

SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, 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 PROMITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- 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.
- 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 2) BELOW.
- TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS. SEE THE DIVERSION DETAIL.
- PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT VEGETATIVE COVER. SPECIFIED RATES AND LOCATIONS SHALL BE AS ON APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH 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 REGULARLY.
- STOCKPILES SHALL NOT BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPILE BASES SHALL HAVE A SILT FENCE PROPERLY ENTRENCHED AT THE TOE OF SLOPE.
- 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.
- ALL NEW ROADWAYS WILL BE TREATED WITH A 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 DEMATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE FILTER SHOULD BE COMPOSED OF A FABRIC OR APPROVED MATERIAL. SEE THE DEMATERING DETAIL.
- ALL SEDIMENTATION 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.
- DURING AND AFTER CONSTRUCTION THE APPLICANT WILL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATIVE COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE DISTRICT. SAID RESPONSIBILITY WILL PRELUDE WHEN COMPLETED WORK IS APPROVED BY THE 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. SEE THE TREE PROTECTION DETAIL.
- THE SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.
- THE SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 12 HOURS PRIOR TO ANY LAND DISTURBANCE.
- TOPSOIL STOCKPILE PROTECTION
 - APPLY GROUND LIMESTONE AT A RATE OF 40 LBS/1000 S.F.
 - APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1000 S.F.
 - APPLY PERENNIAL RYEGRASS AT A RATE OF 1 LBS/1000 S.F. AND ANNUAL RYEGRASS AT A RATE OF 1 LBS/1000 S.F.
 - MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 40 LBS/1000 S.F.
 - APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.
 - PROPERLY ENTRENCH A SILT FENCE AT THE BOTTOM OF THE STOCKPILE.
- TEMPORARY STABILIZATION SPECIFICATIONS
 - APPLY GROUND LIMESTONE AT A RATE OF 40 LBS/1000 S.F.
 - APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1000 S.F.
 - APPLY PERENNIAL RYEGRASS AT A RATE OF 1 LBS/1000 S.F. AND ANNUAL RYEGRASS AT A RATE OF 1 LBS/1000 S.F.
 - MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 40 LBS/1000 S.F.
 - APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.
- PERMANENT STABILIZATION SPECIFICATIONS
 - APPLY TOPSOIL TO A DEPTH OF 8" (UNSETTLED).
 - APPLY GROUND LIMESTONE AT A RATE OF 40 LBS/1000 S.F. AND WORK 4" INTO SOIL.
 - APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1000 S.F.
 - APPLY HARD FESCUE SEED AT 2.1 LBS/1000 S.F. AND CREEPING RED FESCUE SEED AT 0.1 LBS/1000 S.F. AND PERENNIAL RYEGRASS SEED AT 0.25 LBS/1000 S.F.
 - MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 40 LBS/1000 S.F.
 - APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

NOTE: 12 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE OF SUCH IN WRITING SHALL BE GIVEN TO THE COUNTY SOIL CONSERVATION DISTRICT AND A PRE-CONSTRUCTION MEETING HELD.

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. 1-1).
 PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-1), AND PERMANENT STABILIZATION WITH SOG (PG. 6-1).
 SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

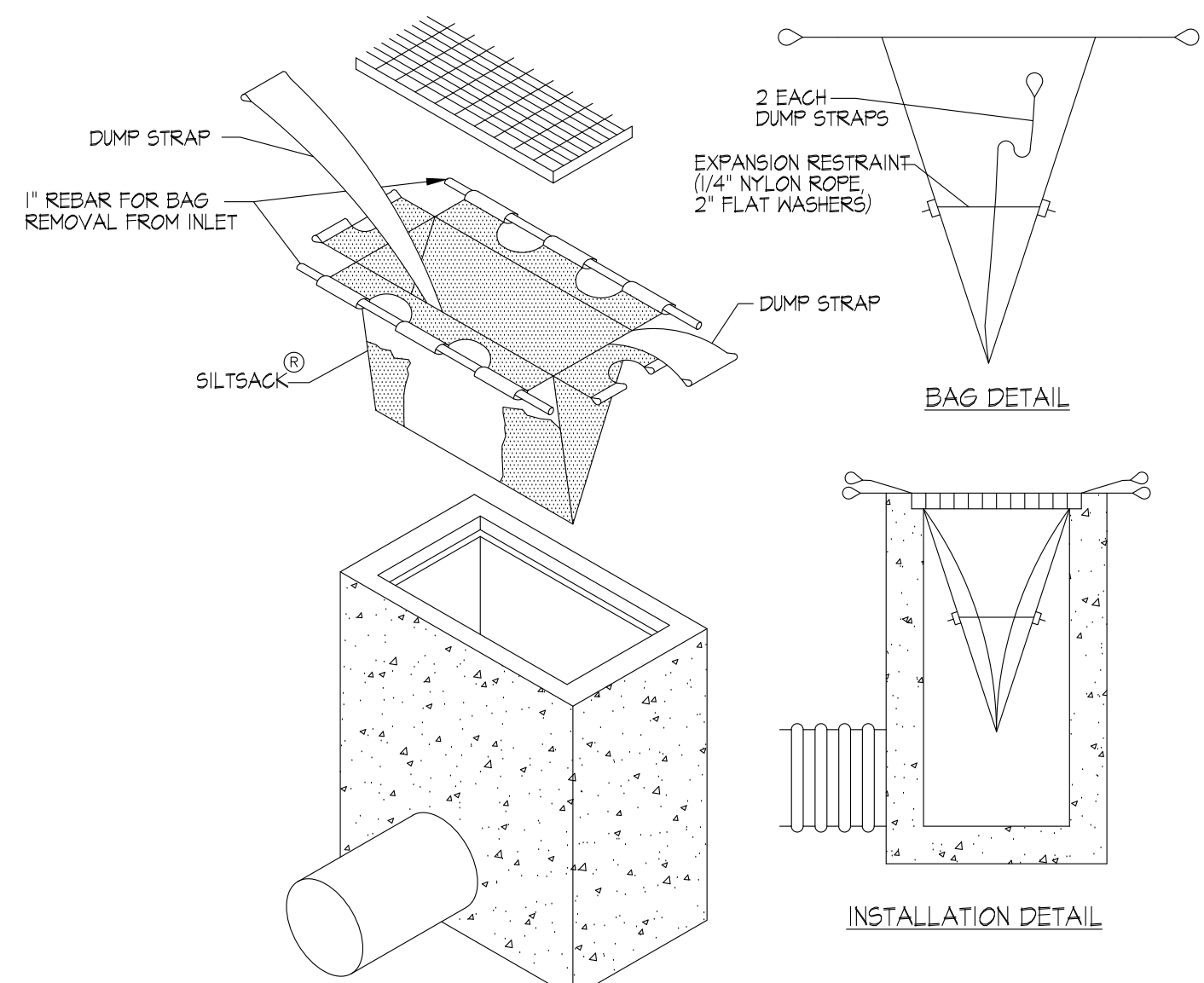
TABLE 16-1: DUST CONTROL MATERIALS

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT EMULSIONS	1:1	COARSE SPRAY	1200
LATEX EMULSION	125:1	FINE SPRAY	255
ROBIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM)-SPRAY ON POLYACRYLAMIDE (PAM)-DRY SPRAY			APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD (PG. 26-1)
AGGULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

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, BURAP 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.

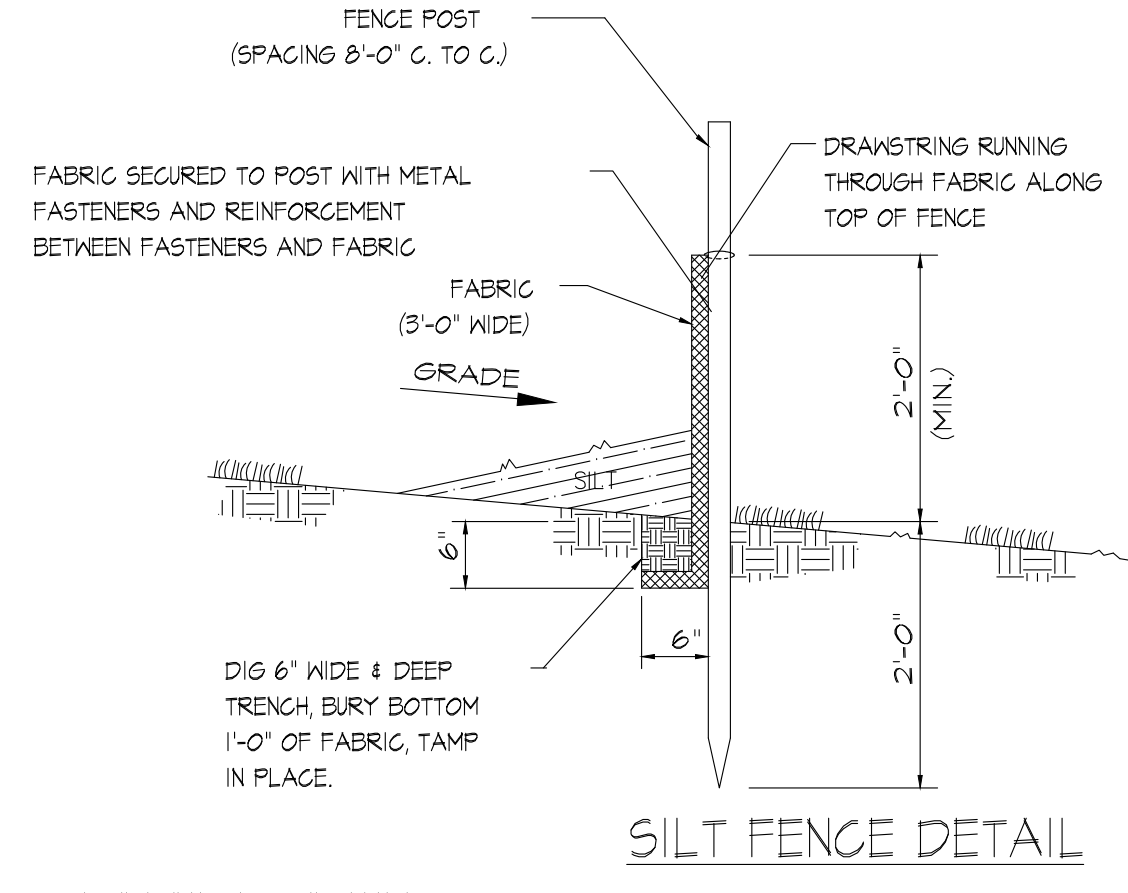
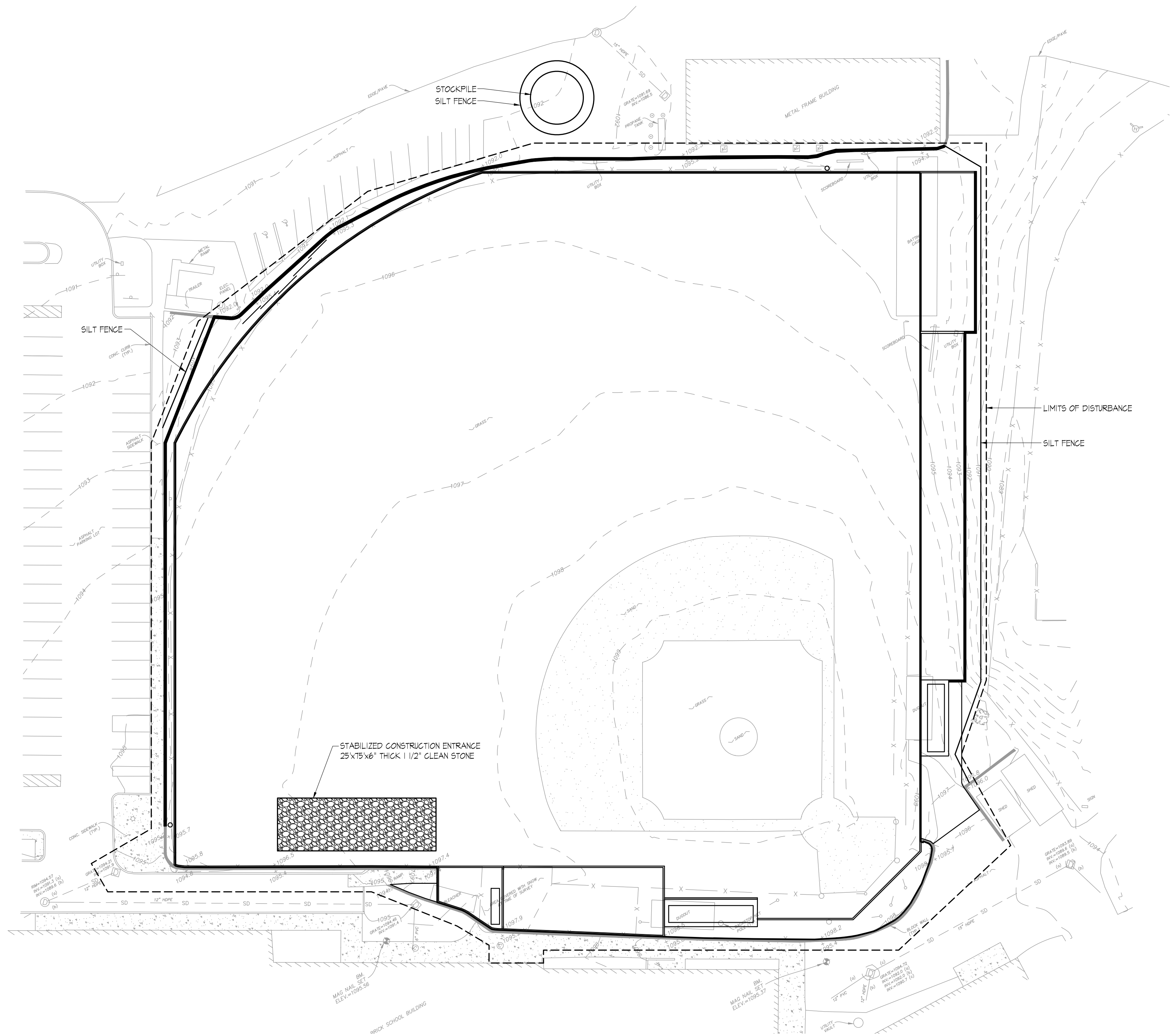
SEQUENCE OF CONSTRUCTION

DESCRIPTION	TIME FRAMES IN DAYS
1. INSTALL HAYBALES/FABRIC FILTER FENCES, AND WHEEL CLEANING APRON	2
2. STRIP AND STOCKPILE TOPSOIL, SEED WITH TEMPORARY SEEDING	3
3. INSTALL TEMPORARY SOIL EROSION MEASURES (I.E. SILT FENCE, INLET CONTROLS, ETC.)	3
4. ROUGH GRADING AND STORM SEWER INSTALLATION	14
5. TURF/FIELD EVENT INSTALLATION	60
6. RECONSTRUCT AND FINE GRADE AND BASE COURSE OF TRACK	30
8. FINAL GRADING	10
9. SLOPE STABILIZATION - PERMANENT SEEDING	5
10. REMOVAL OF ALL TEMPORARY SE & SC MEASURES	5



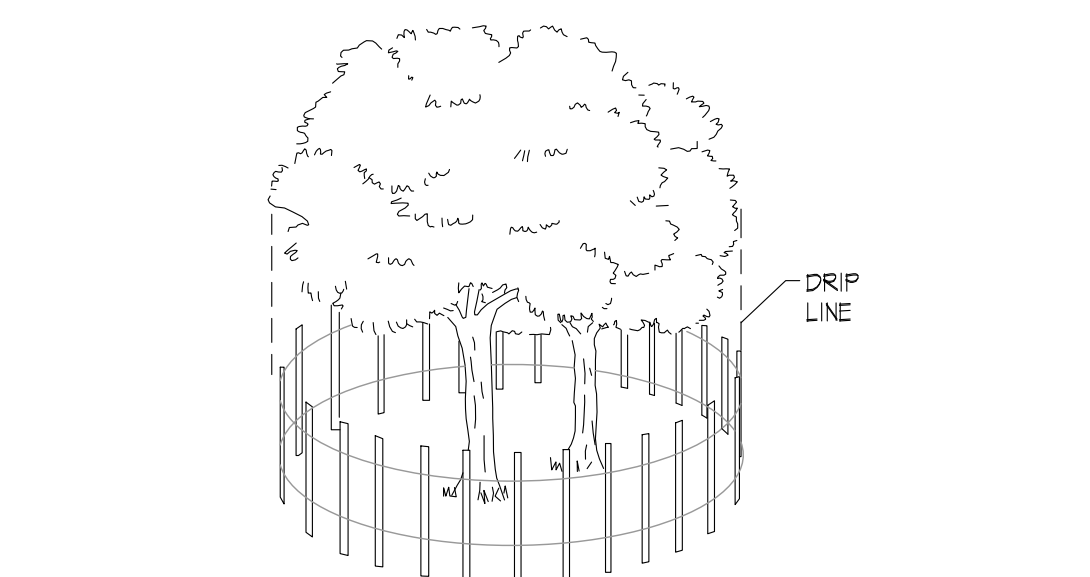
DETAIL OF INLET SEDIMENT CONTROL DEVICE

1 SOIL EROSION PLAN
1" = 20' @

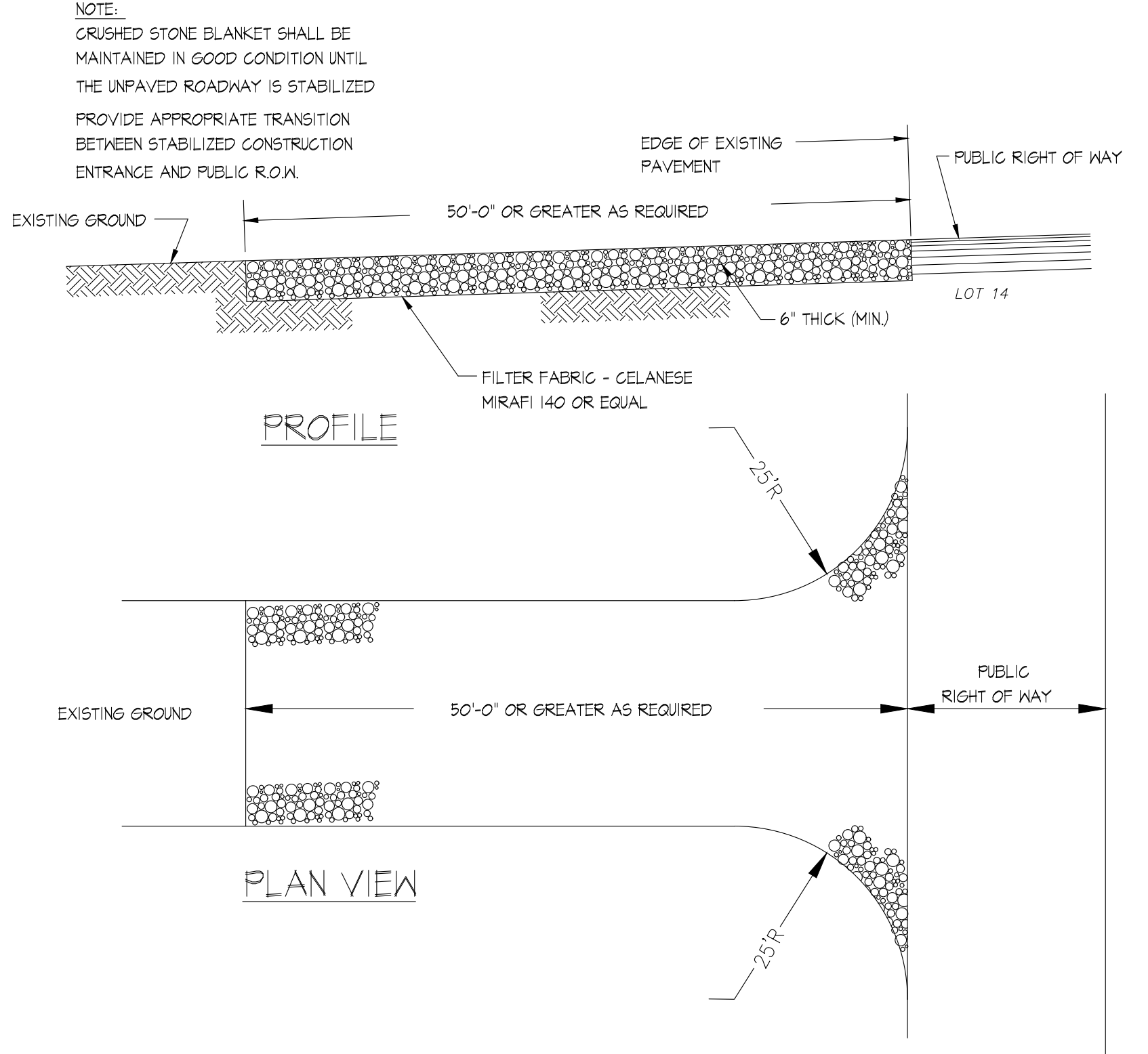


- REQUIREMENTS FOR SILT FENCE:**
- FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. (SEE DETAIL). POST SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1 1/2 INCHES.
 - A METAL FENCE WITH 6 INCHES OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
 - A GEOTEXTILE FABRIC RECOMMENDED FOR SUCH USE BY THE MANUFACTURER SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS, ETC.) PLACED BETWEEN THE FASTENERS AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

INCORRECT FENCING FOR TREE PROTECTION



CORRECT FENCING FOR TREE PROTECTION

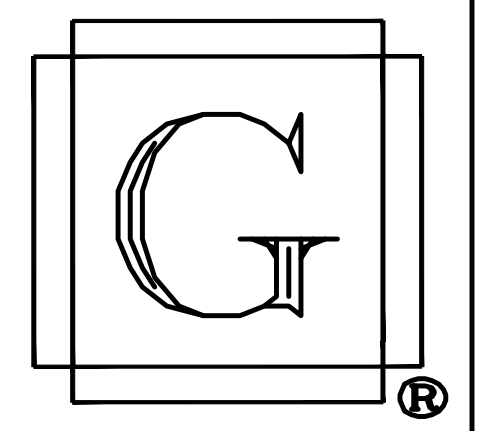


LENGTHS OF CONSTRUCTION EXITS ON SLOPING ROADBEDS

PERCENT SLOPE	LENGTH OF STONE REQUIRED	FINE GRAINED SOILS
0 TO 2%	COARSE GRAINED SOILS 50 FT.	100 FT.
2 TO 5%	100 FT.	200 FT.
5%	ENTIRE SURFACE STABILIZED WITH FABRIC BASE COURSE	

STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

ALL SURVEY DATA TAKEN FROM:
 VS LAND DATA
 155 HEADQUARTERS,
 80 River Rd. Box 106
 Philadelphia, NJ 08065
 P: 484-676-4425
 F: 800-220-6234
 www.vslanddata.com
 NJ Certificate of Authorization
 #PA042015002
 John J. Hanlon
 Professional Land Surveyor
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SYNTHETIC TURF FIELD AND FIELD LIGHTING

AT THE MT. OLIVE HIGH SCHOOL

FOR THE MT. OLIVE BOARD OF EDUCATION

MORRIS COUNTY NEW JERSEY

SOIL EROSION PLAN

SCALE: AS NOTED

DATE	DRAWN	MG
8/12/21	CHECKED	AG

FILE: MOHSBaseballTurfR8

REVISION

SP-5.1