

SOIL EROSION AND SEDIMENTATION CONTROL CHECKLIST

REQUEST FOR PLAN APPROVAL

WATER RESOURCES

105-B UPCHURCH STREET

APEX, NORTH CAROLINA 27502

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PART A (check all items included)

- Name of Project: _____
- Soil Erosion and Sedimentation Control Checklist completed and signed
- Request for Plan Approval: One (1) copy completed and signed
- Preliminary Zoning and Subdivision Approval: One (1) copy of approved notification
- Apex Financial Responsibility/Ownership Form: Completed, signed, and notarized
- Permit Application Fees: \$500 per disturbed acre, no maximum (rounded to the nearest dollar)
_____ Acres Disturbed (Proposed, round to nearest 1/10) \$_____ Fee Amount
+ \$50 per disturbed acre for future development, no maximum (rounded to the nearest dollar)
_____ Acres Disturbed (Future, round to nearest 1/10) \$_____ Fee Amount
\$_____ Total Fee Amount
- One (1) Set of Sedimentation and Erosion Control Plans Including Details
- One (1) Full Set of the Construction Drawings
- One (1) Set of Calculations

PART B (check all items included)

One (1) Copy of Soil Erosion Control Plan, Including:

- Location Map (showing project in relation to State road system)
- Existing and Proposed Contours (plans and profiles for roadways)
- Boundaries of Total Tract (including project limits)
- Off-Site Conditions (ownership, zoning, drainage areas, and adjacent topography)
- Easements, Lot Lines/Numbers, Road Names, Buffers, Wetlands Limits, Streams, Ponds, and Lakes
- Flood Zones (community panel number, basin and stream number, flood fringe with elevations, flood way, RFPEs, etc.)
- Utilities (community water and sewer, plan/profiles, easements, and sediment controls)
- Borrow and Spoil Areas (located and specified on plan)
- Concrete Washout Area(s) (located and specified on plan)
- Proposed Improvements (roads, buildings, parking areas, grassed, landscaped, and natural areas)
- Stormwater Network (inlets, culverts, swales, ditches, channels, and drainage easements)
- Disturbed Area (clearly delineated with acreage specified on plan)
- Temporary Sediment Controls (locations and dimensions of gravel entrances, diversion ditches, silt fences, sediment basins, etc.)
- Permanent Erosion Controls (locations and dimensions of dissipaters, ditch linings, armoring, retaining walls, etc.)
- Detail Drawings (sections, elevations, and perspectives of measures sufficient for construction as designed)
- Construction Sequence (use Town Construction Sequence and modify as necessary)
- BMP Construction Sequence (to be followed once contributing drainage area is fully stabilized)
- Scale, Legend, Orientation, and Signature Seal
- Notes (as necessary to describe procedures to be followed)

- Specifications** (seedbed preparation, soil amendments, construction and seeding schedules, etc.)
- Indicate Watershed Protection Overlay District** [Primary or Secondary] (describe water quality protection methods)

One Set of Calculations, Including:

- Peak Discharge of Runoff** (pre-construction, construction, and final phase discharges for the site up to and at the property line)
- Temporary Devices** (sediment storage and Q25 capacity and dimensions)
- Ditches, Swales, and Channels** (Q25, V10, tractive force/shear stress, capacity, and geometry)
- Dissipaters** (Q10 velocities, stone size, and dimensions)
- Storm Culverts and Inlets** (inverts, length, slope, Q100 and HW100 in natural drainage ways; Q10 and HW10 for all others)

Other Requirements

- R40W-80W Zoning** (locations, dimension, details, calculations, and specifications for watershed protection measures)
- Narrative Describing the Nature and Purpose of Construction Activity** (phasing, clearing and grubbing, special sequencing, experimental devices, etc.)
- Name of Receiving Water** (only where stormwater system discharges are to occur)

Signature of Applicant

Date

PART C (Other Related Regulatory Requirements)

NPDES

The Federal Clean Water Act requires that National Pollutant Discharge Elimination System (NPDES) permits be obtained for discharges of stormwater runoff from construction activities disturbing one or more acres. In North Carolina, the NPDES stormwater discharge permit for construction activities is considered automatically effective once the NC Division of Land Resources or the delegated local program approves the Soil Erosion and Sedimentation Control Plan. Applicants will receive a copy of the permit once the Soil Erosion and Sedimentation Control Plan has been reviewed and a Letter of Plan Approval is issued. Should you have questions regarding NPDES permit, please contact Sara Knies, (DENR-Surface Water Protection) at (919) 791-4258.

Wetlands

Any project having the possibility of wetlands (indicators being flood hazard solid or alluvial soils, wetland vegetation, blue-line streams, etc.) within its 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 James Lastinger, Raleigh Field Office, U.S. Army Corps of Engineers, (919) 554-4884 ext. 32.