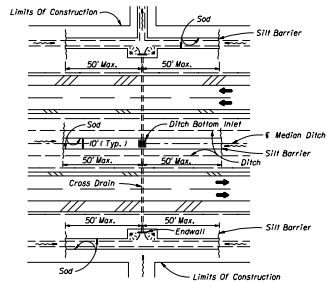
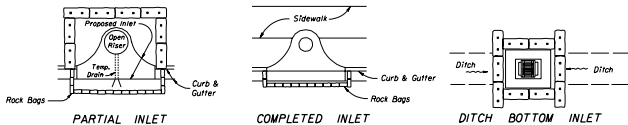


CHART I
 RECOMMENDED SPACING FOR BALED HAY BARRIERS AND TYPE III SILT FENCE

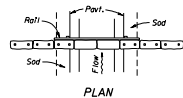


DITCH INSTALLATIONS AT DRAINAGE STRUCTURES

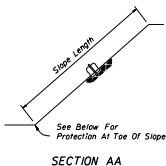
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD DESIGN			
ROCK BAG, BALED HAY, BALED STRAW AND SILT FENCE BARRIERS			
DESIGNED BY	DATE	APPROVED BY	
EDP	02/80	<i>J. A. McNamee</i>	STATE OF FLORIDA ENGINEER
DRAWN BY	DATE	REVISIONS	WORK NO.
ASD	02/80		102
CHECKED BY	DATE	NO.	
JMS	02/80	00	1 of 3



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

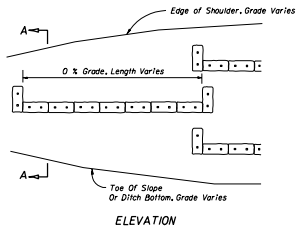


ELEVATION
BARRIER FOR PAVED DITCH



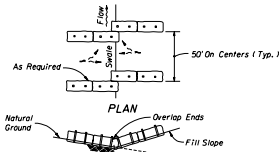
SECTION AA

Note:
Where the slope length exceeds 25 feet, construct one row of bale barriers at 0% longitudinal grade midway up the slope. Construct two rows of bale barriers where the slope length exceeds 50 feet.



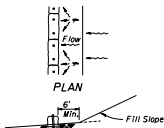
ELEVATION

ALONG FILL SLOPE



ELEVATION

TO BE USED WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

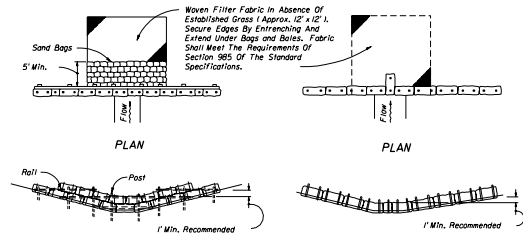


ELEVATION

TO BE USED WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

AT TOE OF SLOPE

BARRIERS FOR FILL SLOPES



PLAN

PLAN

ELEVATION

ELEVATION

TYPE II

TYPE I

BARRIERS FOR UNPAVED DITCHES

NOTES FOR BAILED HAY OR STRAW BARRIERS

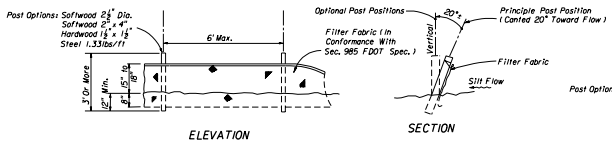
- Type I and II Barriers should be spaced in accordance with Chart 1, Sheet 1.
- Hay bales shall be trenched 3" to 4" and anchored with 2 - 1" x 2" (or 1" dia.) x 4" wood stakes. Stakes of other material or shape providing equivalent strength may be used if approved by the Engineer. Stakes other than wood shall be removed upon completion of the project.
- Rails and posts shall be 2" x 4" wood. Other materials providing equivalent strength may be used if approved by the engineer.
- Adjacent bales shall be butted firmly together. Unavoidable gaps shall be plugged with hay or straw to prevent silt from passing.
- Where used in conjunction with silt fence, hay bales shall be placed on the upstream side of the fence.
- Bales to be paid for under the contract unit price for Baled Hay or Straw, EA. The unit price shall include the cost of filter fabric for Type I and II Barriers. Sand bags shall be paid for under the unit price for Sandbagging, CY. Rock bags to be paid for under the contract unit price for Rock Bags, EA.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD DESIGN

ROCK BAG, BALED HAY,
BALED STRAW AND SILT
FENCE BARRIERS

DESIGNED BY	DATE	3/74	APPROVED BY	<i>J. A. [Signature]</i>
DRAWN BY	DATE	6/74	CHECKED BY	DATE
CHECKED BY	DATE	6/74	DATE	2 of 3

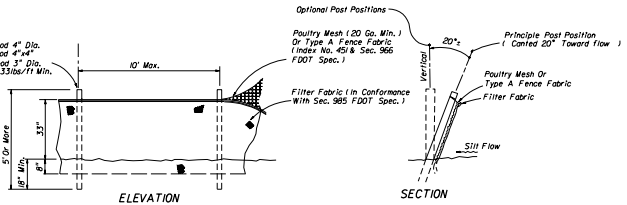
x1'



ELEVATION

SECTION

TYPE III SILT FENCE



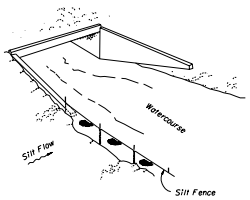
ELEVATION

SECTION

TYPE IV SILT FENCE



Silt Fence Protection
In Ditches with Intermittent Flow



Silt Fence Protection
Around Ditch Bottom Inlets.

SILT FENCE APPLICATIONS

NOTES FOR SILT FENCES

1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt Fence shall be in accordance with Chart 1, Sheet 1.
2. Type III Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be at upland locations and hurbality barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LP 1).

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD DESIGN			
ROCK BAG, BALED HAY, BALED STRAW AND SILT FENCE BARRIERS			
Drawn By	DATE	Checked By	DATE
MAA	08/95	MAA	08/95
Checked By	DATE	Approved By	DATE
MAA	08/95	J. A. McNamee	08/95
Sheet No.		Total No.	
3 of 3		102	