATION/VICINITY MAP: show project in relation to state road system. Show North arrow.
- _____ EXISTING AND PROPOSED CONTOURS: plan and profiles for roadways.
- _____ BOUNDARIES OF TOTAL TRACT: including project limits.
- _____ OFF/ON-SITE CONDITIONS: ownership, zoning, drainage areas work sheets and adjacent topography.
- _____ EASEMENTS, LOT LINES AND NUMBERS, ROAD NAMES, BUFFERS, WETLANDS LIMITS, STREAMS, PONDS AND LAKES: (for Ponds/Lakes specifying existing condition and any proposed improvements).
- _____ FLOODZONES: community panel number, basin and stream number, floodway/flood fringe with elevations floodway, RFPE's, FFE's, etc.
- _____ FLOOD HAZARD SOILS: limits as defined in the Wake County Zoning Regulations.
- _____ UTILITIES: community water and sewer, plan/profiles, easements and sediment controls.
- _____ BORROW AND SPOIL AREAS: located and specified on plan.
NOTE 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 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.
- _____ PROPOSED IMPROVEMENTS: roads, buildings, parking areas, grassed landscaped, and natural areas.
- _____ STORMWATER NETWORK: inlets, culverts, swales, ditches, channels and drainage easements.
- _____ DISTURBED AREAS: clearly delineated with acreage specified on plan.
- _____ USGS & Soil Survey of Wake County of Project for possible Neuse River Riparian Buffer Feature/ Streams.
- _____ TEMPORARY SEDIMENT CONTROLS: locations and dimensions of gravel entrances, diversion ditches, silt fences, sediment basins (sized for 1 year storage), etc.
- _____ PERMANENT EROSION CONTROLS: locations and dimensions of dissipaters, ditch linings, armoring, level spreaders, retaining walls, etc.
- _____ DETAIL DRAWINGS: sections, elevations, and perspectives of measures sufficient for construction as designed.
- _____ CONSTRUCTION SEQUENCE: outlining permits, installation of measures, inspections and

approvals in the construction process modified for site specific conditions.

____ SCALE, LEGEND, SIGNATURE , DATE AND PROFESSIONAL SEAL

____ NOTES: as necessary to spell out procedures to be followed

____ VEGATATIVE STABLIIZATION: seedbed preparation, soil amendments, seeding rates, etc.,

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

1 SET OF CALCULATIONS:

____ DESIGN CALCULATIONS FOR PEAK DISCHARGES OF RUNOFF: (preconstruction, construction and final phase discharges for the site up to and at the property line).

____ TEMPORARY DEVICES: sediment storage and Q10 capacity and dimensions.

____ DITCHES, SWALES AND CHANNELS: Q10/V10. Tractive forceshear stress, capacity and geometry.

____ DISSIPATERS: Q10 velocities, stone size and dimensions.

____ STORM CULVERTS AND INLETS: inlets, length, slope, Q100 and HW100 natural drainageways. Check via inlet/out control procedures for all drainageways > 4 acres. Q10 and HW 10 for all others.

OTHER REQUIREMENTS:

____ Neuse River Riparian Buffers - location, dimensions, specification for buffer protection in Neuse Drainage Basin.

____ R40W -80W ZONING locations, dimensions, details, calculations and specifications for watershed protection measures.

____ HIGHWAY DISTRICT ZONING locations, dimensions, details, calculations and specifications for retention/detention measures (sites with greater than 30% impervious surface).

____ ENCROACHMENT AGREEMENTS completed, signed and notarized for all off-site construction.

____ NARRATIVE DESCRIBING THE NATURE AND PURPOSE OF THE CONSTRUCTION

ACTIVITY: phasing, clearing and grubbing, special sequencing, experimental devices, etc.

____ NAME OF RECEIVING WATERCOURSE OR NAME OF MUNICIPAL OPERATOR: (only where stormwater system discharges are to occur).

SIGNATURE OF APPLICANT

DATE

OTHER RELATED REGULATORY REQUIREMENTS

***HIGH QUALITY WATER ZONES:** High Quality waters designated in Wake County include 1. Headwaters of Avents Creek to Harnett Co. line. 2. Headwater of Hector Creek to Harnett Co. line. 3. Smith Creek from Franklin Co. to dam at Wake Forest Reservoir and 4. Little River from Franklin Co. line below Moore's Pond to bridge at NC Highway 97 includes Perry Creek, Cedar Fork Creek, Fowlers Mill Creek (Penny Hill Lake), Big Branch, Hominy Creek, Rocky Branch (Big Canal), and Falls Branch (Rocky Branch). All proposed activities in these areas are subject to review by the Divisions of Environmental Management regarding regulations to implement additional stormwater controls and may require a permit prior to commencement. It is suggested that you contact Judy Garrett, Water Quality Supervisor, Raleigh Regional Office, 919/571-4700 for information regarding stormwater approval for these areas

***NPDES:** The Federal Clean Water Act requires that National Pollutant Discharge Elimination System (NPDES) Permits be applied for and obtained for discharges of stormwater runoff from construction activities disturbing one or more acres. A notice of Intent (NOI) form must be completed and mailed to the Division of Environmental Management after receipt of the County's approval of the Sedimentation and Erosion Control Plan. A blank NOI form, with all of the pertinent filling information should be included with your approved plans. Refer additional questions to Judy Garrett, Water Quality Supervisor, Raleigh Regional Office, 919/571-4700.

***WETLAND:** Any project having the possibility of wetlands (indicators being flood hazard soils, alluvial soils, wetland vegetation, and blueline streams, etc.) within it's boundaries should be investigated by the U.S. Army Corps of Engineers prior to any disturbance to determine the existence of wetlands and any requirements thereof. For information contact Eric Alsmeyer, Raleigh Field Office, U.S. Army Corps of Engineers, 919/876-8441 ext. 23.

***NEUSE RIVER RIPARIAN BUFFER RULE:** It should be noted that a rule to protect and maintain existing buffers along watercourses in the Neuse River Basin became effective on July 22, 1997. The Neuse River Riparian Area Protection and Maintenance Rule (15A NCAC 2B.0233) applies to all perennial and intermittent streams, lakes, ponds and estuaries in the Neuse River Basin with forest vegetation on the adjacent land or "riparian area". In riparian areas with existing forest vegetation in the first 30 feet directly adjacent to the stream, the rule prohibits land

disturbance, new development and fertilizer use within the first 50 feet of land next to the water. In riparian areas with forest vegetation that is less than 30 feet wide, the rule prohibits land disturbance, new development and fertilizer use within the area that contains forest vegetation (but not the entire 50 foot riparian area). For more information about this riparian area rule, please contact the Division of Water Quality's Wetland/401 Unit at 919-733-1786.