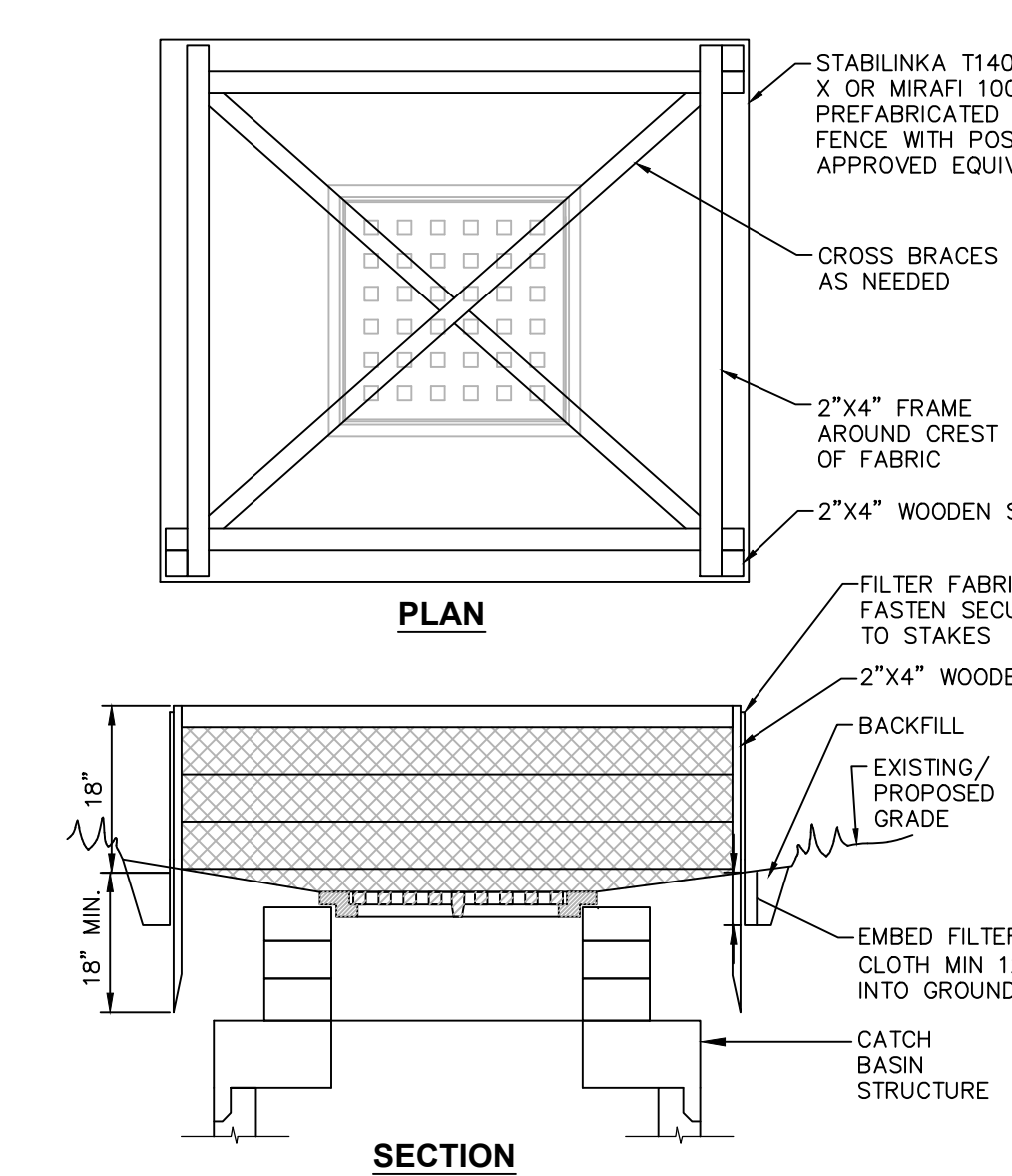
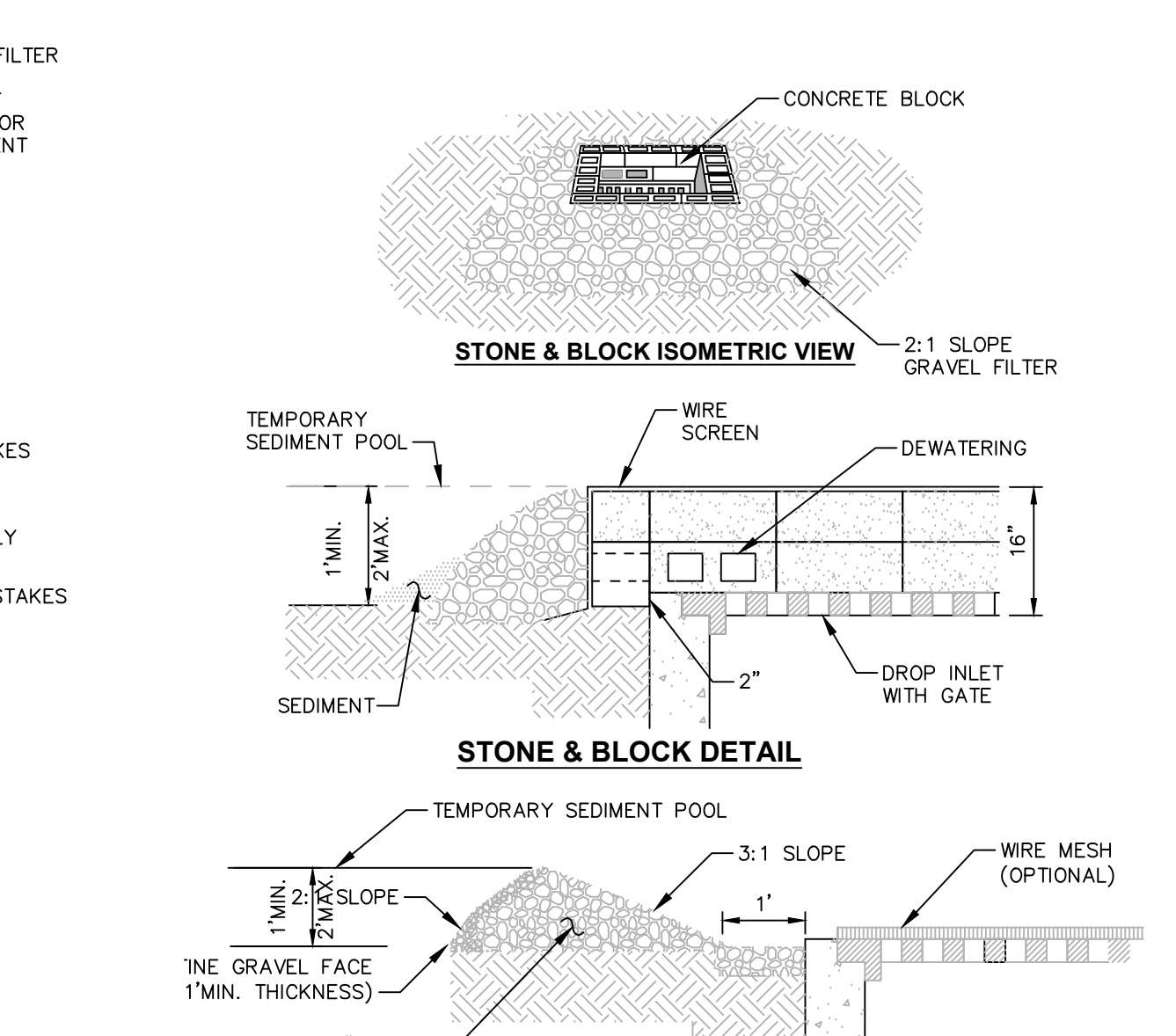
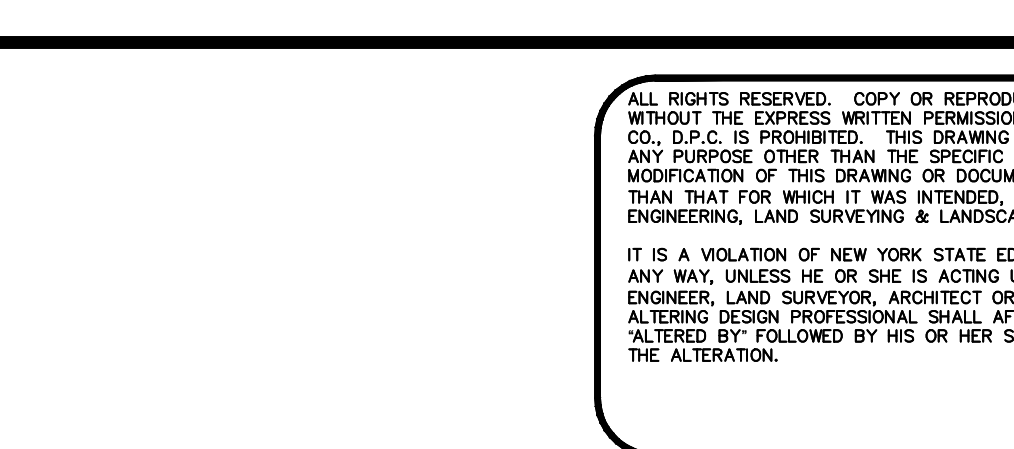
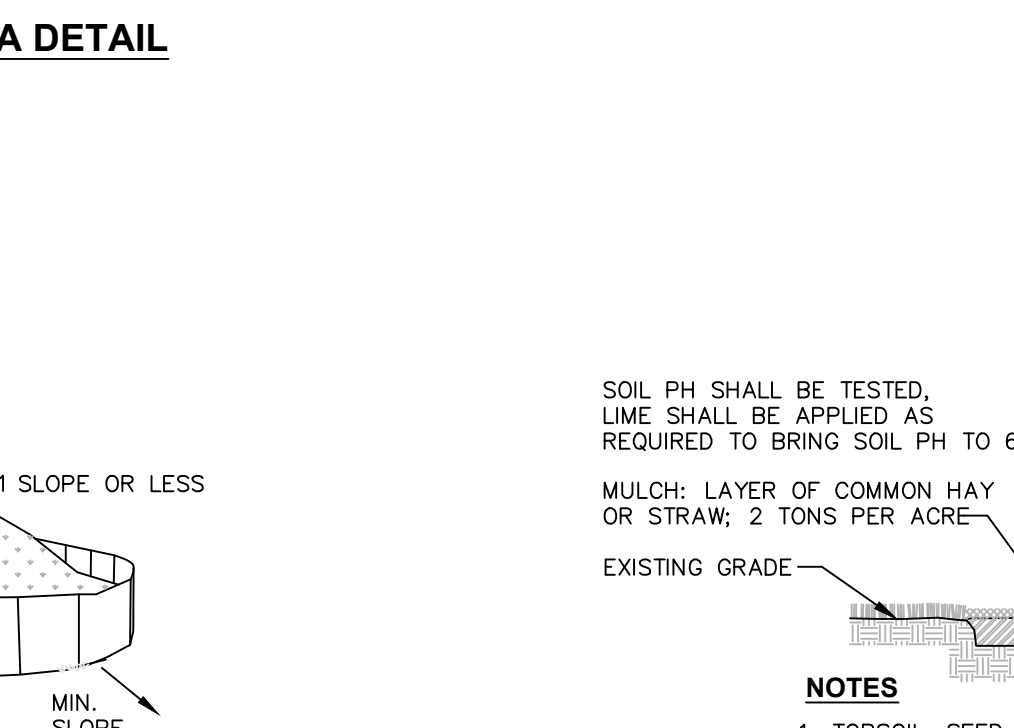
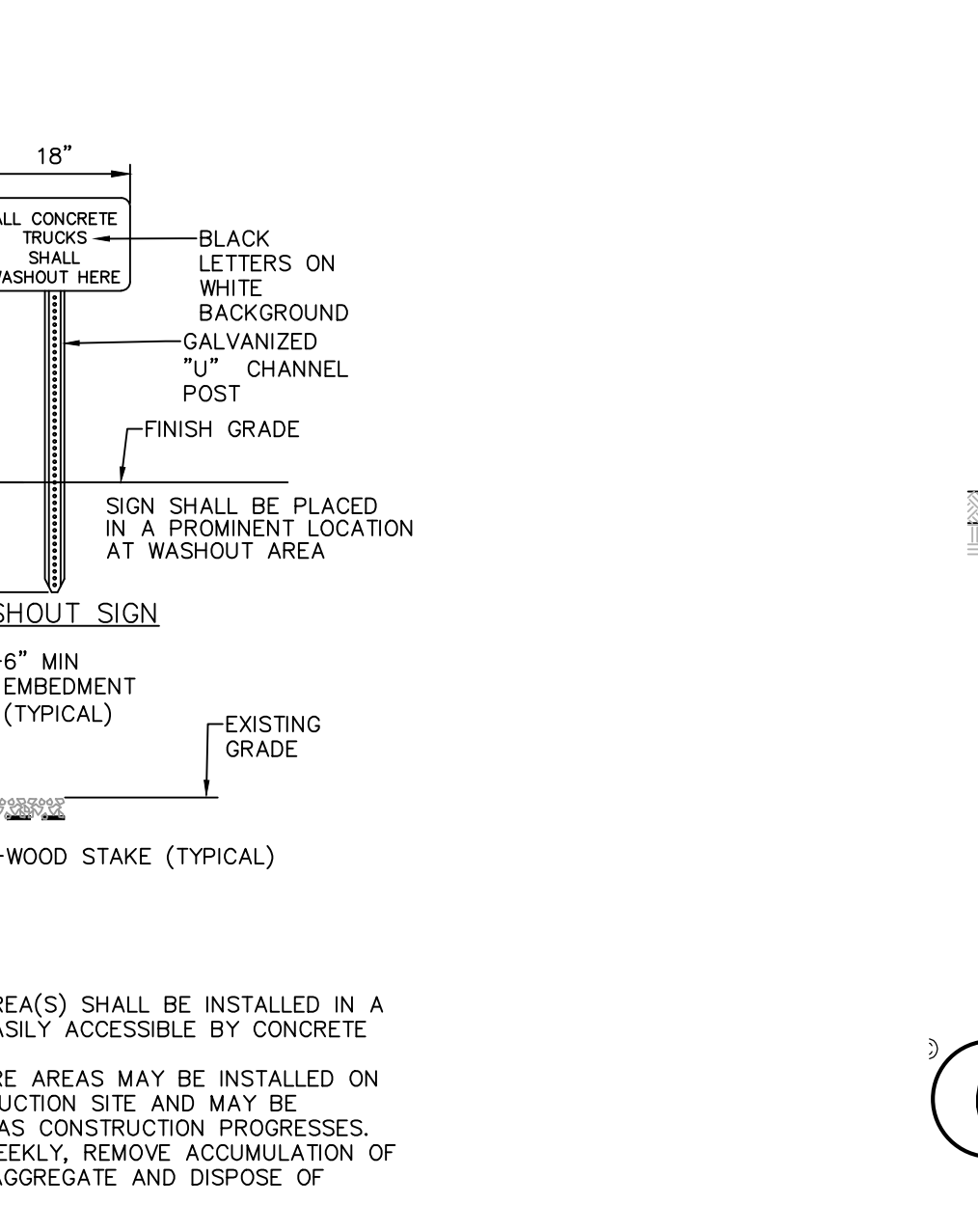


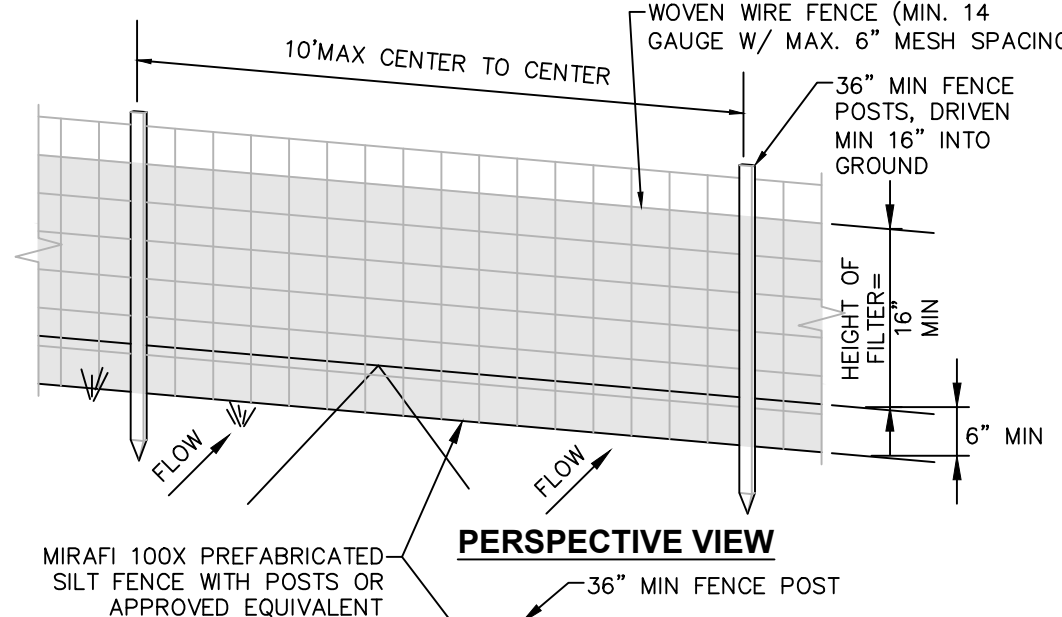
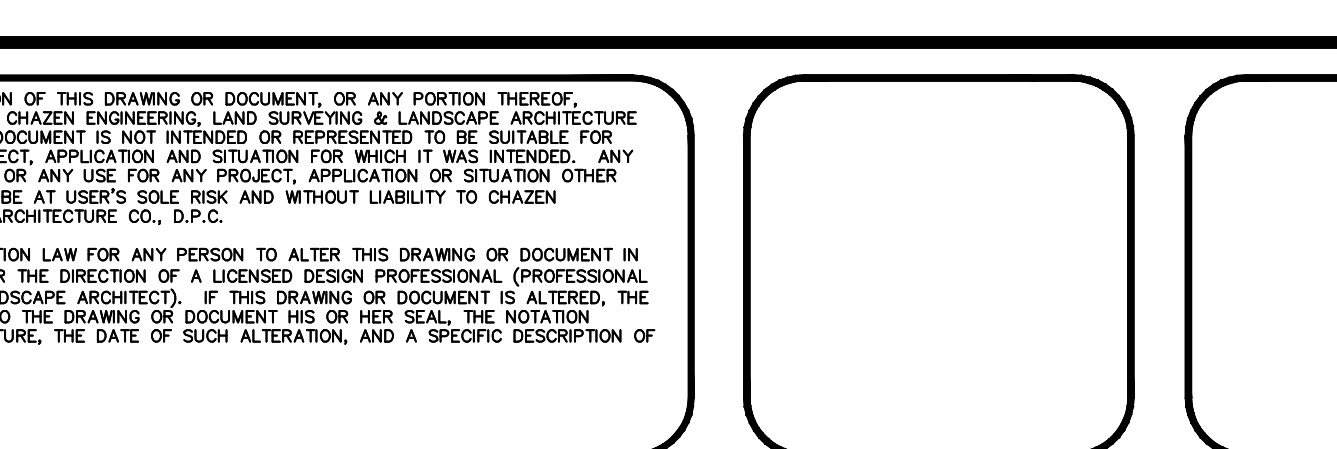
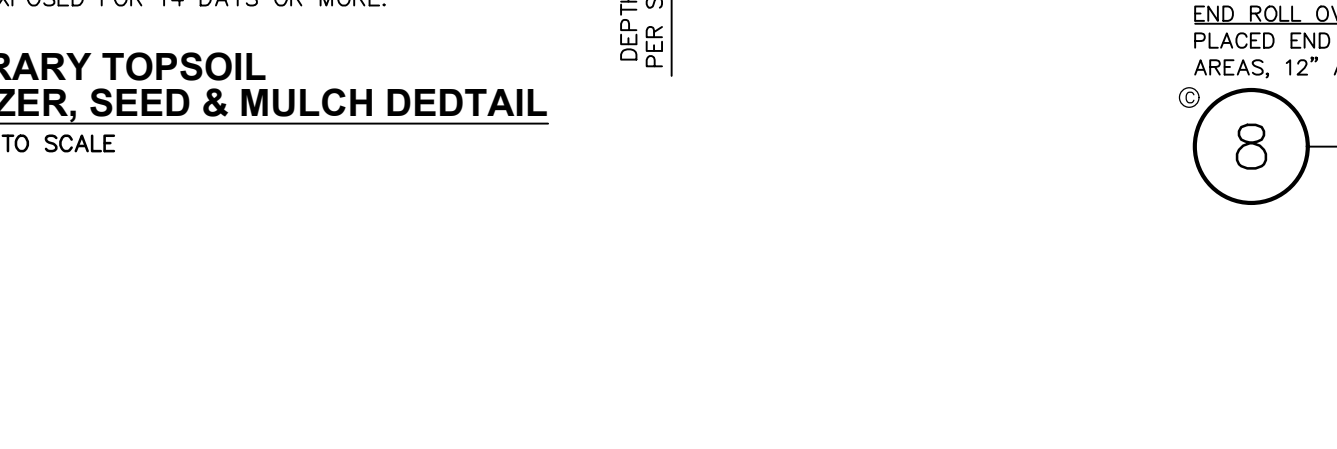
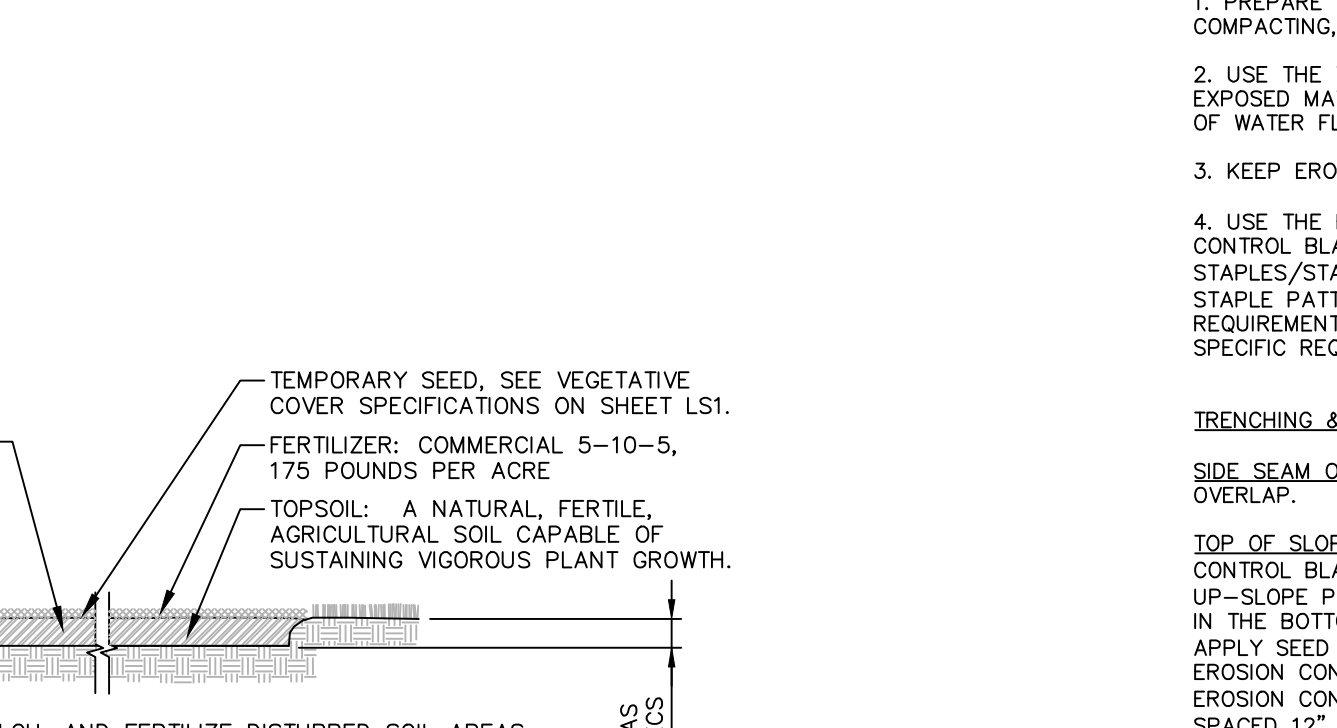
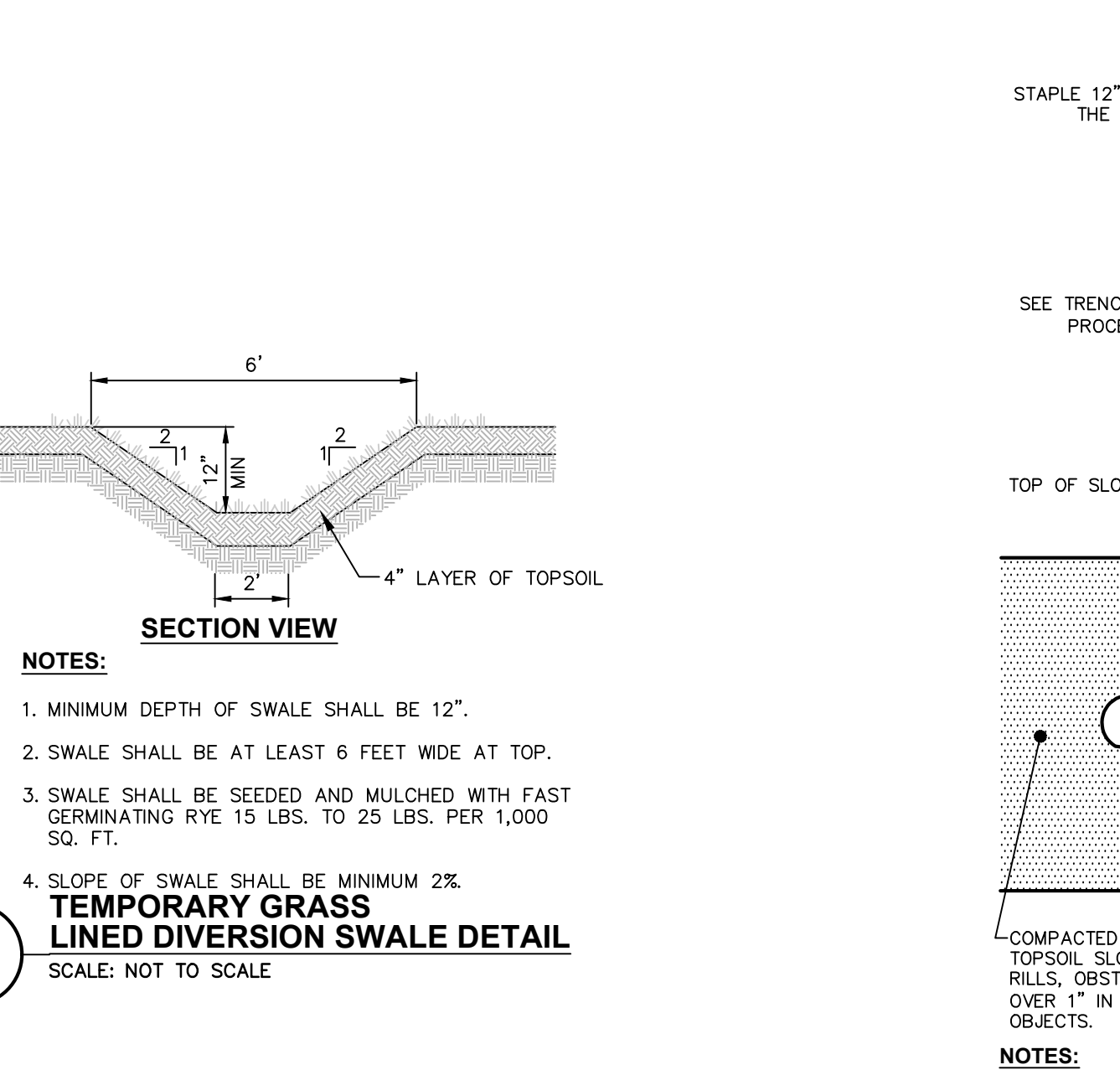
- CONSTRUCTION ENTRANCE SPECIFICATIONS:**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INCREASES OR DECREASES OCCUR.
  - LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
  - GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. 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 TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



- NOTES:**
- FILTER FABRIC SHALL HAVE AN EGS OF 40-85.
  - CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
  - STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
  - SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18" DEEP SPANS GREATER THAN 3 FEET WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
  - FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
  - A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR MAXIMUM DRAINAGE AREA IS 1 ACRE.
  - INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.
  - ONCE BINDER COURSE IS PLACED INLET PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH DETAIL 6, SHEET SD3, "CATCH BASIN STONE AND BLOCK INLET PROTECTION."



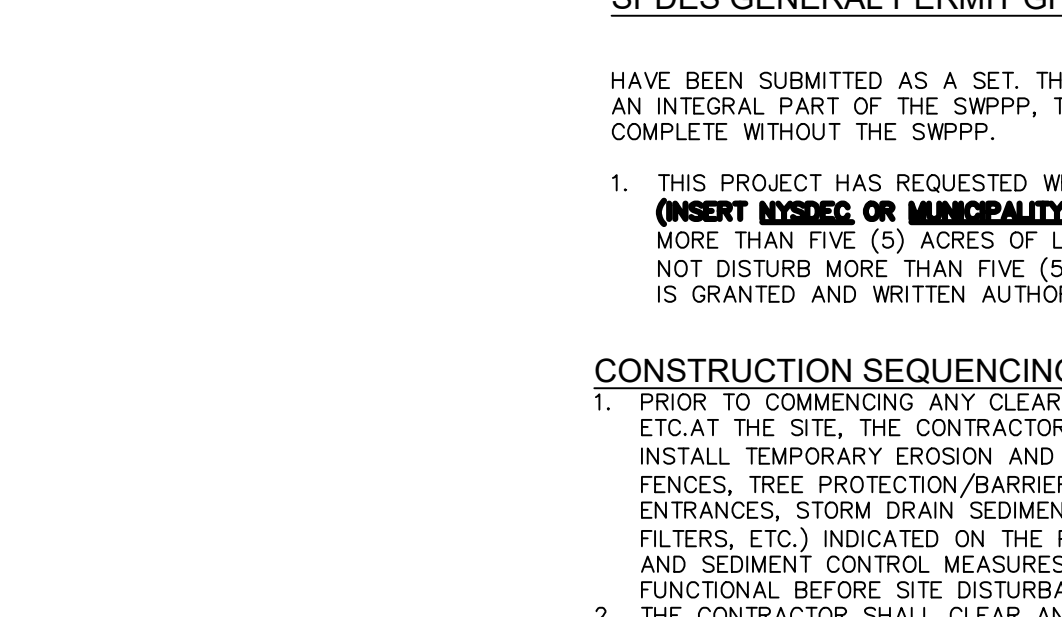
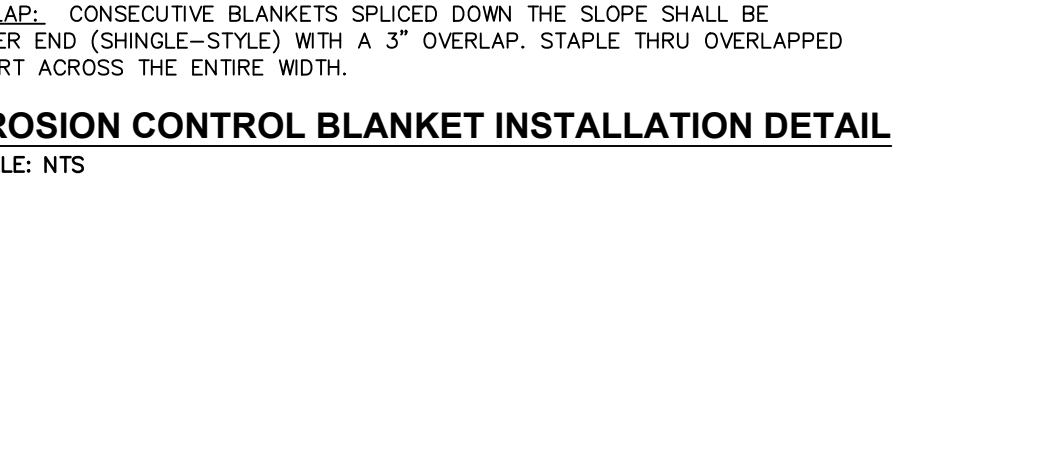
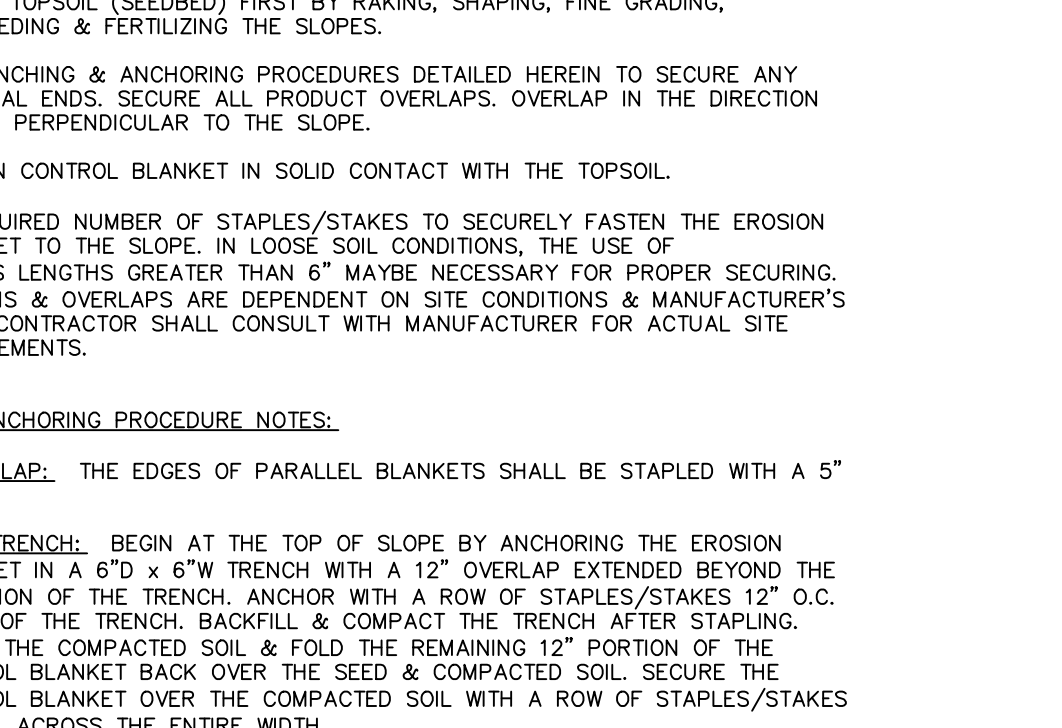
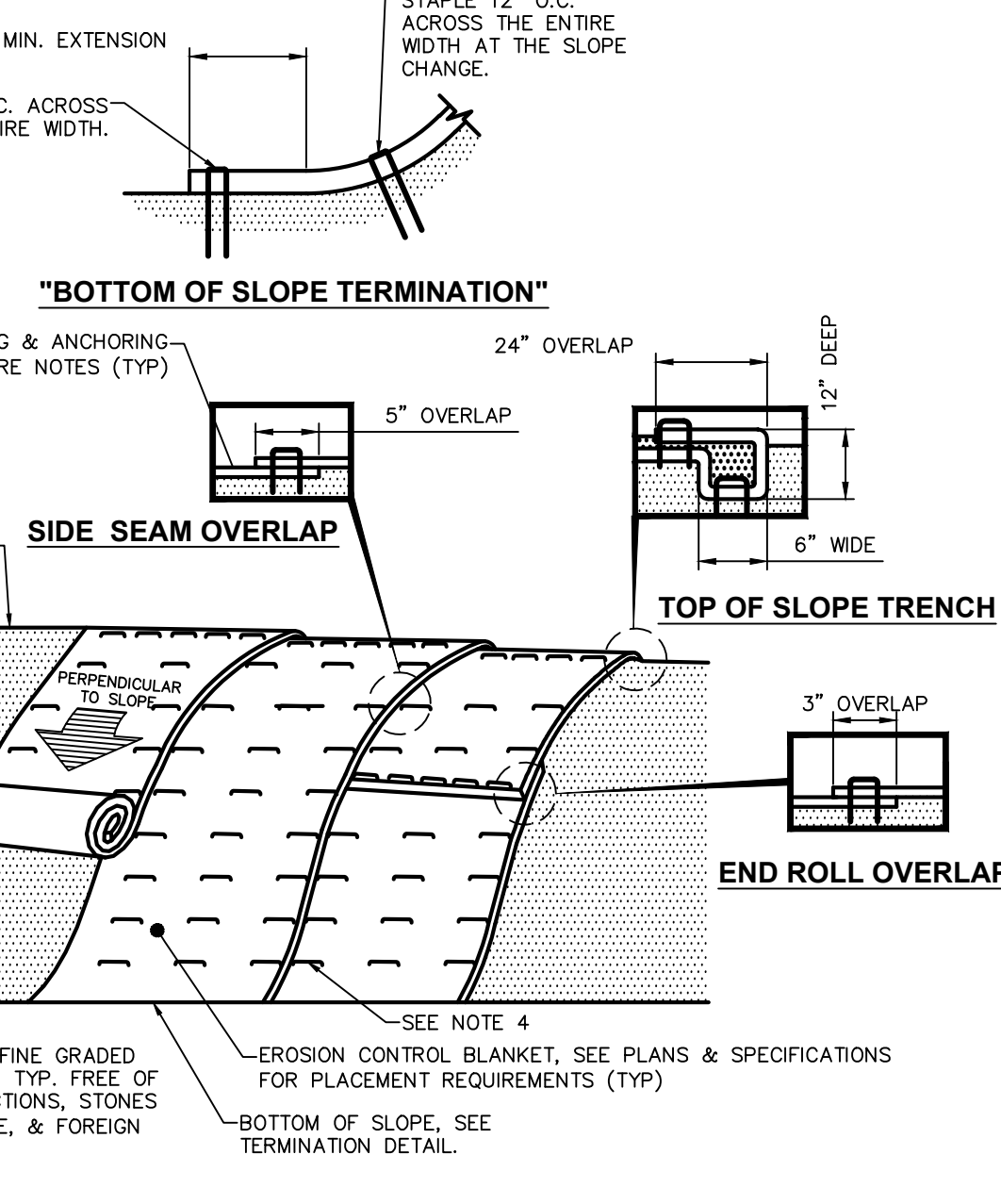
- CONSTRUCTION SPECIFICATIONS:**
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
  - HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
  - USE CLEAN STONE OR GRAVEL 1/2"-3/4" INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
  - FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE.
  - MAXIMUM DRAINAGE AREA IS 1 ACRE.



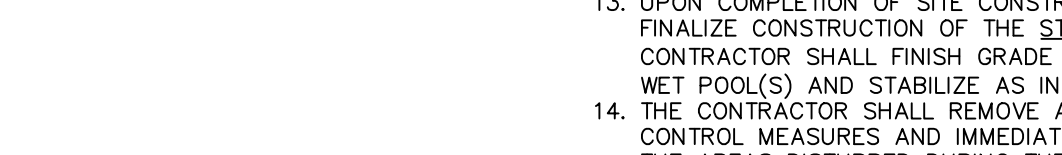
- NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE SPACED 12' ON CENTER.
  - FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE MOVED WIRE, 6" MAX MESH OPENING.
  - WHEN TWO SECTIONS OF FILTER FABRIC ADJACENT OTHERS THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
  - MAXIMUM DRAINAGE AREA FOR ORIGINAL FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
  - SILT FENCE SHALL NOT BE USED WHERE A CONCENTRATION OF WATER IS FORMING TO THE BARRELS.
  - MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE: SLOPE STEEPNESS MAXIMUM SLOPE LENGTH (FT)



- CONSTRUCTION SPECIFICATIONS:**
- DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
  - AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOIL.
  - SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND EXTENT OF SOIL DISRUPTION.
  - PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY OFF THE PRODUCT SITE.



- SPDES GENERAL PERMIT GP-015-002 COMPLIANCE NOTES:**
- THIS PROJECT HAS REQUESTED WRITTEN APPROVAL FROM THE STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) FOR THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. THE CONTRACTOR SHALL NOT DISTURB MORE THAN FIVE (5) ACRES UNTIL SUCH TIME THAT THE WAIVER IS GRANTED AND WRITTEN AUTHORIZATION IS RECEIVED FROM NYSDEC.

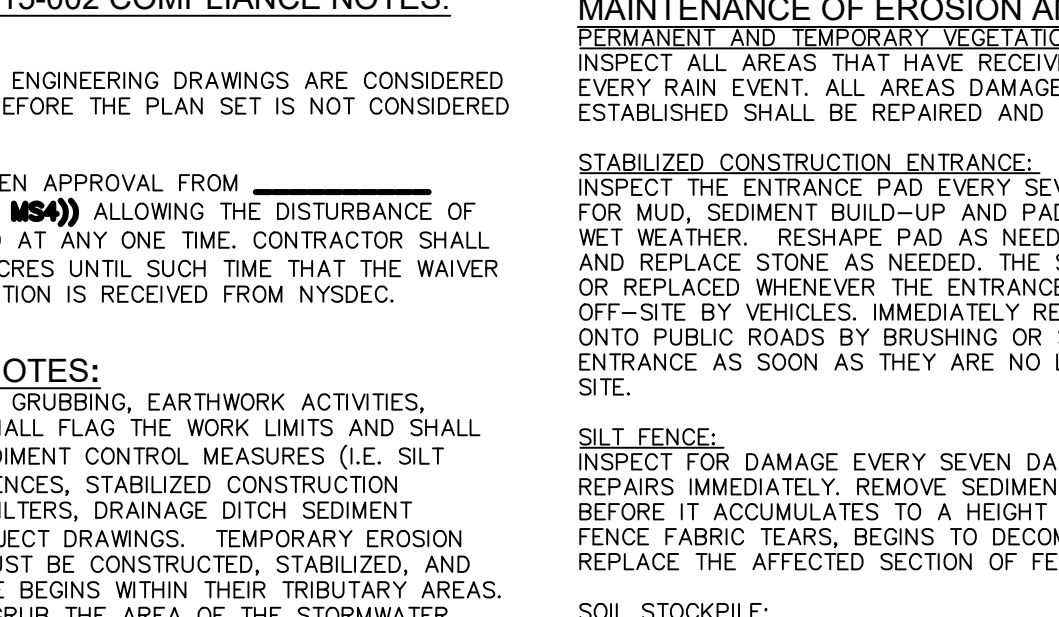
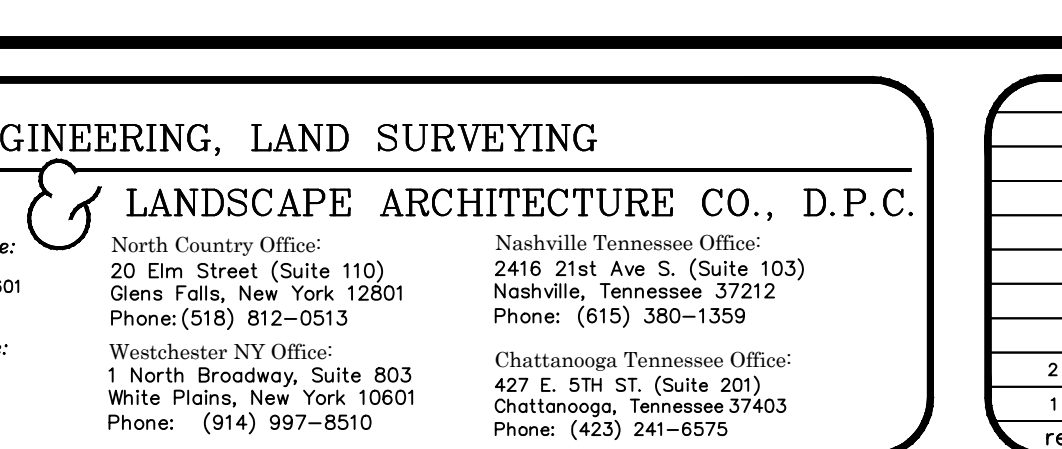
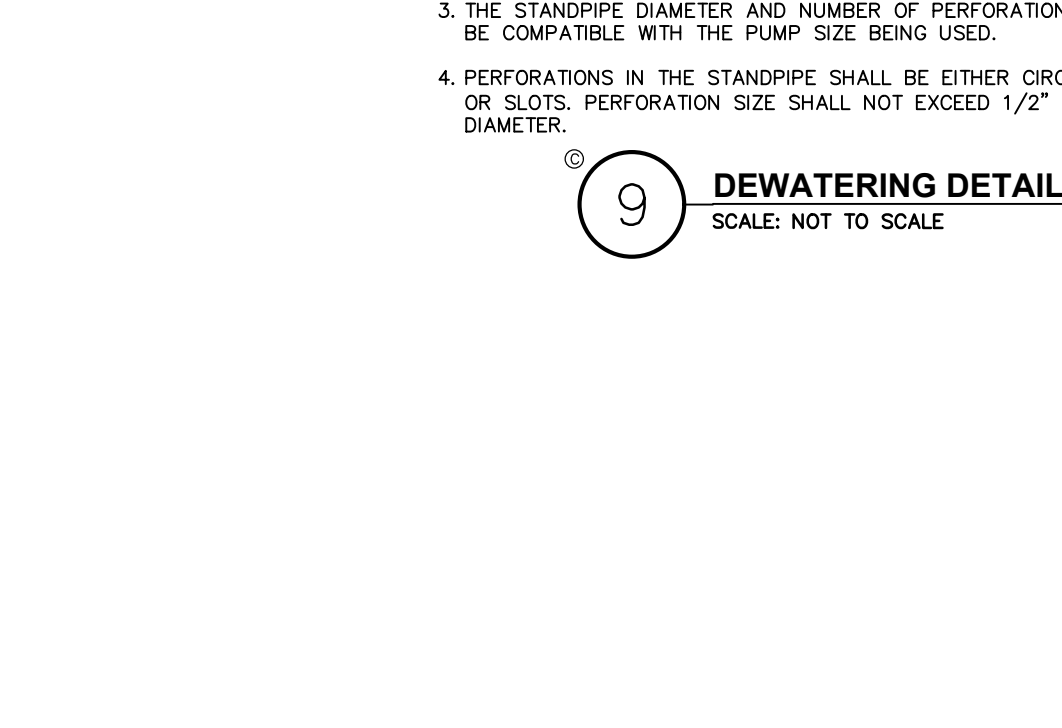


- CONSTRUCTION SEQUENCING NOTES:**
- PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL LEAD THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (E.S. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
  - THE CONTRACTOR SHALL CLEAN AND GRUB THE AREA OF THE STORMWATER MANAGEMENT FACILITIES. THIS AREA SHALL NOT EXCEED FIVE (5) ACRES IN EXTENT WITHOUT TEMPORARY STABILIZATION.
  - PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (SRPAP OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.
  - THE CONTRACTOR SHALL INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E. VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) TO ASSURE THAT STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT BASIN.
  - TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
  - THE CONTRACTOR SHALL DEMONSTRATE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.
  - INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRAVE AREAS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
  - CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION IS EXEMPT WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING. THE RIP-RAP AT LOCATIONS SHOWN ON THE PLANS.
  - INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRAVE AREAS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
  - INSTALL PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
  - INSTALL SUB-BASE MATERIAL, AS REQUIRED FOR PAVEMENT.
  - PRIOR TO FINALIZING CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
  - UPON COMPLETION OF SITE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL FINALIZE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY. ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
  - PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY OFF THE PRODUCT SITE.

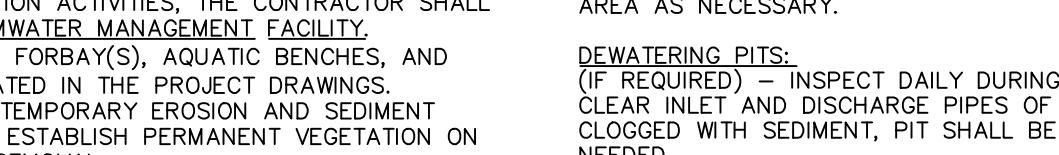
- EROSION AND SEDIMENT CONTROL MEASURES:**
- DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
  - AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOIL.
  - SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND EXTENT OF SOIL DISRUPTION.
  - PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY OFF THE PRODUCT SITE.



- GENERAL EROSION AND SEDIMENT CONTROL MEASURES:**
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016.
  - EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
  - APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEANING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. USE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER AREAS UNDERGOING CLEANING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REPEATED. AREAS TO BE STABILIZED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. USE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER.
  - SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED PERIODS.
  - SEEDING AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
  - THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND MATERIALS NECESSARY FOR DUST CONTROL.
  - WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.



- MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:**
- PERMANENT AND TEMPORARY VEGETATIVE COVER SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION. INSPECT ALL AREAS THAT HAVE VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OF WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.
  - STABILIZED CONSTRUCTION ENTRANCE. INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MULCH SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STAPLES IMMEDIATELY. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MULCH BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MULCH AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.
  - SILT FENCE. INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SILT FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/2 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.
  - SOIL STOCKPILE. INSPECT ALL SOIL STOCKPILES (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/2 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIERS BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCKPILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.
  - DUST CONTROL. SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATERS). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.
  - EROSION CONTROL BLANKET. INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EXEMPT WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING. THE BLANKET SHALL BE REPLACED.
  - TEMPORARY SWALE. INSPECT ALL EARTH DICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.
  - STORM DRAIN INLET PROTECTION. INSPECT STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.
  - DEWATERING DETAIL. INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT. PITS SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS NEEDED.
  - SNOW AND ICE CONTROL. PARKING LOTS, DRIVEWAYS, AND DRIVEWAYS ADJACENT TO WATER QUALITY FILTERS SHALL NOT BE SANDED DURING SNOW EVENTS DUE TO HIGH POTENTIAL FOR CLOGGING FROM SAND IN SURFACE WATER RUNOFF. USE SALT ONLY FOR SNOW AND ICE CONTROL.



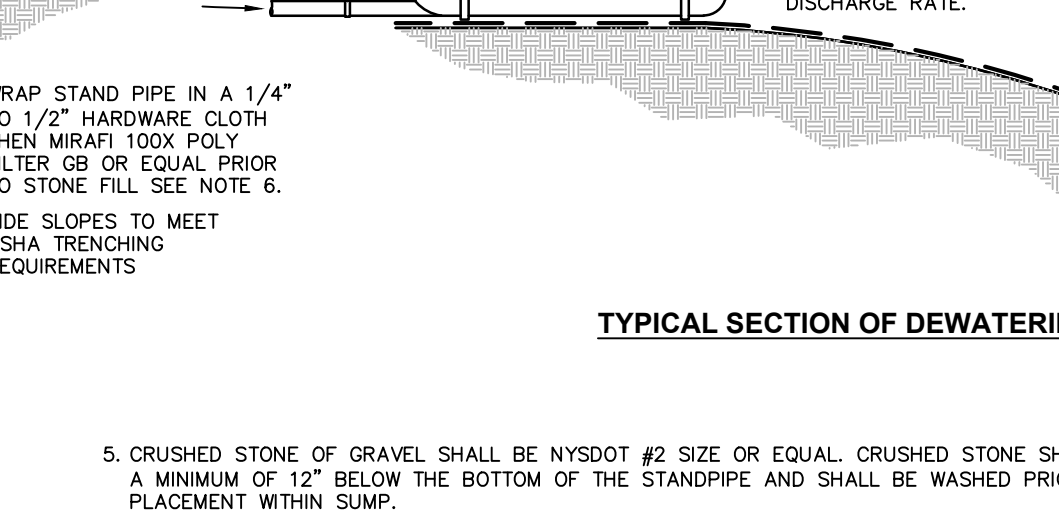
- PERMANENT VEGETATIVE COVER (DURING CONSTRUCTION):**
- SITE PREPARATION. A. REMOVE EXCESSIVE VEGETATION. B. REMOVE EXCESSIVE VEGETATION. C. REMOVE EXCESSIVE VEGETATION. D. REMOVE EXCESSIVE VEGETATION.
  - SEEDING. A. APPLY SEED UNIFORMLY BY CYCLOP SEEDER CULI-PACKER OR HYDRO-SEEDER AT RATE AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING PERMITTED METHODS: 1. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN. TO THE SEED. 2. ONE INCH OF MULCH. 3. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2.000 LBS/ACRE. C. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION BY JUTE MESH OR APPROVED EQUIV. D. IRRIGATE TO FULLLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL. E. UNIFORM SEEDING SHOULD BE COMPLETED BY MARCH 15TH AND FROM AUGUST 15TH TO OCTOBER 15TH.

**PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):**

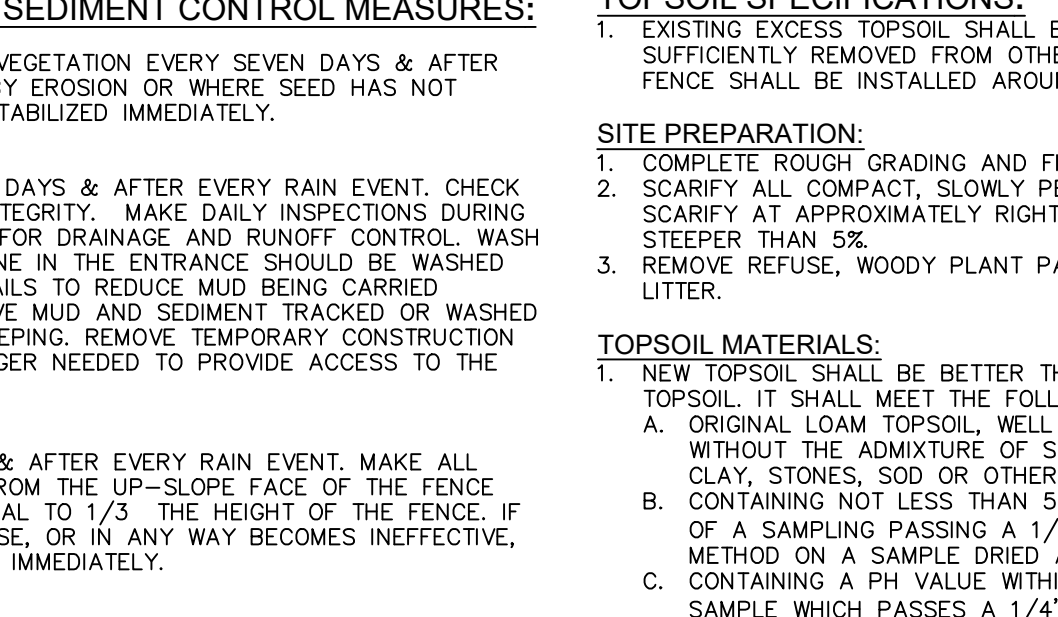
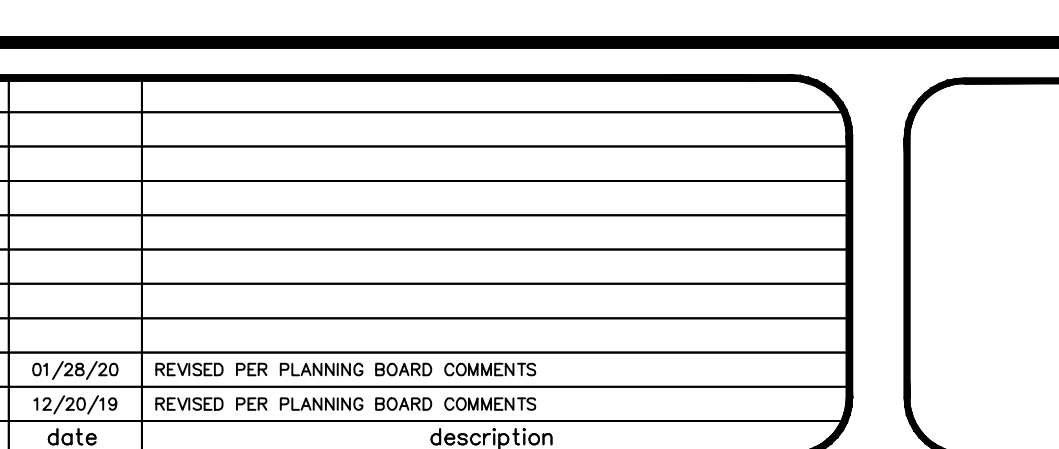
- SITE PREPARATION. A. REMOVE EXCESSIVE VEGETATION. B. REMOVE EXCESSIVE VEGETATION. C. REMOVE EXCESSIVE VEGETATION. D. REMOVE EXCESSIVE VEGETATION.
- SEEDING. A. APPLY SEED UNIFORMLY BY CYCLOP SEEDER CULI-PACKER OR HYDRO-SEEDER AT RATE AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING PERMITTED METHODS: 1. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN. TO THE SEED. 2. ONE INCH OF MULCH. 3. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2.000 LBS/ACRE. C. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION BY JUTE MESH OR APPROVED EQUIV. D. IRRIGATE TO FULLLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL. E. UNIFORM SEEDING SHOULD BE COMPLETED BY MARCH 15TH AND FROM AUGUST 15TH TO OCTOBER 15TH.

**COMPACTION REQUIREMENTS**

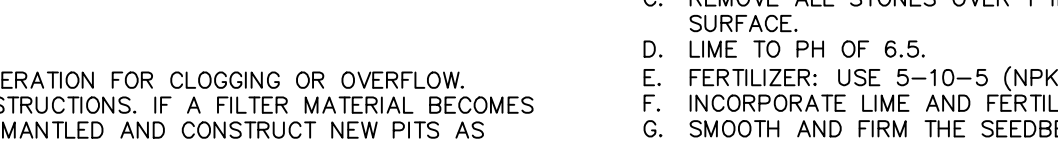
LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1. SERIES OF TESTS FOR EACH 100 FT OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTED TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1. SERIES OF TESTS FOR EACH 100 FT OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTED TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE EMBANKMENT AND PIPE ZONE BACKFILL	95% ASTM D1557	1. TEST FOR EACH 100 FT OR LESS OF TRENCH LENGTH.
PAVEMENT SUBBASE AND LAST LIFT OF SLEEVES OR GRANULAR FILL (TYP. BETWEEN SHEET PILES)	95% ASTM D1557	1. TEST FOR EVERY 2,000 SQ FT. OF LIFT AREA. BUT NO FEWER THAN TWO TESTS PER LIFT.



- NOTES:**
- BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH DICES THIGHTLY BUTTING THE ADJACENT BALES.
  - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4)INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
  - BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR 8-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALE FORWARD. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
  - INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.
  - HAY OR STRAW BALE DICES SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
  - HAY OR STRAW BALE DICES SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRELS.
  - MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING TO A HAY OR STRAW BALE DIKE ARE: SLOPE STEEPNESS MAXIMUM SLOPE LENGTH (FT)



- TOPSOIL SPECIFICATIONS:**
- EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES. SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID WORKING SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.
  - TOPSOIL SHALL BE STORED IN A MANNER THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY.
  - TOPSOIL SHALL BE STORED IN A MANNER THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY.



- APPLICATION AND GRADING:**
- TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MOODY, OR ON FROZEN SOILS OR OVER ICE, SNOW, OR STANDING WATER.
  - TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 3:1 SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

**VEGETATIVE COVER SPECIFICATIONS:**

**TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION):**

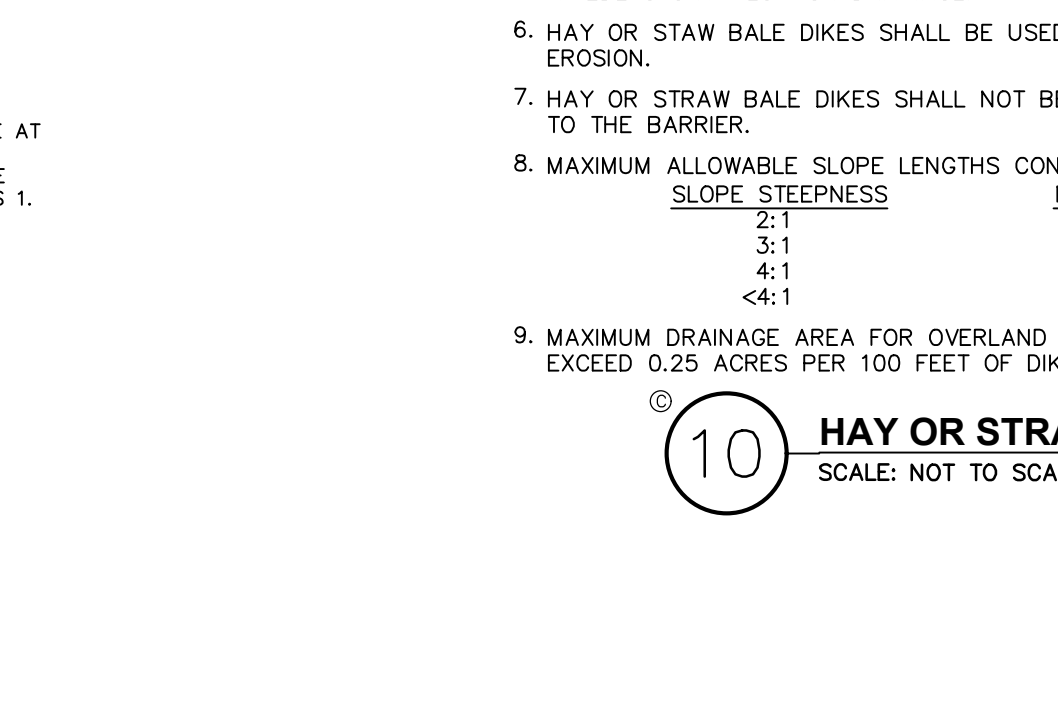
- SITE PREPARATION. A. REMOVE EXCESSIVE VEGETATION. B. REMOVE EXCESSIVE VEGETATION. C. REMOVE EXCESSIVE VEGETATION. D. REMOVE EXCESSIVE VEGETATION.
- SEEDING. A. APPLY SEED UNIFORMLY BY CYCLOP SEEDER CULI-PACKER OR HYDRO-SEEDER AT RATE AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING PERMITTED METHODS: 1. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN. TO THE SEED. 2. ONE INCH OF MULCH. 3. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2.000 LBS/ACRE. C. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION BY JUTE MESH OR APPROVED EQUIV. D. IRRIGATE TO FULLLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL. E. UNIFORM SEEDING SHOULD BE COMPLETED BY MARCH 15TH AND FROM AUGUST 15TH TO OCTOBER 15TH.

**PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):**

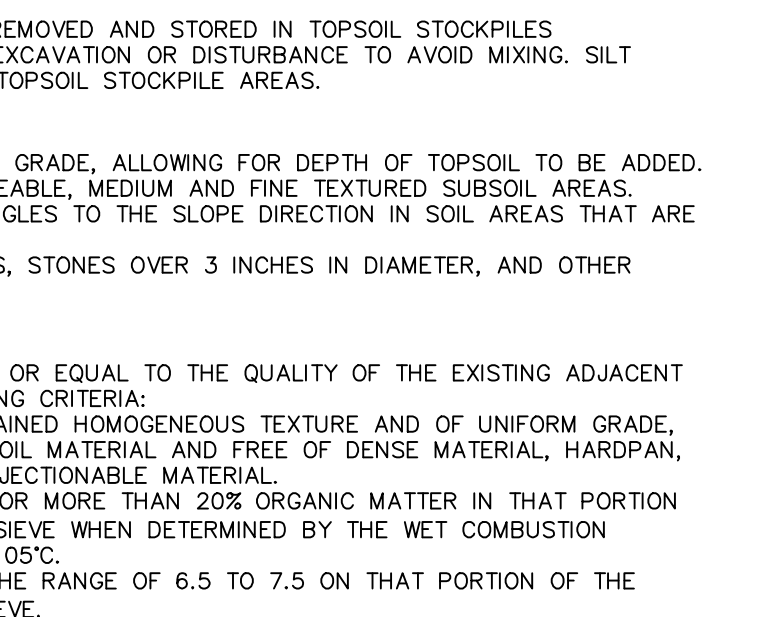
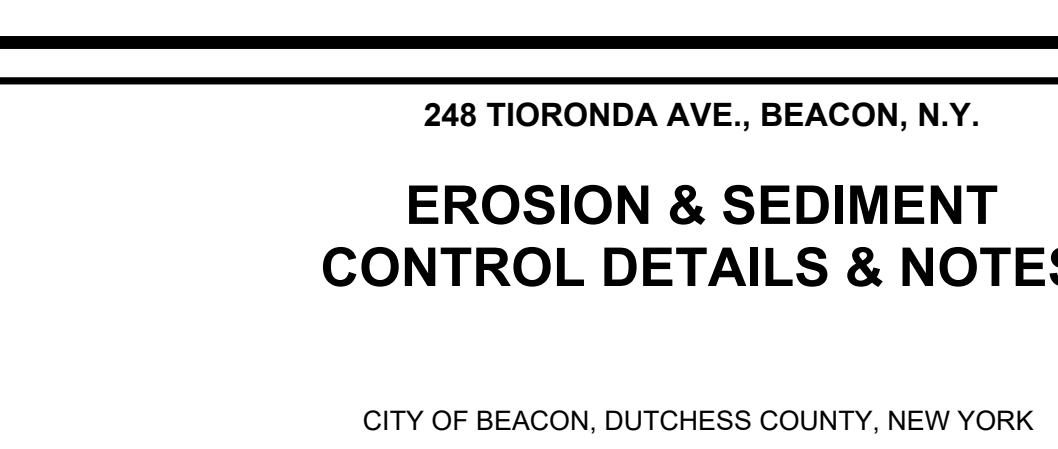
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**COMPACTION REQUIREMENTS**

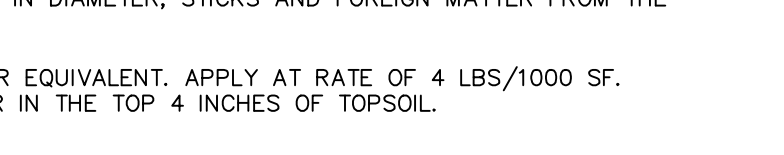
LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1. SERIES OF TESTS FOR EACH 100 FT OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTED TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1. SERIES OF TESTS FOR EACH 100 FT OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTED TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE EMBANKMENT AND PIPE ZONE BACKFILL	95% ASTM D1557	1. TEST FOR EACH 100 FT OR LESS OF TRENCH LENGTH.
PAVEMENT SUBBASE AND LAST LIFT OF SLEEVES OR GRANULAR FILL (TYP. BETWEEN SHEET PILES)	95% ASTM D1557	1. TEST FOR EVERY 2,000 SQ FT. OF LIFT AREA. BUT NO FEWER THAN TWO TESTS PER LIFT.



- NOTES:**
- BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH DICES THIGHTLY BUTTING THE ADJACENT BALES.
  - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4)INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
  - BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR 8-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALE FORWARD. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
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