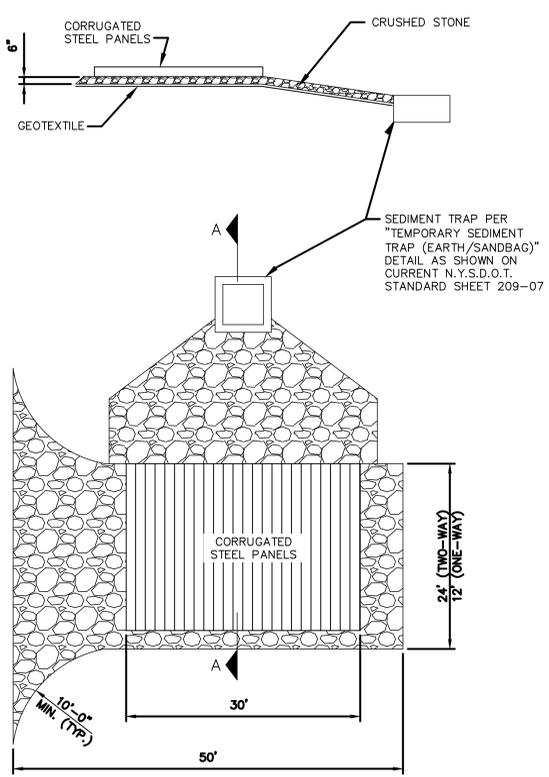
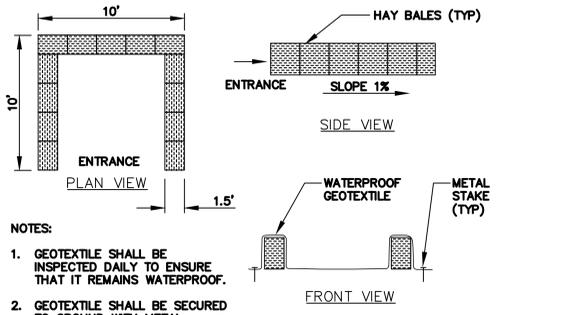


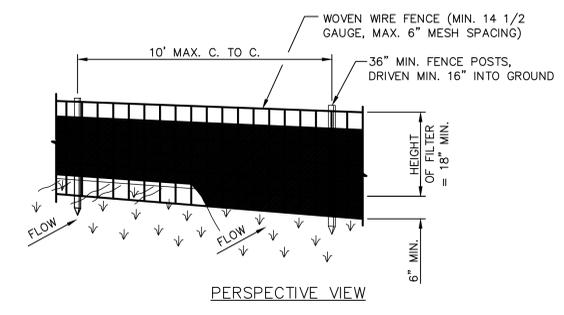
- NOTES:**
- MODIFICATIONS MAY BE REQUIRED TO MEET FIELD CONDITIONS.
  - A 30 FT. WASH AREA SHALL BE PROVIDED. ADDITIONAL GRADING MAY BE REQUIRED TO PROVIDE WASHING AREAS.
  - PROPOSED DRAINAGE PIPES SHALL BE SIZED WITH SUFFICIENT CAPACITY TO CARRY DITCH FLOWS.
  - ALTERNATIVE WAYS OF TRANSPORTING DITCH DRAINAGE ACROSS CONSTRUCTION ENTRANCES MAY BE PROPOSED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
  - ALL WORK TO CONSTRUCT THE STABILIZED ENTRANCE, INCLUDING GRADING, DRAINAGE PIPE, EXCAVATION, FILL, GEOTEXTILE, CRUSHED STONE, GRAVEL, CORRUGATED STEEL PANELS SHALL BE INCLUDED IN THE UNIT PRICE BID.
  - GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA OF STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACING STONE. STONE SHALL BE 1"-4" DIAMETER OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT AT A MINIMUM DEPTH OF 6".
  - ALL SURFACE WATER SHALL BE DIVERTED AWAY FROM CONSTRUCTION ENTRANCE. A MOUNTABLE BERM WITH 5:1 SLOPE IS PERMITTED.
  - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
  - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE (OR CORRUGATED STEEL PANELS).
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE DONE REGULARLY AND FOLLOWING EACH RAINFALL.



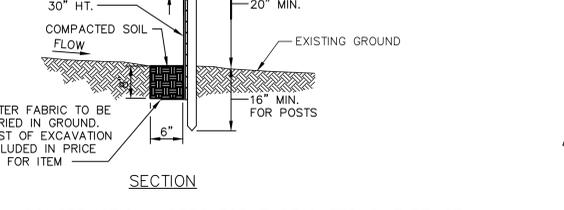
**STABILIZED CONSTRUCTION ENTRANCE/EXIT AND TIRE WASHING STATION**  
NOT TO SCALE



**CONCRETE WASHOUT DETAIL**  
N.T.S.



**SECTION**  
NOT TO SCALE

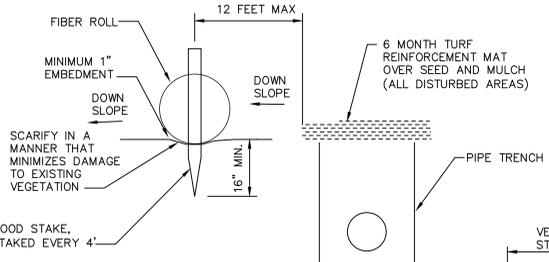


**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

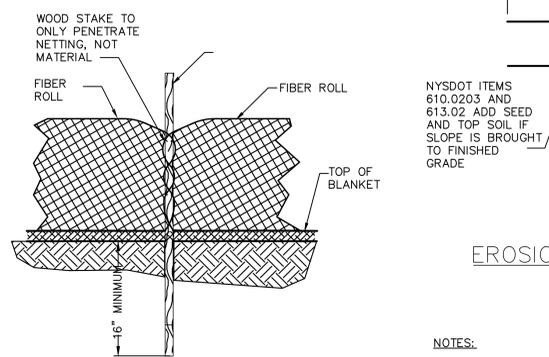
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

- POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD
- FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING
- FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
- PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

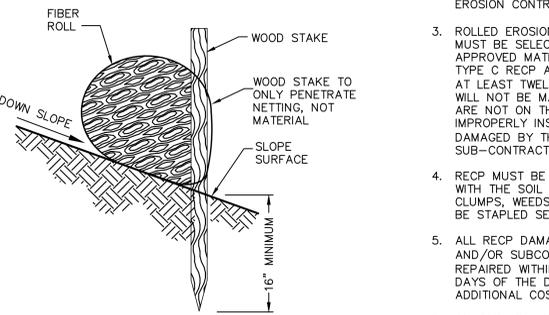
**SILT FENCE DETAIL**  
NOT TO SCALE



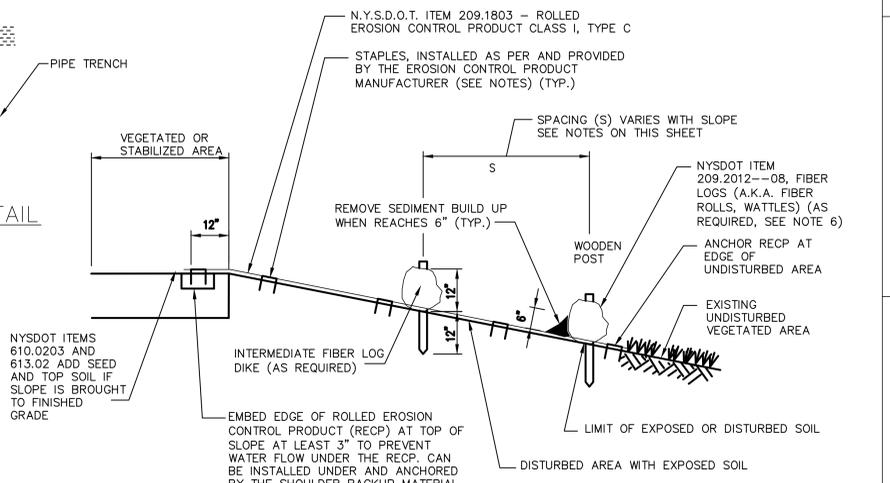
**TEMPORARY FIBER ROLL DETAIL**  
NOT TO SCALE



**STAKE DETAIL (FRONT VIEW)**  
NOT TO SCALE



**STAKE DETAIL (ON BARE SOIL)**  
NOT TO SCALE

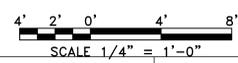


**EROSION AND SEDIMENT CONTROL FOR ALL DISTURBED AREAS TEMPORARY OR PERMANENT**  
NOT TO SCALE

- NOTES:**
- ITEMS IN THIS DETAIL MAY APPEAR EXAGGERATED TO SHOW DETAIL.
  - IF SLOPE IS BROUGHT TO FINISHED GRADE, PERMANENT TOP SOIL AND SEEDING SHALL BE INSTALLED PRIOR TO INSTALLING ROLLED EROSION CONTROL PRODUCT (RECP).
  - ROLLED EROSION CONTROL PRODUCT (RECP) MUST BE SELECTED FROM THE NYSDOT APPROVED MATERIALS LIST FOR CLASS I TYPE C RECP AND HAVE A LONGEVITY OF AT LEAST TWELVE (12) MONTHS. PAYMENT WILL NOT BE MADE FOR MATERIALS THAT ARE NOT ON THE APPROVED LIST, IMPROPERLY INSTALLED, NOT MAINTAINED, DAMAGED BY THE CONTRACTOR AND/OR SUB-CONTRACTORS.
  - RECP MUST BE FLUSH AND IN CONTACT WITH THE SOIL AND NOT RAISED BY CLUMPS, WEEDS, STICKS, ETC. AND MUST BE STAPLED SECURELY.
  - ALL RECP DAMAGED BY CONTRACTOR AND/OR SUBCONTRACTORS SHALL BE REPAIRED WITHIN THREE (3) CALENDAR DAYS OF THE DAMAGE OCCURRENCE AT NO ADDITIONAL COST TO THE OWNER.
  - AS PART OF FINAL STABILIZATION, WOODEN STAKES TO BE REMOVED AND FIBER LOG MULCH NETTING CUT OPEN ALONG ENTIRE LENGTH.
- FIBER ROLL APPLICATION NOTES:**
- THE PRIMARY PURPOSE OF A FIBER ROLL DIKE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDED BEHIND THE MEASURE, AND SEDIMENT FALLS OUT OF SUSPENSION.
  - FIBER ROLL DIKES CAN BE USED IN SENSITIVE AREAS WHERE CONTROL OF WEEDS AND INVASIVE PLANT SPECIES IS DESIRED.
  - FIBER ROLL DIKE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). THEY MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM, AS SHOWN IN THE DETAIL. THE ENDS SHALL CURVE UP SLIGHTLY (6") TO IMPOUND RUNOFF.
  - FIBER ROLLS SHALL NOT BE USED IN OR ACROSS A FLOWING NATURAL CHANNEL.
  - FIBER ROLLS ARE NOT TO BE INSTALLED SO THAT RUNOFF WILL FLOW ALONG THE FIBER ROLL IN A CONCENTRATED MANNER.
- FIBER ROLL GENERAL NOTES:**
- FIBER ROLL DIKE SHALL BE PLACED A MINIMUM OF 2 FEET FROM TOE OF SLOPE, (5 FEET PREFERRED), TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND TO FACILITATE MAINTENANCE OF THE SEDIMENT CONTAINMENT AREA.
  - POSTS MAY BE 1.5" x 1.5" (MINIMUM) HARDWOOD, 1.5" x 3.5" (MINIMUM) SOFTWOOD, OR 2kg/m (MIN) STEEL. SPACING SHALL BE 36" (MAXIMUM) BETWEEN STAKES.
  - MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS, AFTER EACH RAINFALL OF 0.5" OR MORE WITHIN A 12 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
  - SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
  - DRAINAGE AREAS: MAXIMUM DRAINAGE AREA TRIBUTARY TO 100' OF FIBER ROLL SHALL BE 0.5 ACRE
  - THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS TO FIBER ROLL MEASURES:
- | SLOPE | S    |
|-------|------|
| 1:2   | 25'  |
| 1:3   | 80'  |
| 1:4   | 130' |
| 1:5   | 200' |
- NOTE:**  
"ITEM" NUMBERS REFER TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION (N.Y.S.D.O.T.) SPECIFICATIONS.

**EROSION AND SEDIMENT CONTROL NOTES**

- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAMS OR WATERWAYS BY SILT, SEDIMENTS, FUEL SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
- ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED OF AND BANKS OF ALL WATER AREAS TO APPROPRIATE UPLAND AREAS FOR DISPOSAL.
- ALL DREDGED AND EXCAVATED MATERIAL SHALL BE DISPOSED OF ON AN UPLAND SITE AND BE SUITABLY STABILIZED SO THAT IT CANNOT REASONABLY RE-ENTER ANY BODY OF WATER.
- INSPECTION, PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE REGULARLY DONE BY THE CONTRACTOR AND A.O.B.E. IN ACCORDANCE WITH THE SWPPP.
- ALL FIBER ROLL SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION AND A.O.B.E.
- HEAVY EQUIPMENT SHALL NOT BE DRIVEN IN THE WATER.
- FIBER ROLLS/STRAW WATTLES SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW, THE ENGINEER MAY CALL FOR BRACING FENCE WITH HAY BALES OR WIRE FENCING.
- IN THE EVENT A DEWATERING OPERATION BECOMES NECESSARY, A SETTING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAN AND FREE OF SEDIMENT AS THE FLOWING STREAM.
- NO DISCHARGE OF TEMPORARY FILL MATERIAL INTO THE WATERWAY IS PERMITTED. SHOULD THE CONTRACTOR WISH TO CONSTRUCT A TEMPORARY ACCESS OR CAUSEWAY IN THE WATER TO FACILITATE REMOVALS OR NEW CONSTRUCTION, ADDITIONAL PERMITS FROM THE U.S. ARMY CORP OF ENGINEERS AND N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION MAY BE REQUIRED. ALL EFFORTS SHALL BE COORDINATED THRU THE ENGINEER AND THE NYSDOT REGIONAL PERMIT ADMINISTRATOR. DELAYS OR EXTRA COSTS ASSOCIATED WITH SECURING APPROVALS, OR ADDITIONAL PERMITS, FOR THE PLACEMENT OF THE TEMPORARY FILLS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- U.S. ARMY CORPS OF ENGINEERS SECTION 404 OF THE CLEAN WATER ACT (33 U.S.C. 1344) PROHIBITS THE DISCHARGE OF DREDGED OR FILL MATERIALS INTO THE WATERS OF THE UNITED STATES WITHOUT A PERMIT FROM THE U.S. ARMY CORPS OF ENGINEERS.
- THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION SECTION 401 BLANKET WATER QUALITY CERTIFICATION PERMIT AS APPLICABLE.
- CONTRACTOR SHALL PROTECT ALL STOCKPILED SOILS WITH APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES AS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN.
- CONTRACTOR SHALL PROTECT ALL VEGETATION OUTSIDE THE LIMITS OF CONSTRUCTION AND MINIMIZE DISTURBANCE TO VEGETATION WITHIN THE LIMITS OF CONSTRUCTION. WHERE VEGETATION IS TO BE DISTURBED, CONTRACTOR SHALL ADHERE TO SECTION 02935 OF THE CONTRACT DOCUMENTS.
- DURING CONSTRUCTION, NO WET OR FRESH CONCRETE SHALL BE ALLOWED TO ESCAPE INTO ANY WATERS. NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WATERS. CONCRETE WASH OUT SHALL BE PREFABRICATED CONCRETE WASHOUT OR CREATED BASED ON EPA STORMWATER BEST MANAGEMENT PRACTICE: CONCRETE WASHOUT. DETAILS OF THE WASHOUT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.



**FINAL DESIGN (100%)**

ARCHITECT / STRUCTURAL:	CIVIL:		PROJECT PRIME/ENGINEER:	CIVIL ENGINEER:	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management Department of Veterans Affairs
			SIGMA PSI Consulting MECHANICAL, ELECTRICAL, PLUMBING ENGINEERS, PLLC 4 COLLAMER ROAD MALTA, NY 12020 518-581-9428 http://www.sigmapi.com	Barton & Loguidice, D.P.C.	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	Renovate Sewage Treatment Plant Trickling Filter VA Hudson Valley Healthcare System at Castle Point, New York	VA 620A4-14-108 Building Number	
Revisions:	Date				Approved: Project Director	Location	Drawing Number	
					APRIL 26, 2018	4 Castle Point Road Wappinger Falls, NY 12590	CU006	