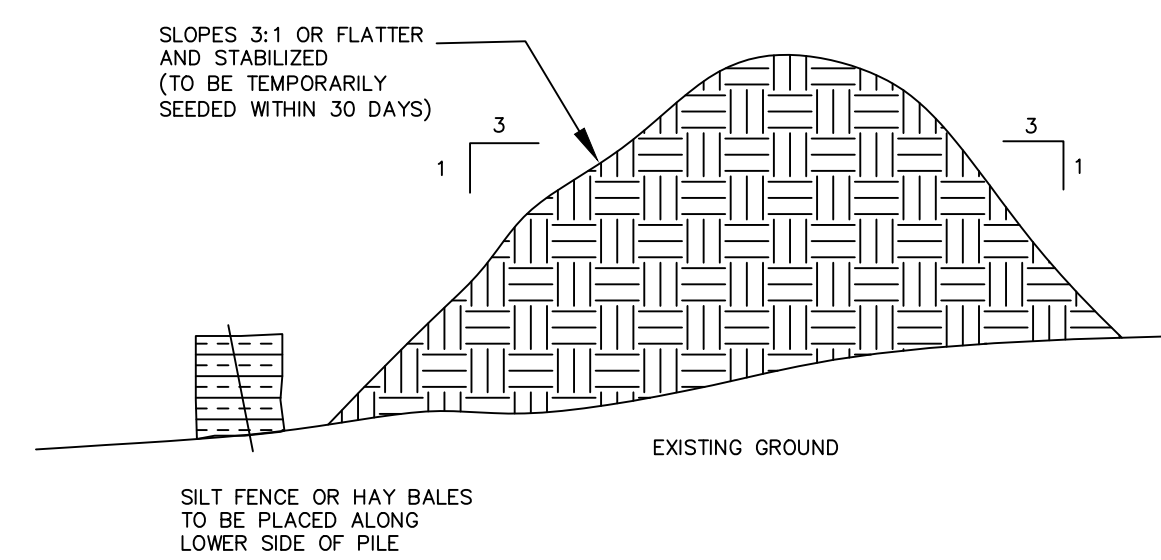
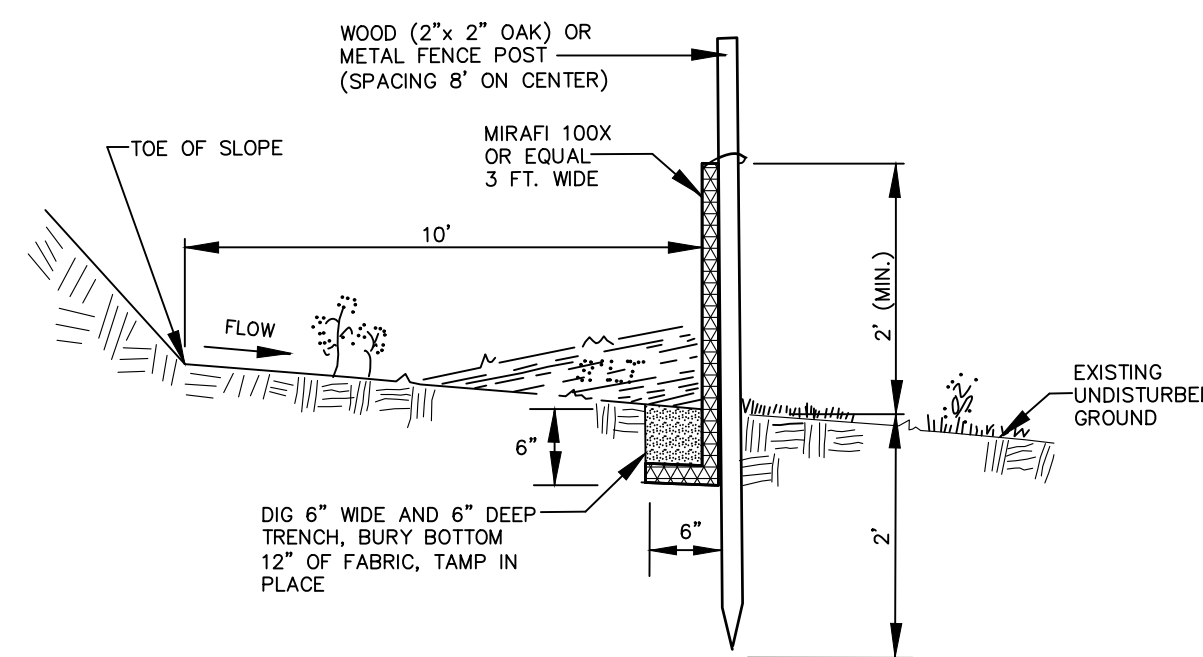


**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



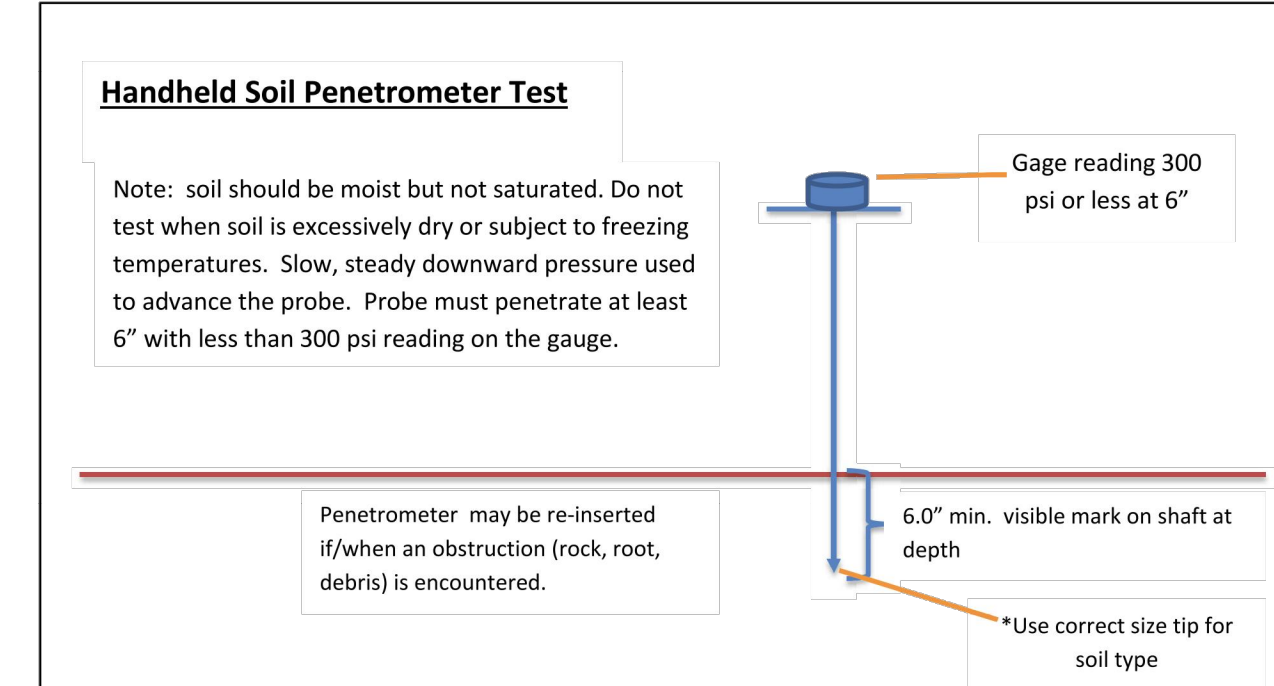
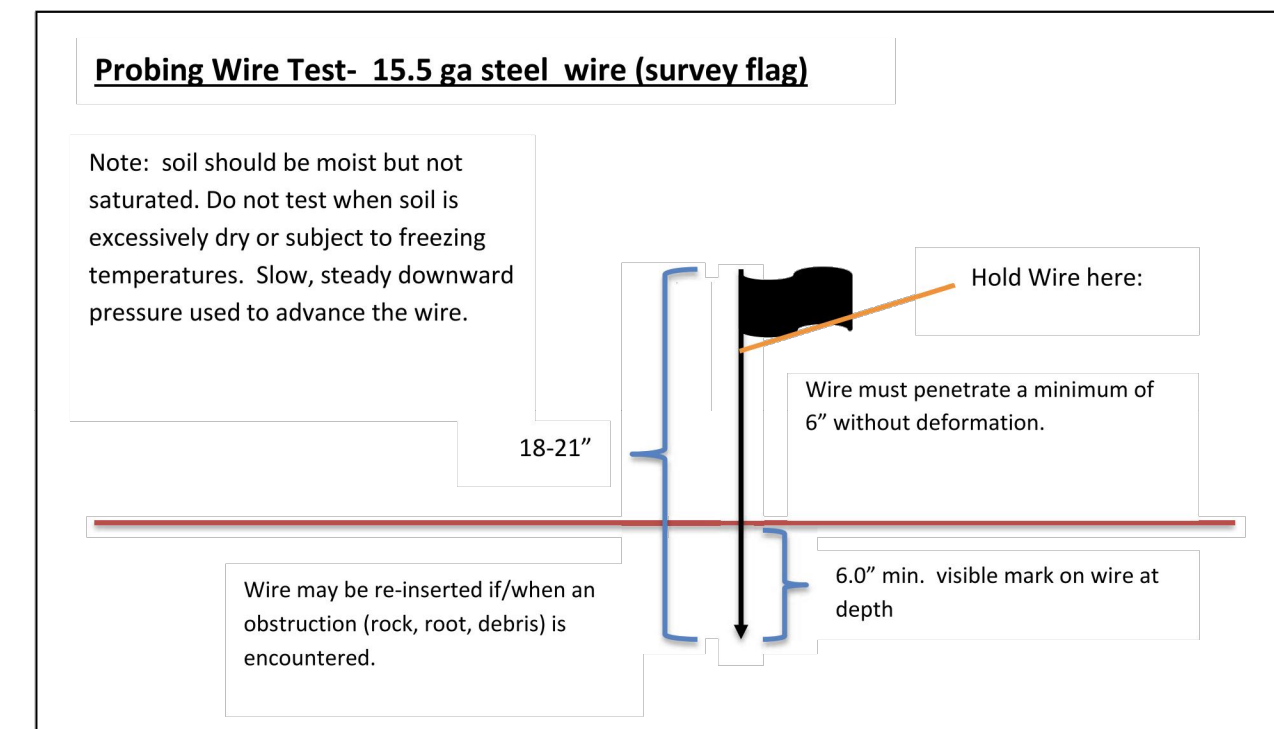
**TOPSOIL STOCKPILE DETAIL**  
NOT TO SCALE



- NOTES:
1. GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE POST BY USE OF WIRE TIES OR HOG RINGS. 3 FASTENERS PER POST.
  2. ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO A COMMON POST BY WRAPPING EACH END OF THE FABRIC AROUND THE POST TWICE AND ATTACHING AS SPECIFIED IN NOTE 1 ABOVE. SPACING OF INDIVIDUAL ROLLS SHALL NOT OCCUR AT LOW POINTS.
  3. PLACE SILT FENCE AT LOCATIONS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
  4. SILT FENCE SHALL BE INSTALLED SO THAT WATER CANNOT BYPASS THE FENCE AROUND THE SIDES.
  5. CONTRACTOR SHALL BE RESPONSIBLE FOR FREQUENT INSPECTION, AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS POSSIBLE.
  6. SILT FENCE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL REMOVE SILT FENCE UPON PERMANENT STABILIZATION OF THE AREAS UPHELD FROM THE FENCE.

**SILT FENCE**  
NOT TO SCALE

**Simplified Testing Methods**



**Soil De-compaction and Testing Requirements**

**Soil Compaction Testing Requirements**

1. Subgrade soils **prior to the application of topsoil** (see permanent seeding and stabilization notes for topsoil requirements) shall be free of excessive compaction to a depth of 6.0 inches to enhance the establishment of permanent vegetative cover.
2. Areas of the site which are subject to compaction testing and/or mitigation are **graphically denoted** on the certified soil erosion control plan.
3. **Compaction testing locations** are denoted on the plan. A copy of the plan or portion of the plan shall be used to mark locations of tests, and attached to the compaction mitigation verification form, available from the local soil conservation district. This form must be filled out and submitted prior to receiving a certificate of compliance from the district.
4. In the event that testing indicates compaction in excess of the maximum thresholds indicated for the simplified testing methods (see details below), the contractor/owner shall have the option to perform either (1) compaction mitigation over the entire mitigation area denoted on the plan (excluding exempt areas), or (2) perform additional, more detailed testing to establish the limits of excessive compaction whereupon only the excessively compacted areas would require compaction mitigation. Additional detailed testing shall be performed by a trained, licensed professional.

**Compaction Testing Methods**

- A. Probing Wire Test (see detail)
- B. Hand-held Penetrometer Test (see detail)
- C. Tube Bulk Density Test (licensed professional engineer required)
- D. Nuclear Density Test (licensed professional engineer required)

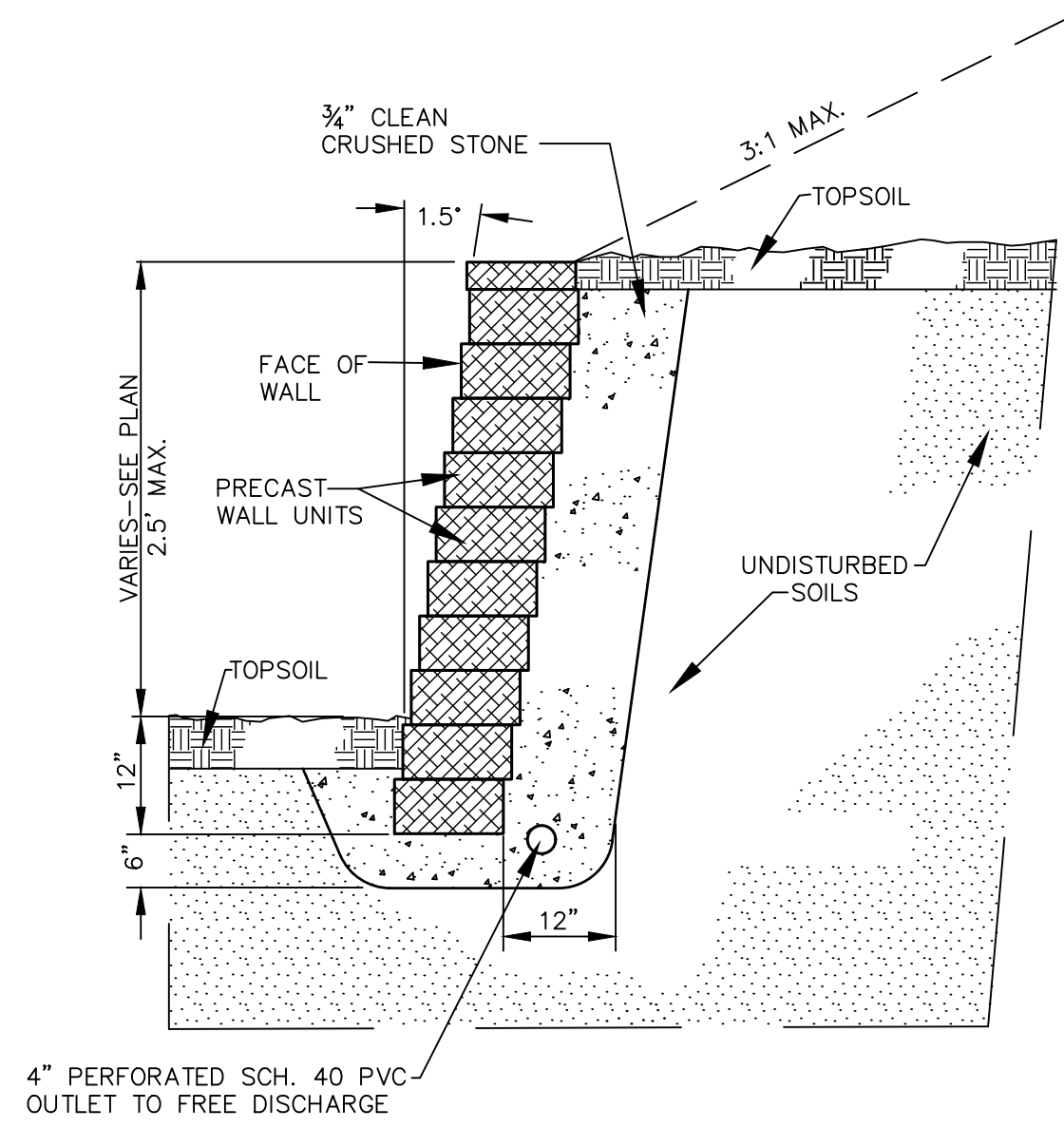
Note: Additional testing methods which conform to ASTM standards and specifications, and which produce a dry weight, soil bulk density measurement may be allowed subject to District approval.

Soil compaction testing is not required if/when subsoil compaction remediation (scarification/tillage (6" minimum depth) or similar) is proposed as part of the sequence of construction.

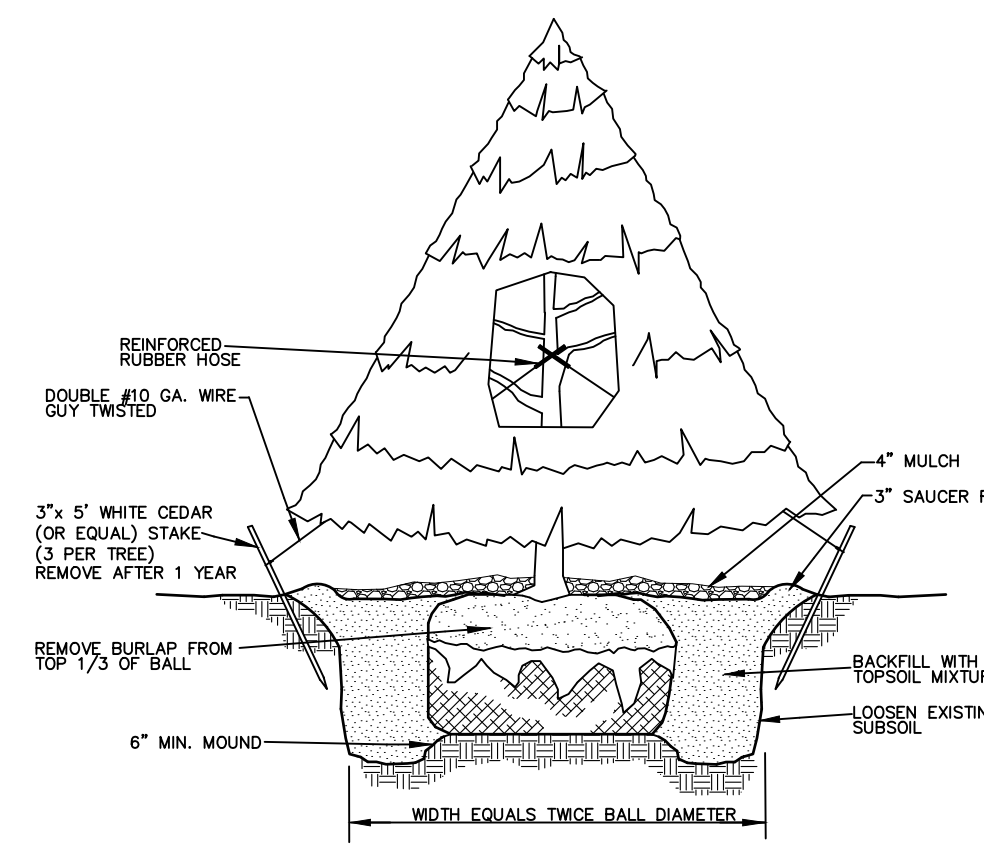
**Procedures for Soil Compaction Mitigation**

Procedures shall be used to mitigate excessive soil compaction **prior to placement of topsoil** and establishment of permanent vegetative cover.

**Restoration of compacted soils shall be through deep scarification/tillage (6" minimum depth)** where there is no danger to underground utilities (cables, irrigation systems, etc.). In the alternative, another method as specified by a New Jersey Licensed Professional Engineer may be substituted subject to District Approval.



**RETAINING WALL  
PRECAST MASONRY UNITS**



- NOTES:
1. STAKES TO BE DRIVEN INTO UNDISTURBED SOIL.
  2. PRUNE ALL BROKEN OR DAMAGED BRANCHES.
  3. GROUND LINE TO BE THE SAME AS EXISTED AT NURSERY.
  4. FOLLOW DETAIL ABOVE FOR TREE PLANTING.
  5. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERMEN'S STANDARDS.

**EVERGREEN TREE PLANTING**  
NOT TO SCALE

**CONSTRUCTION SEQUENCE**

| ITEM | DURATION | DESCRIPTION  |
|------|----------|--|
| 1    | 2 DAYS   | NOTIFY MUNICIPAL ENGINEER AND SOIL CONSERVATION DISTRICT AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE.              |
| 2    | 3 DAYS   | INSTALL SILT FENCE AND STABILIZED CONSTRUCTION ACCESS. MAINTAIN THROUGHOUT DURATION OF WORK.                           |
| 3    | 1 DAY    | STRIP TOPSOIL FROM AREAS TO BE GRADED. STOCKPILE TOPSOIL AND STABILIZE.  |
| 4    | 2 DAYS   | ROUGH GRADE POOL AREA AND ADDITION PAD. CONSTRUCT RETAINING WALLS.   |
| 5    | 90 DAYS  | CONSTRUCT ADDITION.  |
| 6    | 3 DAYS   | INSTALL ROOF LEADER COLLECTION DRAIN. CONSTRUCT DRY WELL.  |
| 7    | 20 DAYS  | CONSTRUCT INGROUND POOL AND ENCLOSURE FENCE.   |
| 8    | 2 DAYS   | FINE GRADE. IF/WHERE REQUIRED, CONDUCT SUBSOIL COMPACTION REMEDIATION BY SCARIFICATION OR TILLAGE TO 6" MINIMUM DEPTH. |
| 9    | 2 DAYS   | PLACE TOPSOIL (4" MINIMUM DEPTH) AND PERMANENTLY STABILIZE ALL DISTURBED AREAS.  |
| 10   | 1 DAY    | REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AFTER PERMANENT VEGETATION IS ESTABLISHED.                                  |

**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 fourteen (14) 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 22 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 23 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 22 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 "Standard for Permanent Vegetative Cover for Soil Stabilization". 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 sub base 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 48 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.
  - 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.
  - d) Mulch disturbed soil 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 rate of 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: 48 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.

| NUMBER | DATE    | REVISION                           |
|--------|---------|------------------------------------|
| 4      | 8/2/21  | RECORD ISSUE-NO REVISION THIS SHT. |
| 3      | 5/3/21  | PER C.O.A & WALKOUT BASEMENT       |
| 2      | 12/2/20 | PER 11-23-20 SCD COMMENT LTR.      |
| 1      | 9/8/20  | PER UPDATED ADDITION FOOTPRINT     |

SCALE IN FEET

**FINELLI CONSULTING ENGINEERS**  
CERTIFICATE OF AUTHORIZATION NO. 246A27918500

TELEPHONE: (908) 835-9500 205 ROUTE 31 NORTH  
FAX: (908) 835-9909 WASHINGTON, N.J. 07882

*Michael S. Finelli*  
Michael S. Finelli, P.E., P.P., C.M.E.  
NJ Professional License No. 32396

**PLOT PLAN & GRADING PLAN  
PROPOSED ADDITION AND POOL  
AT  
BLOCK 13204  
LOT 20  
LONG HILL TOWNSHIP  
MORRIS COUNTY, NEW JERSEY**

| DATE:            | SCALE:     | PROJECT NUMBER: |
|------------------|------------|-----------------|
| 07/16/20         | NTS        | PLMC19116       |
| DRN. BY/CHK. BY: | FIELD BOOK | SHEET:          |
| MOJO/MSF         | NA         | 2 of 2          |