New Jersey Natural Resources Conservation Program

TOWNSHIP OF CHATHAM
Municipal Building
Land Development Office
58 Meyersville Road
Chatham, NJ 07928

For District Use Only

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

Name of Project		Project Location: Municipality	
Project Street Address		Block	Lot
Project Owner(s) Name		Email	Phone # Fax #
Project Owner(s) Street Address (No P.O. Box Numbers)		City	State Zip
Total Area of Project (Acres)	Total Area or Land to be Disturbed (Acres)	No. Dwelling or other Units	Fee $
Plans Prepared by*			Phone # Fax #
Street Address		City	State Zip

*(Engineering related items of the Soil Erosion and Sediment Control Plan **MUST** be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

Agent Responsible During Construction			Email
Street Address			
City	State	Zip	Phone Fax #

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current **Standards for Soil Erosion and Sediment Control In New Jersey** and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

1. To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
2. To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District.
3. To maintain a copy of the certified plan on the project site during construction.
4. To allow District agents to go upon project lands for inspection.
5. That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
6. To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency. It is further understood that all documents, site plans, design reports etc. submitted to the district shall be made available to the public (upon request) pursuant to the Open Public Records Act, N.J.S.A. 47:1A-1 et seq.

1. Applicant Certification* Signature:_____ Date:_____ Applicant Name (Print)	3. Plan determined complete: Signature of District Official:_____ Date:_____
2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official:_____ Date:_____	4. Plan certified, denied or other actions noted above. Special Remarks: Signature of District Official:_____ Date:_____

***If other than project owner, written authorization of owner must be attached.**

SSCC251 AP10 1/2014

APPENDIX A2

REQUIREMENTS, GUIDELINES AND PROCEDURES FOR
PREPARING AND IMPLEMENTING "STANDARDS FOR SOIL EROSION AND
SEDIMENT CONTROL IN NEW JERSEY"

An application for certification of a soil erosion and sediment control plan shall include the following items.

1. One copy of the complete subdivision, site plan or construction permit application, including key map as submitted to the municipality (architectural drawings and building plans and specifications not required) which includes the following:
   a. Location of present and proposed drains and culverts with their discharge capacities and velocities and support computations and identification of conditions below outlets.
   b. Delineation of any area subject to flooding from the 100-year storm in compliance with the Flood Plains Act (NJSA 58:16A) or applicable municipal zoning.
   c. Delineating of streams, wetlands, pursuant to NJSA 13:9B and other significant natural features within the project area.
   d. Soils and other natural resource information used. (Delineation of the project site on soil map is desirable utilizing the USDA Web Soil Survey).
   e. Land cover and use of area adjacent to the land disturbance.
   f. All hydraulic and hydrologic data, describing existing and proposed watershed conditions and HEC HMS, HEC RAS, TR-55 and similar models, and other electronic input files, if used, of existing and proposed conditions and a completed copy of the Hydraulic and Hydrologic Data Base Summary Form, SSCC 251 HDF1.

2. One copy of the soil erosion and sediment control plan* at the same scale as the site plan submitted to the municipality or other land use approval agency to include the following: (This information shall be detailed on the plat)
   a. Proposed sequence of development including duration of each phase in the sequence.
   b. Site grading plan showing delineation of land areas to be disturbed including proposed cut and fill areas together with existing and proposed profiles of these areas (an interim grading-erosion control plan may be required for large sites with extensive cuts and fills).
   c. Contours at a two foot (or smaller) interval, showing present and proposed ground elevation.
   d. Locations of all streams and existing and proposed drains and culverts.
   e. Stability analysis of areas below all points of stormwater discharge which demonstrates a stable condition will exist or there will be no degradation of the existing condition.
   f. Location and detail of all proposed erosion and sediment control structures including profiles, cross sections, appropriate notes, and supporting computations.
   g. Location and detail of all proposed nonstructural methods of soil stabilization including types and rates of lime, fertilizer, seed, and mulch to be applied.
   h. Control measures for non-growing season stabilization of exposed areas where the establishment of vegetation is planned as the final control measure.
   i. For residential development – control measures to apply to dwelling construction on individual lots and notation that such control measures shall apply to subsequent owners if title is conveyed. This notation shall be shown on the final plat.
   j. Plans with a notation for maintenance of permanent soil erosion and sediment control measures and facilities during and after construction, also indicating who shall have responsibility for such maintenance.

Appropriate fees. (As adopted by the individual district.)

Additional items as may be required.

*Individual districts may require modifications in the above list.

TOWNSHIP OF CHATHAM – LOT GRADING PLAN CHECKLIST

CHATHAM TOWNSHIP – SOIL EROSION AND SEDIMENT CONTROL NOTES

1. All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control," (revised 1999) and will be in place prior to any soil disturbance or in their proper sequence and maintained until permanent protection is established.

2. Chatham Township will be notified 72 hours prior to any land disturbance.

3. During and after construction, the owner will be responsible for the maintenance and upkeep of the drainage structures, vegetative cover, and any other measures deemed appropriate by the Township.

4. A crushed stone vehicle wheel cleaning blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 2 ½ " crushed stone, will be at least 50 feet long and the width of the exit roadway or driveway, and will be properly maintained.

5. All paved roadways must be kept clean at all times.

6. All new roadways and driveways will be treated with a suitable subbase upon establishment of final grade elevations.

7. Disturbed areas shall be maintained in a rough graded condition and temporarily seeded and mulched until proper weather conditions exist for the establishment of permanent vegetative cover.

8. All soil stockpiled for a period of greater than 30 days will be temporarily seeded and mulched.

9. Stockpiles shall not be located within 50 feet of a floodplain slope, drainage facility, or roadway. All stockpile bases shall be protected by a hay bale barrier or sediment fence.

10. Immediately following initial disturbance or rough grading, all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or suitable equal, at a 2 ton/acre ratio rate, according to State Standards.

11. Temporary Stabilization - Any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction activities shall immediately be stabilized upon disturbance by applying the following:

    a) Ground limestone at a rate of 90 pounds per 1,000 square feet.

TOWNSHIP OF CHATHAM – LOT GRADING PLAN CHECKLIST

b) Fertilizer at a rate of 14 pounds per 1,000 square feet using a 10-20-10 analysis or an equivalent worked into the soil a minimum of 4".

c) Seed shall be Annual Ryegrass applied at not less than 1 pound per 1,000 square feet.
d) Mulch all newly seeded areas with unrotted salt hay or small grain straw at a rate of 90 pounds per 1,000 square feet according to the NJ standard. Mulch shall not be ground into short pieces and in no case shall more than 5 days elapse between seeding and mulching.
e) Mulch shall be anchored with a liquid mulch binder applied at a rate of 1 gal/1,000 sf. or by approved methods (i.e. peg and twine, mulch netting).

12. Between October 1 and March 1 and when the season prohibits temporary seeding or when disturbed areas are scheduled for immediate landscaping, applying the aforementioned items "d)" and "e)" will be adequate.

13. Seeding Dates: The following are recommended seeding dates for the establishment of temporary or permanent vegetation.
    a) SPRING: (March 1 – May 15)
    b) FALL: (August 15 – October 1)

14. Permanent vegetative cover is to be established on exposed areas within 10 days after final grading. Mulch is to be used for protection until final vegetation is established.

15. Permanent seeding and stabilization to be in accordance with the Standards for permanent vegetative cover – all exposed surfaces will be treated with 4" of topsoil prior to final stabilization and the following items applied at the designated rates:

    a) Lime shall be applied at 90 pounds per 1,000 square feet consisting of ground limestone incorporated into the top 4" of topsoil.
    b) Fertilizer shall be 14 pounds per 1,000 square feet 10-20-10 incorporated into the top 4" of topsoil.
    c) Seed shall be 25 pounds per acre of Kentucky Bluegrass, 15 pounds per acre of Red Fescue, Spreading Fescue at 15 pounds per acre, and 10 pounds per acre of Perennial Ryegrass.
    d) In shade areas increase Red Fescue 20 pounds per acre and decrease Kentucky Bluegrass 20 pounds per acre.
    e) Mulch all newly seeded areas with unrotted salt hay or small grain straw at a rate of 90 pounds per 1,000 square feet according to the NJ standard. Mulch shall not be ground into short pieces and in no case shall more than 5 days elapse between seeding and mulching.
    f) Mulch shall be anchored with a liquid mulch binder applied at a rate of 1 gal/1,000 sf or by approved methods (i.e. peg and twine, mulch netting).

TOWNSHIP OF CHATHAM – LOT GRADING PLAN CHECKLIST

16. Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the Township.

17. The site shall, at all times be graded and maintained such that all storm water run-off is diverted to soil erosion and sediment control facilities.

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

19. All sedimentation structures will be inspected and maintained on a regular basis.

20. All storm drain inlets shall be protected with gravel filters to prevent entry of sediment carried by run-off water until vegetation and/or paving is established.

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

22. All trees to remain after construction are to be protected with tree protection devices or sediment barriers.

23. The Township may request additional measures to minimize on or off site erosion problems during construction.

24. Sequence of Construction (must be modified for each specific project)

    a) Install vehicle wheel cleaning blanket and inlet protection.
    b) Install silt fence.
    c) Clear site.
    d) Strip and stockpile soil
    e) Construct site improvements
    f) Provide temporary stabilization if required.
    g) Provide permanent stabilization.
    h) Remove temporary silt fence, inlet protection and other soil erosion controls.

25. A copy of the Soil Erosion and Sediment Control Plan must be on-site at all times and made available to a Township representative during inspection.

Morris County Soil Conservation District
Soil Erosion and Sediment Control Notes

1. All Soil Erosion and Sediment Control Practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey, and will be in place prior to any major soil disturbance, or in their proper sequence and maintained until permanent protection is established.

2. Any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction traffic shall immediately receive a temporary seeding. If the season prohibits temporary seeding, the disturbed areas will be mulched with straw or hay and tacked in accordance with the New Jersey Standards. See Note 21 below.

3. Permanent vegetation is to be established on exposed areas within ten (10) days after final grading. Mulch is to be used for protection until vegetation is established. See Note 22 below.

4. Immediately following initial disturbance or rough grading. All critical areas (steep slopes, sandy soils, wet conditions) subject to erosion will receive a temporary seeding in accordance with Note 21 below.

5. Temporary Diversion Berms are to be installed on all cleared roadways and easement areas. See the Diversion Detail.

6. Permanent Seeding and stabilization to be in accordance with the "Standards for Permanent Vegetative Cover for Soil Stabilization Cover". Specified rates and locations shall be on the approved Soil Erosion and Sediment Control Plan.

7. The site shall at all times be graded and maintained so that all stormwater runoff is diverted to Soil Erosion and Sediment Control facilities.

8. All sedimentation structures (silt fence, inlet filters, and sediment basins) will be inspected and maintained daily.

9. Stockpiles shall not be located within 50' of a floodplain, slope, drainage facility, or roadway. All stockpiles bases shall have a silt fence properly entrenched at the toe of slope.

10. A Stabilized Construction Access will be installed, whenever an earthen road intersects with a paved road. See the Stabilized Construction Access detail and chart for dimensions.

11. All new roadways will be treated with suitable subbase upon establishment of final grade elevations.

12. Paved roadways must be kept clean at all times.

13. Before discharge points become operational, all storm drainage outlets will be stabilized as required.

14. All dewatering operations must be discharged directly into a sediment filter area. The filter should be composed of a fabric or approved material. See the Dewatering detail.

15. All sediment basins will be cleaned when the capacity has been reduced by 50%. A clean out elevation will be identified on the plan and a marker installed on the site.

16. During and after construction, the applicant will be responsible for the maintenance and upkeep of the drainage structures, vegetation cover, and any other measures deemed appropriate by the District. Said responsibility will end when completed work is approved by the Morris County Soil Conservation District.

17. All trees outside the disturbance limit indicated on the subject plan or those trees within the disturbance area which are designated to remain after construction are to be protected with tree protection devices. See the Tree Protection detail.

18. The Morris County Soil Conservation District may request additional measures to minimize on site or off site erosion problems during construction.

19. The Morris County Soil Conservation District must be notified, in writing, at least 72 hours prior to any land disturbance, and a pre-construction meeting held.

20. Contractor to set up a meeting with the inspector for periodic inspections of the Temporary Sediment Basin prior to and during its construction.

21. **Topsoil Stockpile Protection**
    a) Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft.
    b) Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
    c) Apply Perennial Ryegrass seed at 1 lb. per 1000 sq. ft. and Annual Ryegrass at 1 lb. per 1000 sq. ft.
    d) Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
    e) Apply a liquid mulch binder or tack to straw or hay mulch.
    f) Property entrench a silt fence at the bottom of the stockpile.

22. **Temporary Stabilization Specifications**
    a) Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft.
    b) Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
    c) Apply Perennial Ryegrass seed at 1 lb. per 1000 sq. ft. and Annual Ryegrass at 1 lb. per 1000 sq. ft.
    d) Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
    e) Apply a liquid mulch binder or tack to straw or hay mulch.

23. **Permanent Stabilization Specifications**
    a) Apply topsoil to a depth of 5 inches (unsettled).
    b) Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft. and work four inches into soil.
    c) Apply fertilizer (10-20-10) at a of rate 11 lbs. per 1000 sq. ft.
    d) Apply Hard Fescue seed at 2.7 lbs. per 1000 sq. ft. and Creeping Red Fescue seed at 0.7 lbs per 1000 sq. ft. and Perennial Ryegrass seed at 0.25 lbs per 1000 sq. ft.
    e) Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
    f) Apply a liquid mulch binder or tack to straw or hay mulch.

***NOTE: 72 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE IN WRITING, SHALL BE GIVEN TO THE MORRIS COUNTY SOIL CONSERVATION DISTRICT AND A PRE-CONSTRUCTION MEETING HELD.**