

LIST OF ITEMS NECESSARY FOR A COMPLETE APPLICATION

• All items will not be required for all projects

1. Please provide one complete set of plans and five (5) copies of plans entitled Soil Erosion and Sediment Control.
2. Please provide plans titled Soil Erosion and Sediment Control.
3. Provide existing and proposed contours at 2' intervals that are legible and consistently labeled.
4. Stabilized construction entrance, delineated on the plan, with supportive detail.
5. Methods of controlling dust and soil blowing must be included as part of the plan.
6. Provide temporary seed specifications, including lime, fertilizer, seed, mulching material, types and rates of application in accordance with Section 7 of the Standards.
7. Provide a North Arrow on the soil erosion and sediment control plan.
8. Soil information and identification of soil types.
9. Delineation of any areas subject to flooding from the 100-year storm.
10. Provide the District with copies of any NJDEP wetlands permits necessary for this application or other pertinent correspondence if permits are not needed or have not yet been granted.
11. All areas subject to stream encroachment regulations must be delineated on the plans.
12. Provide plans with the Engineer's signature and seal.
13. Provide a delineated "Limit of Disturbance" for all construction activities, including off site disturbance, on the soil erosion and sediment control plan. Demonstrate how vehicles will access each proposed construction areas without tracking sediment outside the proposed limit of disturbance.
14. Provide a sequence of development, including the installation of site specific erosion control practices and the estimated duration of each activity for each phase of construction. Note that stormwater basins must be constructed and stabilized prior to or concurrent with rough grading.
15. Provide sediment barrier installation details in accordance with the Standards.
16. Provide inlet protection installation details in accordance with the Standards.
17. Provide a project locator, preferably on a U.S.G.S. Quad map.
18. Provide location and accurate delineation of all streams, channels, water bodies, and other natural features within and adjacent to the project area.
19. Design, delineate and detail conduit outlet protection for each proposed headwall. Provide the District with all necessary design support for review.

20. Permanent vegetative seeding specifications must be site-specific. The Burlington District requires that the rate of application be a minimum of 4.0 pounds total seed per 1000 square feet. This is equivalent to approximately 175 pounds per acre. If hydroseeding will be the method of application, the seed rate should be increased by 25%. Hydroseeded areas must still receive straw mulch and tackifier.
21. Provide a stormwater drainage plan, with the areas delineated on the plan that correspond with the drainage calculations. Use arrows to indicate the direction of flow.
22. Section 13 of the Standards requires reducing the post development peak flows to 50% and 75% of predevelopment peak flows for the 2 and 10 year storms, respectively. Provide a Storm Water Management Report documenting that this Standard has been met.
23. Provide a typical lot construction detail noting grading, stone tire cleaning driveway, silt fence, drainage swales, soil stockpiles and all other appropriate erosion control measures.
25. Provide the District with a copy of the Pinelands Commission Certificate of filing, if applicable.
26. Stormwater management basin emergency spillway structure designs should include permanent structural armament, such as rip rap, concrete or synthetic erosion control matting.
27. If there are any off-site improvements being planned for this project, please delineate the improvements on the soil erosion and sediment control plans.
28. Place the following mulching specification on the soil erosion and sediment control plan: Salt hay or small grain straw applied at a rate of 70 to 90 pounds per 1000 square feet. Mulch shall be secured by approved methods (liquid mulch binder, crimping, peg and twine).
29. For large projects, (soil disturbance in excess of 15 acres) thought and consideration should be given to limiting the overall amount of land disturbed concurrently. This should be described within the construction sequence.
30. For residential or commercial development, after curbs and utilities are installed, either a 20' vegetated filter strip or curbside sediment barriers should be established.
31. Provide a completed Detention Basin Data Base Summary Form for each proposed basin. The analysis should include delineation of the watershed(s) that drain to each basin on a copy of the U.S.G.S. Quad map.
32. Provide a detail for reinforced silt fence. At a minimum, silt fence should be reinforced by means of either wooden snow fence with steel pickets or welded wire fence, minimum 14 gauge, with rectangular openings no larger than 6" x 6", supported by steel pickets.
33. Provide a pre-developed topographic drainage area map, scale appropriate to the scope of the project, clearly showing flow paths, times of concentration, subarea analyses which contribute discharge to the point of interest, and identification of drainage areas with the corresponding calculations package.
34. Provide a post-developed topographic drainage area map, scale appropriate to the scope of the project. The schematic should clearly identify the cumulative subareas connected to the basin(s) or

point(s) of discharge. The identification and analysis must provide delineation of the flow paths and times of concentration.

35. Section 13 of the Standards states that “Where infiltration basins are proposed, the existence of a stable condition at the emergency discharge area must be provided, and for off-site stability analysis it must be assumed that infiltration will not reduce the peak runoff for a 10-year storm.” In order to accomplish this, the rate and velocity of runoff through the basin spillway must be determined for the 10-year storm assuming that the basin is completely full. The flow path should be delineated on the plans. Any additional structures that become necessary must be delineated and detailed on the plans.

36. Section 12 of the Standards states that “there shall be no over fall from the end of the apron to the receiving channel.” Provide all necessary support to document that the proposed headwall, located above the invert of the receiving waterway, meets the requirements set forth in Section

21 of the Standards. If this is not possible it may be necessary to relocate the headwall to a more appropriate location or reduce flows from the basin.

37. Silt fence must be installed along and around the end of the area disturbed for construction of the outfall pipe and associated conduit outlet protection.

38. The District requests that each proposed basin be constructed to function as a temporary sediment basin until 75% of each respective drainage area has been permanently stabilized. Please design, detail and delineate, on the soil erosion and sediment control plan, an appropriate sediment riser and provide calculations which demonstrate that the proposed basin is adequate to act as a temporary sediment basin in accordance with Section 26 of the Standards. Also, the

placement of the sediment riser and completion of the basin to final specifications should be included within the construction sequence.

39. The use of annual rye grass for temporary stabilization is no longer permitted by the Standards. Please choose another temporary seed mixture from Section 7-1 of the Standards. The District recommends the use of perennial ryegrass for temporary stabilization.

40. The detail for typical silt fence provided in the Standards includes a drawstring at the top of the fabric for added strength. Please revise your detail accordingly.

41. Provide details for site/basin dewatering in accordance with Section 14 of the Standards. Discharge locations should also be identified.

42. Provide topsoil specifications in accordance with Section 8 of the Standards. Please include the following statement: apply topsoil in a uniform application to an average depth of 5.0 inches, minimum of 4 inches, firmed in place is required. Imported topsoil shall have a minimum organic matter content of 2.75 percent. Organic matter content may be raised by additives.

43. The proposed soil disturbing activity for this site is in excess of the minimum threshold set forth by the Statewide Stormwater Permitting Program. Therefore, a Request for General Permit Authorization (R.F.A.) for Stormwater Discharge associated with Construction Activity is required.

44. Please provide a soil restoration plan delineating all areas where soil testing and restoration, if necessary will be required. The plan should identify all potential areas for soil compaction testing (e.g.

common areas) as well as a typical lot detail for residential development which indicates all areas of the lot where soil compaction testing will be necessary. Include the square footage/acreage to be restored.

45. Please provide Soil De-Compaction and Testing Requirements on the Soil Erosion and Sediment Control Notes and Details sheet.

46. Soil restoration measures must be included in the Sequence of Construction, prior to topsoiling for permanent stabilization.