

Checklist for Submission of Soil Erosion and Sediment Erosion Plan
Upper Delaware Conservation District

Yes No N/A

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. 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. One complete set of plans which includes the SESC plan. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. 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. Upper Delaware 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"/> | D. Completed Basin Summary Sheet(s) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | E. Soils Map |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | F. 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. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | G. HYDROLOGY REPORT |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Indexed and sequentially numbered pages. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Stability analysis |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | a. TR 55 used for peak Q's and volume determinations for basin |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | b. Pre and Post time of concentration justified by showing each segments flow length, slope and ground cover. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 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)**