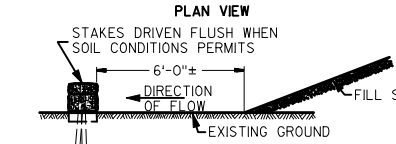
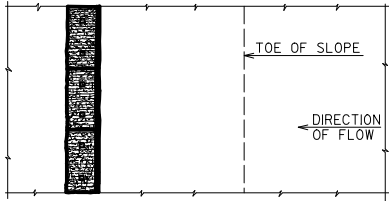
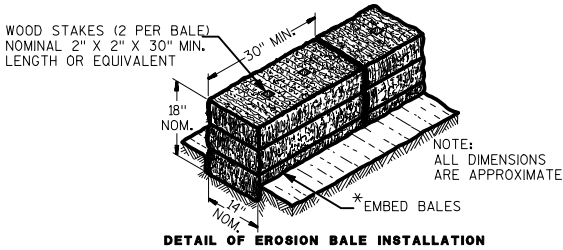


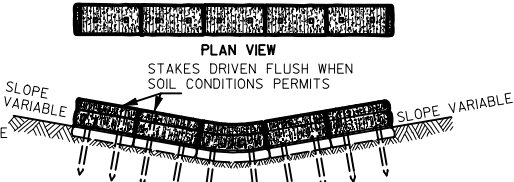
GENERAL NOTES:

PLACE BALES END TO END OR OVERLAPPING AT RIGHT ANGLES TO THE DIRECTION OF FLOW AND FAR ENOUGH UP THE SIDES OF THE DITCH TO PREVENT ERODING AROUND ENDS.

STAKES TO BE BATTERED IN OPPOSITE DIRECTIONS.



FRONT ELEVATION
WHEN EXISTING GROUND SLIPS AWAY FROM FILL SLOPE
EROSION BALES AT TOE OF SLOPE



FRONT ELEVATION
EROSION BALES ACROSS DITCH BOTTOM

EROSION BALES

NOT TO SCALE

GENERAL NOTES:

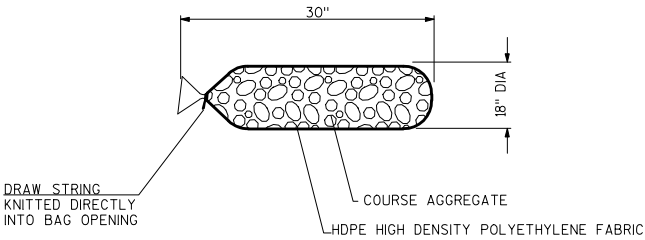
1. 18" X 30" ROCK FILLED FILTER BAG SHALL BE COMPRISED OF THE FOLLOWING:
 - a. HDPE HIGH DENSITY POLYETHYLENE
 - b. HDPE HIGH DENSITY POLYETHYLENE DRAW STRING KNITTED DIRECTLY INTO BAG OPENING.
 - c. 80% FABRIC CLOSURE WITH APPARENT OPENING SIZE NO LARGER THAN 1/2" X 1/2"
 - d. ROLLED SEAM USING A MINIMUM OF 480 DENIER POLYESTER SEWING YARN FOR STRENGTH AND DURABILITY.

AGGREGATE TO BE WELL GRADED COURSE AGGREGATE CONFORMING TO THE FOLLOWING GRADATION REQUIREMENTS:

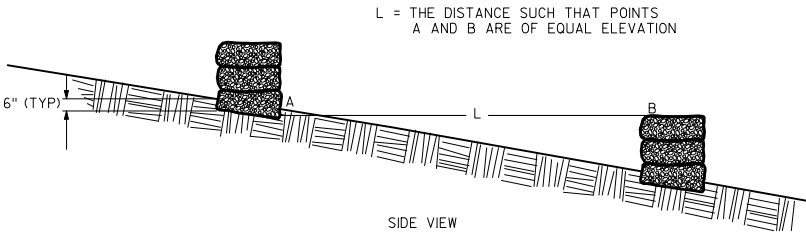
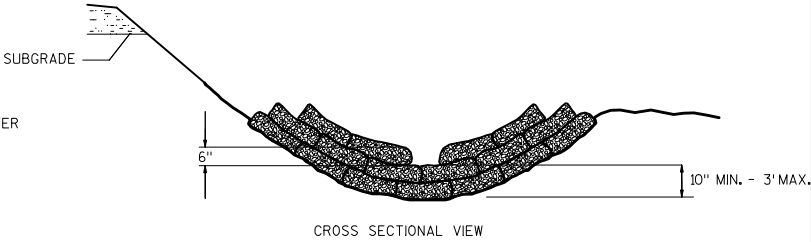
SIEVE SIZE	SIZE NO. AASHTO No. 67 ^(b)
2 INCH (50 mm)	-
1 1/2 INCH (37.5mm)	-
1 INCH (25.0 mm)	100
3/4 INCH (19.0mm)	90-100
3/8 INCH (9.5mm)	20-55
No. 4 (4.75mm)	0-10
No. 8 (2.36mm)	0-5

^(b) SIZE NO. ACCORDING TO AASHTO M 43

COURSE AGGREGATE INFORMATION



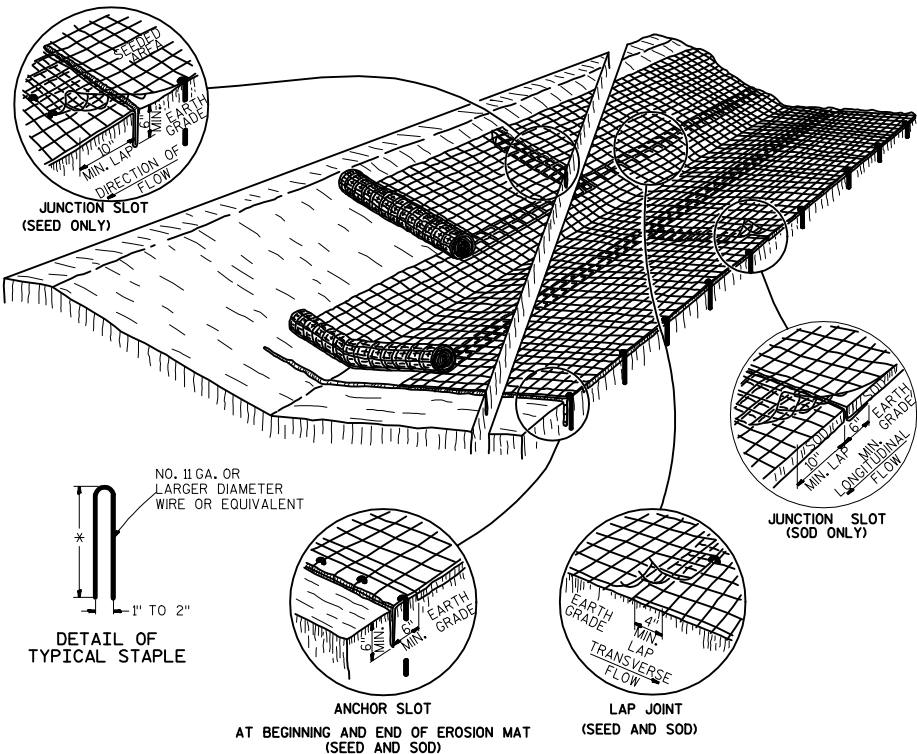
FILTER BAG DETAIL
(PRIOR TO INSTALLATION)



DITCH CHECK DETAIL

ROCK FILLED FILTER BAG

NOT TO SCALE



* 6" MIN. FOR FIRM SOILS
12" MIN. FOR LOOSE SOILS
8" MIN. WHERE BOTH SOD AND MATS ARE USED

EROSION MAT

NOT TO SCALE

GENERAL NOTES

1. VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.
2. DO NOT PLACE LAP JOINTS AT THE BOTTOM OF V-SHAPED DITCHES.
3. JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING STAGGER A MINIMUM OF 4 FEET (1.219 m) APART.
4. EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.
5. ROCK FILLED GABIONS MAY BE USED IN LIEU OF EROSION BALES IN AREAS HAVING HIGH WATER VELOCITY.

EROSION MAT OVER SOD

- a. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
- b. WOOD STAKES FOR SOD MAY BE OMITTED IF THE EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.
- c. THE WIDTH OF THE EROSION MAT SHALL EQUAL THE SOD WIDTH.
- d. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET ON GRADES EXCEEDING 3 PERCENT.

Foth & Van Dyke				 Kennecott Eagle Minerals		
REVISED	DATE	BY	DESCRIPTION			
				FIGURE 4-16 EROSION CONTROL DETAILS		
CHECKED BY: JOS1		DATE: FEB. '06				
APPROVED BY: SVD1		DATE: FEB. '06		Scale: NOT TO SCALE	Date: FEBRUARY, 2006	
APPROVED BY:		DATE:		Prepared By: Foth & Van Dyke	By: GJB	04W018