

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

Have you included in the submittal the following documents?:

Yes No N/A

- |                          |                          |                          |  |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>A.</b> Application form - front   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Owner / applicant signature   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Applicable fees   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. Agent responsible   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. Ownership Disclosure Statement  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>B.</b> One complete set of plans which includes the SESC plan.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>C.</b> Two copies - soil erosion plan, numbered in sequence in the full set.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Temporary and permanent stabilization measures .  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. SESC Notes and Details  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | a. Sediment barriers \ silt fence \ hay bales  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | b. Inlet protection  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | c. Construction tracking pad   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | d. Staging area  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | e. Detention / Retention Basin   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | f. Temporary sediment riser with elevations for 50% trap efficiency / alternate method of dewatering   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | g. Emergency spillway location and elevations  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | h. Low flow channel  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | i. Riprap aprons at 0.0%   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | j. Steep slopes detail   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | k. Location of stockpiles  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | l. Legend of Details / SESC Measures   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | m. Warren County Soil Conservation District General Notes  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. Sequence of Construction with duration of time(s)   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. Locations on plan where E&S measures shall be installed.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>D.</b> Completed Basin Summary Sheet(s)   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>E.</b> Soils Map  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>F.</b> Drainage Area Maps   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Pre-developed including all off-site areas which drain to project site and drain to the discharge point.                                  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Post developed drainage area maps with all sub-watersheds labeled which drain to the project site and shall drain to the discharge point. |

- G. HYDROLOGY REPORT**
- 1. Indexed and sequentially numbered pages.
- 2. Stability analysis
  - a. TR 55 used for peak Q's and volume determinations for basin
  - b. Pre and Post time of concentration justified by showing each segments flow length, slope and ground cover.
  - c. TR55 curve numbers justified by how many acres are in each group cover type to determine the weighted CN.
  - d. Discharge rates for the 2 & 10 year rainfall events.
  - e. Drainage area map for existing conditions pre-development.
  - f. Drainage area map for post development.
  - g. 2 and 10 year rainfall events and stage-storage calculations.
  - h. Storm sewer calculations.
  - i. Calculations and design for conduit outlet protection
  - j. Calculations and design for grassed waterways / swales
  - k. Calculations for other hydraulic conveyance structures
  - l. Sediment basin calculations.
    - 1. Method I "Trap efficiency" per NJ Standards for Soil Erosion and Sediment Control.
    - 2. Method II "Sediment Storage Capacity & Minimum Volume for Temporary Floodwater Storage".
    - 3. Elevation of sediment risers for 50% trap efficiency.
    - 4. Shape and depth calculations of sediment basin.

**H. GEOLOGICAL REPORT**

- 1.. Provide a determination as to whether **Karst** features are in the site and accounted for in the pre-developed analysis.

**II. PERMITS AND EASEMENTS**

- A. Planning Board Resolutions**
- B. Off-site discharge easement**
- C. Additional Permits**
  - 1. Wetlands permit
  - 2. Stream encroachments permit
  - 3. Dam permit
  - 4. Stormwater Discharge Permit. **(RFA)**
  - 5. Road opening permit

