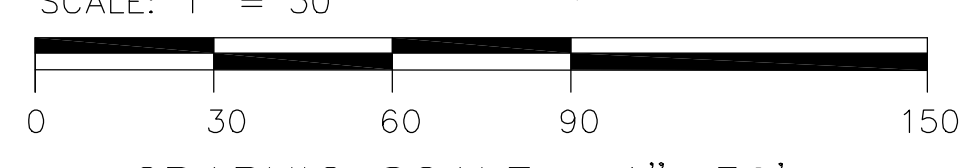
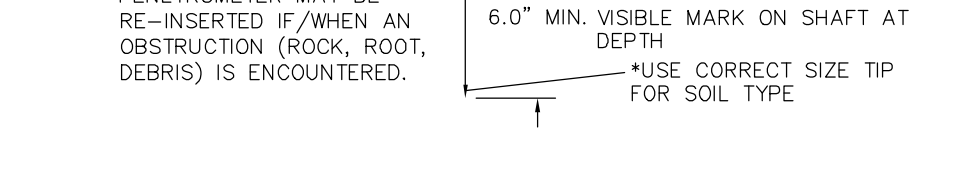
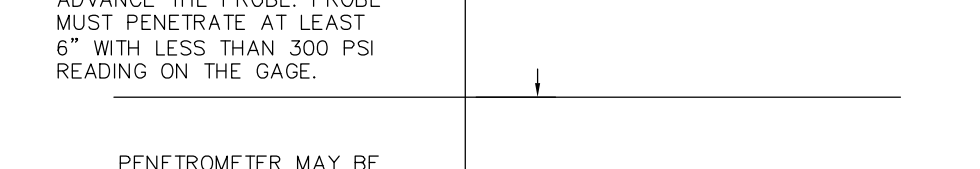
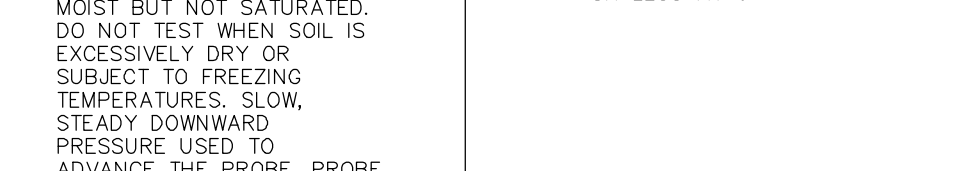
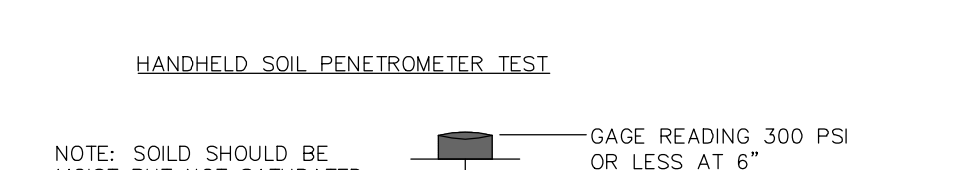
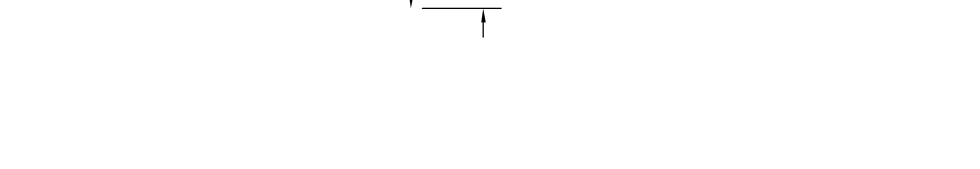
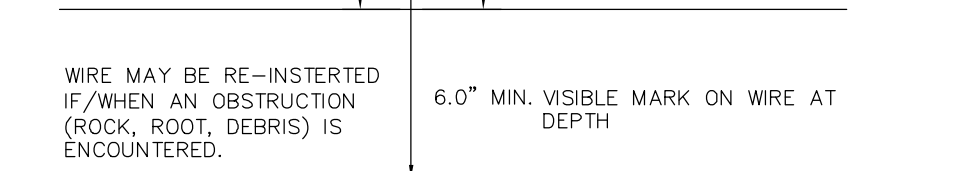
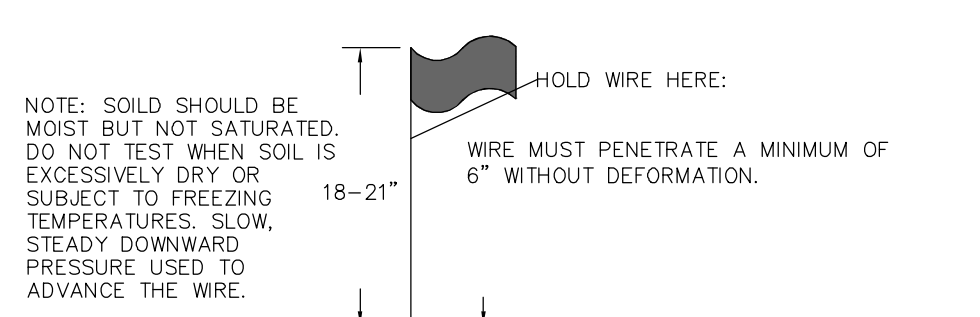


SOIL EROSION



SCALE: 1" = 30'

PROBING WIRE TEST - 15.5 GA STEEL WIRE (SURVEY FLAG)



GENERAL NOTES:

- THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE USED WITHOUT HIS CONSENT.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL PLAN DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- ALL UTILITY LOCATIONS ARE TO BE CONSIDERED APPROXIMATE. THE CONTRACTOR IS TO VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO START OF CONSTRUCTION.
- ALL EQUIPMENT, MATERIALS, AND TOOLS SHALL BE KEPT OFF THE PROPERTY IN QUESTION, NO ENCROACHMENT ONTO TOWN R.O.W. OR ADJACENT PROPERTIES IS PERMITTED, UNLESS OTHERWISE SPECIFIED ON THE PLAN.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY. ALL SAFETY PRECAUTIONS MUST BE UNDERTAKEN AND MAINTAINED AS REQUIRED BY LOCAL, STATE, AND FEDERAL CODES.
- IT IS THE APPLICANT'S RESPONSIBILITY TO REPAIR ANY CURB AND SIDEWALK DAMAGED IN FRONT OF THE PROPERTY AS PER TOWNSHIP ENGINEER.
- SILT FENCES ARE TO BE INSTALLED AROUND THE DISTURBED AREAS DURING CONSTRUCTION.
- F.C. MEOLA, LLC REPRESENTS THE PLANS TO BE COMPLETE AS OF THE LAST REVISION DATE. SHOULD THE OWNER, BUILDER AND/OR CONTRACTOR CHOOSE SOMEONE OTHER THAN F.C. MEOLA, LLC TO STAKE OUT THE PROPOSED IMPROVEMENTS INDICATED ON THESE PLANS, THE OWNER, BUILDER, CONTRACTOR AND/OR SURVEYOR SHALL ASSUME ALL RESPONSIBILITY AND LIABILITY TO REVIEW THE SITE CONDITIONS AND MAKE ANY NECESSARY FIELD ADJUSTMENTS TO COMPLY WITH THE SCOPE OF THESE PLANS.
- ANY WORK WITHIN THE RIGHT OF WAY WILL REQUIRE A ROAD OPENING PERMIT.
- SANITARY SEWERS SHALL BE SEPARATED FROM WATER MAINS BY 10 FT HORIZONTALLY. IF THE SAID SEPARATION IS NOT POSSIBLE, THE SANITARY PIPE SHALL BE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN OR ENCASED IN CONCRETE AS PER N.J. ADMINISTRATIVE CODE (7:14A-23.6(b)(4)).
- VERTICAL ELEVATION DATUM ASSUMED.
- ALL SEWER INSTALLATION AND CONNECTIONS MUST MEET LOCAL SEWERAGE AUTHORITY STANDARDS AND REGULATIONS.

SOIL DE-COMPACTION AND TESTING REQUIREMENTS:

A. SOIL COMPACTION TESTING REQUIREMENTS

- 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.
- AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
- 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 REMEDIATION 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.
- 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.

B. COMPACTION TESTING METHODS

- PROBING WIRE TEST (SEE DETAIL)
- HAND-HELD PENETROMETER TEST (SEE DETAIL)
- TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- 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.

C. 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.

STANDARD DUST CONTROL NOTES

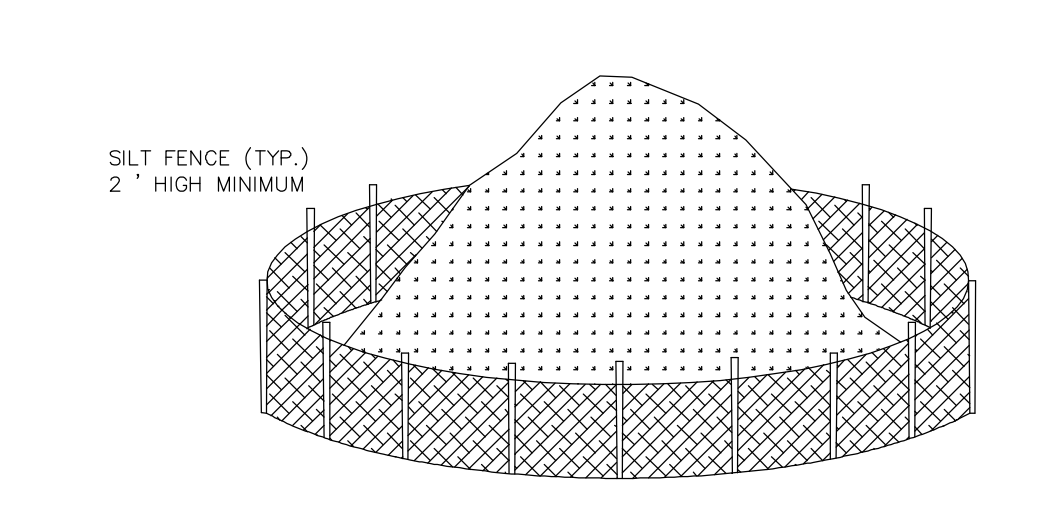
DEFINITION: - The control of dust on construction sites and roads.
PURPOSE: - To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage and health hazards, and improve traffic safety.
WHERE APPLICABLE: - This practice is applicable to areas subject to dust blowing and movement where on- and off-site damage is likely without treatment. Consult with local municipal ordinances on any restrictions.

WATER QUALITY ENHANCEMENT

Sediments deposited as "slud" are often fine colloidal material which is extremely difficult to remove from water once it becomes suspended. Use of this standard will help to control the generation of slud from construction sites and subsequent blowing and deposition into local surface water resources.

PLANNING CRITERIA: - The following methods should be considered for controlling dust:

- Mulches:** See Standards for Stabilization with mulches Only (pg. 5-1)
 - Vegetative Cover:** See Standards for Temporary Vegetative Cover (pg. 7-1), Permanent Vegetative Cover (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.
- | Material | Water Dilution | Type of Nozzle | Gal./Acres |
|----------------------------------|----------------|----------------|------------|
| Antic asphalt emulsion | 7:1 | Cover Spray | 1,200 |
| Latex Emulsion | 12.5:1 | Fine Spray | 235 |
| Resin in Water | 4:1 | Fine Spray | 300 |
| Polysynthetic (PAM) - spray on | | | |
| Polysynthetic (PAM) - dry spread | | | |
| Acidulated Soy Bean Soap Slick | None | Coarse spray | 1,200 |
- 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.
 - Straw/Straw:** 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 granules 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.
 - Stones:** Cover surface with crushed stone or coarse gravel.



- AN ON-SITE DRAINAGE SWALE SHALL BE LOCATED BETWEEN THE TOPSOIL STOCKPILE AND OFF-SITE PROPERTY.
- REFERENCE IS MADE TO THE SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS.
- IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH A BURLAP MATING OR SEEDED WITHIN DAYS OF COMPLETION TO MINIMIZE EROSION.
- INSPECTION OF SILT FENCES SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SEDIMENT TRAPPED BY THE FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.

REFER TO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY - 3.9.1

NOTES:

- THERE WILL BE NO DEVIATION FROM THE PROPOSED GRADING PLAN WITHOUT APPROVAL, IN WRITING FROM THE TOWNSHIP ENGINEER.
- AT THE DISCRETION OF THE TOWNSHIP ENGINEER, APPLICANT MAY BE REQUIRED TO FIELD/DISTURBANCE TO THE SUBJECT PROPERTY.
- THE APPLICANT'S ENGINEER CERTIFIES THAT THE GRADING PLAN CAN TIE INTO EXISTING TOPOGRAPHIC CONTOURS ON ADJOINING LOTS WITHOUT AN ADVERSE GRADING OR DRAINAGE IMPACT AND THAT ALL DISTURBANCE AND GRADING CAN BE LIMITED TO WITHIN THE PROPERTY IN QUESTION.
- THE APPLICANT SHALL, UPON NOTIFICATION FROM THE TOWNSHIP ENGINEER, FIELD STAKE WETLANDS AND/OR BUFFER AREA LIMITS PRIOR TO ANY LAND DISTURBANCE OR CLEARING.
- ALL AREAS WHERE SOIL IS BEING SPREAD ACROSS THE YARD SHALL BE TOP SOIL AND SEEDED IMMEDIATELY FOLLOWING GRADING OPERATIONS.
- STANDARD CONDITIONS FOR GRADING PERMIT APPLICATION:
 - S.C.1 CONTRACTOR SHALL INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION;
 - S.C.2 SOIL PERMEABILITY AND GROUND WATER TABLE SHALL BE SUBMITTED AT LEAST TWO (2) WEEKS PRIOR TO INSTALLATION OF ALL STORMWATER MANAGEMENT FACILITIES;
 - S.C.3 SHOULD SOIL TEST REVEAL A HIGH GROUND WATER TABLE OR LOW PERMEABILITY RATE, A REVISED DRAINAGE DESIGN MAY BE REQUIRED FROM THE APPLICANT'S ENGINEER;
 - S.C.4 CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE STORMWATER MANAGEMENT FACILITY (DRY WELL) BY THE TOWNSHIP ENGINEER AT LEAST ONE (1) WEEK PRIOR TO INSTALLATION;
 - S.C.5 A FINAL AS-BUILT SURVEY DEPICTING THE AS-BUILT CONDITIONS OF THE IMPROVEMENTS PROPOSED AS PART OF THIS APPLICATION SHALL BE REQUIRED PRIOR TO THE ISSUANCE OF ANY PERMITS. UPON COMPLETING ALL WORK AND SUBMITTING AN AS-BUILT SURVEY, OUR OFFICE WILL PERFORM A FINAL SITE INSPECTION TO ENSURE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED APPLICATION AND SUBMITTED AS-BUILT SURVEY.
 - S.C.6 THE PROPERTY OWNER IS AWARE OF THEIR RESPONSIBILITY TO REPAIR ANY DAMAGE TO IMPROVEMENTS WITHIN THE TOWNSHIP RIGHT-OF-WAY INCLUDING, BUT NOT LIMITED TO, SIDEWALK, CURB, AND ALPHALTA CAUSED BY CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE INSTALLATION OF THE IMPROVEMENTS ON THE SUBJECT LOT.
 - S.C.7 THE PROPERTY OWNER IS AWARE THAT IF THE STORMWATER RUNOFF DRAINAGE PROBLEMS OCCUR ON THEIR PROPERTY AND/OR NEIGHBORING PROPERTIES AS A RESULT OF THE PROPOSED IMPROVEMENTS, IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO REMEDY THAT DRAINAGE ISSUE.
 - S.C.8 THIS SITE IS SUBJECT TO ANY AND ALL OTHER AGENCIES HAVING JURISDICTION.

MORRIS COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

- 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.
- 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 AREA WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. SEE NOTE 22 BELOW.
- PERMANENT VEGETATION IS TO BE ESTABLISHED ON EXPOSED AREAS WITHIN TEN (10) DAYS AFTER THE FINAL GRADING. MULCH IS TO BE USED FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED. SEE NOTE 21 BELOW.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS (STEEP SLOPES, ANDY SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN ACCORDANCE WITH NOTE 21 BELOW.
- TEMPORARY DIVERSION BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS. SEE THE DIVERSION DETAIL.
- PERMANENT SEEDING AND STABILIZATION IS TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT COVER FOR SOIL STABILIZATION COVER." SPECIFIED RATES AND LOCATIONS SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SEDIMENTATION STRUCTURES (SILT FENCE, INLET FILTERS, AND SEDIMENT BASINS) WILL BE INSPECTED AND MAINTAINED DAILY.
- STOCKPILES SHALL NOT BE LOCATED WITHIN 50 FEET OF A FLOOD PLAN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPILE BASES SHALL HAVE A SILT FENCE PROPERLY ENTRENCHED AT THE TOE OF THE SLOPE.
- STABILIZATION CONSTRUCTION ACCESS WILL BE INSTALLED, WHENEVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. SEE THE STABILIZED CONSTRUCTION ACCESS DETAIL AND CHART FOR DIMENSIONS.
- ALL NEW ROADWAYS WILL BE TREATED WITH SUITABLE SUBBASE UPON ESTABLISHMENT OF FINAL GRADE ELEVATIONS.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AS REQUIRED.
- ALL DEWATERING OPERATIONS MUST BE DISCHARGED DIRECTLY INTO A SEDIMENT FILTER AREA. THE FILTER SHOULD BE COMPOSED OF A FABRIC OR APPROVED MATERIAL.
- ALL SEDIMENT BASINS WILL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. A CLEAN OUT ELEVATION SHALL BE IDENTIFIED ON THE PLAN AND A MARKER INSTALLED ON THE SITE.
- 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 RESPONSIBILITIES WILL END WHEN COMPLETED WORK IS APPROVED BY THE MORRIS COUNTY SOIL CONSERVATION DISTRICT.
- 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.
- THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.
- 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.
- TOPSOIL STOCKPILE PROTECTION:
 - a. APPLY GROUND LIMESTONE AT A RATE OF 90 lbs. PER 1000 sf.
 - b. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 lbs. PER 1000 sf.
 - c. APPLY PERENNIAL RYE GRASS SEED AT 1 lb. PER 1000 sf. AND ANNUAL RYE GRASS AT 1 lb. PER 1000 sf.
- MULCH STOCKPILE WITH STRAW OR HAY AT A CREATE OF 90 lbs. PER 1000 sf.
- PROPERLY ENTRENCH A SILT FENCE AT THE BOTTOM OF THE STOCKPILE.
- TEMPORARY STABILIZATION SPECIFICATIONS:
 - a. APPLY GROUND LIMESTONE AT A RATE OF 90 lbs. PER 1000 sf.
 - b. APPLY FERTILIZATION (10-20-10) AT A RATE OF 11 lbs. PER 1000 sf.
 - c. APPLY PERENNIAL RYE GRASS SEED AT 1 lb. PER 1000 sf. AND ANNUAL RYE GRASS AT 1 lb. PER 1000 sf.
- MULCH STOCKPILE WITH STRAW OR HAY AT A CREATE OF 90 lbs. PER 1000 sf.
- APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.
- 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 sf. AND WORK 4 INCHES INTO THE SOUL.
 - c. APPLY FERTILIZATION (10-20-10) AT A RATE OF 11 lbs. PER 1000 sf.
 - d. APPLY HARD FESCUE SEED 1000 SF. AND GREENING RED FESCUE SEED AT 0.7 lbs. PER 1000 SF. AND PERENNIAL RYE GRASS SEED AT 0.25 lbs. PER 1000 SF.
 - e. MULCH STOCKPILE WITH STRAW OR HAY AT A CREATE OF 90 lbs. PER 1000 sf.
 - f. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

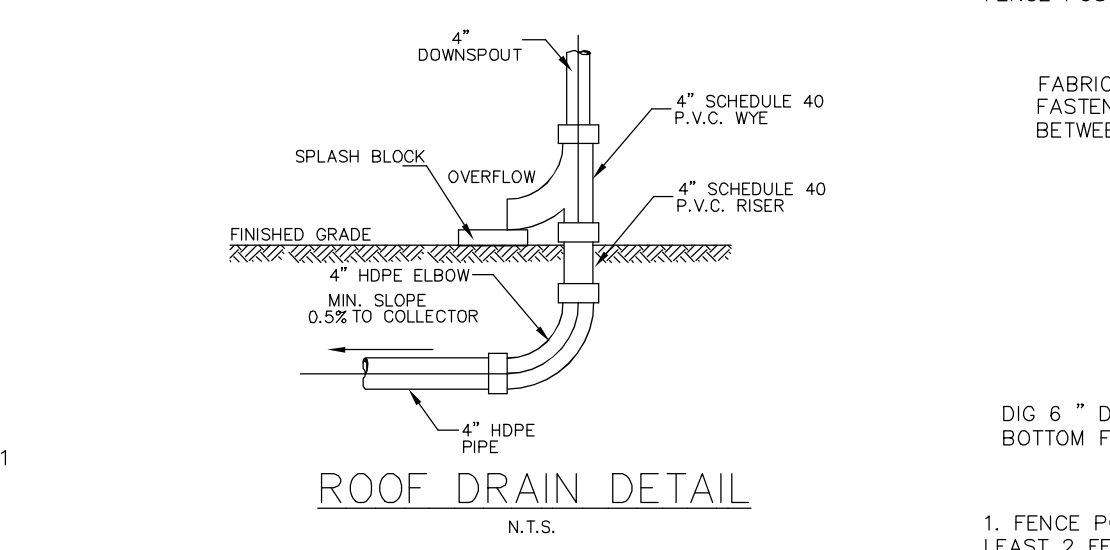
NOTE: 72 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE OF SUCH IN WRITING SHALL BE GIVEN TO THE MORRIS COUNTY SOIL CONSERVATION DISTRICT.

SEQUENCE OF CONSTRUCTION

- INSTALL SOIL EROSION AND SEDIMENT CONTROL DEVICES
- DEMOLITION OF EXISTING STRUCTURES
- CLEAR AND GRUB SITE
- ROUGH GRADE SITE
- CONSTRUCT UTILITIES AND FOUNDATION
- CONSTRUCT DWELLING
- FINAL GRADE SITE, INSTALL LANDSCAPING
- PERMANENT SEED ALL AREAS
- REMOVE SOIL EROSION CONTROL DEVICES WHEN SITE IS STABILIZED

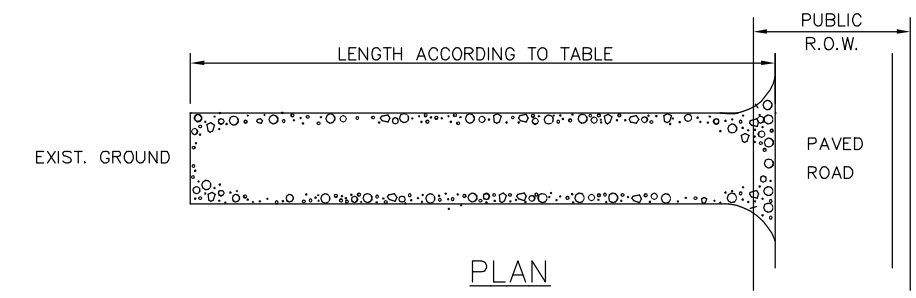
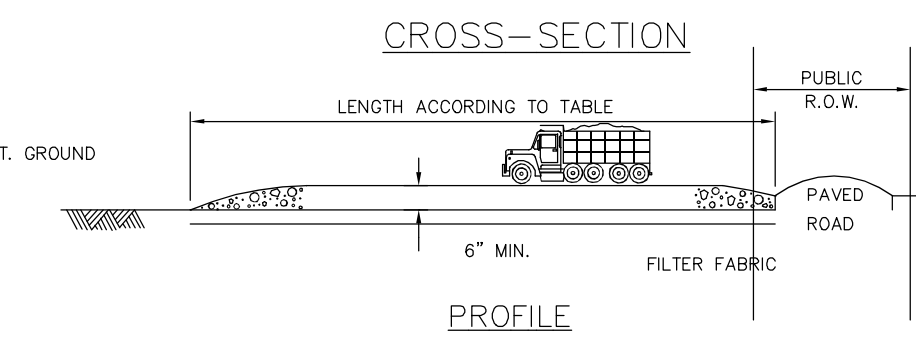
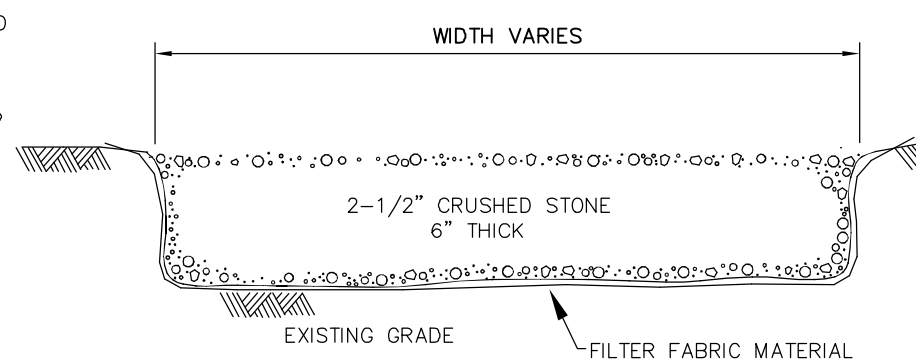
WEEKS

- 1
- 1
- 3
- 5
- 10
- 20
- 3
- 1
- 1



EXISTING TREE PROTECTION NOTES

- TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION. THE CONTRACTOR SHALL TAKE WHATEVER ADDITIONAL MEASURES NECESSARY TO PROTECT EXISTING TREES TO REMAIN AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIAL WITHIN DRIP LINE, EXCESS FLOW TRAFFIC OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE.
- TREE PROTECTION TO BE INSTALLED PRIOR TO CLEARING OF WOODED AREA. ONCE CONSTRUCTION HAS BEEN COMPLETED AND THE AREA AROUND THE PROTECTED TREES HAS BEEN PERMANENTLY SEEDED AND MULCHED, THE TREE PROTECTION FENCE CAN BE REMOVED.
- 4' HIGH SNOW FENCE SHALL BE PLACED AT THE DRIP LINE OF THE TREE OR GROUP OF TREES TO BE PROTECTED AND SHALL ENCLOSE THE ENTIRE TREE OR GROUP.
- BOARDS AND FENCING SHALL NOT BE NAILED TO TREES DURING CONSTRUCTION.
- ROOTS EXPOSED AND/OR DAMAGED DURING GRADING AND CONSTRUCTION OPERATIONS SHALL BE CUT OFF CLEARLY INSIDE THE EXPOSED OR DAMAGED AREA, AND TOPSOIL PLACED OVER THE ROOTS IMMEDIATELY.
- TREES WITHIN THE LIMITS OF CONTRACT WORK SHALL BE WATERED AS REQUIRED TO MAINTAIN THEIR HEALTH.



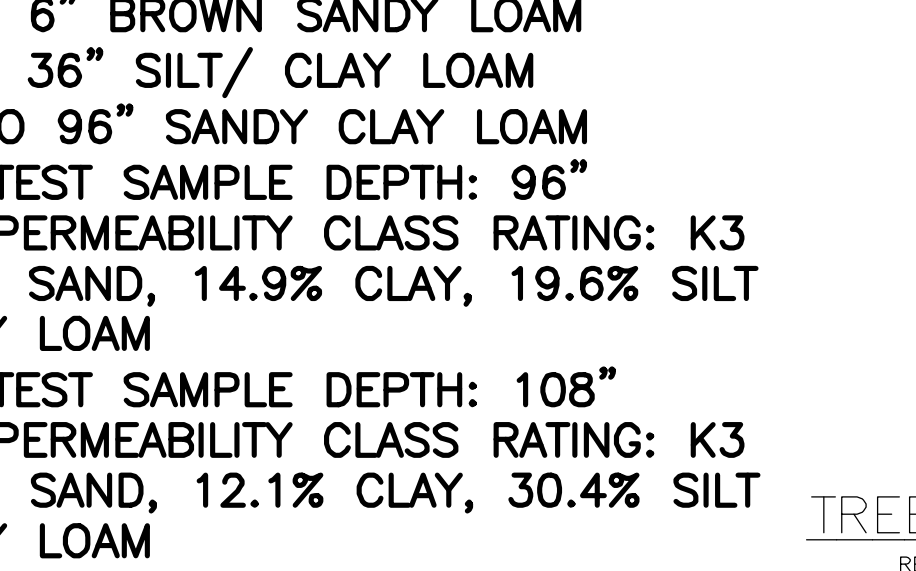
NOTES

- STONE SIZE 1 1/2" - 2 1/2" CRUSHED STONE
- WIDTH NOT LESS THAN FULL WIDTH AT POINTS OF EGRESS AND INGRESS.
- WASHING: WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC R.O.W. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R.O.W. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRAPPED ON PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY.
- WHEN THE CONSTRUCTION ACCESS EXISTS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.

PERCENT SLOPE OF ROADWAY

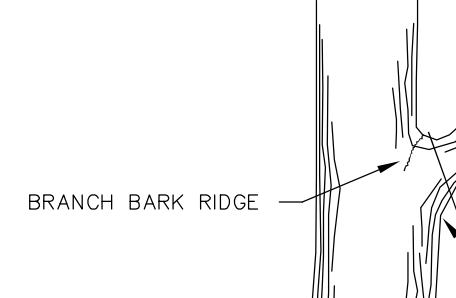
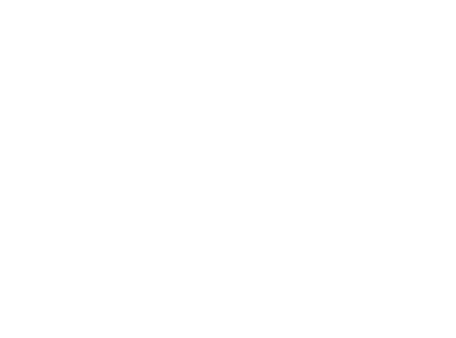
PERCENT SLOPE OF ROADWAY	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 R.	100R.
2 TO 5%	100R.	200R.
>5%	ENTIRE SURFACE STABILIZED WITH FABRIC BASE COURSE!	

STABILIZED CONSTRUCTION ENTRANCE



SILT FENCE

N.T.S.



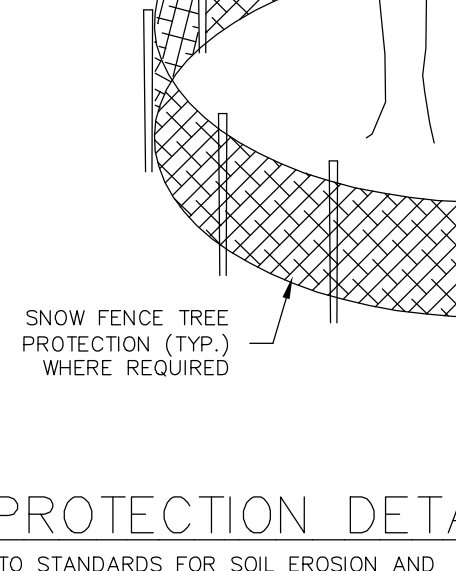
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- WHEN THE CONSTRUCTION ACCESS EXISTS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.

PERCENT SLOPE OF ROADWAY

PERCENT SLOPE OF ROADWAY	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 R.	100R.
2 TO 5%	100R.	200R.
>5%	ENTIRE SURFACE STABILIZED WITH FABRIC BASE COURSE!	

STABILIZED CONSTRUCTION ENTRANCE



REFER TO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY - 9.1

REV.	DATE	DESCRIPTION	DRAWN BY
1	12/01/19	ORIGINAL	DL
2	09/29/22	UTILITIES & OWNERS LIST	YG
3	01/09/23	REVISION	YG
4	02/28/23	REVISION	YG
5	03/29/23	REVISION	YG
6	07/25/23	REVISION PLANNING BOARD 7/11/23	YG
7	11/15/23	REVISIONS	GR
8	03/11/24	LOT LINE / LOT SIZE	GR
9	05/06/24	EASEMENT ZONE TABLE	FM

FREDERICK C. MEOLA
 LICENSED PROFESSIONAL ENGINEER AND LAND SURVEYOR
 CERTIFICATE OF AUTHORIZATION: NO. 24CA28140200
 28 WHIPPANY ROAD, WHIPPANY, NEW JERSEY
 PHONE (973)538-8863 FAX (973)538-5715
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SEAL

FCMeola
 Engineering & Land Surveying
 "SURVEYING THE PRESENT TO ENGINEER THE FUTURE"

OWNER AND APPLICANT
 MARIYA MAYOVSKA & VASYL DMYTRYSHYN

#5 MOUNTAINVIEW ROAD

SOIL EROSION PLAN

BLOCK 54 LOT 16
 TOWNSHIP OF CHATHAM
 MORRIS COUNTY, NEW JERSEY

FILE NUMBER	CD	FIELD BOOK
190602	190602	133/61