

SOIL EROSION & SEDIMENT CONTROL NOTES:

1. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED IN NEW JERSEY, THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, 7TH EDITION, NEW JERSEY, 2014, REVISED JULY 2017.
2. THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT OCCURS AS A RESULT OF THE PROJECT.
3. THE SOIL EROSION INSPECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
4. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
5. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED AND MAINTAINED WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
6. APPLICATION EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
7. THE CONTRACTOR SHALL PERFORM ALL WORK, FINISH ALL MATERIALS AND INSTALL ALL OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
8. ANY DISTURBED AREA SHALL BE LEFT EXPOSED FOR LESS THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE CONTRACTOR SHALL APPLY TOPSOIL TO THE DISTURBED AREA WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (I.E. PEG AND TINE, WHICH NETTING OR LOUDED MULCH BINDER).
9. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION AND RATES OF APPLICATION AT THE REQUEST OF THE SOIL CONSERVATION DISTRICT.
10. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. THE SEEDING SHALL BE PERFORMED IMMEDIATELY FOLLOWING ROUGH GRADING.
11. THE SITE SHALL BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERSED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
12. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
13. A CRUSHED STONE, THE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE STABILIZED PAD WILL BE INSTALLED ACCORDING TO THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS.
14. ALL DRIVEWAYS MUST BE STABILIZED WITH CRUSHED STONE OR SUBSTRATE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
15. REMOVE ANY SEDIMENT THAT MAY BE SPILLED, DROPPED, OR TRACKED OFF THE PROJECT SITE. ALL PAVED ROADS—WAY ADJACENT TO THE PROJECT SITE MUST BE MAINTAINED IN A CLEAN, SHEET CONDITION THROUGHOUT CONSTRUCTION.
16. ALL CATCH BASIN INLETS WILL BE PROTECTED ACCORDING TO THE CERTIFIED PLAN.
17. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
18. ALL DEMOLITION OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC.
19. N.E.S.A. 424-29, ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLETED WITH PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED WITHIN THE SPECIFIED TIME FRAME. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
20. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
21. ANY CONVICTION OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER SOIL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
22. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING OF TOPSOIL, THE CONTRACTOR SHALL TAKE IMMEDIATE MEASURES TO STABILIZE EXPOSED SOILS. THIS TIME COVER, STABILIZE TOPSOIL, FILL WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISHMENT OF TEMPORARY SEEDING. ALL SOIL STOCKPILES MUST BE COVERED WITH A PROTECTIVE MULCH. MULCH SHALL BE APPLIED TO ROADSIDE OR BRANDED FACILITY AND THE MULCH SHALL BE PROTECTED WITH A SEDIMENT BARRIER.
23. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SIMPSON OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
24. METHODS FOR THE MANAGEMENT OF HIGH AOD PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. METHODS FOR MANAGEMENT OF HIGH AOD PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. METHODS FOR MANAGEMENT OF HIGH AOD PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
25. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
26. DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND MAY INCLUDE WATERING WITH A SOLUTION OF CALCIUM CHLORIDE AND WATER.
27. ADJACENT PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
28. USE STAGED CONSTRUCTION METHODS TO MINIMIZE EXPOSED SURFACES, WHERE APPLICABLE.
29. ALL VEGETATIVE MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH AMERICAN STANDARDS FOR NURSERY STOCK OF THE AMERICAN ASSOCIATION OF THE NURSERY AND LAND IN NEW JERSEY WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
30. NATURAL VEGETATION AND SPECIES SHALL BE MAINTAINED WHERE SPECIFIED ON THE LANDSCAPE PLAN.
31. THE REMOVAL OF NATURAL VEGETATION AS SEEN OR AS SHOWN ON ALL ASSETS SHALL BE ACCORDING WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
32. EXCAVATED SOIL MATERIAL SHALL NOT BE PLACED ADJACENT TO RIVERS, STREAMS OR BODIES OF WATER. EXCESS BORROW MATERIAL REMOVED FROM THE CONSTRUCTION SITE SHALL BE STABILIZED AT THE SITE OF PLACEMENT. THIS CERTIFICATION IS LIMITED TO THE DISTRICT JURISDICTION AND DOES NOT CONSTITUTE AN ENDORSEMENT OF THE LAND USE UNLESS SUCH USE HAS BEEN PREVIOUSLY APPROVED BY THE MUNICIPALITY, COUNTY, STATE AGENCY OR OTHER CONTROLLING AGENCY.

MULCH ANCHORING

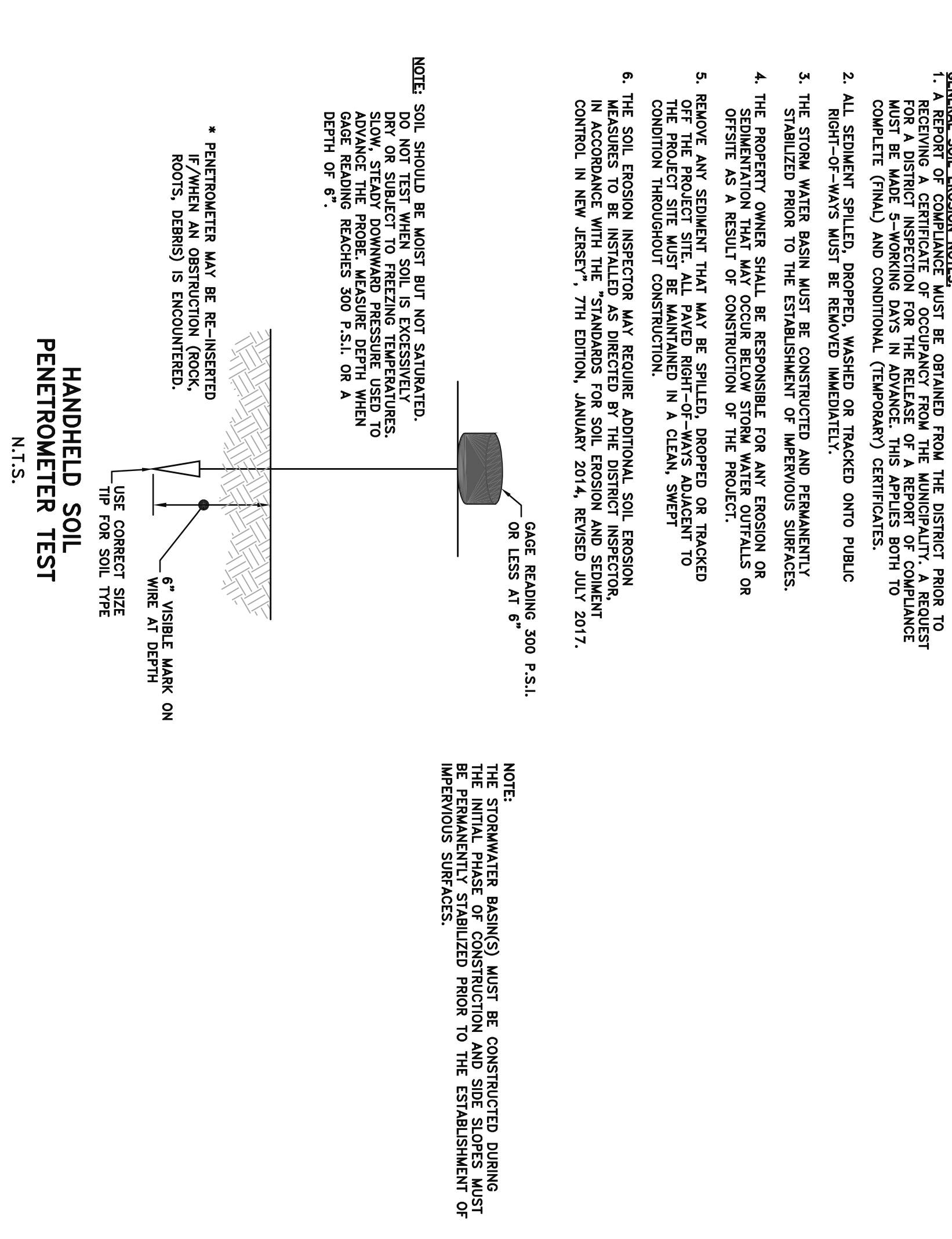
MULCH ANCHORING - SHOULD BE INSTALLED IMMEDIATELY AFTER PLACEMENT OF MULCH OR STRAW MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES.

- A. PEG AND TINE - DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER MULCH IS APPLIED. PEGS SHOULD BE DRIVEN TO A CROSS-CROSS AND A SQUARE PATTERN, SECURE TINE AND FOG WITH TWO OR MORE ROUND TUBES.
- B. MULCH NETTING - STABLE PAPER, COTTON, OR PLASTIC NETTINGS OVER MULCH. USE 4 FEET WIDE AND UP TO 500 FEET LONG. NETTING IS USUALLY AVAILABLE IN ROLLS 4 FEET WIDE AND UP TO 500 FEET LONG.
- C. CHAINSAW MULCH ANCHORING COLLAR TOOL - A TRACTOR-DRIVEN, WEIGHTED ESPECIALLY DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE. THIS PRACTICE IS APPLICABLE TO ALL TYPES OF MULCH AND STRAW MULCH. THIS PRACTICE IS APPLICABLE TO ALL TYPES OF MULCH AND STRAW MULCH. THIS PRACTICE IS APPLICABLE TO ALL TYPES OF MULCH AND STRAW MULCH.
- D. LIQUID MULCH-BINDERS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH. IN VALLEYS, AND AT CRESTS OF BANKS, REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.

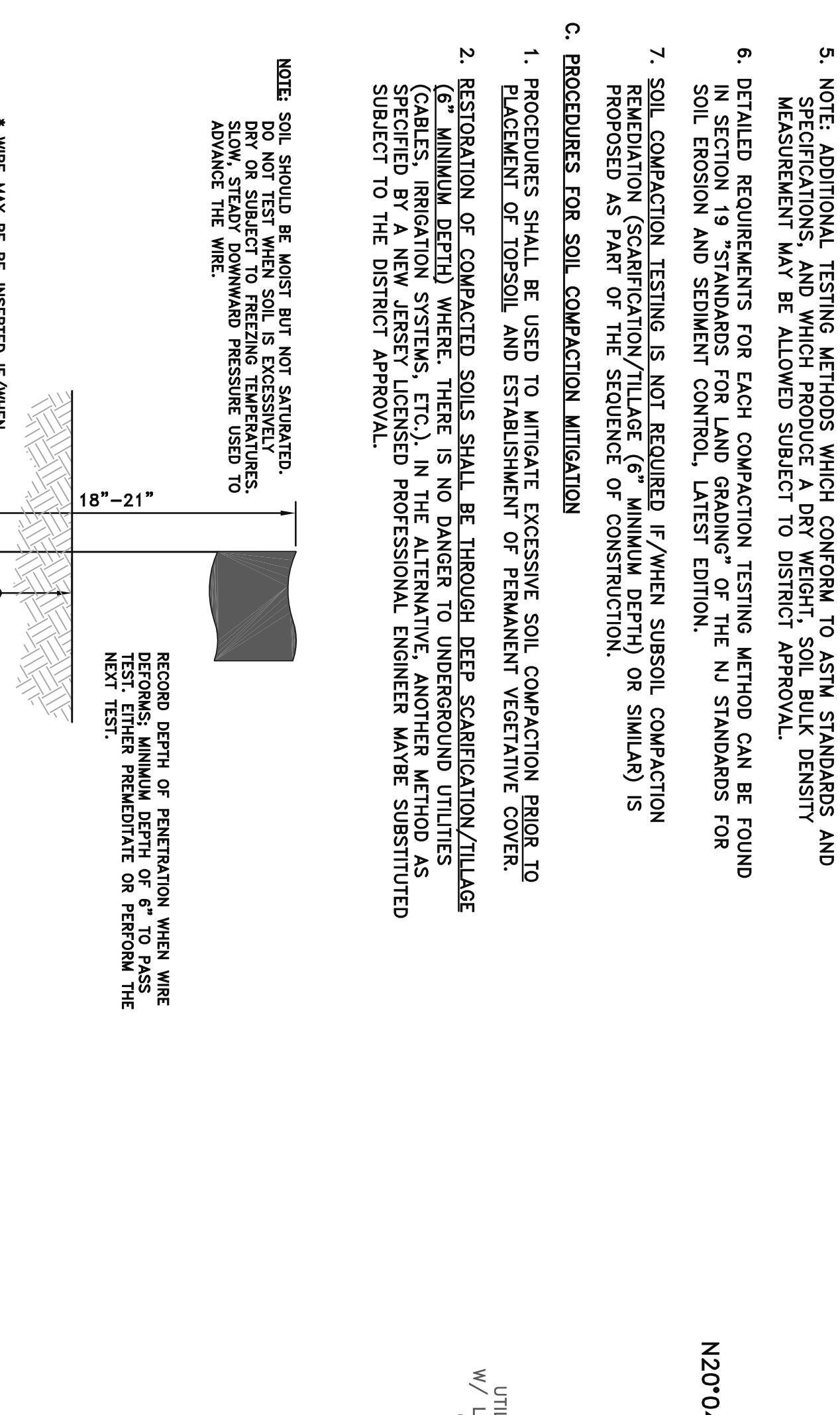
2. USE ONE OF THE FOLLOWING:
 - A. NATURALLY OCCURRING, PIONEER BASED, HERBICIDE MATERIALS THAT MIXED WITH WATER FORMULATES A GEL AND THEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL STABILIZE MULCH TO PREVENT WIND OR WATER EROSION. THESE PRODUCTS SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOXIC EFFECT ON UNDER GROWTH OF TURFGRASS. REGULAR BASED GELS SHALL BE APPLIED AT 1/2 GALLON PER 1000 SQUARE FEET. USE 1/2 GALLON PER 1000 SQUARE FEET.
 - B. SYNTHETIC BINDERS - MIXING APPLICATION OF LIME, AMMONIUM NITRATE WITH WATER. APPLY AT 1/2 GALLON PER 1000 SQUARE FEET. USE 1/2 GALLON PER 1000 SQUARE FEET. USE 1/2 GALLON PER 1000 SQUARE FEET.

REGULATION OF SOIL EROSION AND SEDIMENTATION ON PLANT AND SOIL. DUST FROM BLOWING OFF OF THE SITE AND IS CONSISTENT WITH THE USE OF MULCH PROCEDURES IS ALSO A RECOMMENDED METHOD OF REDUCING DUST CONTROL MEASURES:

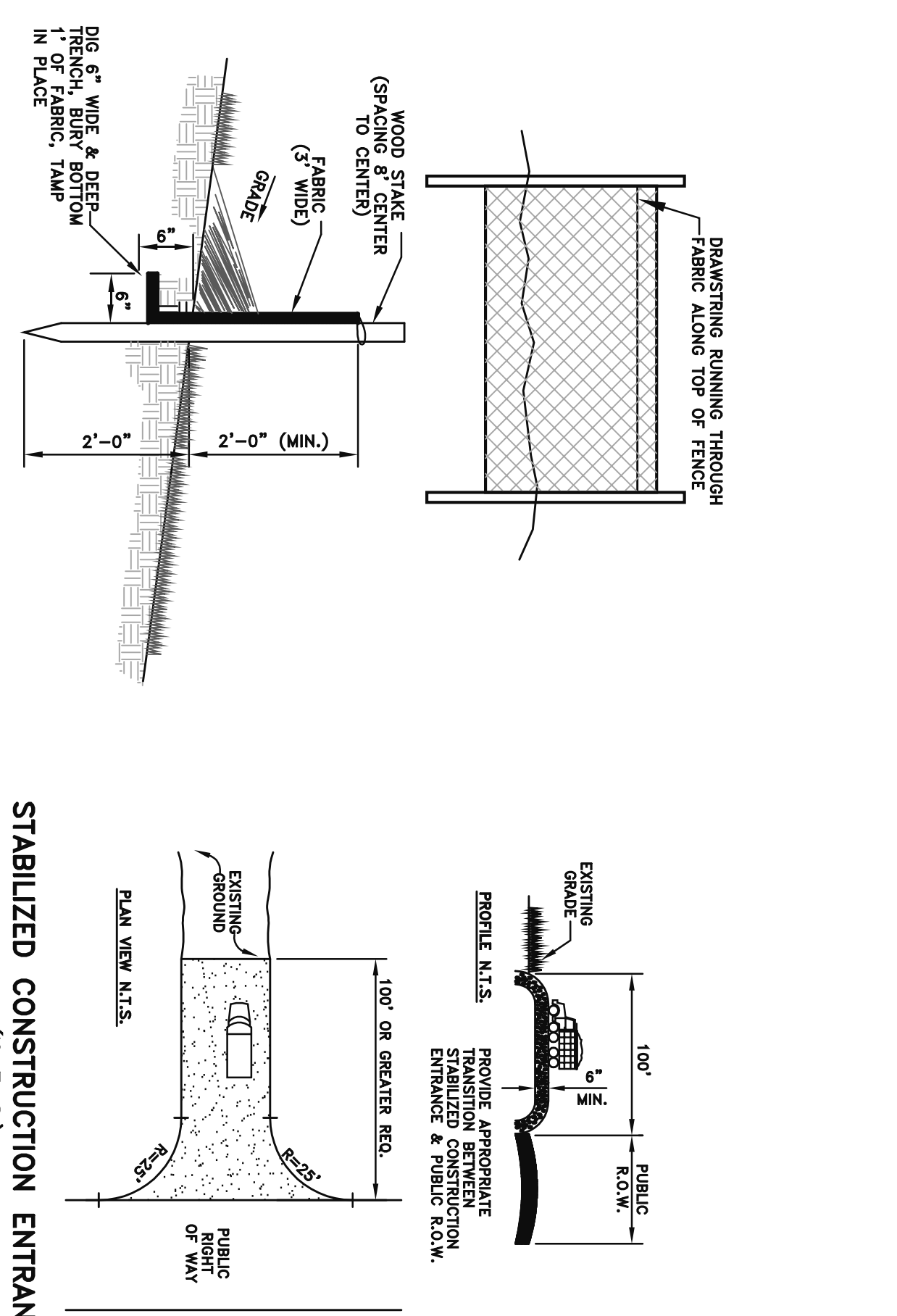
- GENERAL SOIL EROSION NOTES:**
1. A REGIONAL COMMITTEE OF REPRESENTATIVES FROM THE MUNICIPALITY REQUEST FOR A DISTRICT INSPECTION FOR THE RELEASE OF A REPORT OF COMPLIANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH EDITION, NEW JERSEY, 2014, REVISED JULY 2017. COMPLETE (FINAL) AND CONTINUAL (TEMPORARY) CERTIFICATES.
 2. ALL SEDIMENT SPILLS, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
 3. THE STORM WATER BASIN MUST BE CONSTRUCTED AND PERMANENTLY STABILIZED PRIOR TO THE ESTABLISHMENT OF TURFGRASS.
 4. THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT OCCURS AS A RESULT OF THE PROJECT.
 5. REMOVE ANY SEDIMENT THAT MAY BE SPILLED, DROPPED OR TRACKED OFF THE PROJECT SITE. ALL PAVED ROADS—WAY ADJACENT TO THE PROJECT SITE MUST BE MAINTAINED IN A CLEAN, SHEET CONDITION THROUGHOUT CONSTRUCTION.
 6. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED IN NEW JERSEY, THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH EDITION, NEW JERSEY, 2014, REVISED JULY 2017.



- SOIL DE-COMPACTION AND TESTING REQUIREMENTS:**
1. SUBGRADE SOILS ERROR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE PERMANENT VEGETATIVE COVER.
 2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION SHALL BE IDENTIFIED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
 3. COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. LOCATIONS ID'S SHALL BE IDENTIFIED ON THE PLAN. THESE LOCATIONS WILL 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/OOWNER SHALL HAVE THE OPTION TO PERFORM DEEP (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THIS PLAN (EXCLUDING THE LIMITED EXCESSIVE COMPACTION WHEREFOR ON THIS PLAN). DEEP (2) COMPACTION AREAS WOULD REQUIRE COMPACTION MITIGATION, ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.
- B. COMPACTION TESTING METHODS**
1. PROBING WIRE TEST (SEE DETAIL)
 2. HAND-HELD PENETROMETER TEST (SEE DETAIL)
 3. TOBE BULK DENSITY TEST (LICENSED PROFESSIONAL REQUIRED)
 4. NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL REQUIRED)
 5. NOTE: ADDITIONAL TESTING METHODS WHICH CONVEY TO ASSET STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DEPTH WHICH SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
 6. DETAILED REQUIREMENTS FOR EACH COMPACTION TESTING METHOD CAN BE FOUND IN SECTION 19 "STANDARDS FOR LAND GRADING" OF THE N.J. STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.
 7. SOIL COMPACTION TESTING IS NOT REQUIRED IF ANY SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.
- C. PROCEDURES FOR SOIL COMPACTION MITIGATION**
1. PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION ERROR TO
 2. RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (GAS, ELECTRIC, FIBER OPTIC, ETC.). THE METHOD OF MITIGATION SHALL BE DETERMINED BY THE LICENSED PROFESSIONAL ENGINEER AND BE SUBJECT TO THE DISTRICT APPROVAL.



- TOPSOIL A SOIL DE-COMPACTATION REQUIREMENTS:**
1. TOPSOIL APPLICATION OF 3 INCHES MINIMUM THICKNESS SHALL BE APPLIED TO ALL AREAS OF THE SITE TO IMPROVE THE SOIL. TOPSOIL SHALL BE APPLIED TO ALL AREAS OF THE SITE TO IMPROVE THE SOIL.
 2. SUBGRADE SOILS SHALL BE FREE OF EXCESSIVE COMPACTION AND/OR TURFGRASS BEFORE TOPSOIL IS APPLIED TO ALL AREAS OF THE SITE. TOPSOIL SHALL BE APPLIED TO ALL AREAS OF THE SITE TO IMPROVE THE SOIL.
 3. SUBSOILS ARE TO BE PROACTIVELY DE-COMPACTED OR SOIL COMPACTION TESTED PRIOR TO THE APPLICATION OF TOPSOIL. THE TESTING METHOD/PROCEDURE SHALL BE PERFORMED BY THE LICENSED PROFESSIONAL ENGINEER AND BE SUBJECT TO DISTRICT APPROVAL. IF THE TESTING INDICATES SUBSOIL COMPACTION, THE SUBSOIL SHALL BE DE-COMPACTED TO A DEPTH OF 6 INCHES FROM TO THE APPLICATION OF TOPSOIL.
 4. IF COMPACTION TESTING IS NOT PERFORMED, SUBSOILS SHALL BE SCARIFIED/TILLED TO A MINIMUM DEPTH OF 6 INCHES AS NOTED ON THE PLAN. THE METHOD OF MITIGATION SHALL BE DETERMINED BY THE LICENSED PROFESSIONAL ENGINEER AND BE SUBJECT TO DISTRICT APPROVAL.

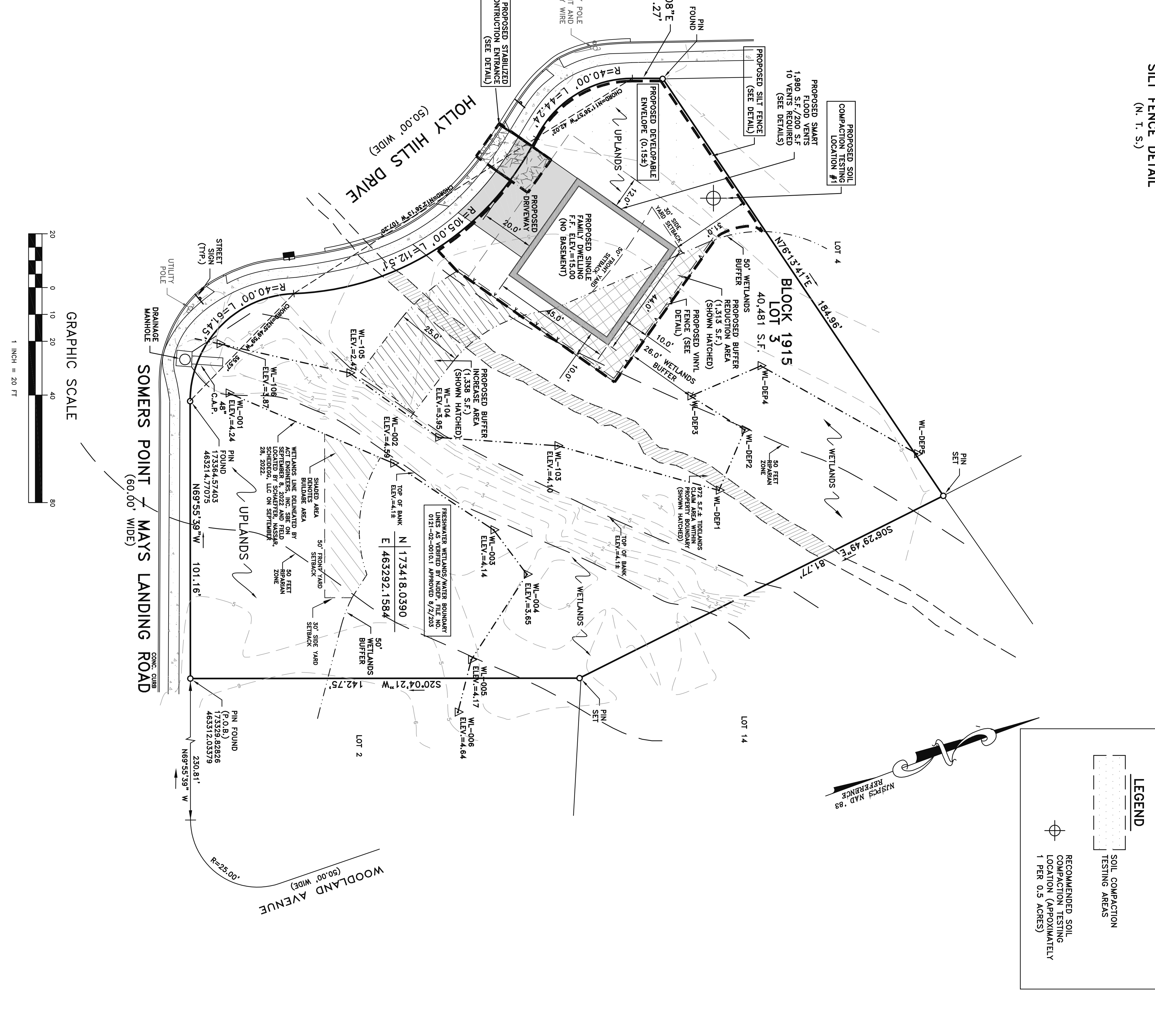


STABILIZED CONSTRUCTION ENTRANCE
(N. T. S.)

LEGEND

- SOIL COMPACTION TESTING AREAS
- RECOMMENDED SOIL COMPACTION TESTING LOCATION (APPROXIMATELY 1 PER 0.5 ACRES)

NO.	DESCRIPTION	1-DAY	2-DAY	3-DAY	4-MONTHS	1-WEEK	1-WEEK
1	NOTIFY THE CARE ATLANTIC CONSERVATION DISTRICT IN WRITING AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION						
2	INSTALLATION OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES MUST BE COMPLETED PRIOR TO THE ESTABLISHMENT OF TURFGRASS						
3	CLEANING AND ROUGH GRADE SITE						
4	DURING THE INITIAL PHASE OF CONSTRUCTION AND PRIOR TO THE ESTABLISHMENT OF TURFGRASS, STORMWATER						
5	INSTALLATION OF ALL SITE IMPROVEMENTS						
6	INSTALLATION AFTER STORM WATER						
7	SOIL COMPACTION TESTING AND/OR SUBSOIL COMPACTION TESTING						
8	SOIL COMPACTION TESTING AND/OR SUBSOIL COMPACTION TESTING AND/OR TOPSOIL DE-COMPACTED TO A MINIMUM DEPTH OF 6 INCHES FROM TO THE APPLICATION OF TOPSOIL						
9	TOPSOIL (6" MINIMUM DEPTH) AND FINAL GRADING OF THE SITE						
10	PERMANENT STABILIZATION OF THE SITE						
11	OBTAIN A FINAL REPORT OF COMPLIANCE FROM THE SOIL CONSERVATION DISTRICT						
12	REMOVAL OF SOD WEEDERS						



DATE:	1/20/25
SCALE:	1/4"=20'
BY:	A.S.
CHECKED:	A.S.
SHEET NO.:	1

SOIL EROSION & SEDIMENT CONTROL PLAN FOR:
JAMES GIN

SOMERS POINT-MAYS LANDING ROAD, BLOCK 1915, LOT 3
CITY OF SOMERS POINT, ATLANTIC COUNTY, NEW JERSEY
ZONE: HC2 - HIGHWAY COMMERCIAL, TAX MAP SHEET #22

<p>ANDREW F. SCHAEFFER PROFESSIONAL ENGINEER</p>	<p>HOWARD A. TRANSUE PROFESSIONAL LAND SURVEYOR</p>
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