

Checklist for Submission of Soil Erosion Plan Warren County Soil Conservation District

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Completed application form:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. Application form signed by owner/applicant
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. Agent responsible completed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. If job supervisor is not known, this can be provided at the pre-construction meeting.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. If applicant is a partnership or corporation, Articles of Incorporation or Partnership Principals must be provided. Include names, addresses, and home phone numbers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Appropriate Fees – see fee schedule at warrencountyscd.org
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Basin Summary Sheet(s)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. One complete set of plans:
			a. Soil erosion plan must be numbered sequentially with complete set.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Two copies of soil erosion plan sheets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. See WCSCD required notes at warrencountyscd.org .
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. SESC details (i.e., silt fence, hay bales, inlet protection, tracking pad, etc.) staging area. Notes, construction sequences, and details may be located on a separate sheet (labeled as such). Twelve WCSCD required notes must be placed on SESC plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. Show where all soil erosion measures are to be installed on SESC plan sheets.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. Detention basin detail (showing location of emergency spillway, temporary sediment riser, riprap aprons, low flow channels) included in plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	e. Elevation of 50% trap efficiency dewatering holes in temporary sediment riser
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	f. Detailed construction sequence with an estimated duration of each item.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	g. Permanent, temporary, and off-season stabilization per NJ State Standards or greater.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Copy of complete set of drainage calculations:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. Stability analysis if applicable.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. Pre-development and post-development drainage area maps with all sub watersheds labeled. Show offsite areas which drain to project site and offsite areas which drain to discharge point. Flow path of time of concentration shown on pre and post-development drainage area maps.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. Warren County SCD prefers that TR55 (Urban Hydrology for Small Watersheds) by the SCS be used for peak Q's and volume determinations for detention basins.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. Time of concentration justified by showing each segment's flow length, slope, and ground cover.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	e. All curve numbers (TR55) justified by how many acres are in each group cover type to show how the weighted CN was determined. (Projects just building roads must include impervious areas for future houses and driveways in calculation post CN's).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	f. Discharge rates for 2 and 10 year storms. The 25 and 100 year rainfall events must be submitted for drainage areas for pre and post-development.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	g. Detention basin – reservoir routing for the 2 and 10 and preferably also the 25 and 100 year rainfall event and stage-storage calculations.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	h. Storm sewer calculations.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Calculations for conduit outlet protection, grassed waterways (swales), and other hydraulic conveyance structures per NJ Standards.

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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Details of hydraulic conveyance structures, such as conduit outlet protection, grassed waterways (swales), etc. showing length, width, d_{50} , thickness, depth, slope, bottom width, side slope ratio, etc.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. Location of soil types labeled.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. Sediment basin calculations includes:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	a. Method I "Trap efficiency:" for determining 70% trap efficiency in NJ standards for soil erosion and sediment control.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	b. Method II "Sediment Storage Capacity and Minimum Volume for Temporary Floodwater Storage."
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	c. Elevation of risers for 50% trap efficiency during construction
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	d. Shape and depth calculations of sediment basin.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. Easement to discharge offsite, if applicable.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12. DEP Permits: wetlands, stream encroachment, and dam permits.

COMMENTS

1. Make sure that you are consistent in acres, Q's, CN's, t_e 's, soil types, etc. used throughout the hydrologic calculations and in the basin summary sheets.
2. Complete application packets must be submitted at least 10 working days prior to the District Meeting in order to be acted upon.. See warrencountyscd.org for the meeting schedule.
3. On projects which have been ruled incomplete, if revisions are not submitted or correspondence responding to status of project within 120 days, the plans will automatically be denied without prejudice by the District Board.
4. If major changes are made to plans after initial review, additional fees may be required.
5. If changes are made to plans after project has been approved or approved with conditions, plans must be resubmitted for review. Additional review fees may be required.