

EROSION AND SEDIMENTATION CONTROL PLAN:

The cap area includes approximately 5.51 acres. The receiving water for the site's runoff is the Naugatuck River located along the east edge of the site.

The project consists of the closing and capping of the Connecticut Resources Recovery Authority (CRRRA) Waterbury Landfill. Construction is expected to take place in 2008.

DESIGN CRITERIA:

- Erosion and sedimentation control measures have been located with consideration given to slopes, wetlands, and watercourses and in accordance with the Connecticut "Guidelines for Soil Erosion and Sediment Control" (The Guidelines), of the Connecticut Council of Soil and Water Conservation, Latest Edition. The Guidelines shall be considered an integral component of the erosion control design requirements and the minimum standards contained within shall be considered part of the plan and shall be observed during all phases of the construction.
- Temporary sediment traps are located throughout the project site where earth disturbance and ground shaping will be performed. These sediment traps have been sized in accordance with the Guidelines. All sediment traps shall be maintained until final stabilization of the contributing area.

INSTALLATION AND/OR APPLICATION PROCEDURES:

- Erosion and sedimentation control devices shall be constructed in accordance with the project plans and specifications.

OPERATION, MAINTENANCE PROGRAM, AND INSPECTIONS:

- Prior to any construction, a pre construction conference is to be held among the Design Engineer, the Owners, and the Contractor to review the erosion and sedimentation control measures to be taken. The contractor shall be responsible for arranging the pre construction conference.
- All erosion control measures associated with the construction are to be installed and maintained in accordance with the schedule and requirements. Additional control measures shall be installed during the construction period as necessary and required. Such additional measures shall be designed in accordance with the Guidelines.
- All soil erosion and sediment control measures within any phase of construction must be installed before any construction within the limits of that phase begins.
- Silt Fence, backed by hay bales, will be installed along the toe of all critical cut and fill slopes, as depicted on the design plans.
- Sediment removed from control measures must be disposed of at a location approved by the Design Engineer that will not cause additional sedimentation to the surrounding area.
- Qualified personnel (provided by the contractor) shall inspect disturbed areas of the construction activity that have not been fully stabilized; structure control measures, and locations where vehicles enter or exit the site at least once every seven (7) calendar days within 24 hours of the end of a storm that is 0.1 inches or greater. Where sites have been stabilized, such inspection shall be conducted at least once every month for three (3) months.
- Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment loading. Contractor shall remove any sediments tracked onto surrounding roadways immediately and implement measures to prevent further impact to surrounding roadways.
- Based on the results of this inspection, the description of potential sources and pollution prevention measures identified in the plan shall be revised as appropriate or as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the site within 24 hours and implementation of any changes to the plan within three (3) calendar days following the inspection. The plan shall be revised and the site controls updated in accordance with sound engineering practices, the Guidelines and subsections (4) and (6)(c)(3) of the Stormwater General Permit.
- A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Stormwater Pollution Control Plan and actions taken shall be made and retained as part of the plan for at least three (3) years after the date of inspection. The report shall be signed by the Contractor, or his authorizing representative.
- Contractor shall maintain adequate water supply to perform dust suppression as conditions require. Alternative dust control methods include application and maintenance of wood chips to Unpaved roadway surfaces. Paved surfaces shall be swept or tracked soil on a regular basis to ensure proper dust control.

BEST MANAGEMENT PRACTICES

- Construction shall proceed in accordance with the requirements of the general sequence of grading and construction activities, application of soil erosion and sediment control measures, and final stabilization of site as indicated on the plans.
- Prior to any dewatering the contractor must submit to the Engineer a written proposal for specific methods and devices to be used, and obtain the Engineer's approval of such method and devices to be used for dewatering activities including, but not limited to, pumping the water into a temporary sedimentation trap, providing surge protection at the inlet and outlet of pumps or floating the intake of the pump, or other methods to minimize and retain the suspended solids. If the Engineer determines that the pump operation is causing turbidity problems, said operation shall cease until such time as means of controlling turbidity is submitted by the contractor and approved by the Engineer and implemented by the contractor.
- Dumping of oil, chemicals or other deleterious materials on the ground is forbidden. The contractor shall provide a means of catching, retaining and properly disposing of drained oil, removed oil filters, and other deleterious material. All spills of such materials shall be reported immediately the contractor to the DEP.
- Applications of fertilizers, herbicides or pesticides must be done by a Connecticut licensed applicator. The Contractor shall submit to the Engineer the proposed applicator's name and license number, and must receive the Engineer's approval of the proposed applicator before such application is carried out.

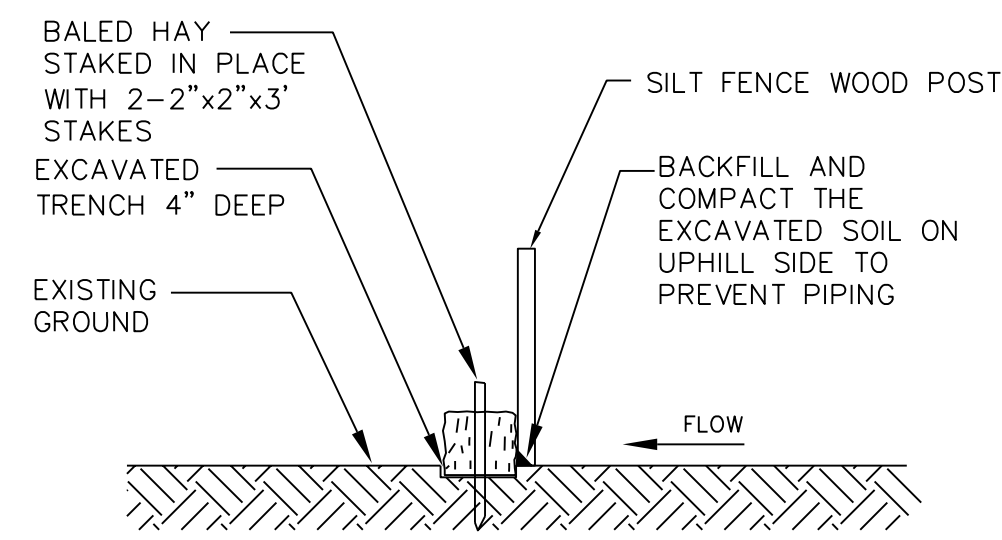
SOIL STABILIZATION MEASURES

- All topsoil not to be used for final grading/landscaped areas shall be removed from the site immediately, in accordance with applicable State and Local laws. All topsoil to be used in landscaped areas shall be stored/stockpiled in accordance with applicable State and Local laws.
- Jute Netting shall be installed on all final slopes steeper than 3:1 in grade. Green Armor System (Enkamot 7010 Turf Reinforcement Mat (TRM) infilled with Flexterra FGM) or approved equal shall be installed in accordance with manufactures recommendations in areas noted on EC-1.
- All disturbed areas are to be provided with at least 6" of topsoil before final seeding.
- Permanent vegetation is to be hydroseeded on all exposed areas within ten (10) days after final grading.
- Permanent vegetation: See Landscaping Plans

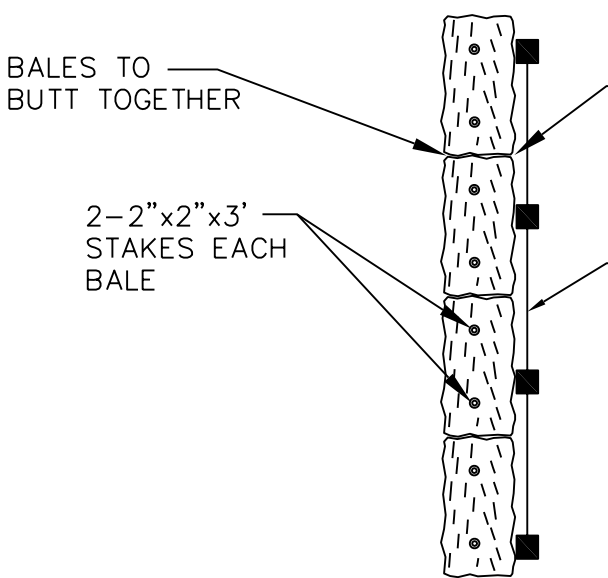
RESPONSIBLE PARTIES

Connecticut Resources Recovery Authority (CRRRA)
100 Constitution Plaza, 6th Floor
Hartford, Connecticut 06103
(860) 757-7700

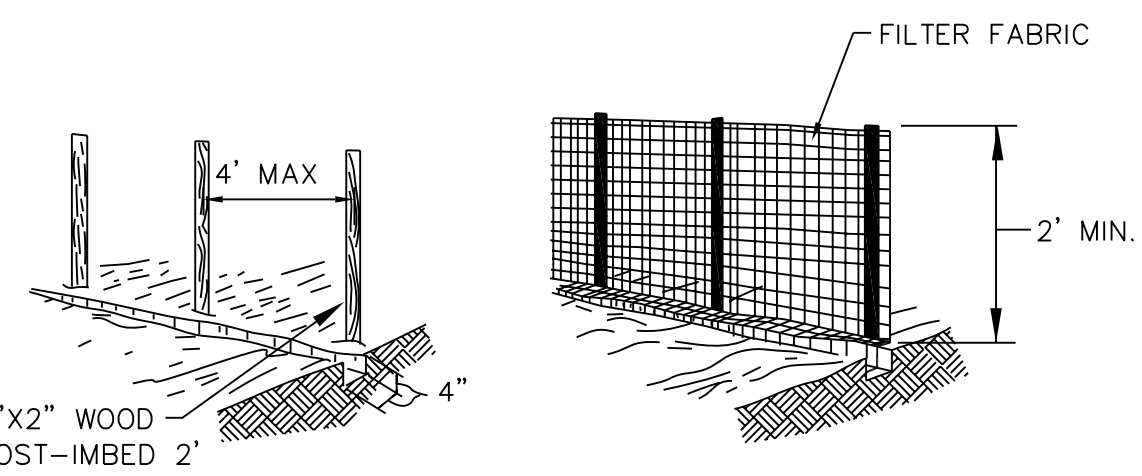
is assigned the responsibility for implementing the control measures of this plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of this plan, and notifying the Planning and Zoning Commission of the transfer of responsibility, and for conveying a copy of this plan if title to the property is transferred.



ELEVATION

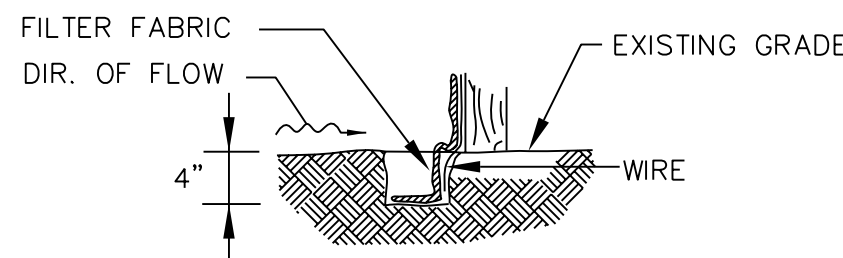


PLAN



- SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
- STAPLE FILTER FABRIC TO THE POSTS AND EXTEND INTO TRENCH.
- BACKFILL AND COMPACT THE EXCAVATED SOIL INTO THE TRENCH.

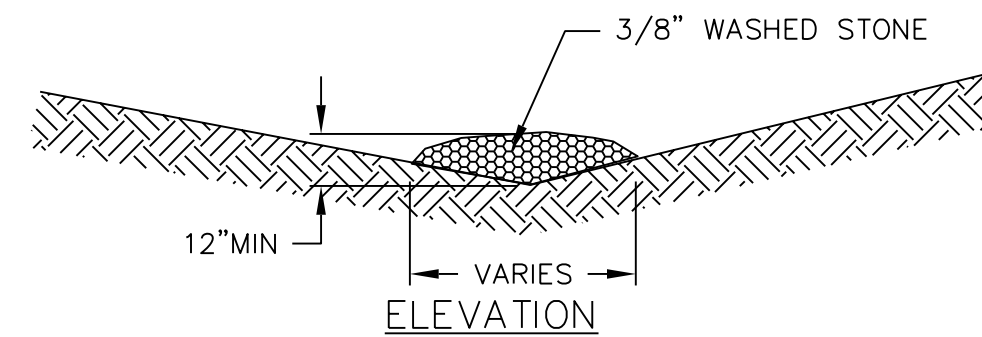
EXTENSION OF FABRIC INTO THE TRENCH.



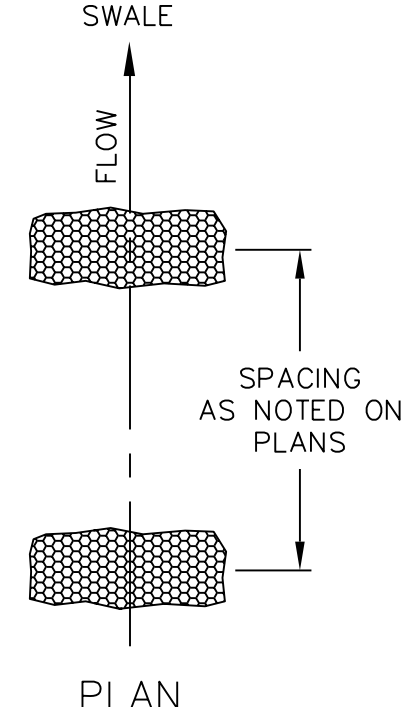
TYPICAL SILT FENCE INSTALLATION

1 TEMPORARY SEDIMENT AND EROSION CONTROL BARRIER SILT FENCE BACKED BY HAY BALES

NTS



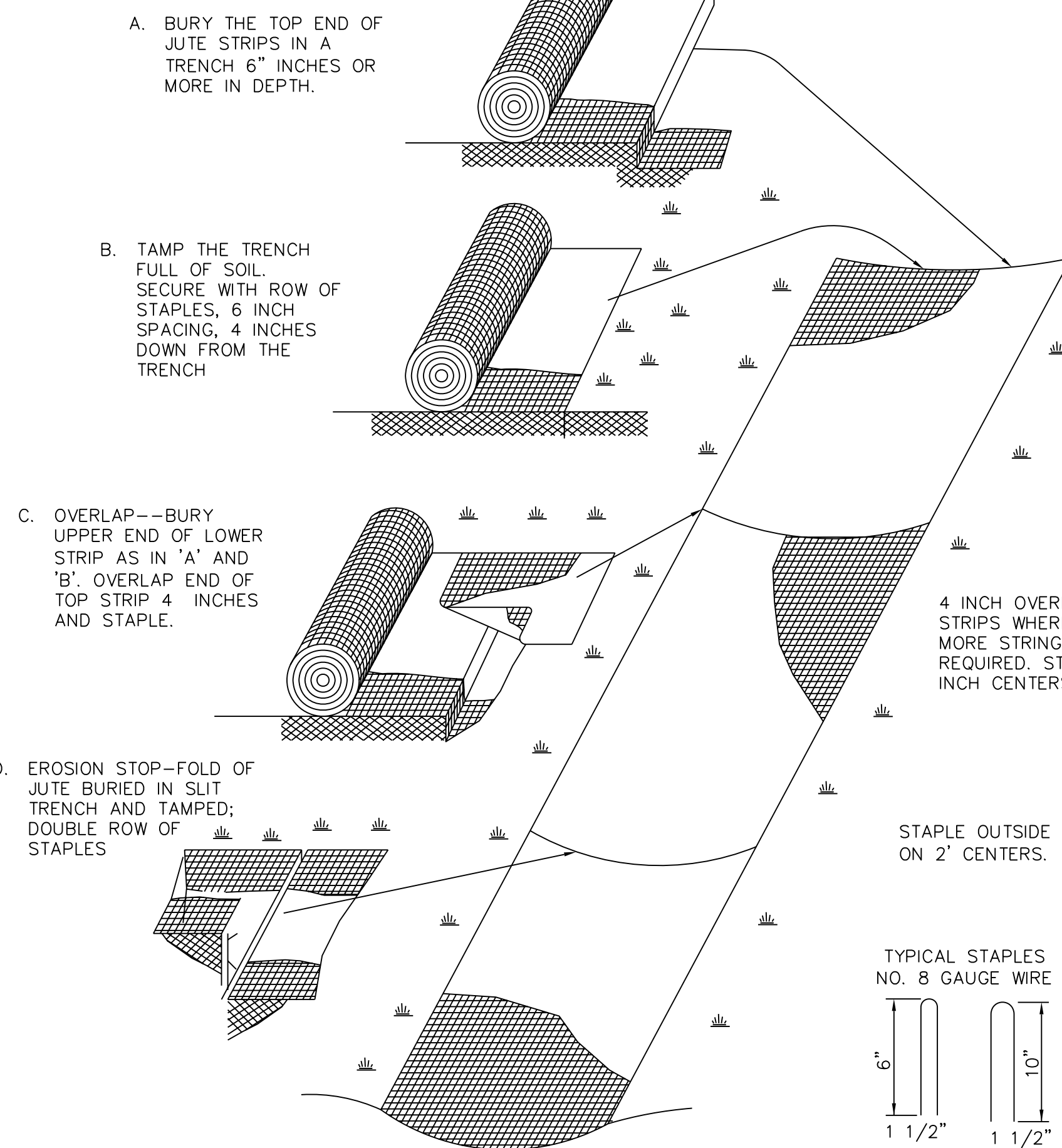
ELEVATION



PLAN

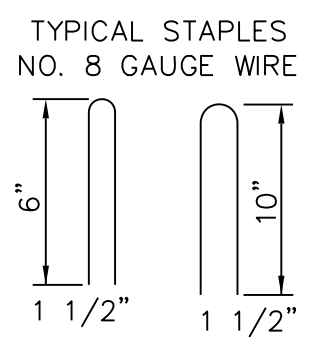
3 STONE CHECK DAM

NTS

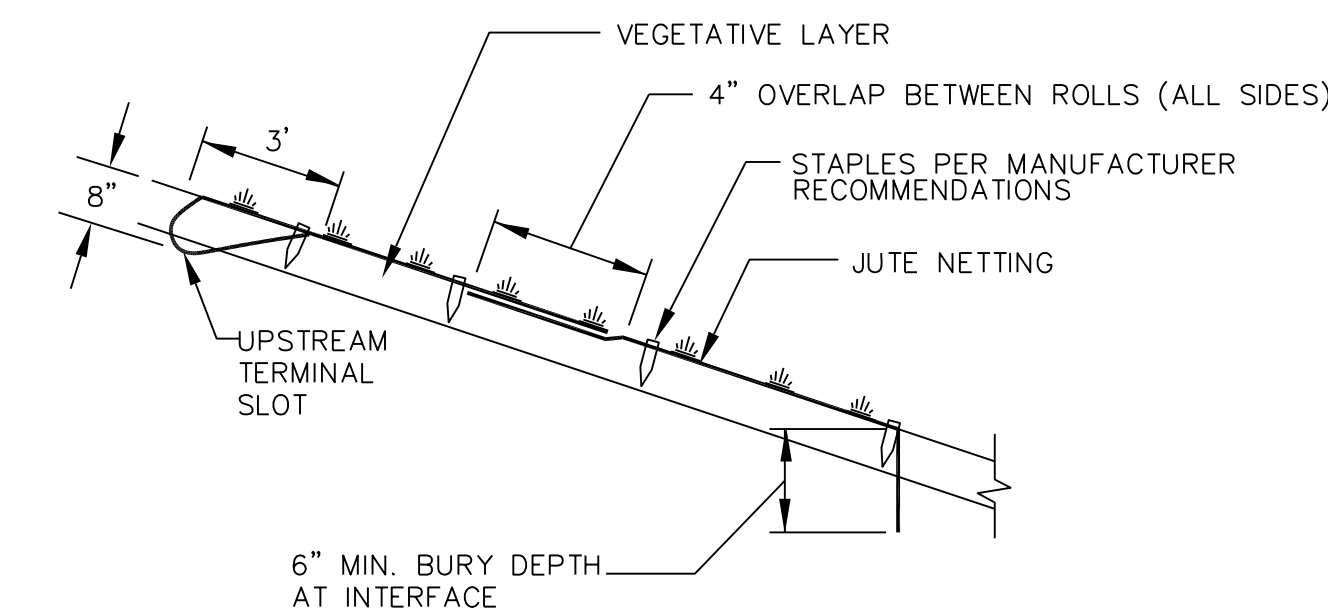


2 INSTALLATION OF JUTE NETTING IN GRASS SWALES

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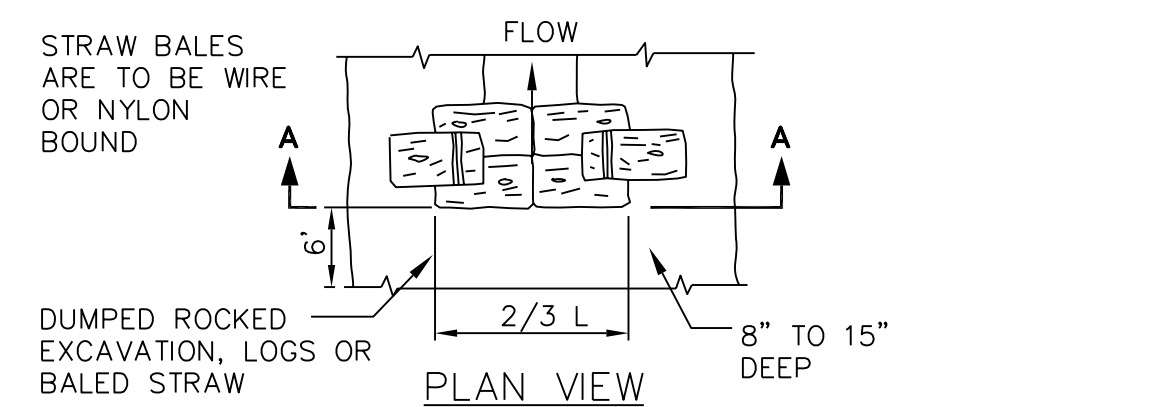
TYPICAL STAPLES NO. 8 GAUGE WIRE



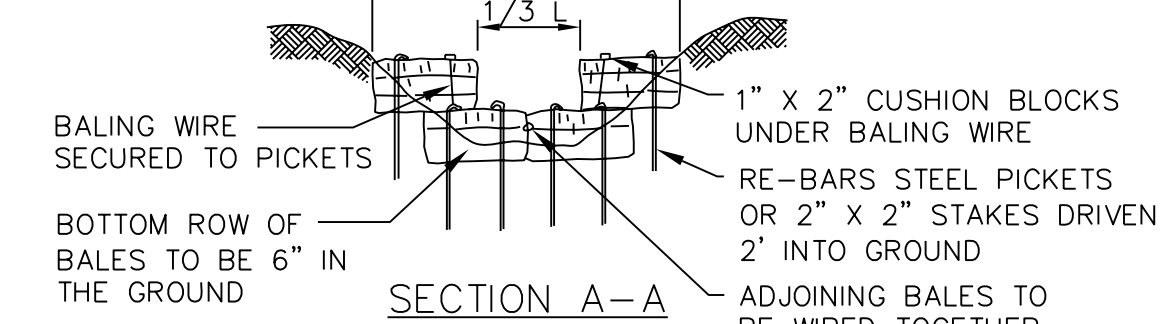
4 INSTALLATION OF JUTE NETTING ON SLOPES

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NOTE: IN AREAS ADJACENT TO PROPERTY LINE AND WITHIN 100' OF WETLAND BOUNDARY, ENKAMAT 7010 OR APPROVED EQUAL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



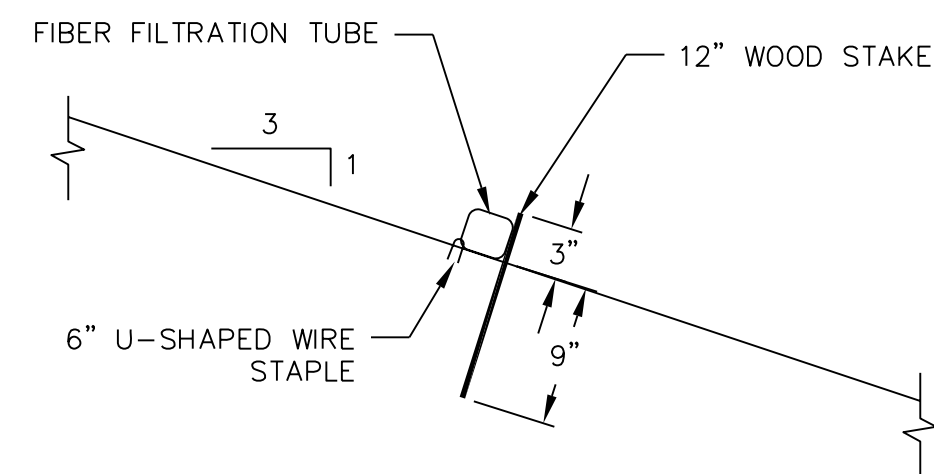
PLAN VIEW



SECTION A-A

5 STRAW BALE CHECK DAM (SD)

NTS



NOTES:

- ANCHOR UPSLOPE SIDE OF FFT USING 6" U-SHAPED WIRE STAPLES AT 1' INTERVALS. PLACE ANCHORS 1" INWARD FROM UPPER EDGE OF FFT.
- RAISE TO BE THE FULLEST HEIGHT AND DRIVE 12" WOOD STAKES THROUGH DOWNSTREAM SIDE.

6 INSTALLATION OF FIBER FILTRATION TUBES (FFT)

NTS

NO.	REVISIONS	DATE	APPROVAL
CONNECTICUT RESOURCE RECOVERY AUTHORITY WATERBURY LANDFILL HIGHLAND AVENUE & HIGHVIEW STREET WATERBURY, CONNECTICUT			
EROSION AND SEDIMENTATION CONTROL DETAILS			
DESIGN: MB 10/12/07 DRAWN: KDH 10/12/07 CHECKED: CNS 10/12/07 SCALE: NTS PROJECT: 106811-000140-000000 DRAWING:		21 Griffin Road North Windsor, CT 06095 (860) 298-9692	
EC-2			

DATE: _____
 CARL N. STOPPER
 PROFESSIONAL ENGINEER
 CT PE # 13255