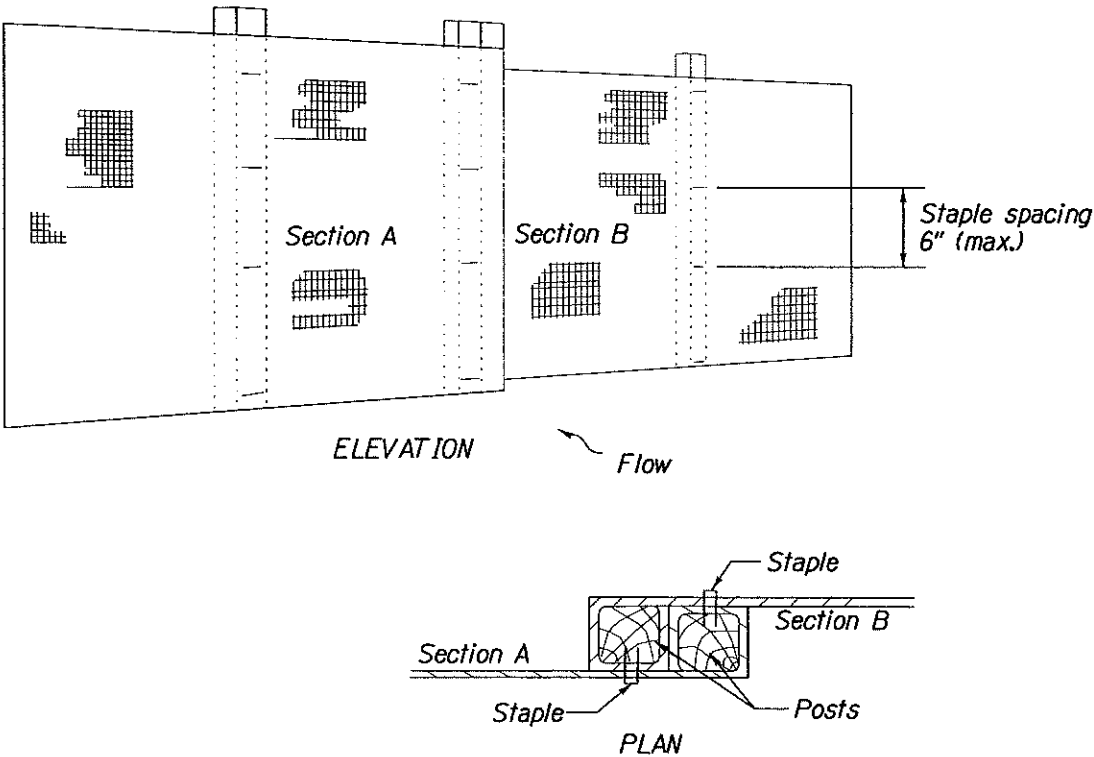
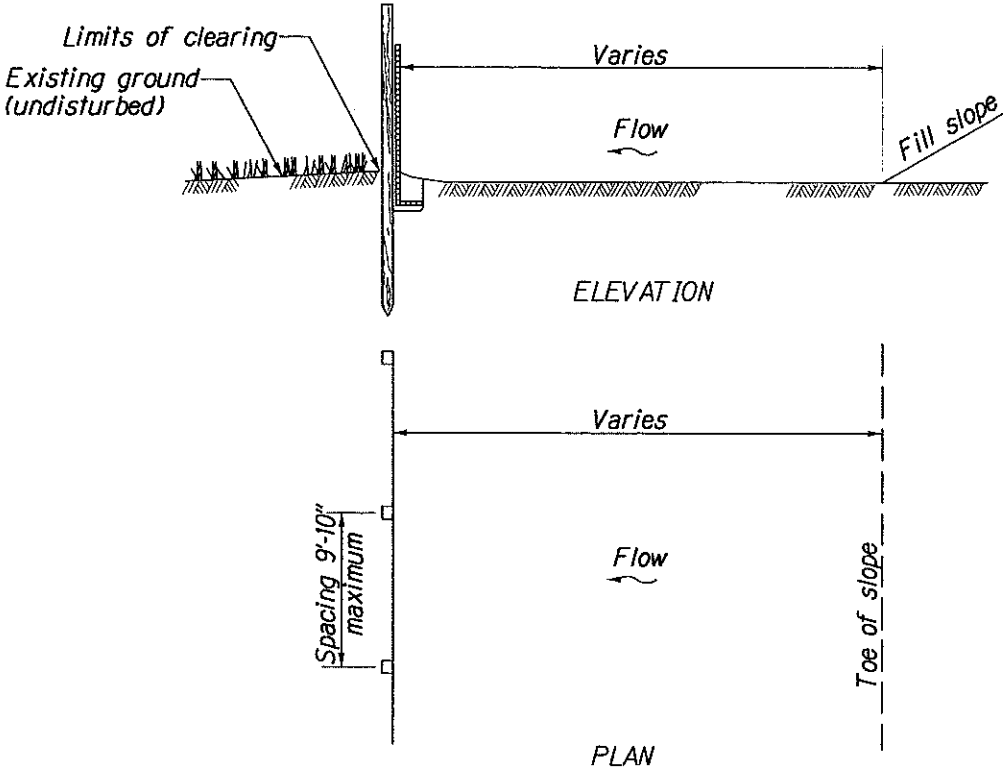


REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
9	HI	HI-A-AD-6(2) Saddle Road	F1	F12



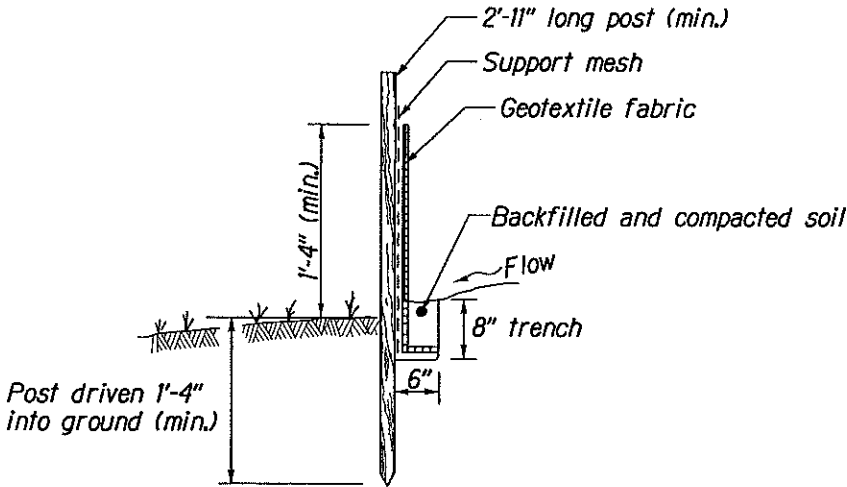
JOINING TWO ADJACENT SILT FENCE SECTIONS



SILT FENCE INSTALLATION AT TOE OF FILL

NOTE:

1. Use culvert outlet installation for low flow conditions. See Erosion Control Plan for culvert locations.
2. Alternate pre-assembled silt fence options will be allowed as long as specified dimensions are satisfied. Follow manufacturer's information for installation procedures. Inform CO for approval.



POST AND FABRIC INSTALLATION DETAIL

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
SPECIAL DETAIL C157-1 SILT FENCE DETAILS	
Scale: N.T.S.	Date: October 15, 2004
SHEET No. 1 OF 1	

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
9	HI	HI-A-AD-6(2) Saddle Road	F2	F12

REVISED
03/02/2005

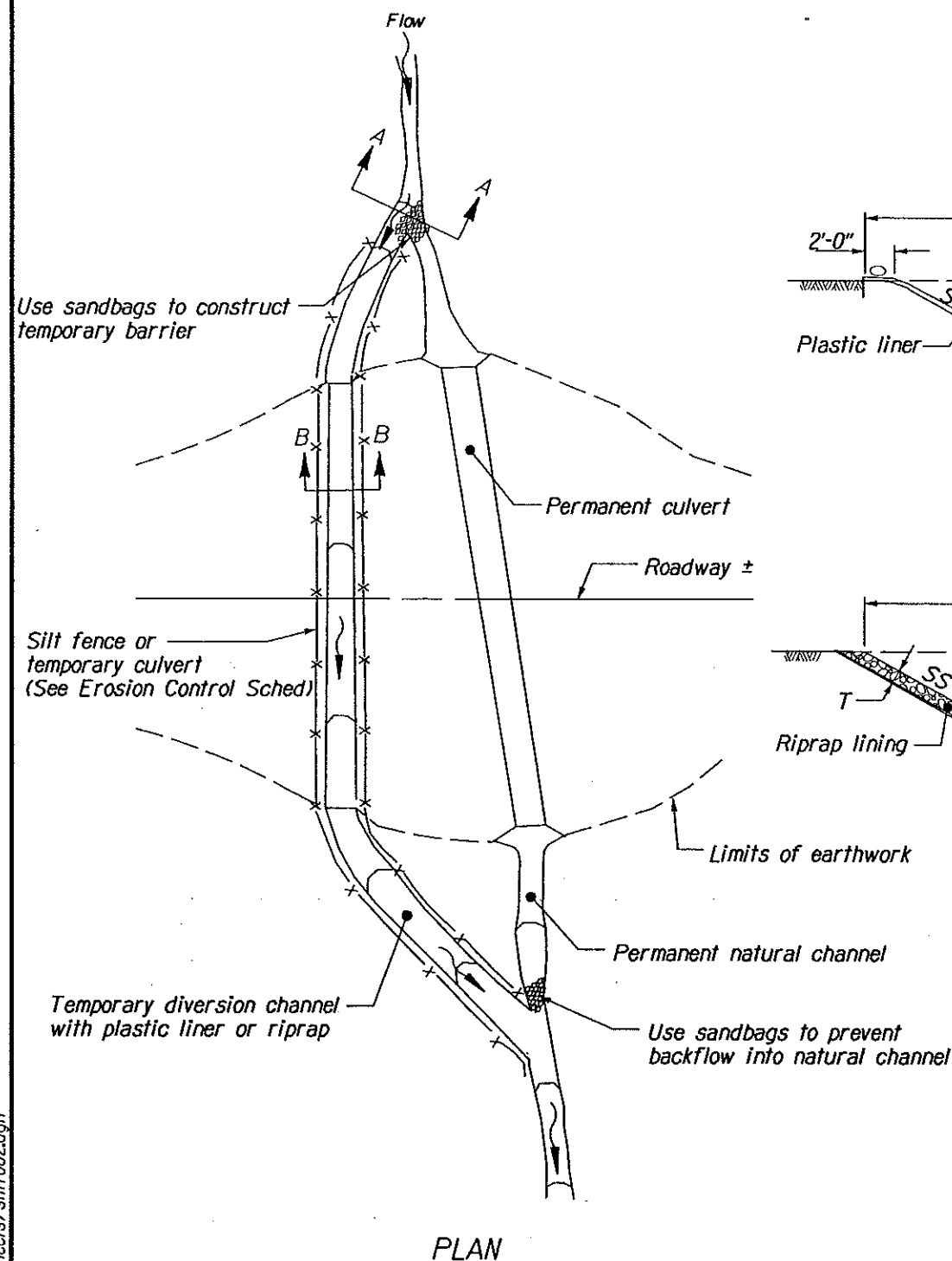
NOTE:

1. Use plastic liner or riprap along the entire length and width of the temporary diversion channel.
2. Construct channel at a minimum grade of 0.5 percent.
3. Do not construct with longitudinal joints if using a plastic liner. Bury the upstream edge of the liner a minimum of 6 inches deep and secure with riprap or sandbags.
4. Compact temporary culvert backfill using one of the methods listed in specification 204.11(a).
5. Plastic liner shall conform to section 725.19 of the specifications.
6. For sizing temporary diversion channels for the box culvert sites, the following design year flows are provided:

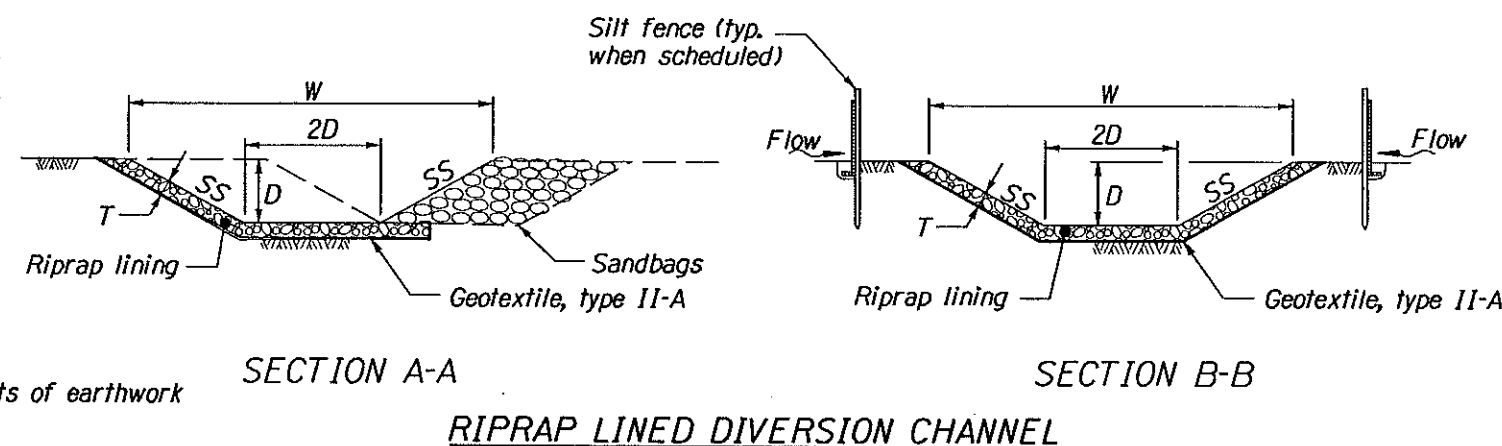
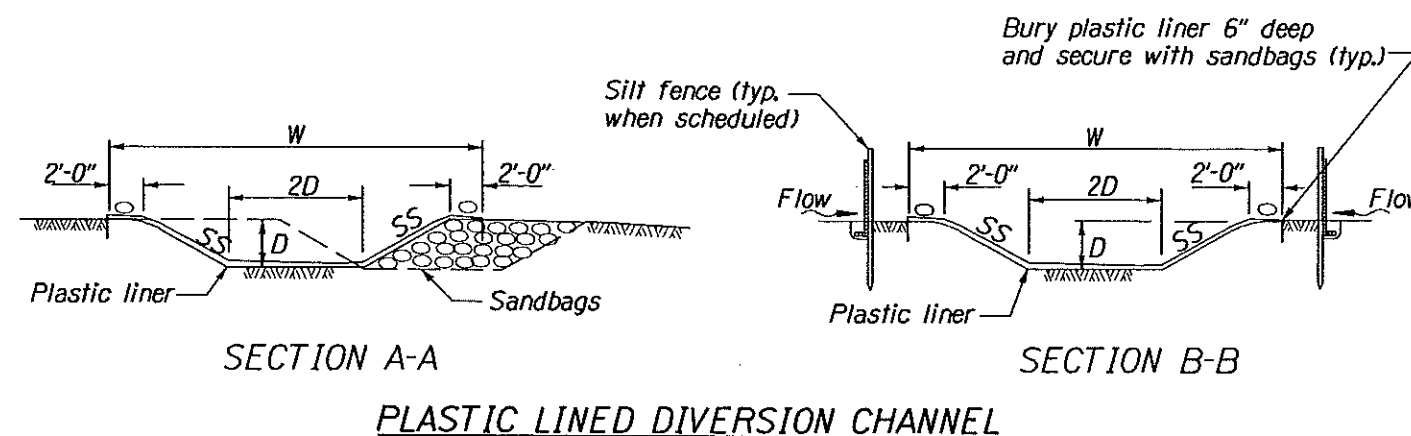
Culvert #12, Sta 151+56:
the 10 year/24hr Q is 18 cfs,
the 5 year/24hr Q is 9 cfs. and
the 1 year/24hr Q is 2 cfs.

Culvert #17, Sta 201+51:
the 10 year/24hr Q is 126 cfs,
the 5 year/24hr Q is 61 cfs. and
the 1 year/24hr Q is 16 cfs.

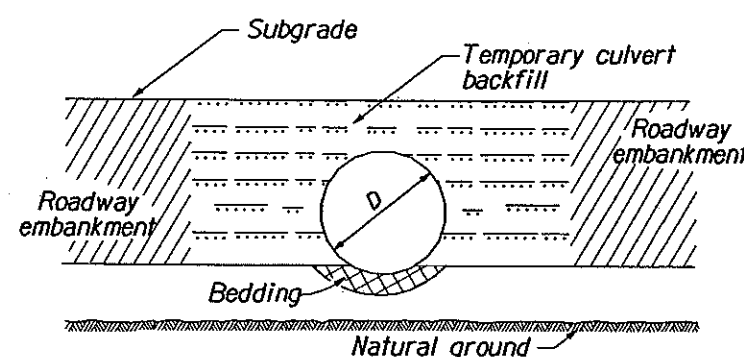
Culvert #19, Sta 223+00:
the 10 year/24hr Q is 54 cfs,
the 5 year/24hr Q is 25 cfs. and
the 1 year/24hr Q is 7 cfs.



DIVERSION CHANNEL



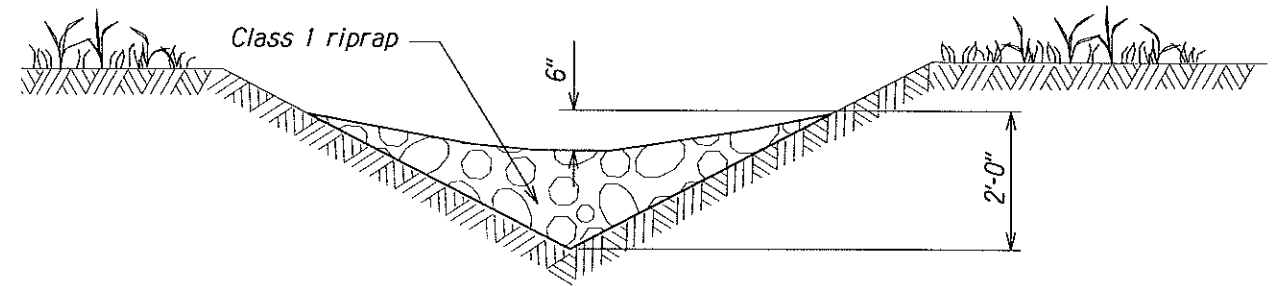
SS = 2:1 maximum slope
D = size of temporary pipe
W = width of temporary channel, varies
T = thickness of riprap (12")



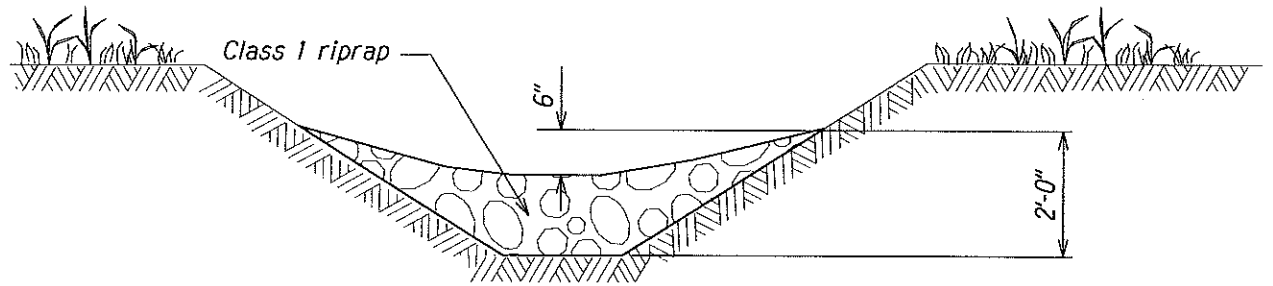
TEMPORARY CULVERT

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
SPECIAL DETAIL C157-5 TEMPORARY DIVERSION CHANNEL DETAILS	
Scale: N.T.S.	Date: October 15, 2004
SHEET No. 1 OF 1	

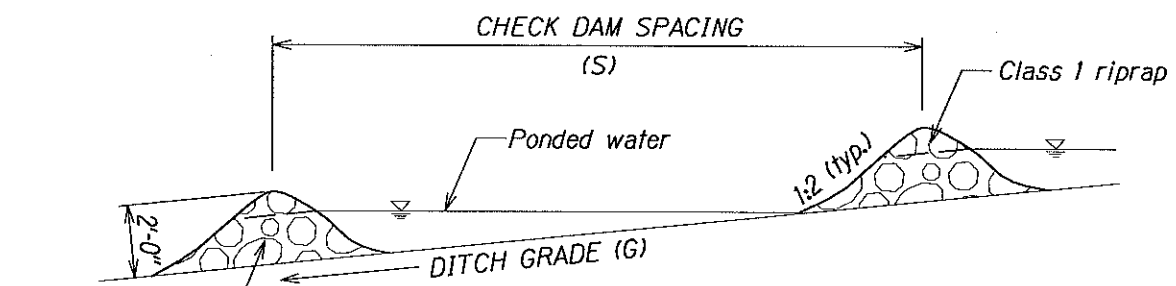
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
9	HI	HI-A-AD-6(2) Saddle Road	F3	F12



CROSS SECTION
V DITCH



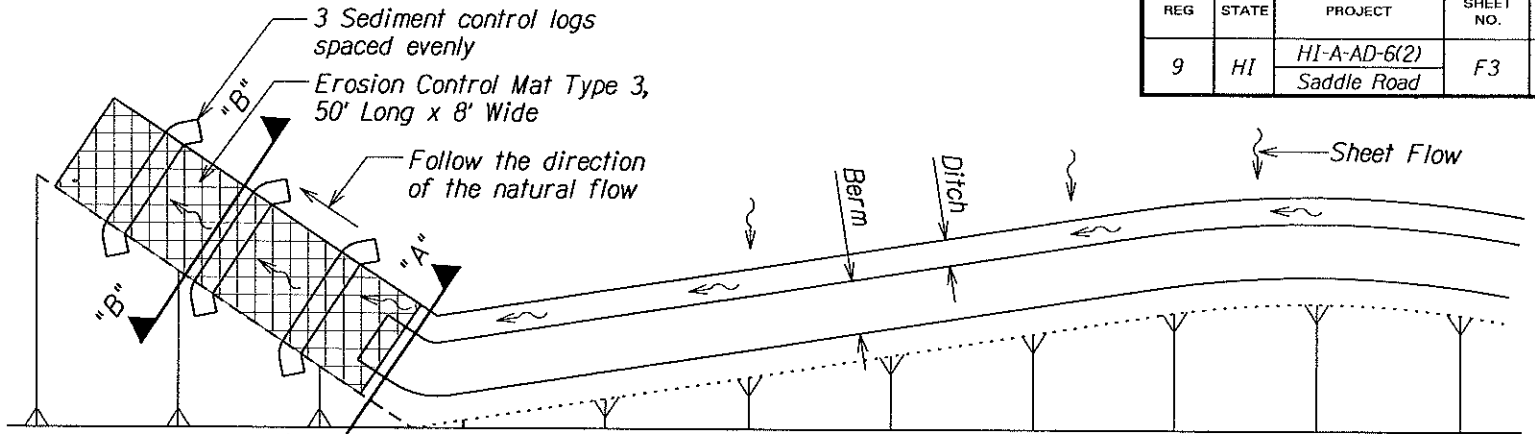
CROSS SECTION
TRAPEZOIDAL DITCH



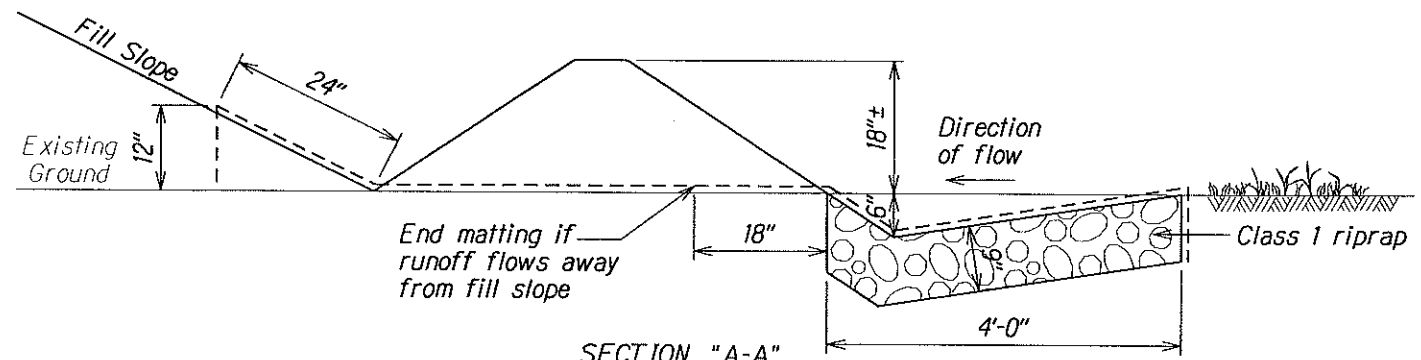
PROFILE VIEW
DITCH

DITCH GRADE (G) *	CHECK DAM SPACING(S)
2%	75'-6"
3%	49'-3"
4%	39'-4"
5%	29'-6"
6%	24'-7"

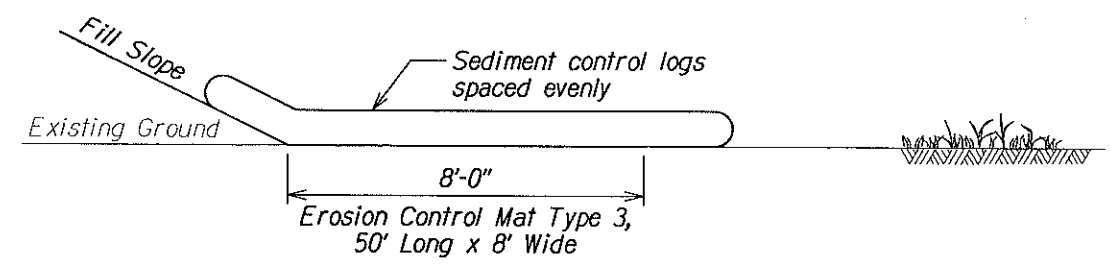
* Do not use Check Dams below 2% or above 6% ditch grades. Use erosion control mat, type 3 to line ditch bottom and 144:1 slope.



PLAN VIEW

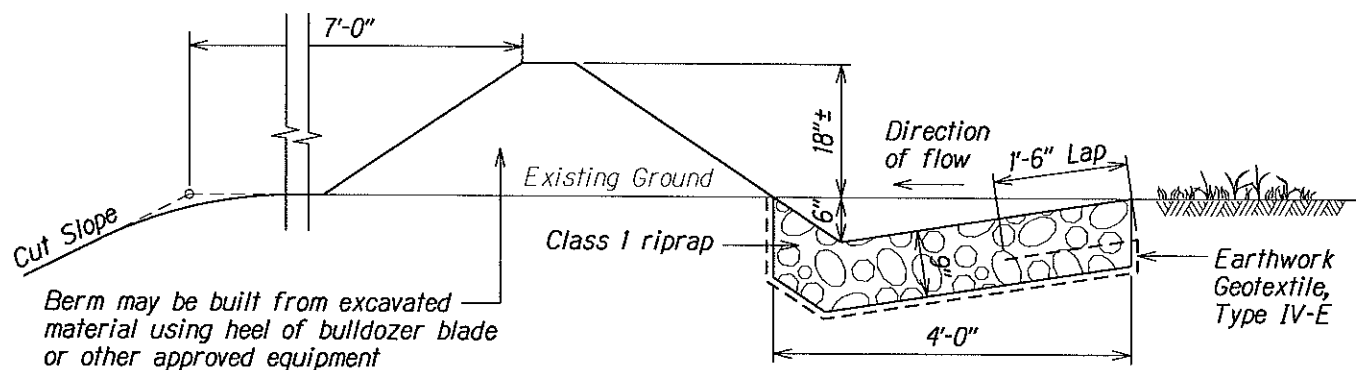


SECTION "A-A"



SECTION "B-B"

EARTH BERM TRANSITION DETAIL



EARTH BERM DETAIL

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SPECIAL DETAIL C157-6
RIPRAP CHECK DAM
& EARTH BERM DETAILS

Scale: N.T.S.
Date: October 15, 2004

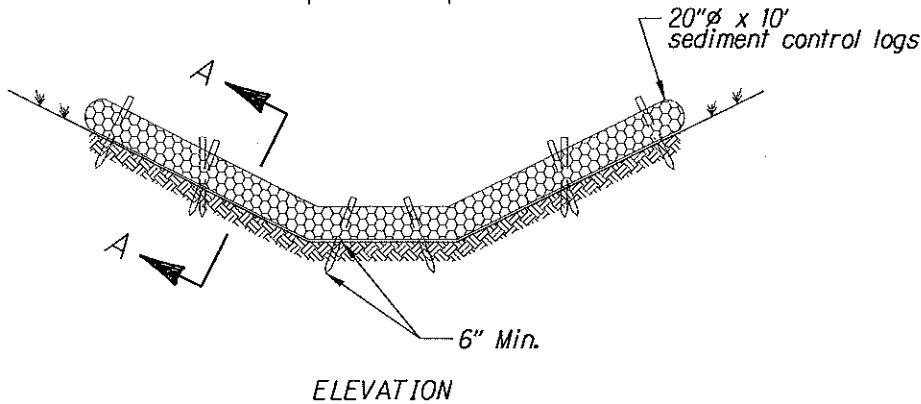
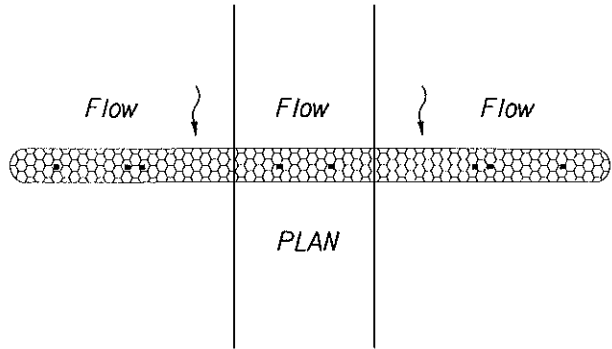
SHEET No. 1 OF 1

M:\Mproj\Lenne\203027\100% sheets\stf003.dgn

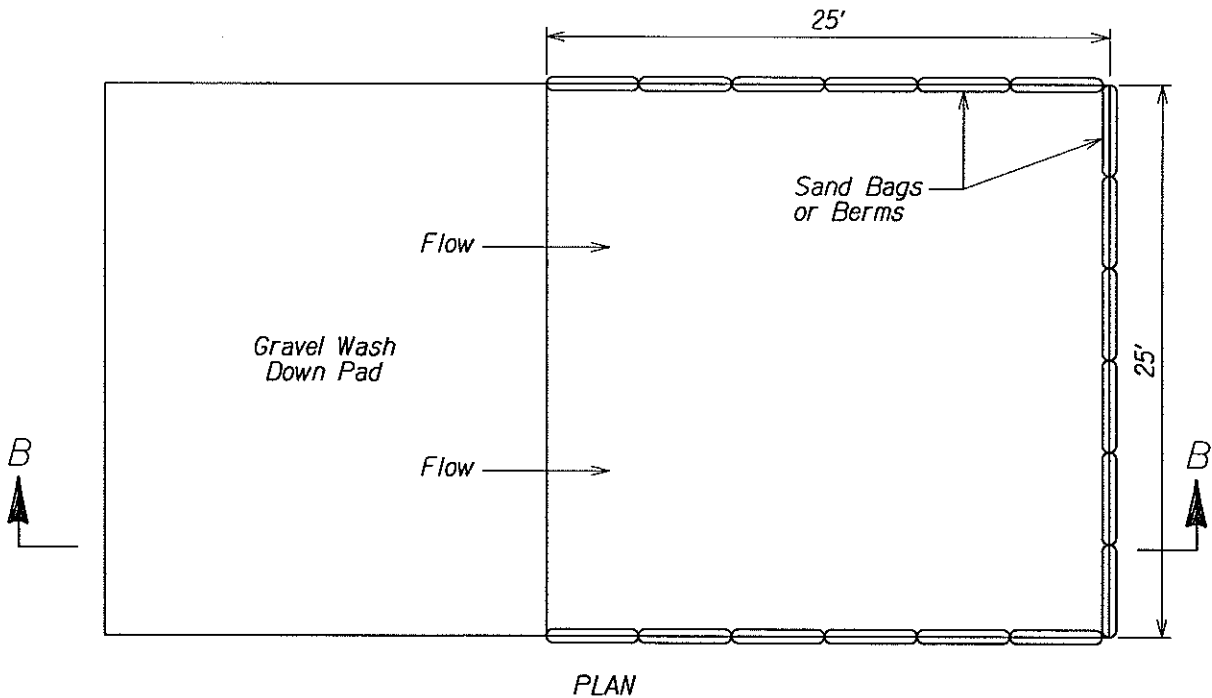
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
9	HI	HI-A-AD-6(2) Saddle Road	F4	F12

SEDIMENT CONTROL LOG
SPACING IN DITCHES

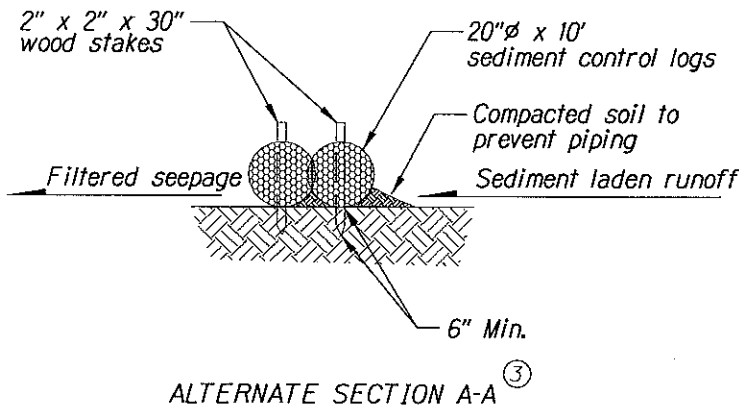
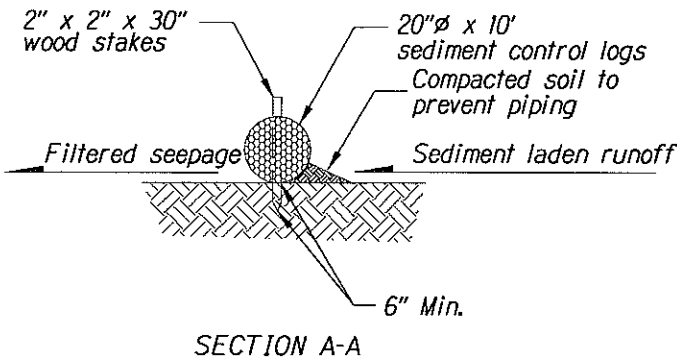
Ditch grade	Spacing (feet)
0 - 5%	100
> 5%	50 ③



INSTALLATION OF SEDIMENT CONTROL LOG IN DITCH

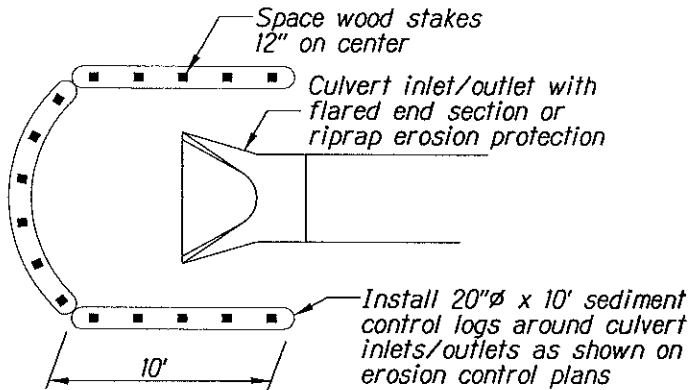


WASH DOWN DETAIL

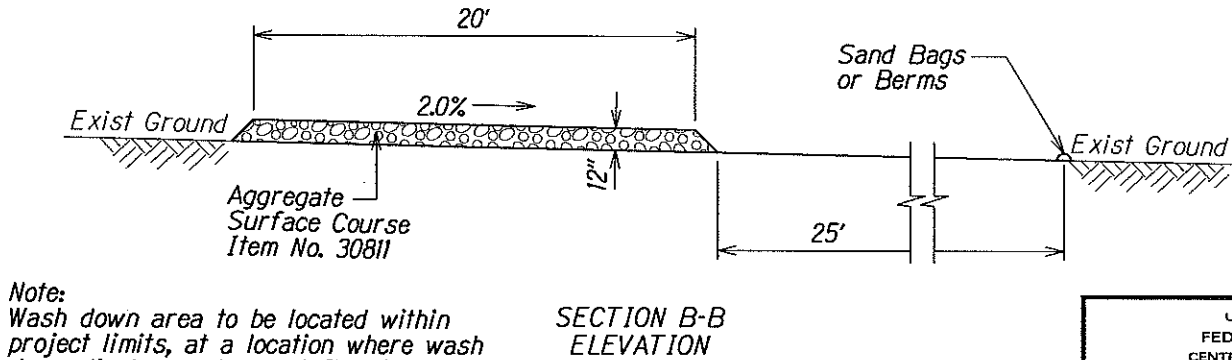


NOTE:

1. Stake sediment logs in place with 2"x2"x30" wood stakes space no less than 24" apart unless otherwise noted. Drive stakes into ground a minimum of 6".
2. Install sediment control logs directly on ground making sure bottom of log is in full contact with ground. Tamp soil backfill against upstream side of log to assure storm water is forced flow through log rather than under it.
- ③ Sediment control logs can be spaced every 100' in ditches with slopes > 5% when two logs are placed directly next to each other as shown Alternate Section A-A.



CULVERT INLET/OUTLET SEDIMENT BARRIER



Note:
Wash down area to be located within project limits, at a location where wash down discharge does not flow into discharge points shown on sheet B4. Obtain location approval from CO.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SPECIAL DETAIL C157-35

SEDIMENT CONTROL LOGS

WASH DOWN DETAILS

Scale: N.T.S.

Date: October 15, 2004

SHEET No. 1 OF 1