



## EROSION CONTROL CHECKLIST

This Erosion Control Plan Checklist shall accompany all plan submittals or the submittal shall be considered incomplete. Items not applicable should be marked "N.A." Refer to Town of Waxhaw Engineering, Standards and Procedures Manual, Title XV, Chapter 159, and NCDEQ Design Manual, latest edition. Prior to Erosion and Sedimentation Control Plan approval, all applicable plan submittals and approvals from the Department of Development Services shall be obtained, including but not limited to watershed, roadway and storm drainage, Town and State driveway permits and encroachments. All plans must be submitted concurrently with the erosion control plans.

\_\_\_\_\_ Maximum plan sheet size is 24"x 36".

\_\_\_\_\_ Show a north arrow and vicinity map on the erosion control plan.

\_\_\_\_\_ Show a final grading plan, if different from the erosion control plan (2' contours).

\_\_\_\_\_ The maximum scale is 1" = 50'.

\_\_\_\_\_ Show all property lines and right-of-ways.

\_\_\_\_\_ Show sidewalks in accordance with the Town of Waxhaw Engineering, Standards and Procedures Manual.

\_\_\_\_\_ Show a legend. Call out each measure on the plan. The legend symbols and plan should match.

\_\_\_\_\_ Show water and sewer erosion control measures on erosion control plan. Show the size and location of existing and proposed storm and sewer structures.

\_\_\_\_\_ Show existing and proposed (2 foot or 1 foot) contours.

\_\_\_\_\_ Show denuded areas (outline in BOLD on plans and note denuded acreage on plans).

\_\_\_\_\_ Show planned and existing buildings locations and FFE.

\_\_\_\_\_ Show planned and existing roads locations, elevations and profiles.

\_\_\_\_\_ Show lot and/or building numbers.

\_\_\_\_\_ Show seeps, springs, or wetland limits.

\_\_\_\_\_ Show all easement lines (gas, electric, water, sewer, drainage, etc.).

\_\_\_\_\_ Show boundaries of the total tract of land.

\_\_\_\_\_ Show borrow, waste areas, and stockpiled soil locations.



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- \_\_\_\_\_ Show existing and planned drainage areas including off-site areas that drain through the project area.
- \_\_\_\_\_ Indicate the size of drainage areas above drainage structures.
- \_\_\_\_\_ Show soil type(s) and special characteristics.
- \_\_\_\_\_ Show design calculations for peak discharges of runoff.
- \_\_\_\_\_ Show a watershed plan.
- \_\_\_\_\_ Show a storm drainage plan.
- \_\_\_\_\_ Show design calculations per the Town storm water design manual.
- \_\_\_\_\_ Show design calculations per the Town of Waxhaw Engineering, Standards and Procedures Manual, cross-sections and method of stabilization of existing and planned channels per the NCDEQ Design Manual, latest edition.
- \_\_\_\_\_ Show design and construction details of energy dissipaters below storm outlets including the size of stone used for rip rap per the NCDEQ Design Manual, latest edition.
- \_\_\_\_\_ Show design calculations and construction details to control groundwater per the NC DEQ Design Manual, latest edition.
- \_\_\_\_\_ Impervious Coverage:

Existing	_____	Parcel Area	_____
Proposed	_____	% Coverage	_____
- \_\_\_\_\_ NCDOT Driveway Permit and/or Town of Waxhaw Driveway Permit/Encroachments
- \_\_\_\_\_ Copies of written approvals from US Army Corps of Engineers and/or NC Dept. Environmental Quality and other applicable approvals.
- \_\_\_\_\_ Show all perennial and intermittent stream buffers and show widths. Add note requiring orange net fencing along all stream buffers.
- \_\_\_\_\_ The Developer must obtain the written permission of the adjacent property owner(s) for any off-site grading or construction prior to construction drawing approval.
- \_\_\_\_\_ Show the name of the first watercourse into which storm water leaving the site is tributary.
- \_\_\_\_\_ Show the location of all temporary and permanent erosion and sedimentation control measures.



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- \_\_\_\_\_ Show the location of all individual lot temporary and permanent erosion and sedimentation controls.
- \_\_\_\_\_ Show construction detail drawings for all temporary and permanent erosion and sedimentation control measures per the Town of Waxhaw Engineering, Standards and Procedures Manual.
- \_\_\_\_\_ Show all design calculations for sediment basins and sediment traps per the NCDEQ Design Manual, latest edition. Note: Minimum of 3 coir fiber baffles per the NCDEQ Design Manual.
- \_\_\_\_\_ Label basin contours. Tie into existing contours. Show basin dimensions and weir lengths on the plans.
- \_\_\_\_\_ Show wetland protection measures (Orange net fence).
- \_\_\_\_\_ Show temporary stream crossings (work along streams, lakes, ponds and wetlands) and details of how each will be stabilized.
- \_\_\_\_\_ Show maintenance requirements of temporary erosion and sedimentation control measures during construction.
- \_\_\_\_\_ Indicate the name and phone number of the person who is responsible for maintenance of temporary measures during construction on the plans.
- \_\_\_\_\_ Show maintenance requirements of permanent erosion and sedimentation control measures following construction.
- \_\_\_\_\_ Indicate the name and phone number of the person who is responsible for maintenance of permanent measures following construction on the plans.
- \_\_\_\_\_ Show all areas and acreage to be vegetatively stabilized.
- \_\_\_\_\_ Drainage area maps clearly and legibly depicts on-site and off-site areas (colored coded maps encouraged). All drainage area maps indicate project limits and are at a legible scale (1" = 100' minimum).
- \_\_\_\_\_ Show planned vegetation with details of plants, seed, mulch, and fertilizer. Include seeding requirement from the Town of Waxhaw Engineering, Standards and Procedures Manual.
- \_\_\_\_\_ Show specifications for permanent and temporary vegetation.
- \_\_\_\_\_ Indicate the specified method of soil preparation.
- \_\_\_\_\_ Attach the Financial Responsibility Form from the Town of Waxhaw Engineering, Standards and Procedures Manual. Include the deed(s), showing all property owners, for all properties



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included in the plan.

\_\_\_\_\_ Attach bid specifications regarding erosion and sedimentation control measures.

\_\_\_\_\_ Indicate setback for streams outside the designated floodplains – 30 feet on each side, as measured from the top of bank.

\_\_\_\_\_ Identify 100-year flood plain (old and, if needed, new) and base flood elevation.

\_\_\_\_\_ Show valves, hydrants, sanitary sewer lines, manholes, gas lines, valves, telephone, cable television, and electric lines and poles.

\_\_\_\_\_ Deviations from the Town of Waxhaw Engineering, Standards and Procedures Manual must be clearly noted on the plan. *(The Developer must request any deviation from the manual in writing along with justification for review and recommendation by Staff prior to plan review).* Modifications to the Town of Waxhaw standard details require that the Town's title block be removed from the detail.

\_\_\_\_\_ The following notes will be included on all plan sets:

1. If disturbing less than 1 acre, add this note: Ground cover on exposed slopes shall be applied within 14 working days following completion of any phase of grading. Permanent ground cover for all disturbed areas shall be applied within 15 working days or 60 calendar days, whichever is sooner. Slopes left exposed will, within 14 calendar days of completion of any phase of grading, be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion.
2. If disturbing 1 acre or more, add this note: As required by the NPDES General Permit NCG010000, all perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1) shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 7 calendar days from the last land disturbing activity. All other disturbed areas shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 14 calendar days from the last land disturbing activity. Ground stabilization timeframe exemptions can be found in the NPDES General Permit NCG010000 under Section 2.b. Ground Stabilization.
3. No land disturbing activity, except that which is required to install erosion control measures, may commence prior to approval by the Director of Development Services.
4. Additional erosion control measures may be required based upon specific site conditions.
5. Contact the Town of Waxhaw Development Services Department, at 704-843-2195, for a pre- construction meeting prior to any land disturbing activity.



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6. Remove all temporary erosion control devices and structures only after site is fully stabilized and approval has been obtained from the Town of Waxhaw Development Services Department.
7. All erosion control designs shall be in accordance with the Town of Waxhaw Engineering, Standards and Procedures Manual, and the NCDEQ Erosion and Sedimentation Control Planning and Design Manual, latest edition. Grading more than one acre without an approved Erosion Control Plan is a violation of the Town of Waxhaw Erosion and Sedimentation Control Ordinance.
8. For phased erosion control plans, the Contractor shall meet with the Erosion Control Specialist prior to commencing each phase of erosion control measures.
9. Projects disturbing 1 acre or more are no longer automatically covered under the General Stormwater Permit NCG01. Coverage must be obtained by filing an e-NOI application with NCDEQ after having received plan approval from the Town of Waxhaw. Any land disturbing activity greater than 1 acre requires compliance with all conditions of this general permit under the NPDES. Any noncompliance is a violation of the Clean Water Act and may require enforcement by NCDEQ.
10. Contractor is to keep streets clear of mud and other debris.
11. The Professional Engineer registered with the State of North Carolina who prepared the Erosion Control Plan is solely responsible for identification and location of all environmental wetlands, perennial and intermittent streams and buffers shown on the plans.
12. The Town of Waxhaw is not responsible for the accuracy and adequacy of the design, dimensions, and elevations, which shall be confirmed and correlated at the job site. The Town of Waxhaw, through the approval of this document, assumes no responsibility for the completeness and/or accuracy of this document.
13. Silt sacks will be placed to protect basins/inlets along roadways upon installation.
14. The financially responsible party/agent or the landowner/agent of a land disturbing activity > one acre is required to self-inspect the project. A self-inspection, as well as documentation of a project after each phase of the project, is required.

\_\_\_\_\_ Include scheduling notes and construction notes as well as all pertinent Erosion Control Details from the Town of Waxhaw Engineering, Standards and Procedures Manual on all plan sheets.

\_\_\_\_\_ Provide construction sequence notes as well as any additional notes necessary to describe the basic sequence of events on the site.



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- \_\_\_\_\_ NPDES General Stormwater Permit NG010000 requires plans to identify areas where the 7 and 14 day ground stabilization requirements will apply. Please show areas on erosion control plan by using hatching, labeling, or other similar conventions. Include the NCG01 Ground Stabilization and Material Handling Plan Sheet.
- \_\_\_\_\_ Include the NCG01 Inspection, Recordkeeping and Reporting Plan Sheet.
- \_\_\_\_\_ Submit Erosion Control Review Fee.
- \_\_\_\_\_ Driveway permit for construction entrances in NCDOT right-of-way must be presented at pre-construction meeting.