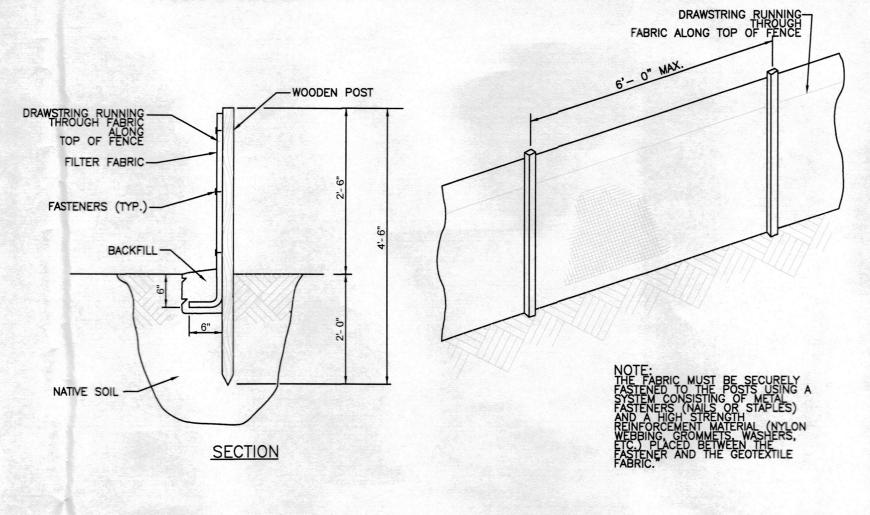
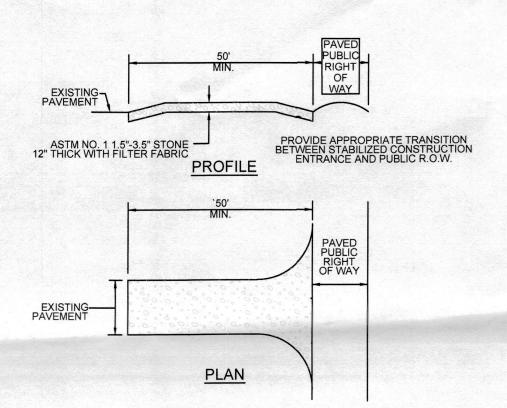


EXISTING TREE PROTECTION





STABILIZED CONSTRUCTION ENTRANCE

IN VEGETATED AREAS, THE TOPSOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM THE MATERIAL TO BE EXCAVATED. IF THE EXPOSED SUBSOIL IS CHARACTERISTIC OF ACID PRODUCING SOIL, THEN SAMPLES SHALL BE OBTAINED AND TESTED AT A SOIL TESTING LABORATORY. IF ANY SULFIDIC OR SULFURIC MATERIALS (INDICATING THE PRESENCE OF ACID SOILS) ARE IDENTIFIED, THIS MATERIAL AND ANY CONTAMINATED SO SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE NECESSARY FOR THE CONDUCT OF THE PROJECT.

2. THE AREA OF ACID-PRODUCING DEPOSITS EXPOSED SHALL BE NO LARGER THAN THAT WHICH IS ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT.

CONSTRUCTION SCHEDULES SHALL BE FORMULATED TO PROVIDE MINIMUM PRACTICABLE EXPOSURE OF ACID-PRODUCING DEPOSITS.

EXCAVATION WHERE THE TOP LAYER OF SOIL (REMAINING AFTER CLEARANCE OF VEGETATION) IS FREE FROM ACID-PRODUCING DEPOSITS, SUCH SOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM THE DEEPER, ACID-PRODUCING DEPOSITS TO BE EXPOSED. NO ACID-PRODUCING DEPOSITS SHALL BE INCLUDED IN THIS STOCKPILE.

ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS AND CONTAMINATED SOIL WASHED FROM CONSTRUCTION EQUIPMENT) SHALL NOT BE EXPOSED FOR MORE THAN ONE (1) DAY EXCEPT WHERE ABSOLUTELY NECESSARY FOR HE CONDUCT OF THE PROJECT. IF SUCH DEPOSITS MUST BE EXPOSED FOR MORE THAN ONE (1) DAY, THEY SHALL BE COVERED WITH PULVERIZED LIMESTONE AT THE RATE OF THIRTY (30) TONS PER ACRE (1,375 LBS. PER 1,000 SQ. FT.) AND THEN COVERED WITH A MINIMUM OF ONE FOOT OF COMPACTED TOPSOIL (FREE OF ACID-PRODUCING DEPOSITS) WITHIN ONE (1) WEEK AFTER EXPOSURE, OR BEFORE THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE EXPOSED DEPOSIT DROPS TO 4.0, WHICHEVER OCCURS FIRST.

3. EXCAVATED MATERIAL SHALL BE RETURNED TO TRENCHES OR PITS IN THE ORDER OF ITS REMOVAL, I.E., LOWER MATERIAL FIRST, FOLLOWED BY UPPER MATERIAL. HOWEVER, IF ACID-PRODUCING DEPOSITS ARE FOUND ONLY IN THE UPPER MATERIAL, THEN THE UPPER MATERIAL SHOULD BE RETURNED FIRST. THIS EXCEPTION ALSO APPLIES TO THE FOLLOWING SITUATION. WHERE ACID-PRODUCING DEPOSITS ARE STOCKFILED ON SOIL UNCONTAMINATED WITH SUCH DEPOSITS, THE TOP TWO (2) INCHES OF SUCH SOIL SHALL BE SCRAPED OFF AND BURIED ALONG WITH THE LOWER MATERIAL. THE SURPLUS MATERIAL RESULTING DUE TO PERMANENT GRADE REDUCTION, PLACEMENT OF PIPES OR OTHER STRUCTURES, AND SOIL SCRAPED EPOM APPAS LINDER TEMPORARY STOCKFILES. SCRAPED FROM AREAS UNDER TEMPORARY STOCKPILES OF ACID-PRODUCING DEPOSITS SHALL BE SUBSTITUTED FOR AN EQUAL QUANTITY OF DEEPER MATERIAL WHICH IN TURN WILL BE REMOVED TO A SUITABLE DISPOSAL SITE. AFTER BACKFILLING THE DEEPER MATERIAL, PULVERIZED LIMESTONE SHOULD BE SPREAD OVER THE TOP OF THE MATERIAL, AT THE RATE OF TEN (10) TONS PER ACRE (460 LBS. PER 1,000 SQ. FT.), BEFORE THE APPLICATION OF THE SURFACE LAYER OF SOIL. THIS LINING PROCEDURE IS APPLICABLE ONLY IN WELL-DRAINED AREAS. THE TOP LAYER OF SOIL, FREE OF ACID-PRODUCING DEPOSITS, STRIPPED AND STOCKPILED IN ITEM #1 ABOVE, SHALL THEN BE REPLACED. IF NECESSARY, ADDITIONAL QUANTITIES OF TOPSOIL SHALL BE IMPORTED SO AS TO ENSURE AT LEAST ONE (1) FOOT DEEP COVER OF SOIL, FREE OF ACID-PRODUCING

4. EQUIPMENT USED FOR EXCAVATING OR BACKFILLING ACID-PRODUCING DEPOSITS SHALL BE CLEANED AT THE END OF EACH DAY'S OPERATION, TO THE EXTENT PRACTICABLE, IN SUCH A WAY THAT WILL NOT CAUSE THE SPREADING OF ACID-PRODUCING DEPOSITS ONTO UNCONTAMINATED SOIL. THE SOIL REMOVED MUST BE PLACED IN THE TRENCH BELOW A DEPTH OF TWO (2) FEET.

5. EVERY EFFORT SHALL BE MADE TO MINIMIZE THE SPREADING OR MIXING OF ACID-PRODUCING DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS) ONTO OR INTO SOIL FREE OF SUCH DEPOSITS (ON OR OFF THE CONSTRUCTION SITE). NO GROUND IS SATURATED, IF SUCH CONSTRUCTION IS LIKELY TO SMEAR OR SPREAD ACID-PRODUCING DEPOSITS OVER UNCONTAMINATED SOIL OR INTO WATERWAYS. IF ACID-PRODUCING DEPOSITS MUST BE STOCKPILED ON TOP OF SOIL FREE OF SUCH DEPOSITS, THE AREA USED FOR STOCKPILING SHALL BE MINIMIZED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPLIED WHERE ACID-PRODUCING DEPOSITS ARE EXPOSED OR STOCKPILED, TO PREVENT OR REDUCE THE MOVEMENT OF ACID-PRODUCING MATERIAL INTO STREAMS OR ONTO CONTAMINATED SOIL.

TEMPORARY VEGETATIVE COVER SHALL NOT BE USED FOR STABILIZATION OF ACID-PRODUCING DEPOSITS UNLESS THE LIMING AND TOPSOIL APPLICATION REQUIREMENTS OF ITEM #3 AND THE SURFACE SOIL PH REQUIREMENTS OF ITEM #9 ARE FIRST MET. THERWISE TEMPORARY STABILIZATION OF ACID-PRODUCING DEPOSITS SHALL CONSIST OF MULCHING AND SHALL BE IMPLEMENTED BY THE END OF THE CONSTRUCTION DAY.

7. MULCHING FOR TEMPORARY STABILIZATION IS NOT A SUBSTITUTE FOR THE LIMESTONE AND TOPSOIL APPLICATION REQUIREMENTS OF ITEMS #2 AND #3. MULCH SHALL NOT BE DIRECTLY APPLIED TO THE EXPOSED SURFACE OF ACID-PRODUCING DEPOSITS, BUT

RATHER TO THE TOPSOIL APPLIED TO COVER SUCH DEPOSITS. 8. PERMANENT VEGETATION SHALL BEGIN AS SOON AS CONSTRUCTION IS COMPLETE AND AFTER THE RESULTS OF THE INCUBATION TESTS, WHERE NECESSARY, ARE AVAILABLE.

9. PRIOR TO RESTORING VEGETATED AREA, THE SOIL SPECIALIST SHALL PERFORM PH TESTS ON THE SOIL. IF THE PH IS BELOW 4.0, THIS IS AN INDICATION THAT ACID SOILS HAVE BEEN MIXED INTO THE SOIL, NECESSITATING AN INTENSIVE LIMING EFFORT IN ORDER TO MAKE THE SOIL SUITABLE FOR PLANT SURVIVAL. THE PH OF THE SURFACE LAYER OF SOIL (ONE (1) FOOT MINIMUM THICKNESS) MUST BE RAISED TO 5.0 BEFORE SEEDBED

10. THE INCUBATION TEST REQUIRES THAT A SOIL SAMPLE BE OXIDIZED FOR SIX (6) WEEKS. IF THE PH IS BELOW 4.0, LIME REQUIREMENT TESTS SHALL BE PERFORMED BY THE SOILS SPECIALIST TO DETERMINE THE LIME APPLICATION RATES.

 MITIGATION PROCEDURES MUST BE FOLLOWED IF CONSTRUCTION WILL EXPOSE ACID-PRODUCING DEPOSITS DURING CONSTRUCTION. THE PERIOD OF EXPOSURE SHOULD BE HELD TO A MINIMUM AND MEASURES TAKEN TO COVER SUCH DEPOSITS TO PREVENT CCELERATION OF THE OXIDATION PROCESS.

ONE (1) FOOT OF SOIL FREE OF ACID-PRODUCING DEPOSITS SHALL BE SPREAD OVER THE EXPOSED DEPOSIT SURFACE. THE PH OF SUCH SOIL SHALL BE 5.0 OR GREATER. THE TEXTURE OF THE SOIL SHALL FALL WITHIN THE FOLLOWING TEXTURAL CLASSES (U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE CLASSIFICATION): CLAY, SILTY CLAY, SANDY CLAY, CLAY LOAM

NO MORE THAN TEN (10) PERCENT OF THE SOIL (BY MASS) MAY CONSIST OF COURSE RAGMENTS (PARTICLES ABOVE 2MM DIAMETER OR LONG-AXIS LENGTH AND NO FRAGMENTS MAY EXCEED THREE (3) INCHES IN DIAMETER OR LONG-AXIS LENGTH.

LOAM, SILT LOAM, SILT

THE SOIL THAT IS TO BE SPREAD PURSUANT TO ITEM #2 SHALL BE COMPACTED. THE SOIL SHALL NOT BE COMPACTED TO A BULK DENSITY EXCEEDING 1.7 GRAMS PER CUBIC CENTIMETER, AND THE LIMING AND PH REQUIREMENTS OUTLINED ABOVE.

SINCE THE OXIDATION OF SULFIDE MINERALS AND RESULTING GENERATION OF ACID SINCE THE OXIDATION OF SULFIDE MINERALS AND RESULTING GENERATION OF ACID COMMENCES AS THE ACID-PRODUCING DEPOSITS ARE EXPOSED, THE SOIL LAYER SHALL BE APPLIED PROMPTLY TO THE NEWLY EXPOSED DEPOSITS WITHIN OF ALONG THE BASIN OR CHANNEL. TO ACCOMPLISH THIS, BASIN OR CHANNEL EXCAVATION SHALL PROCEED (WHERE NECESSARY) IN STAGES, SCHEDULED IN SUCH A WAY THAT NO NEWLY EXPOSED ACID-PRODUCING DEPOSITS REMAIN EXPOSED LONGER THAN ONE (1) WEEK, OR THE THIS REQUIRED FOR THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE DEPOSIT TO DROP TO 4.0, WHICHEVER IS LESS.

5. IN SOME PLACES IT MAY NOT BE PRACTICAL TO COVER THE ACID-PRODUCING DEPOSITS WITH A SOIL-LIMESTONE MIXTURE IN THE MANNER DESCRIBED ABOVE BECAUSE OF STEEP SLOPES OR BECAUSE OF RUNNING WATER THAT CANNOT BE DIVERTED DURING CONSTRUCTION. IN SUCH CASES, PLASTIC LINERS SHALL BE UTILIZED, PLACING THEM OVER THE NEWLY EXPOSED ACID-PRODUCING DEPOSIT WITH SUITABLE PROTECTION. ANY FILL MATERIAL PLACED OVER THE PLASTIC LINER SHALL BE FREE OF ACID-PRODUCING DEPOSITS. MATERIAL STORAGE & DISPOSAL

1. STOCKPILE SATISFACTORY MATERIALS WHERE DIRECTED UNTIL REQUIRED FOR USE AS BACKFILL OR FILL. STOCKPILES SHALL BE GRADED FOR PROPER DRAINAGE.

A. SUITABLE SITES SHALL BE LEVEL, DEVOID OF MATURE STANDS OF NATURAL VEGETATION AND BE REMOVED FROM DRAINAGE FACILITIES AND FEATURES, WETLANDS AND STREAM CORRIDORS. B. THE STOCKPILE AREA SHALL BE SURROUNDED BY SILT FENCING OR ANOTHER ACCEPTABLE

EROSION CONTROL MEASURE. WHERE FILL IS TO BE STORED IN EXCESS OF FOURTEEN (14) DAYS, A SUITABLE MEANS OF PROTECTING EXCAVATED MATERIAL FROM EROSION DISPOSE OF EXCESS SOIL MATERIAL AND WASTE MATERIALS AS HEREIN SPECIFIED.

EXCAVATED MATERIAL UNSUITABLE FOR BACKFILLING SHALL BE KEPT SEPARATE FROM OTHER MATERIALS EXCAVATED AND DISPOSED OF. MATERIAL SUITABLE FOR BACKFILLING SHALL NOT BE DISPOSED OF UNTIL COMPLETION OF FILLING OR BACKFILLING OPERATIONS. . ACID-PRODUCING DEPOSITS (INCLUDING EARTH CONTAMINATED WITH SUCH DEPOSITS) THAT

ARE NOT BACKFILLED AND COVERED SHALL BE DISPOSED OF ON OR OFF THE PROJECT SITE IN A SUITABLE MANNER AND LOCATION. DISPOSAL OF EXCESS EXCAVATED MATERIAL IN WETLANDS, STREAM CORRIDORS AND FLOODPLAINS IS STRICTLY PROHIBITED. ACID-PRODUCING DEPOSITS SHALL NOT BE DISCHARGED INTO STREAMS, INDISCRIMINATELY SPREAD OVER UNCONTAMINATED SOIL, OR SOLD OR DISTRIBUTED AS TOPSOIL OR TOPSOIL AMENDMENTS SUITABLE FOR PLANT GROWTH. INSTEAD, SUCH DEPOSITS SHALL BE BURIED

AT LEAST TWO (2) FEET BENEATH THE LAND SURFACE IN SUCH A MANNER THAT THE COVER MATERIAL IS NOT SUBJECT TO ACCELERATED EROSION OR UNDER PROPOSED BUILDING SLABS. STOCKPILES OF ACID PRODUCING DEPOSITS AWAITING BURIAL SHALL BE COVERED WITH PULVERIZED LIMESTONE AT THE RATE OF THIRTY (30) TONS PER ACRE (1,375 LBS. PER 1,000 SQ. FT.) AND THEN COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF COMPACTED SOIL FREE OF ACID-PRODUCING DEPOSITS WITHIN ONE (1) WEEK AFTER EXPOSURE, OR BEFORE THE PH OF A WELL-MIXED SAMPLE FROM THE UPPERMOST TWO (2) INCHES OF THE DEPOSIT DROPS TO 4.0, WHICHEVER OCCURS FIRST. WHENEVER PRACTICABLE, THE DEPOSIT SHALL BE BURIED THE SAME DAY IT IS EXCAVATED.

SEEDING, LIMING, FERTILIZING AND MULCHING RATES SEEDBED PREPARATION AND SEED APPLICATION RATES

A. WORK APPROVED RATES OF LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF APPROXIMATELY 4 INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION MUST BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.

B. APPLY 4 LBS. PER 1,000 SQ. FT. (160 LBS. PER ACRE) OF SEED UNIFORMLY BY GRAIN DRILL OR GRASS SEEDER TO A DEPTH OF APPROXIMATELY 1/2-1 INCH WITH THE FOLLOWING RECOMMENDED SEED MIXTURE:

PLANTING DATES CHEWINGS FESCUE 4/1 - 5/31 KENTUCKY BLUEGRASS 8/15 - 10/15

C. FOR SANDY SOILS APPLY PERENNIAL RYEGRASS AT THE RATE OF 3-4 LBS, PER 1,000 SQ. FT. IN ADDITION TO THE ABOVE MIXTURE D. DETENTION BASIN SIDE SLOPES TO BE SEEDED AT A RATE OF 4 LBS.
PER 1,000 SQ. FT. (160 LBS. PER ACRE) WITH THE FOLLOWING RECOMMENDED

RECOMMENDED PLANTING DATES SWITCH GRASS CREEPING RED FESCUE 8/15 - 10/15 CREEPING BENTGRASS

AREAS WITHIN A FIFTY (50) FOOT RADIUS OF THE BASIN OUTLET STRUCTURE SHALL BE OVERSEEDED WITH SWITCH GRASS AT AN ADDITIONAL RATE OF 0.2 LBS. PER 1,000 SQ. FT. (8 LBS. PER ACRE).

E. AREAS THAT ARE TEMPORARILY SEEDED SHALL BE PROTECTED BY PERENNIAL RYEGRASS AND/OR MULCH. SEED SHALL BE APPLIED AT THE RATE OF 2 LBS. PER 1,000 SQ. FT. (100 LBS. PER ACRE). IF THE INITIAL SEEDING DOES NOT TAKE, THE AREA SHALL BE RESEEDED.

F. ALL CRITICAL AREAS SUBJECT TO EROSION SHALL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH IMMEDIATELY FOLLOWING

G. VEGETATIVE FILTER STRIP (IF APPLICABLE) TO BE SEEDED AT A RATE OF 2 LBS. PER 1,000 SQ. FT. (100 LBS. PER ACRE) WITH THE FOLLOWING MIXTURI MIXTURE PLANTING DATES KENTUCKY #31 TALL FESCUE 4/1 - 5/31 CHEWINGS FESCUE CREEPING RED FESCUE 8/15 - 10/15

H. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF SEED APPLICATION AND RATE OF APPLICATION AT THE REQUEST OF THE COUNTY SOIL CONSERVATION DISTRICT.

A. ALL SEEDED AREAS SHALL BE LIMED AT THE RATE DETERMINED BY SOIL ANALYSIS AND APPROVED BY THE ENGINEER OR THE SOIL CONSERVATION DISTRICT, OR THE FOLLOWING RATES SHALL APPLY: SOIL TEXTURES LBS./1,000 SQ. FT CLAY, CLAY LOAM AND

SANDY LOAM, LOAM, SILT LOAM LOAMY SAND, SAND PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.

B. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME APPLICATION AND RATE OF APPLICATION AT THE REQUEST OF THE COUNTY SOIL CONSERVATION DISTRICT.

3. FERTILIZER APPLICATION RATES

2. LIME APPLICATION RATES

A. ALL SEEDED AREAS SHALL BE FERTILIZED AT THE RATE DETERMINED BY SOIL ANALYSIS AND APPROVED BY THE ENGINEER OR THE SOIL CONSERVATION DISTRICT, OR AT A RATE OF 11 LBS. PER 1,000 SQ. FT. (500 LBS. PER ACRE) USING

B. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF FERTILIZER APPLICATION AND RATE OF APPLICATION AT THE REQUEST OF THE COUNTY SOIL CONSERVATION DISTRICT.

4. MULCH APPLICATION RATES A. AREAS RECEIVING PERMANENT SEEDING SHALL BE MULCHED WITH SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70-90 LBS/1000 SQ. FT. MULCH SHALL BE

BY APPROVED METHODS (LIQUID MULCH BINDER, CRIMPING, PEG AND TWINE). B. AREAS RECEIVING TEMPORARY SEEDING SHALL BE MULCHED WITH SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70-90 LBS/1000 SQ. FT. MULCH SHALL BE

BY APPROVED METHODS (LIQUID MULCH BINDER, CRIMPING, PEG AND TWINE) C. ALL AREAS EXPOSED MORE THAN 30 DAYS DURING THE NON-GROWING SEASON SHALL BE PROTECTED BY MULCH AND SECURED WITH AN ORGANIC TACK MULCH.

MULCH SHALL BE APPLIED AT A RATE OF 2-2 1/2 TONS PER ACRE. D. MULCH IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT. METHOD AND APPLICATION FOR MULCHING SHALL BE IN ACCORDANCE WITH SECTION 4 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT

DUST CONTROL SHALL BE IN ACCORDANCE WITH SECTION 16 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. THE FOLLOWING METHODS SHALL BE USED FOR CONTROLLING DUST

APPLICATION OF MULCH AND/OR VEGETATIVE COVER AS SPECIFIED IN "SEEDING, LIMING, FERTILIZING AND MULCHING RATES" ON THIS SHEET.

2. TILLAGE TO ROUGHEN THE SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL STARTS. PROCEED FROM THE WINDWARD SIDE OF THE SITE WITH CHISEL TOOTH PLOWS, 12 INCHES APART, OR SPRING TOOTH HARROWS.

3. SPRINKLING OF SITE UNTIL SURFACE IS WET. SPRINKLING SHOULD BE DONE PERIODICALLY THROUGHOUT THE CONSTRUCTION PERIOD AS REQUIRED TO CONTROL

TOPSOILING SHALL BE IN ACCORDANCE WITH SECTION 8 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.

TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL

CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. 2. APPLY TOPSOIL IN A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5 INCHES,

3. SOILS WITH A pH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING

SOIL (SECTION 1 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT 4. IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.

DEWATERING SHALL BE IN ACCORDANCE WITH SECTION 14 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. DURING CONSTRUCTION, EXCAVATED FACILITIES NEED TO BE DEWATERED TO FACILITATE OR COMPLETE THE CONSTRUCTION PROCESS. THE WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAIN SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER

FIELD PLACEMENT OF DEWATERING DEVICE AND DISCHARGE LOCATION MUST BE APPROVED BY THE DISTRICT SOIL EROSION CONTROL INSPECTOR, PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

DEVELOPMENT SCHEDULE 1. CONSTRUCTION IS SCHEDULED FOR 2021 GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. IT IS THE INTENTION OF THE SOIL EROSION CONTROL DEVICES TO

MINIMIZE THE TRANSPORTATION OF SEDIMENT OFF-SITE.

THE TOWNSHIP OF LAWRENCE MUST BE NOTIFIED IN WRITING 48 HOURS PRIOR TO THE START OF ANY LAND DISTURBANCE.

MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND

CONTRACTOR IS RESPONSIBLE TO MAINTAIN EROSION CONTROL STRUCTURES AND KEEP ROADS CLEAN FOR THE LIFE OF THE PROJECT.

4. THE CONTRACTOR IS REQUIRED TO HAVE A COPY OF THE CERTIFIED PLAN AT THE CONSTRUCTION SITE. 5. ALL SOIL EROSION CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY

MAINTAINED FOR ONE YEAR AFTER COMPLETION OF THE APPROVED PLAN OR UNTIL SUCH MEASURES ARE PERMANENTLY STABILIZED AS DETERMINED BY THE TOWNSHIP ENGINEER. 6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL

NON-GROWING SEASON SOIL STABILIZATION. PERMANENT VEGATION TO BE SEEDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

9. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL

BE MULCHED WITH STRAW ACCORDING TO THE STANDARDS FOR

 ALL WORK TO BE DONE IN ACCORDANCE WITH TOWNSHIP SOIL REMOVAL AND SOIL EROSION ORDINANCES AND THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL".

CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES) WILL RECEIVE APPROPRIATE VEGETATIVE COVER AS STATED IN THE CONSTRUCTION

10. ALL ROAD BANKS SLOPING TOWARDS ROAD ARE TO BE STABILIZED IMMEDIATELY AFTER CURBING IS COMPLETED.

11. DURING CONSTRUCTION, ANY ADDITIONAL CONTROL MEASURES AS DEEMED NECESSARY TO PREVENT EROSION OR CONTROL SEDIMENT BEYOND THOSE MEASURES SHOWN ON THE APPROVED PLANS SHALL BE INSTALLED OR EMPLOYED AT THE DIRECTION OF THE ENGINEER.

12. ALL REVISIONS AFTER TOWNSHIP CERTIFICATION HAS BEEN GRANTED MUST BE FORWARDED TO THE LAWRENCE TOWNSHIP ENGINEER'S OFFICE

CONSTRUCTION SEQUENCE

INSTALLATION OF ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO ANY MAJOR SOIL DISTURBANCES OR IN THEIR PROPER SEQUENCE AND MAINTENANCE UNTIL PERMANENT PROTECTION IS ESTABLISHED. (1 WEEK)

2. CLEAR AND REMOVE ALL EXISTING VEGETATION, BUILDINGS, FOUNDATIONS, TANKS, CURBING, BITUMINOUS AND CONCRETE PAVEMENTS, ETC., IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION (IF ANY) TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE. (1 WEEK)

ROUGH GRADING OF THOSE AREAS TO BE DEVELOPED. (1+DAY)

TEMPORARY STABILIZATION OF THOSE AREAS LEFT EXPOSED MORE THAN 30 DAYS. (1+DAY)

5. LAYOUT AND LOCATION OF THE PROPOSED UTILITIES. (1+DAY) 6. SUBGRADE TO BE APPLIED FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE PAVEMENT AREAS. (1+WEEK)

7. INSTALLATION OF BASE MATERIAL FOR PAVEMENT AREAS WHERE NEEDED. (1+DAY) 8. PAVING OF PAVEMENT AREAS. (1+DAY)

STABILIZATION OF THE SITE WITH PERMANENT VEGETATIVE COVER AND LANDSCAPING. (1+WEEK)

10. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES, WHERE CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED. (1+WEEK)



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OWNER/APPLICANT ISLAMIC CIRCLE OF MERCER COUNTY

336 Lawrence Station Rd. LAWRENCEVILLE, NJ 08648

DATE:	DESCRIPTION	낊
8/1/21	REVISED PER LAWRENCE TOWNSHIP REVIEW LETTER DATED 5/20/21	
1/20/22	REVISED PER LAWRENCE TOWNSHIP REVIEW LETTER DATED 9/21/21 & ARORA & ASSOCIATES, P.C. DATED 9/9/21	
7/26/22	REVISED PER LAWRENCE TOWNSHIP REVIEW LETTER DATED 2/3/22 & NJDEP MEMO DATED 6/22/22	
		I

PROJECT NO: IE2018000 CHECKED BY: REFERENCE:

DWG SET NUMBER 100100

SHEET TITLE:

SOIL EROSION **DETAILS/NOTES** 

APPL. NO. ZB-5/20 AND SP-8/20

MAR - 9 2023

LAWRENCE TOWNSHIP ENGINEERING DEPT

SHEET 3 OF 3