

Sedimentation & Erosion Control Submittal Checklist

The S&EC plan submittal package must include all applicable items below to demonstrate compliance with applicable regulations.

If item is applicable, provide with the submittal.

If item is not applicable, add a note indicating "N/A."

1. **FINANCIAL RESPONSIBILITY/OWNERSHIP FORM.** Must Be Notarized
2. **REVIEW FEES.** Plan review fees must be paid before plans will be approved. Additional permit fees will be due before issuance of the land disturbance permit.
3. **EROSION CONTROL NARRATIVE.** This information can be submitted via the "*Project Description*" question in the application. Briefly describe the purpose of the submission, including development name, phase, etc. For resubmittals, update the field to include any changes or revisions.
4. **PROPERTY DEED.** Upload the deed(s) for each applicable parcel demonstrating property ownership.
5. **OWNER CONSENT LETTER.** If the parcel(s) is still owned by a developer, not the entity conducting land disturbance activities, the developer must submit a notarized letter granting permission to conduct land disturbing activities.
6. **USGS QUAD MAP.** Include delineated project limits.
7. **WAKE COUNTY SOIL SURVEY MAP.** Include delineated project limits.
8. **DRAINAGE MAP.** Indicate drainage areas to erosion control devices.
9. **EROSION CONTROL CALCULATIONS.**
 1. Sediment basin design
 2. Ditches, swales, and channels: Q10/V10. Tractive force (shear stress), capacity, and geometry. Diversion ditches for 2-year storm.
 3. Dissipaters: Q10 velocities, stone size, and dimensions.
 4. Velocity calculations for stormwater runoff at points of discharge resulting from a 10-year storm after development.
10. **SITE PLAN.**
 1. Location/Vicinity Map
 2. North arrow, graphic scale, drafting version date, legend and professional seal
 3. Existing and proposed contours: plan and profiles for roadways
 4. Boundaries of tract: including project limits
 5. Limits of disturbance specified on plan
 6. Proposed improvements: roads, buildings, parking areas, grassed, landscaped, and natural areas.
 7. Lot lines, lot numbers and road names
 8. Utilities: water and sewer, plan/profiles, easements and sediment controls, and any offsite utilities
 9. Stormwater Network: inlets, culverts, swales, ditches, channels and drainage easements.
10. **TEMPORARY SEDIMENT CONTROLS:** locations and dimensions of gravel entrances, diversion ditches, silt fence, sediment basins, inlet protection, etc.
11. **PERMANENT EROSION CONTROLS:** locations and dimensions of dissipaters, ditch linings, armoring, level spreaders, retaining walls, etc.
12. Location and requirements for stockpiles
13. Town of Knightdale Construction Details
14. Wake County Sedimentation & Erosion Control Standard Details
15. Construction Sequence
16. Stabilization Guidelines
17. Basin Removal Sequence. Permission must be granted to convert the sediment basin over to stormwater use *prior* to completing any work (a note in the construction sequence or elsewhere on the plan should indicate this).
18. All riparian buffers.
19. Delineation of current FEMA boundaries (floodway, flood fringe, future/0.2%)
20. Delineation of flood prone soil areas
21. Location and type of all proposed stormwater management structures (grass swale, wet/dry detention basin, filtering/infiltration basin, bioretention, etc.)

11. **ADDITIONAL DOCUMENTS & APPROVALS.** If any of the following are applicable to your project, documentation will be required before the S&EC/Land Disturbance permit will be issued.

1. **401/404 Documentation**
2. **Stream Buffer Determination**
3. **NCDOT Driveway Encroachment Permit**
4. **Floodplain Development Permit**