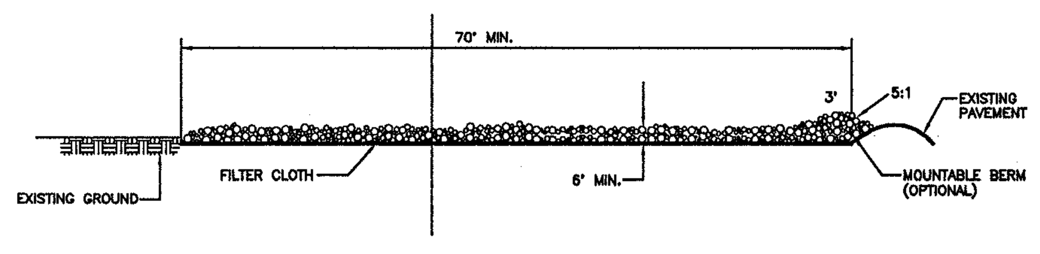
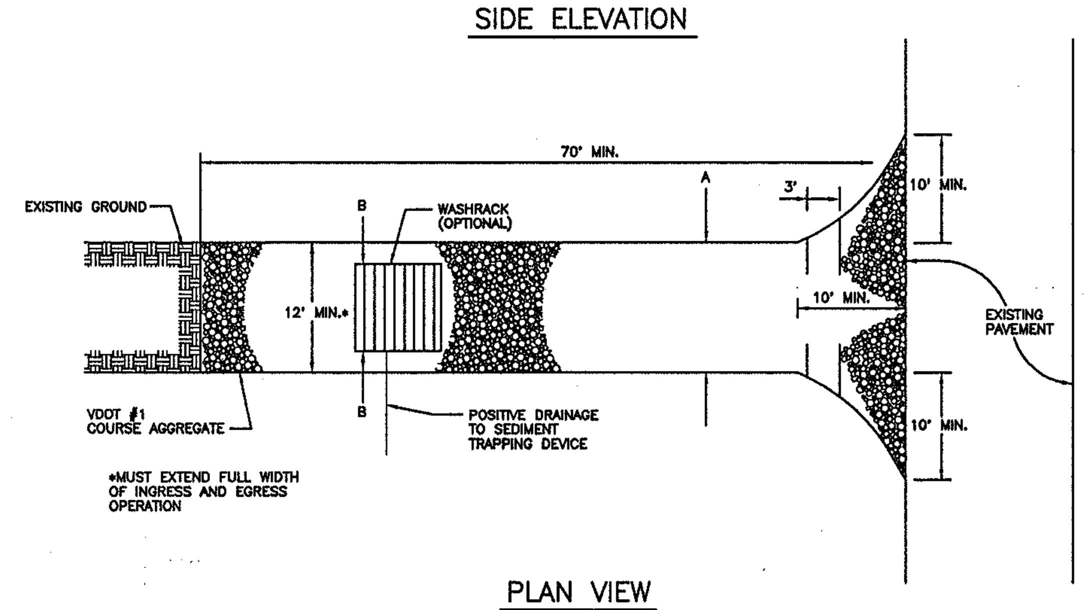
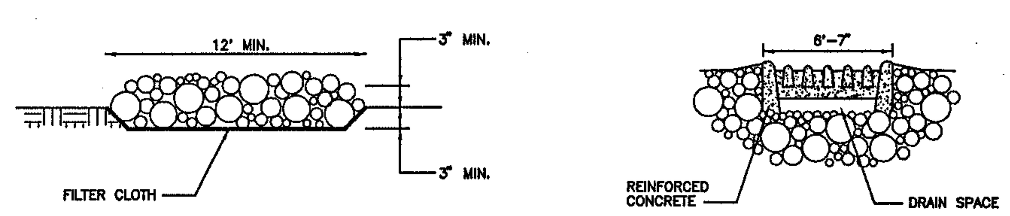


SIDE ELEVATION

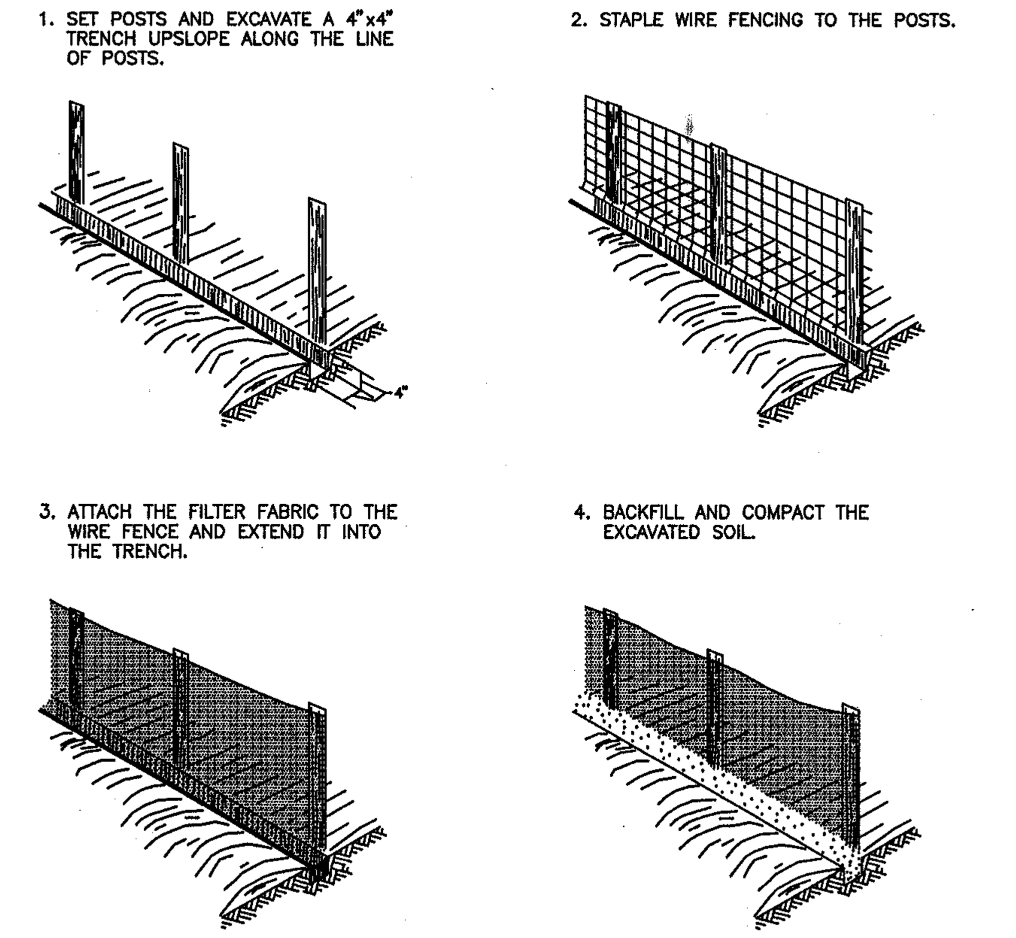


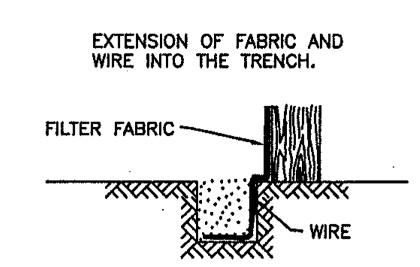
PLAN VIEW



SECTION A–A SECTION B–B

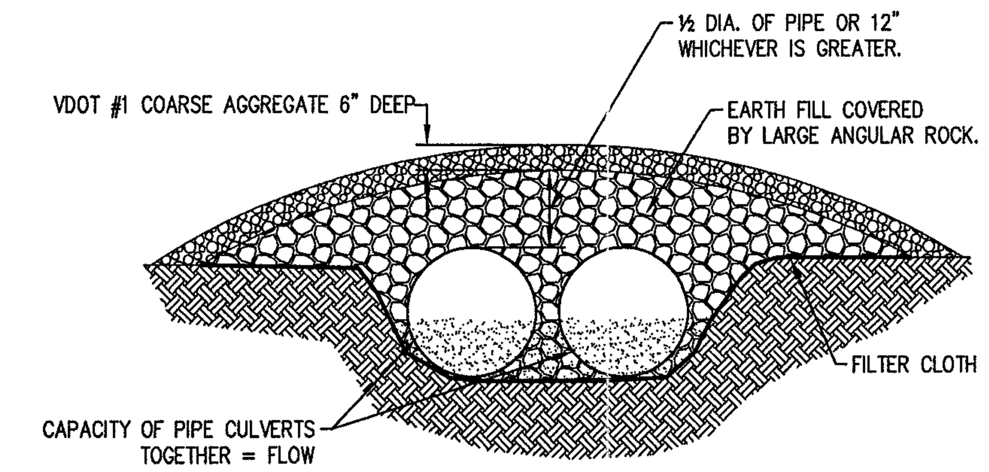
STONE CONSTRUCTION ENTRANCE



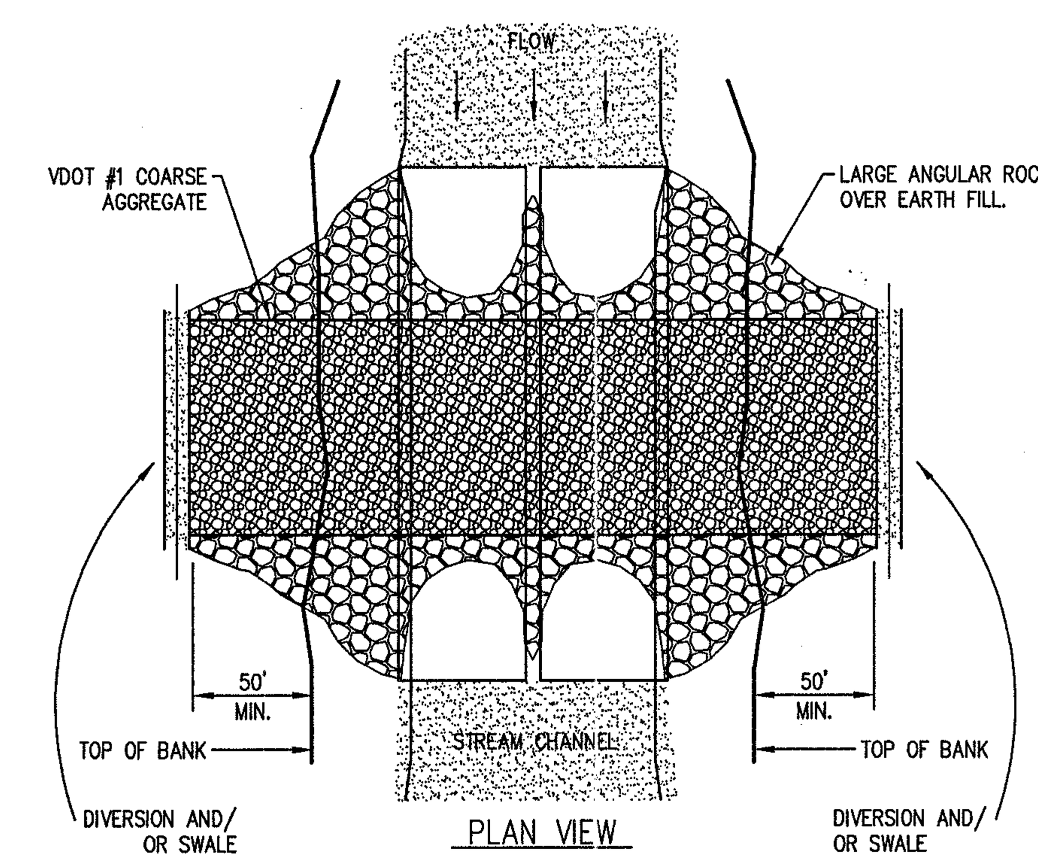


CONSTRUCTION OF A SILT FENCE

SILT FENCE

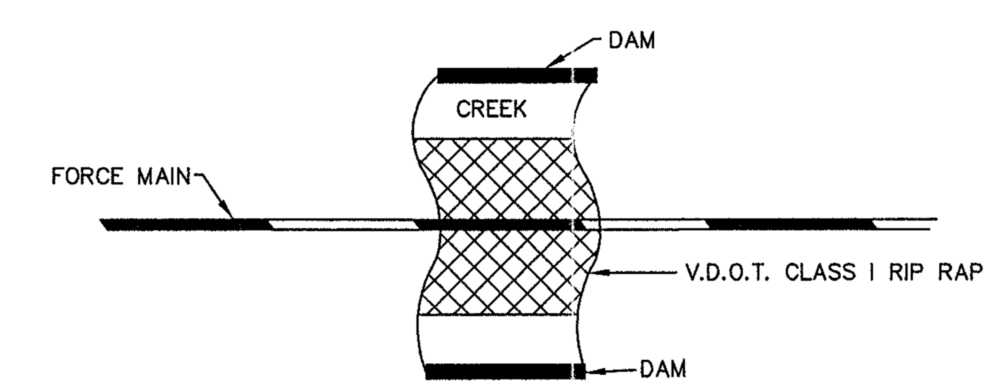


ELEVATION

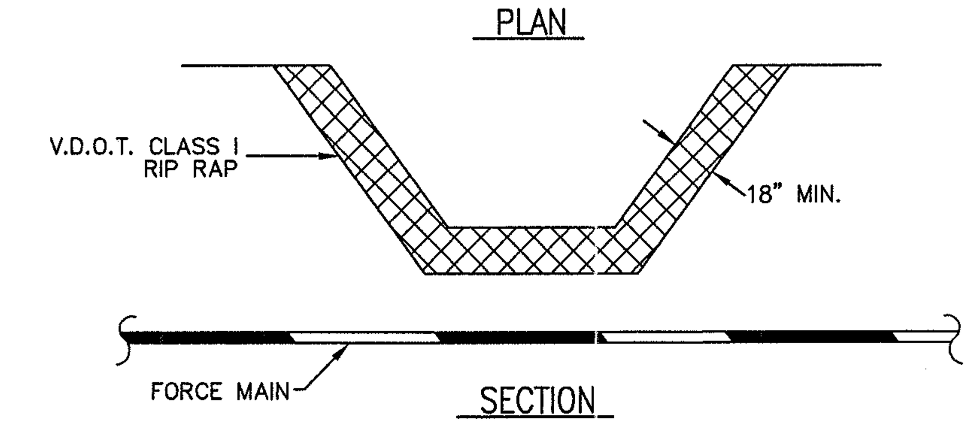


PLAN VIEW

TEMPORARY CULVERT CROSSING



PLAN



SECTION

NOTES:

1. DAMS ARE TO BE PLACED UPSTREAM & DOWNSTREAM, OUTSIDE THE LIMITS OF RIP–RAP. DAMS ARE TO BE REMOVED AFTER COMPLETION OF CREEK CROSSING.
2. METHOD & MATERIAL FOR CONSTRUCTION OF DAMS SHALL BE APPROVED BY THE COUNTY ENGINEER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PASSING ALL WATER WHICH IS PUMPED FROM AREA BETWEEN DAMS, THROUGH A FILTERING MEDIUM & DISCHARGED AT LEAST 25 FEET FROM CREEK BANK.
4. ALL CREEK BANKS DISTURBED DURING CONSTRUCTION WILL BE RIP–RAPPED WITH VDOT CLASS I RIP–RAP.
5. CONTRACTOR HAS THE OPTION TO SUBMIT FOR APPROVAL, AN ALTERNATE METHOD FOR THE FORCE MAIN CROSSING OF BLACKWATER SWAMP CREEK. THIS ALTERNATE METHOD SHALL INCLUDE PROCEDURES TO PREVENT SOIL EROSION, IN ACCORDANCE WITH VIRGINIA EROSION & SEDIMENT CONTROL STANDARDS.

BLACKWATER SWAMP CREEK CROSSING DETAIL

F.M. STA. 69+29± TO W.L. STA. 69+47±

EROSION & SEDIMENT CONTROL

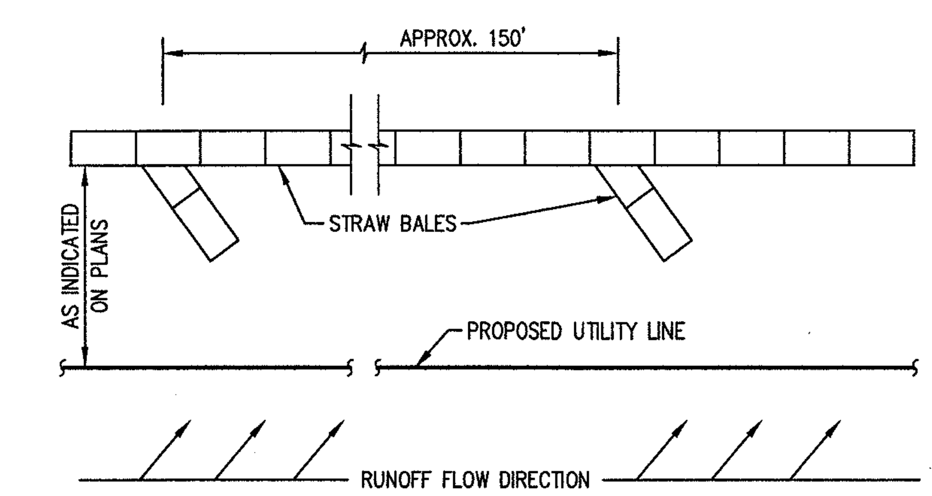
Narrative: This project consists of the installation of a 6" force main along the eastern side of Prince George Drive (Rte. 156) from existing pump station north to 300' north of of the intersection of Trailing Rock Road. The force main alignment runs parallel to the highway across lawn or kept areas and easements varying from MSL elevation 114 to MSL elevation 143.

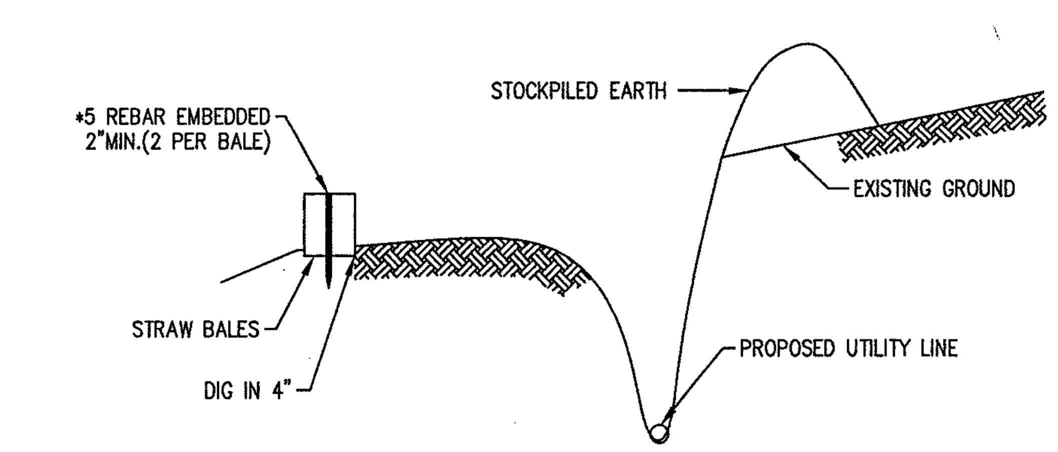
EROSION and SEDIMENT CONTROL MEASURES AND SEQUENCING:

1. Install construction entrances CE 3.02 at locations designed by VDOT or property owner or both.
2. Place silt fence SF 3.05 or straw bale barrier STB 3.04 along alignment of all stockpiled materials as shown on detail "Temporary Straw Bale – Run Off Siltation Control".
3. Construct inlet protection IP 3.07 for existing drop inlets as construction progresses along alignment.
4. Fine grade, mulch, seed and stabilize all disturbed areas.
5. Contractor is responsible for regular inspection and maintenance of all erosion and sediment control devices. After each storm all devices shall be inspected and if necessary repaired.

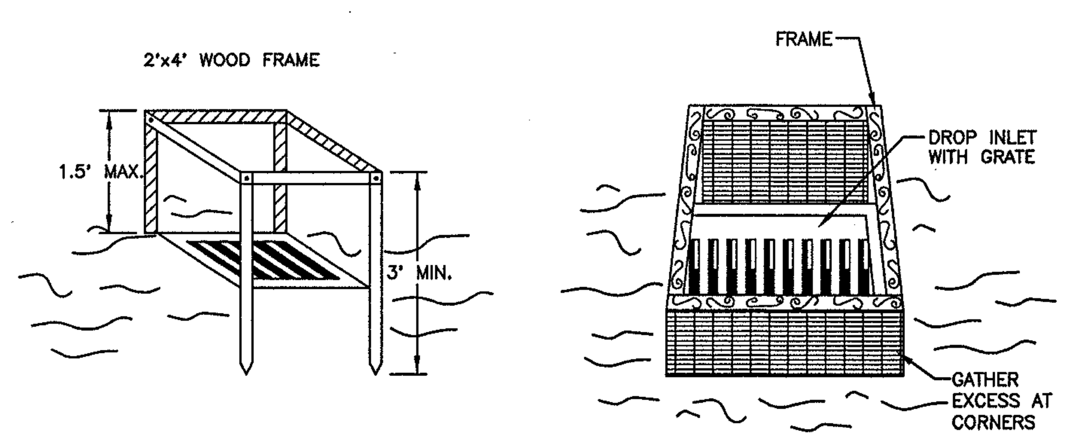
NOTES:

1. See "Virginia Erosion and Sediment Control Handbook" Chapter 3 for details concerning the construction of erosion and sediment control devices.
2. All erosion and sediment control measures must be installed, maintained and removed in accordance with the criteria and guidelines contained in the current edition of the "Virginia Erosion and Sediment Control Handbook".
3. Contractor shall obtain and comply with all federal and/or state permits in relationship to the wetlands and submit the same.
4. Contractor shall install a construction entrance wherever construction vehicles enter or exit site. (see detail)
5. No more than 500 feet of trench are to be opened at one time.
6. Where consistant with safety and space considerations, excavated material is to be placed on the uphill side of the trenches.
7. Trench dewatering devices shall discharge in a manner which will not adversely affect flowing streams, drainage systems or off–site property.

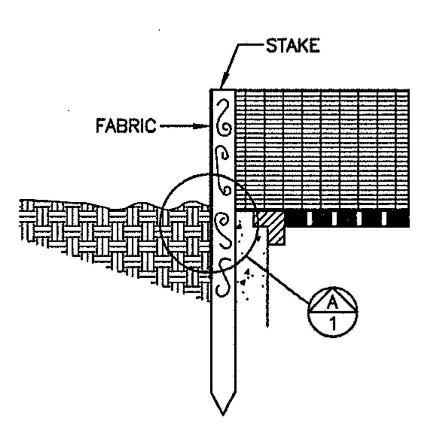


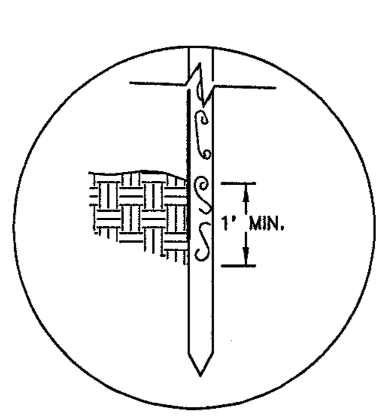


TEMPORARY STRAW BALE (T.S.B. – 1)
RUN OFF SILTATION CONTROL



PERSPECTIVE VIEWS





ELEVATION OF STAKE AND FABRIC ORIENTATION

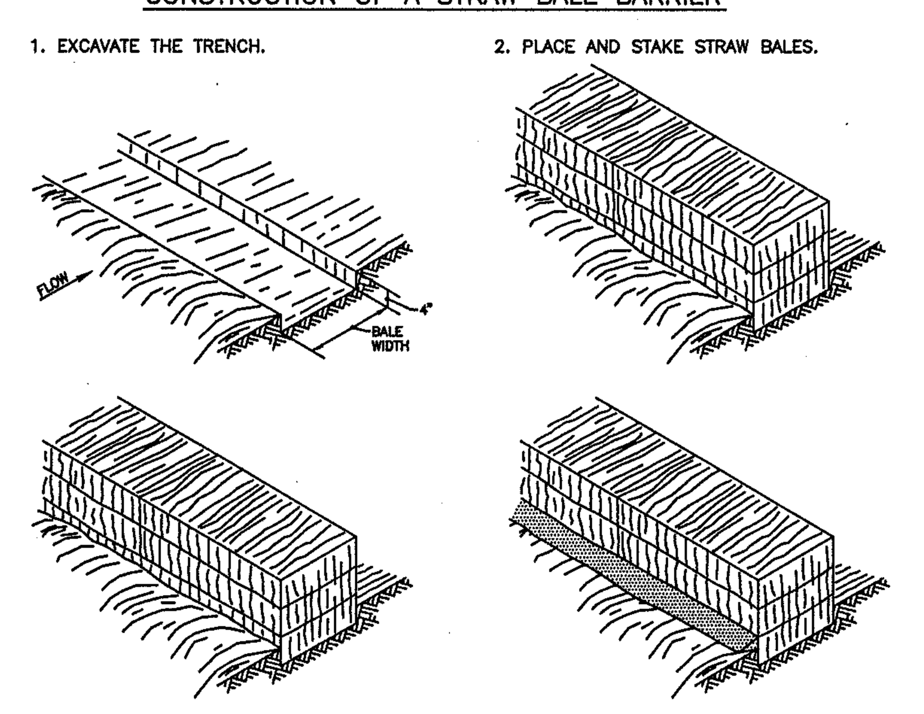
DETAIL A

SPECIFIC APPLICATION

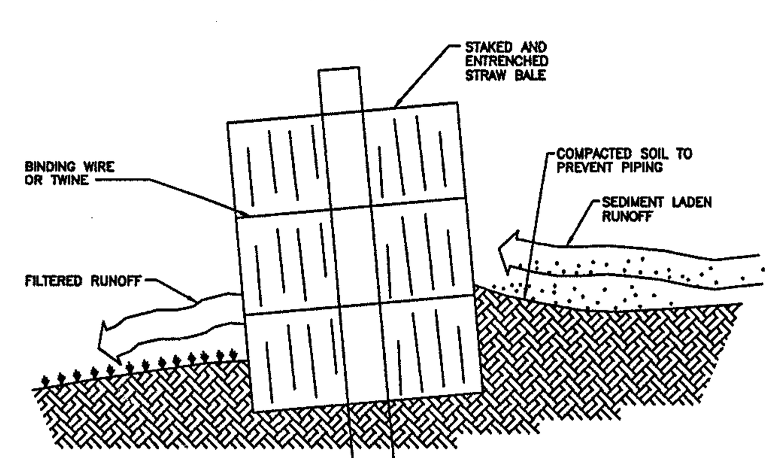
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

SILT FENCE DROP INLET PROTECTION

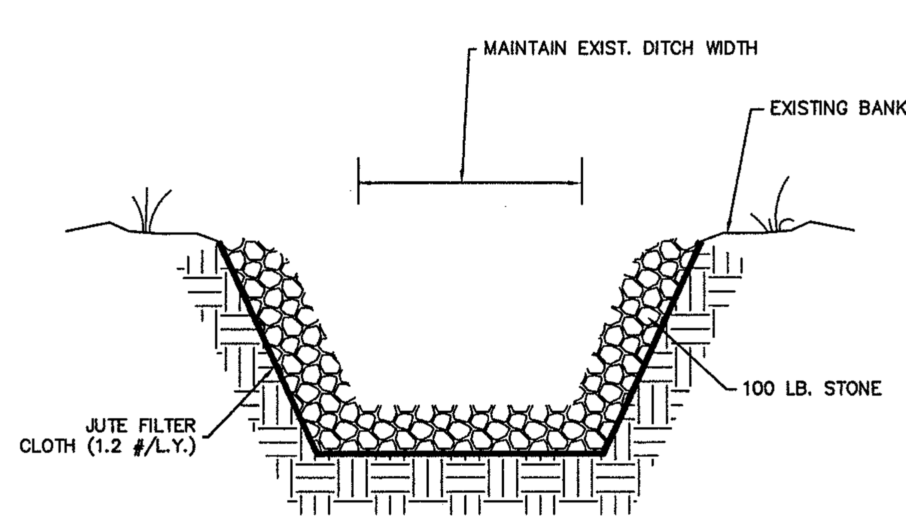
CONSTRUCTION OF A STRAW BALE BARRIER



CROSS–SECTION OF A PROPERLY INSTALLED STRAW BALE



STRAW BALE



RIP–RAP DETAIL

REV. NO.	DATE	DESCRIPTION	BY

REVISIONS

COMMONWEALTH OF VIRGINIA
6.20.96
TAYLOR F. TURNER, III
No. 17764
PROFESSIONAL ENGINEER

R. STUART ROYER & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
RICHMOND, VIRGINIA

COUNTY OF PRINCE GEORGE, VIRGINIA
ROUTE 156 SEWER IMPROVEMENTS

EROSION AND SEDIMENT CONTROL

DATE:	APRIL 1, 1996
SCALE:	
DESIGNED:	V.D.C.
DRAWN:	L.L.S.
CHECKED:	T.F.T. III

DRAWING NO. 9607

13 OF 15 SHEETS