

# **Soil Erosion & Sediment Control Plan Requirements for Submittal to the Cape Atlantic Conservation District**

The following is a list of the minimum requirements required on Soil Erosion and Sediment Control plans submitted to the Cape Atlantic 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 to 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 should be utilized. Revise or 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.

## **TRAFFIC CONTROL REQUIREMENTS FOR SUBMITTED PLANS:**

*Reference Standard for Traffic Control (section 31) in the "Standards for Soil Erosion and Sediment Control in New Jersey".*

- Installation of traffic controls must be installed at the initiation of land disturbance activities.
- A Traffic Control Barricade must be installed so as to limit ingress and egress to the proposed stabilized construction entrance.

## ***ADDITIONAL REQUIREMENTS FOR SUBMITTED PLANS:***

The following note must be included on the plans; "A Report of Compliance must be obtained from the District prior to receiving a Certificate of Occupancy from the municipality. A request for a District inspection for the release of a Report of Compliance must be made 5 working days in advance. This applies to both Complete (final) and Conditional (temporary) Certificates. All streets and units must be properly identified. A Report of Compliance will not be released for a unit if it can not be identified. Identify all units at the site by Block, Lot, and Street Address".

The following note must be included on the plans; "Remove any sediment that may be spilled, dropped, or tracked off the project site. All paved right-of-ways adjacent to the project site must be maintained in a clean, swept condition throughout construction. Install crushed stone pad(s) to help reduce off-site tracking of sediment".

The following note must be included on the plans, "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".

Submit a proposed Sequence of Construction. Installation of temporary Soil Erosion and Sediment Control measures must be installed at the initiation of land disturbance activities. 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.

Areas to be utilized for staging or stockpiling of materials must be delineated on the plans. Appropriate temporary soil erosion and sediment control measures must be utilized during construction. A sediment barrier must be placed around the area, and a stone pad must be utilized to help prevent tracking of sediment. These areas must be permanently stabilized following their use.

## **APPLICATION REQUIREMENTS FOR SINGLE FAMILY DWELLINGS AND DUPLEXES, OR LAND GRADING AND DEMOLITION ACTIVITIES LESS THAN 1 ACRE.**

- Submit application form, and ownership disclosure for (if corporation or partnership).
- Submit a completed “Minimum Soil Erosion and Sediment Control Requirements during Construction” form.
- Submit one (1) signed and sealed copy of the site plan or plot plan with proposed elevations for finished grade on the lot and proposed first floor elevations. Plans must also include topsoil and soil de-compaction requirements. These provisions have been included within Chapters 8 (Topsoil) and 19 (Land Grading) of The Standards for Soil Erosion and Sediment Control in New Jersey.
- Submit a copy of the municipal tax map with the project location delineated on the map. *\*\*\*For Demolition Only-Sign, date and write “Structure to be demolished” on tax map. Also, include and label two (2) Soil Restoration test locations on map.*
- Submit “Property Owner Authorization Form” if someone other than project owner is signing forms.

## **SOLAR PROJECTS**

“The Legislature of the State of New Jersey has specifically determined that solar panels do not meet the definition of an “impervious” surface. (N.J.S.A. 40:55D-38.1) for purpose of the NJ Municipal Land Use Law. Applicants for Soil Erosion and Sediment Control certification before the Cape Atlantic Conservation District (CACD) are therefore legally entitle to rely on the legislative determination of “impervious” in calculating storm water runoff and in reviewing storm water facilities in connection with their plans. Applicants are hereby advised that the CACD hereby disclaims any liability whatsoever for surface water runoff or other damages that may be incurred as a result from any difference between the calculated storm water runoff and the actual runoff of a project.

Notwithstanding the legislative determination, the CACD would strongly recommend that applicant’s engineers utilize their designs generally acceptable engineering practices and modeling techniques that account for the effects of the runoff from the solar panels”.



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