Soil Erosion & Sediment Control Plan Requirements for Submittal to the DelAtlantic Conservation District

The following is a list of the minimum requirements required on Soil Erosion and Sediment Control plans submitted to the DelAtlantic Conservation District for review for Chapter 251, P.L. 1975 as amended, the Soil Erosion and Sediment Control Act, (NJSA 4:24-39 et seq.). **The following are only to be used as a guideline and the District may require amendments or additional soil erosion and sediment control measures. All soil erosion and sediment control notes must comply with the Standards for Soil Erosion and Sediment Control in New Jersey dated January 2014, Revised July 2017.**

BASIC ITEMS TO BE INCLUDED ON ALL SUBMITTED PLANS:

- The proposed project site must be delineated on the following maps; soil survey, USGS topographical map, wetlands map, and municipal tax map
- Delineate on plans existing streams, wetlands, or other significant natural features on the project site or adjacent to the project area.
- Describe existing conditions.
- Provide land cover and land use of areas adjacent to the land disturbance.
- Submit proposed elevations for finished grade on the lots and proposed first floor elevations.
- The location of temporary soil erosion and sediment control measures (i.e. stabilized construction access, sediment barriers, and inlet protection) must be delineated on the plans.

NUMBER OF PLANS REQUIRED:

- Two (2) complete sets of the site plans. Plans must be prepared by or under the direction and sealed by a Professional Engineer or Architect licensed in the State of New Jersey.
- One (1) additional copy of the Soil Erosion and Sediment Control Plan at the same scale of the site plan.
- One (1) additional copy of the grading and drainage plan.
- Electronic copy of plans, drainage calculations and data base summary form must be submitted in .PDF format.

STABILIZATION REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Permanent Vegetative Cover for Soil Stabilization (section 4) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Measures for stabilization utilizing a permanent vegetative cover must be included on the plans.

- Any areas be stabilized using the Pinelands Vegetative Standard must be clearly delineated and marked on the plans.

Reference Standard for Stabilization with Mulch Only (section 5) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Measures for stabilization utilizing a mulch cover must be included on the plans.

Reference Standard for Temporary Vegetative Cover for Soil Stabilization (section 7) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Measures for stabilization utilizing a temporary vegetative cover must be included on the plans.

- The optimal seeding dates for the Cape-Atlantic region are 2/15 - 4/30 and 8/15 - 10/30. Please include these dates on the plans.

Reference Standard for Topsoiling (section 8) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Measures for topsoiling must be included on the plans. A uniform application to a depth of 5 inches is required.

- Immediately prior to topsoiling, the surface should be scarified to a minimum of 6” (see section 19 of the Standards) where there has been soil compaction.

CONDUIT OUTLET PROTECTION REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Conduit Outlet Protection (section 12) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Submit design calculations for the proposed conduit outlet protection aprons. Include a detail on the plans. The detail must include all dimensions, and the proposed stone size.

- In accordance with the direction provided to the District by the State Soil Conservation Committee engineer, the conduit outlet protection concrete pad should be 6” thick reinforced concrete. Also, the surface must be brushed to provide a rough surface. Submit design calculations for the proposed apron dimensions.

STORMWATER MANAGEMENT SYSTEM REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Dewatering (section 14) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Submit pre- and post construction stormwater runoff calculations.
- Submit design calculations for the stormwater management system.
- Submit a maintenance schedule for the proposed stormwater management system.
- The stormwater basin(s) must be constructed during the initial phase of construction, and must be permanently stabilized prior to the establishment of impervious surfaces.
- If dewatering activities are required during the construction of the project, or if stormwater facilities need to be dewatered to facilitate completion, measures must be taken to remove suspended sediments.

DUST CONTROL REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Dust Control (section 16) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Measures for dust control and control of wind erosion must be included on the plans.

SEDIMENT BARRIER REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Sediment Barriers (section 23) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Installation of the sediment barrier must be installed at the initiation of land disturbance activities.
- The sediment control barrier must comply with section 23 of the "Standards for Soil Erosion and Sediment Control in New Jersey".
- Submit an installation detail of the sediment control barrier to be used for the project.

STABILIZED CONSTRUCTION ACCESS REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Stabilized Construction Access (section 27) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Installation of stabilized construction accesses must be installed at the initiation of land disturbance activities.
- A crushed stone pad stabilized construction access must be provided at each point of ingress and egress onto adjacent paved roads, or paved areas within the project.
- If the project is to be constructed in phases, then a pad will be required between paved and unpaved phases.
- A stone pad must be utilized for each individual lot within a proposed subdivision. A minimum length of 10’ is required.
- The crushed stone pad stabilized construction access must be a minimum length of 100' for most projects.
- A Traffic Control Barricade must be installed so as to limit ingress and egress to the proposed stabilized construction entrance
- Non-erodible materials such as crushed stone, crushed concrete or lumber must be utilized to provide a ramp to cross an existing curb. Soil ramps may not be utilized. Provide an appropriate note or detail on the plans.

OFF SITE STABILITY REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Off-Site Stability (section 21) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Submit an off-site stability analysis.

INLET PROTECTION REQUIREMENTS FOR SUBMITTED PLANS:

Reference Standard for Storm Sewer Inlet Protection (section 28) in the "Standards for Soil Erosion and Sediment Control in New Jersey".

- Installation of storm sewer inlet protection must be installed at the initiation of land disturbance activities.
- Filter fabric may not be utilized for the protection of stormwater inlets. Wire mesh with ½” x ½” openings, covered with crushed stone may be utilized. Provide an appropriate note and detail on the plans. Other methods may be utilized if approved by the District.
- The use of sediment control devices mounted under the grate is an acceptable measure for inlet protection.

NJ Soil Conservation District
Soil Erosion & Sediment Control Notes

1. The soil erosion inspector may require additional soil erosion measures to be installed, in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey, 7th Edition, January 2014, Revised July 2017.
2. The property owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or offsite as a result of construction of the project.
3. The soil conservation district shall be notified 48 hours prior to any land disturbance.
4. All applicable erosion and sediment control practices shall be in place prior to any grading operation and/or installation of proposed structures or utilities.
5. Soil erosion and sediment control practices on this plan shall be constructed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey.
6. Applicable erosion and sediment control practices shall be left in place until construction is completed and/or the area is stabilized.
7. The contractor shall perform all work, furnish all materials and install all measures required to reasonably control soil erosion resulting from construction operations and prevent excessive flow of sediment from the construction site.
8. Any disturbed area that is to be left exposed for more than sixty (60) days and not subject to construction traffic shall immediately receive a temporary seeding and fertilization in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. If the season prohibits temporary seeding, the disturbed areas will be mulched with salt hay or equivalent and anchored in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (i.e. peg and twine, mulch netting or liquid mulch binder).
9. It shall be the responsibility of the developer to provide confirmation of lime, fertilizer and seed application and rates of application at the request of the soil conservation district.
10. All critical areas subject to erosion will receive a temporary seeding in combination with straw mulch at a rate of 2 tons per acre, according to the New Jersey standards immediately following rough grading.
11. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.

12. All sedimentation structures will be inspected and maintained on a regular basis and after every storm event.

13. A crushed stone, tire cleaning pad will be installed wherever a construction access exists. The stabilized pad will be installed according to the standard for stabilized construction access.

14. All driveways must be stabilized with crushed stone or subbase prior to individual lot construction.

15. Remove any sediment that may be spilled, dropped, or tracked off the project site. All paved rights-of-way adjacent to the project site must be maintained in a clean, swept condition throughout construction.

16. All catch basin inlets will be protected according to the certified plan.

17. All storm drainage outlets will be stabilized, as required, before the discharge points become operational.

18. All dewatering operations must discharge directly into a sediment filter area. The sediment filter should be composed of a suitable sediment filter fabric.

19. NJSA 4:24-39, et seq. Requires that no certificate of occupancy be issued before all provisions of the certified soil erosion and sediment control plan have been complied with for permanent measures. All site work for the project must be completed prior to the district issuing a report of compliance as a prerequisite to the issuance of a certificate of occupancy by the municipality.

20. A copy of the certified soil erosion and sediment control plan must be maintained on the project site during construction.

21. Any conveyance of this project prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.

22. Immediately after the completion of stripping and stockpiling of topsoil, the stockpile must be stabilized according to the standard for temporary vegetative cover. Stabilize topsoil pile with straw mulch for protection if the season does not permit the application and establishment of temporary seeding. All soil stockpiles are not to be located within fifty (50) feet of a floodplain, slope, roadway or drainage facility and the base must be protected with a sediment barrier.

23. Any changes to the site plan will require the submission of a revised Soil Erosion and Sediment Control plan to the soil conservation district. The revised plan must be in accordance with the current Standards for Soil Erosion and Sediment Control in New Jersey.

24. Methods for the management of high acid producing soils shall be in accordance with the standards. High acid producing soils are those found to contain iron sulfides or have a ph of 4 or less.

25. Maximum side slopes of all exposed surfaces shall not be constructed steeper than 3:1 unless otherwise approved by the district.
26. Dust is to be controlled by an approved method according to the Standards for Soil Erosion and Sediment Control in New Jersey and may include watering with a solution of calcium chloride and water.
27. Adjoining properties shall be protected from excavation and filling operations on the proposed site.
28. Use staged construction methods to minimize exposed surfaces, where applicable.
29. All vegetative material shall be selected in accordance with American standards for nursery stock of the American association of the nurserymen and in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey.
30. Natural vegetation and species shall be retained where specified on the landscape plan.
31. The permanent vegetative cover such as seeding or sodding on all areas shall be accomplished within 10 days after final grading operations have been completed.
32. Excavated soil material shall not be placed adjacent to rivers, streams, or bodies of water in a manner that will cause it to be washed away by high water or runoff. Excess borrow material removed from the construction site shall be stabilized at the site of placement.
33. This certification is limited to the controls specified in this plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality, county, State agency or other controlling agency.