



USGS MAP



SOILS MAP

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...
2. Any disturbed area that will be left exposed for more than thirty (30) days...
3. Permanent vegetation is to be established on exposed areas within ten (10) days...
4. Immediately following initial disturbance or rough grading...
5. Temporary Diversion Berms are to be installed on all cleared roadways...
6. Permanent Seeding and stabilization to be in accordance with the 'Standards for Permanent Vegetative Cover for Soil Stabilization Cover'...
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...
10. A Stabilized Construction Access will be installed, whenever an earthen road intersects with a paved road...
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...
15. All sediment basins will be cleaned when the capacity has been reduced by 50%...
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...
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...
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...
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.

MAY 2006

SOIL EROSION AND SEDIMENT CONTROL PLAN MAINTENANCE PROGRAM

Maintenance is required to keep practices in, or restore them to, their original physical and functional conditions. Maintenance of all storm water and erosion and sedimentation control facilities shall commence immediately after construction begins. The Construction Contractor shall conduct regular inspections of the sedimentation control facilities on a weekly basis...
Accumulated sediment deposits shall be regularly removed after each storm event in order to maintain proper performance. Sediment removed from BMPs shall be disposed of in landscaped areas within the project boundary...
It shall be the Construction Contractor's responsibility during construction to prevent soil from polluting neighboring property, public streets and streams. Soil dropped from construction equipment and sedimentation shall be immediately removed from roads, public and private property and streams.

Inspection shall be frequent. Maintenance, repair, and replacement shall be made promptly, as needed. The barrier shall be removed when the area draining toward the inlet has been stabilized.

Stabilized Construction Access: The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto roadways. This may require periodic top dressing with additional stone or additional length as conditions demand and repair and/or cleanup of any measures used to trap sediment...

Sediment Barriers: Sediment shall be removed from the upstream face of the barrier when it has reached a depth of 1/2 the barrier height. Repair or replace barrier (fabric, bales, etc.) when damaged. Barriers shall be inspected daily for signs of deterioration and sediment removal.

Soil Stabilization Matting: Erosion control matting shall be maintained according to the specific manufacturer's recommendations. Damaged sections of matting shall be repaired or replaced according to the manufacturer's recommendations.

Storm Sewer Inlet Protection: Inspection shall be frequent. Maintenance, repair, and replacement shall be made promptly, as needed. The barrier shall be removed when the area draining toward the inlet has been stabilized.

Dust Control Notes

The following methods should be considered for controlling dust:

Mulches - See Standard for Stabilization with Mulches Only (pg. 5-1)

Vegetative Cover - See Standard for Temporary Vegetative Cover (pg. 7-1), Permanent Vegetative Cover for Soil Stabilization (pg. 4-1), and Permanent Stabilization with Sod (pg. 6-1)

Spray-On Adhesives - On mineral soils (not effective on muck soils). Keep traffic off these areas.

Table 16-1: Dust Control Materials

Table with 4 columns: MATERIAL, WATER DILUTION, TYPE OF NOZZLE, APPLY GALLONS/ACRE. Rows include Anionic asphalt emulsion, Latex emulsion, Resin in water, Polyacrylamide (PAM) - spray on, Polyacrylamide (PAM) - dry spray, and Acidulated Soy Bean Soap Stick.

Tillage - To roughen surface and bring clods to the surface. This is a temporary emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, and spring-toothed harrows are examples of equipment which may produce the desired effect.

Sprinkling - Site is sprinkled until the surface is wet.

Barriers - Solid board fences, snow fences, burlap fences, crate walls, bales of hay, and similar material can be used to control air currents and soil blowing.

Calcium Chloride - Shall be in the form of loose, dry granulates of flakes fine enough to feed through commonly used spreaders at a rate that will keep surface moist but not cause pollution or plant damage. If used on steeper slopes, then use other practices to prevent washing into streams, or accumulation around plants.

Stone - Cover surface with crushed stone or coarse gravel.



Professional contact information for Geoffrey L. Cogan, Architect, Planner, A.I.A., N.J. CERT. #A100984600. Office: 8 KING STREET, STE. A, MORRISTOWN, NJ 07960. Phone: (973) 263-3023. Fax: (973) 242-0664. Email: GCOGAN@GALC.NET. Website: WWW.GEOFFREYLCOGAN.COM

BERCK & REDSON logo and address: 33 SOUTH BROAD STREET, SUITE 100, PHILADELPHIA, PA 19102. Phone: (215) 262-2564. Website: WWW.BERCKANDREDSON.COM

NOT FOR CONSTRUCTION

AMENDED PRELIMINARY / FINAL SITE DEVELOPMENT PLAN FAIRLEIGH DICKINSON ATHLETIC FIELDS. LOT 6 / BLOCK 101 - ZONE: UNIVERSITY. 285 MADISON AVENUE, MADISON, NJ 07940. MADISON BOROUGH, MORRIS COUNTY, NEW JERSEY.

REVISIONS table with columns: No., DATE, DESCRIPTION OF CHANGES.

DRAWING NO. C-703 P 20-002. Includes fields for DATE, PROJECT #, DRAWN BY, PLOT, DATE, and PIC.