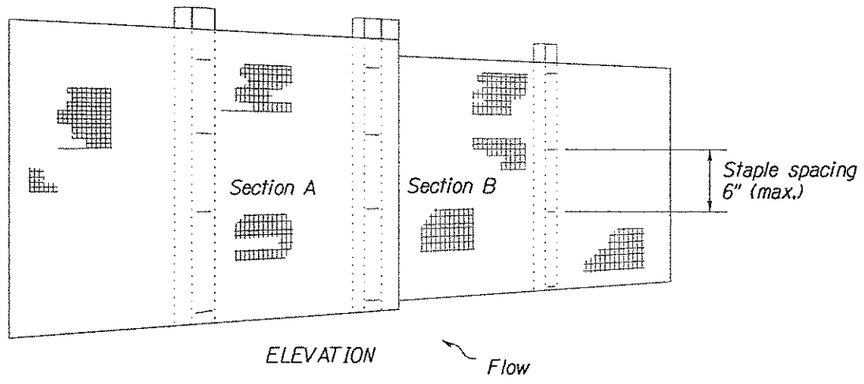
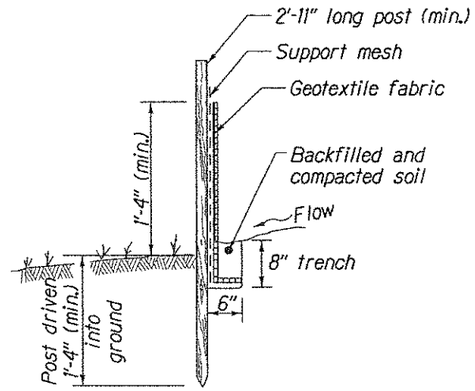
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	F9	F12

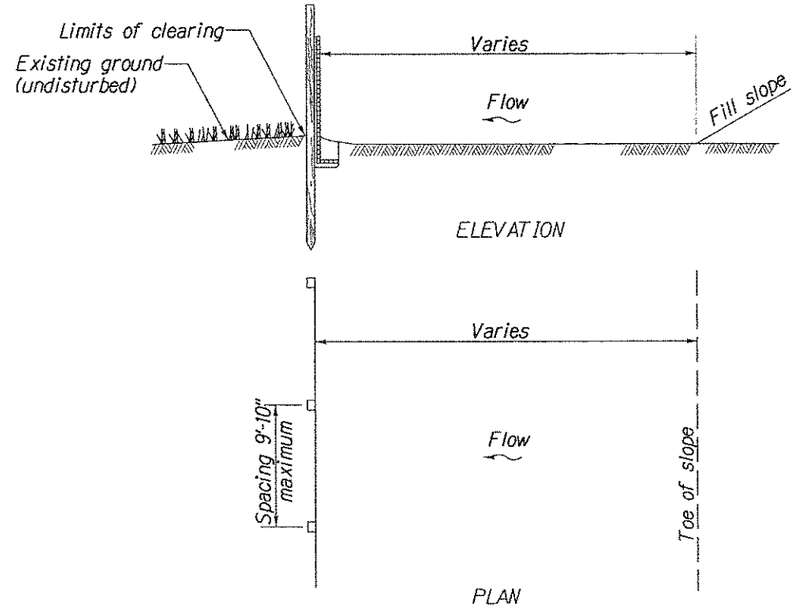


JOINING TWO ADJACENT SILT FENCE SECTIONS

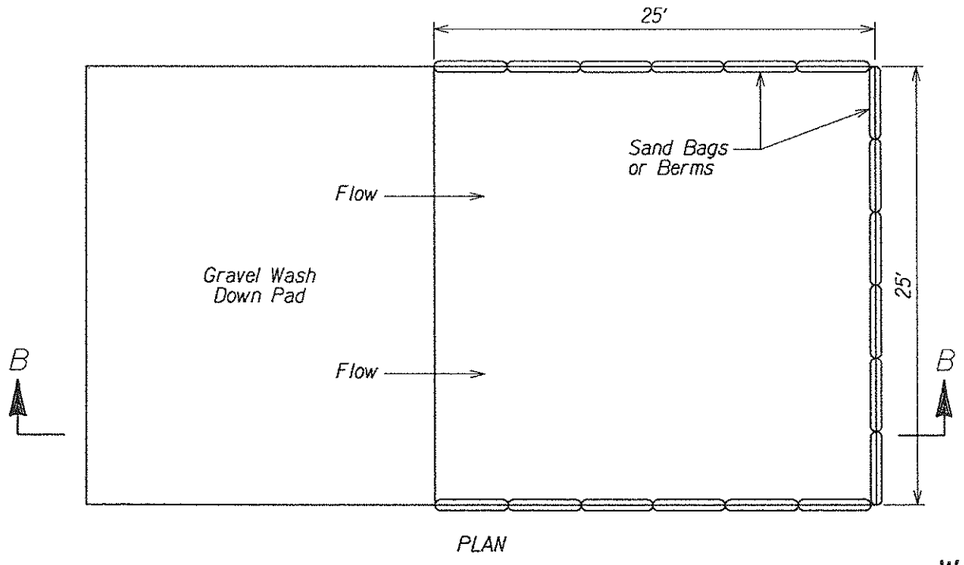


POST AND FABRIC INSTALLATION DETAIL

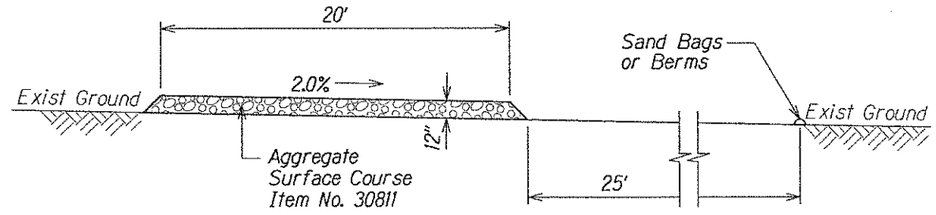
NOTE:
Alternate pre-assembled silt fence options will be allowed as long as specified dimensions are satisfied. Follow manufacturer's information for installation procedures. Inform CO for approval.



SILT FENCE INSTALLATION AT TOE OF FILL



WASH DOWN DETAIL



SECTION B-B
ELEVATION

Note:
Obtain location approval from CO.

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FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SPECIAL C157-1

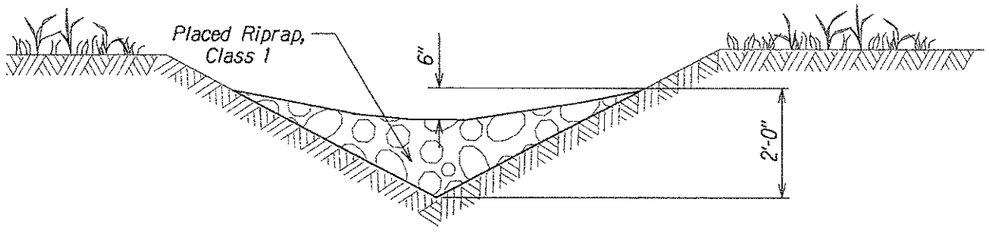
SILT FENCE & WASH DOWN DETAILS

Scale: N.T.S. Date: June 29, 2007

SHEET No. 1 OF 1

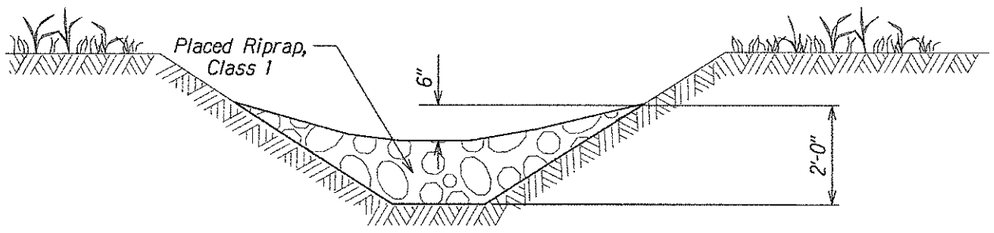
M:\Mproj\Lennie\204028\100%\sheets\shtf009.dgn

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	F10	F12



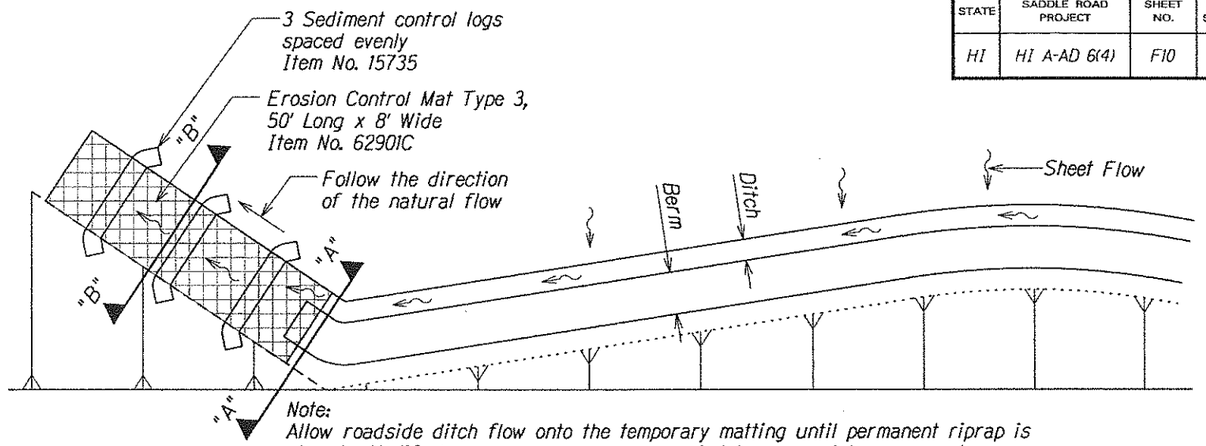
CROSS SECTION

V DITCH



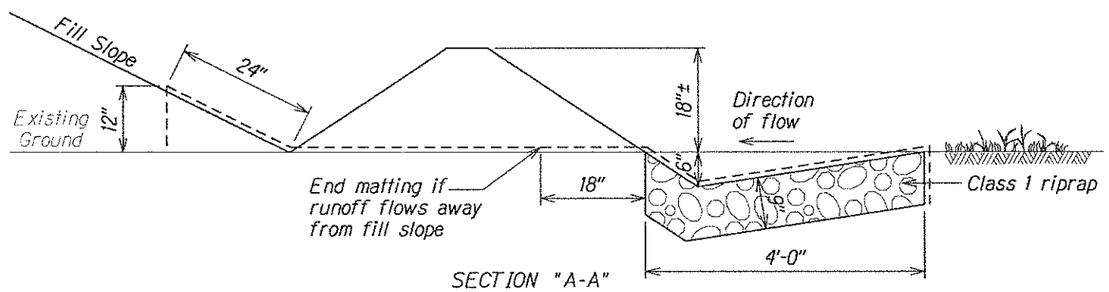
CROSS SECTION

TRAPEZOIDAL DITCH

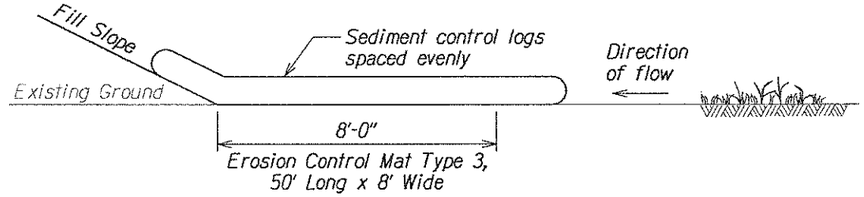


Note:
Allow roadside ditch flow onto the temporary matting until permanent riprap is placed. Modify temporary measures as needed to accomodate permanent construction but maintain erosion/sedimentation control effectiveness.

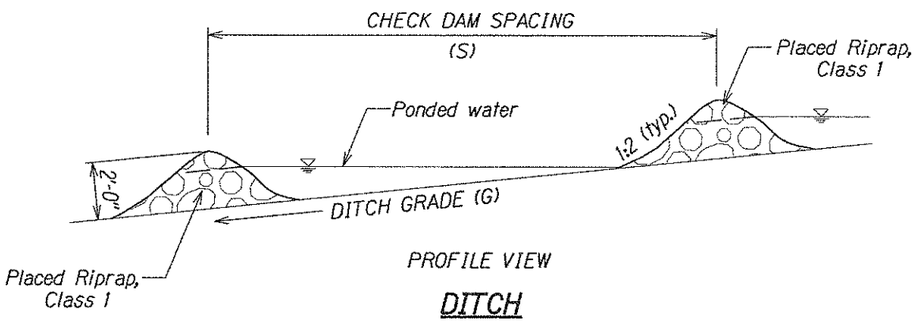
PLAN VIEW



SECTION "A-A"



SECTION "B-B"



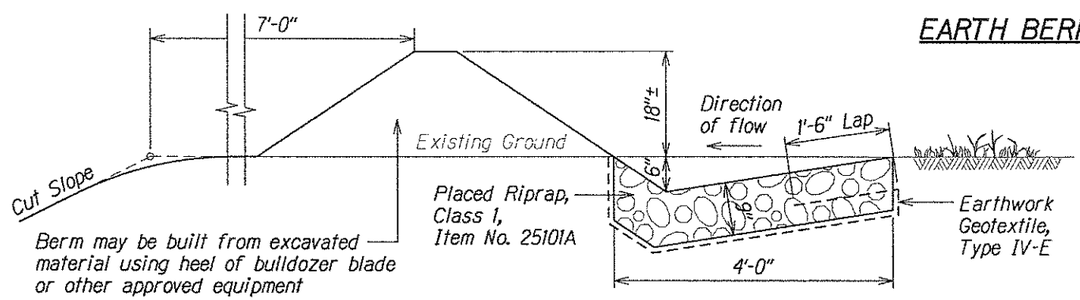
PROFILE VIEW

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 72:1 slope.

EARTH BERM TRANSITION DETAIL



EARTH BERM DETAIL

Paid for Under Item No. 15706

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CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SPECIAL DETAIL C157-6

RIPRAP CHECK DAM & EARTH BERM DETAILS

Scale: N.T.S. Date: June 29, 2007

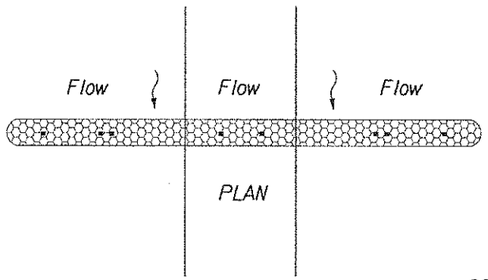
SHEET No. 1 OF 1

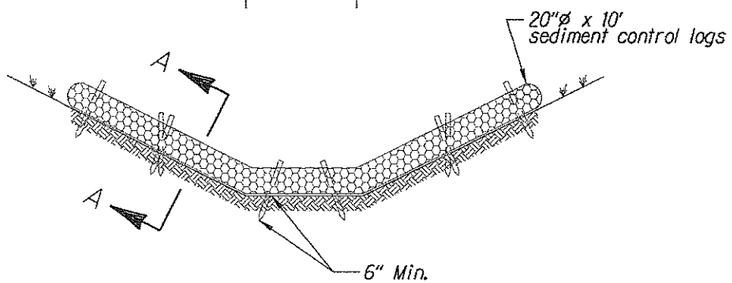
M:/Mproj/Lennie/204028/100%/sheets/shtf010.dgn

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	F11	F12

SEDIMENT CONTROL LOG SPACING IN DITCHES

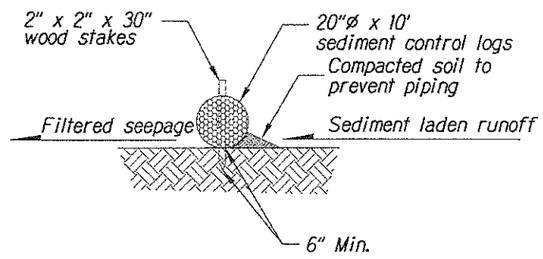
Ditch grade	Spacing (feet)
0 - 5%	100
> 5%	50 ③



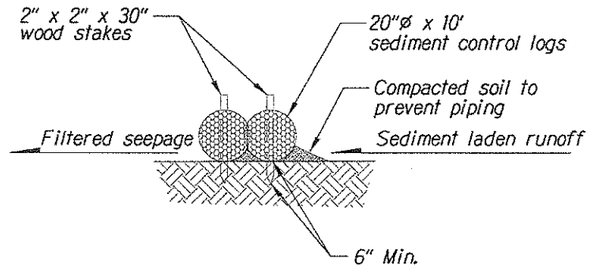


ELEVATION

INSTALLATION OF SEDIMENT CONTROL LOG IN DITCH AS CHECK DAM



SECTION A-A



ALTERNATE SECTION A-A ③

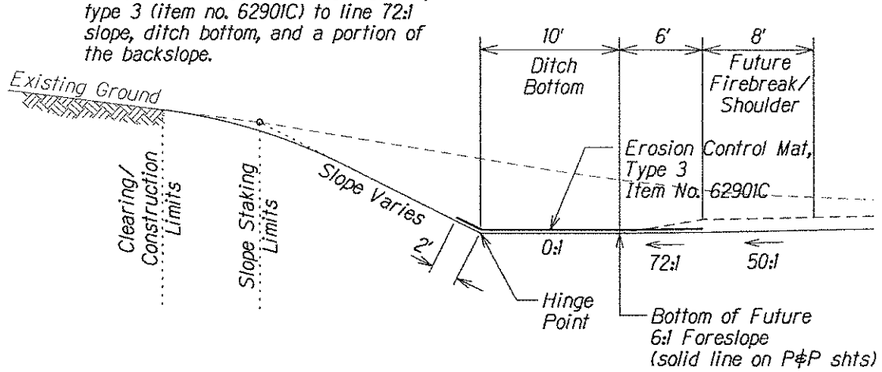
NOTE:

1. Stake sediment logs in place with 2"x2"x30" wood stakes spaced 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 to 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:
Longitudinal ditch grades below 2% or above 6% use erosion control mat, type 3 (item no. 62901C) to line 72:1 slope, ditch bottom, and a portion of the backslope.



EROSION CONTROL MAT PLACEMENT IN DITCH BOTTOM

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CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SPECIAL C157-35

SEDIMENT CONTROL LOG & EROSION CONTROL MAT DETAILS

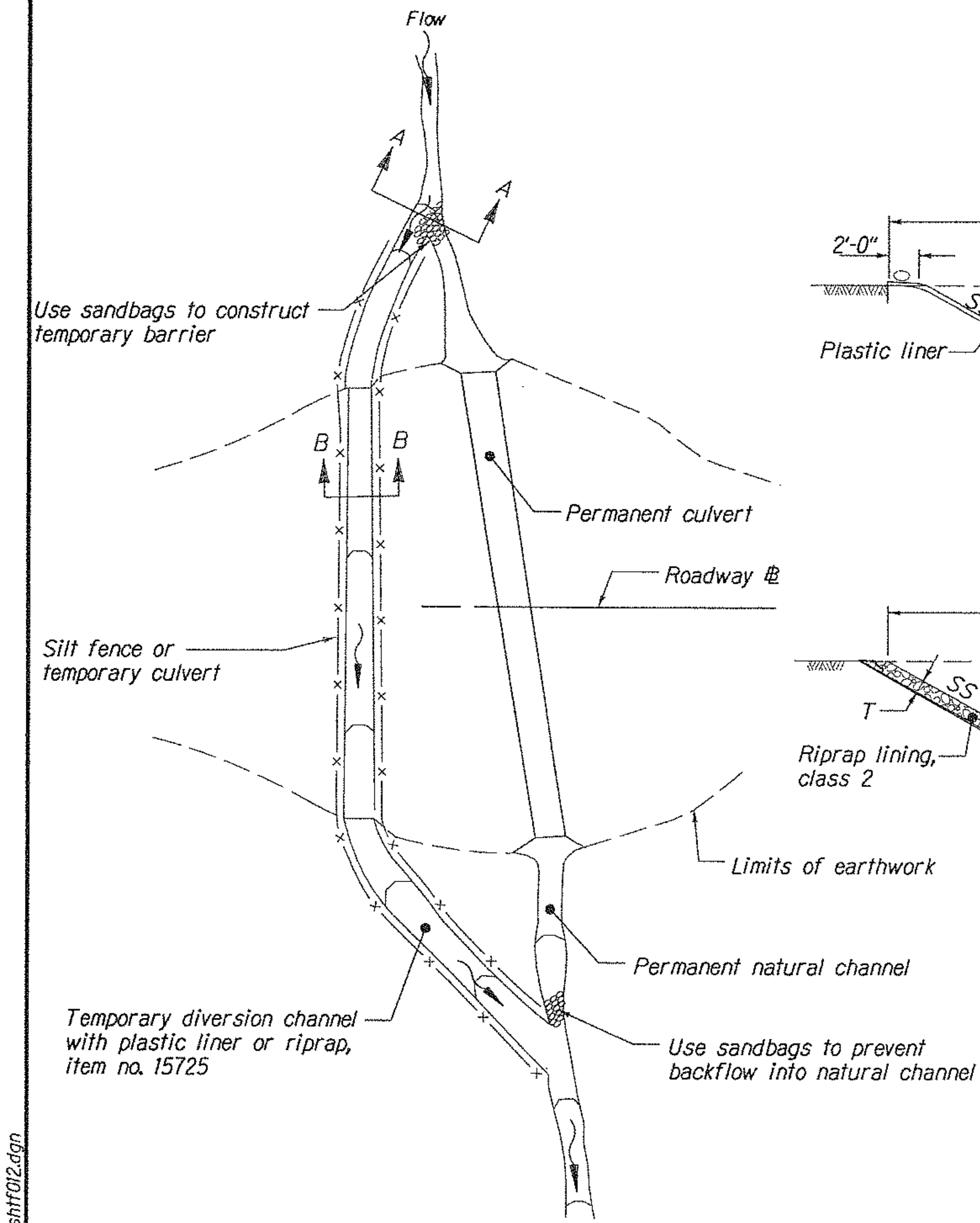
Scale: N.T.S. Date: June 29, 2007

SHEET No. 1 OF 1

F11

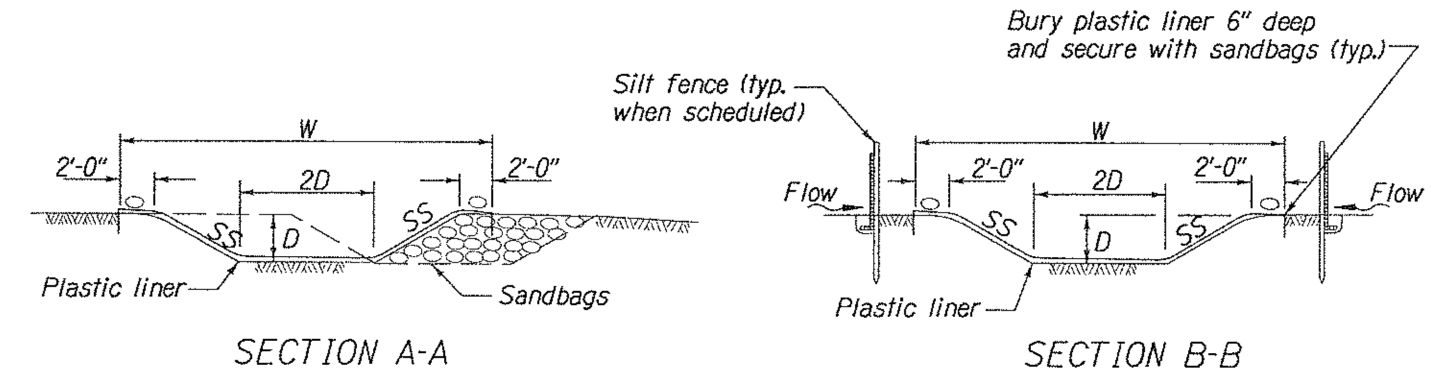
M:/Mproj/Lennie/204028/100%/sheets/shtf011.dgn

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	F12	F12

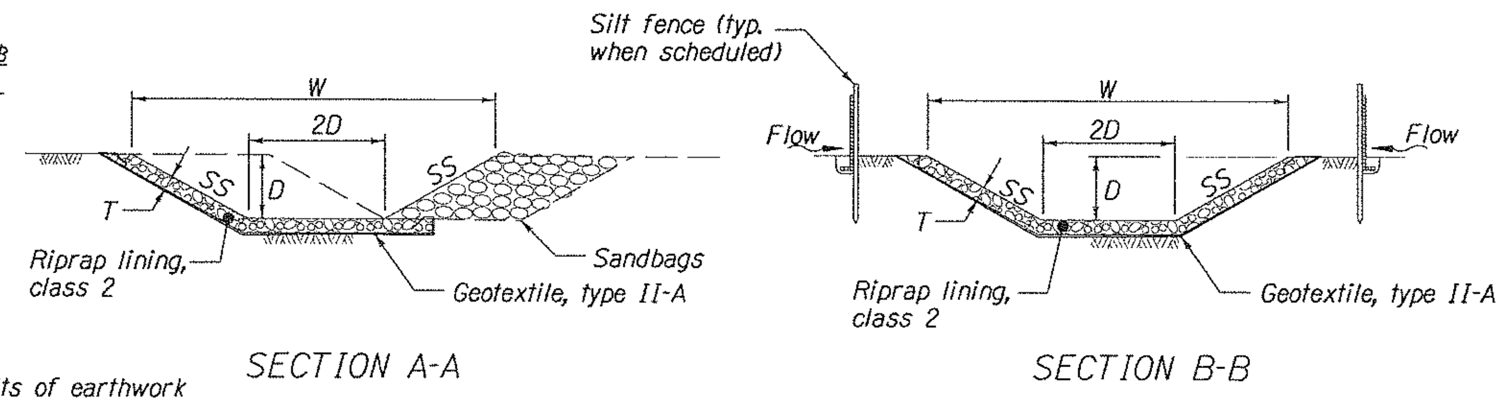


PLAN

DIVERSION CHANNEL
(Item No. 15725)

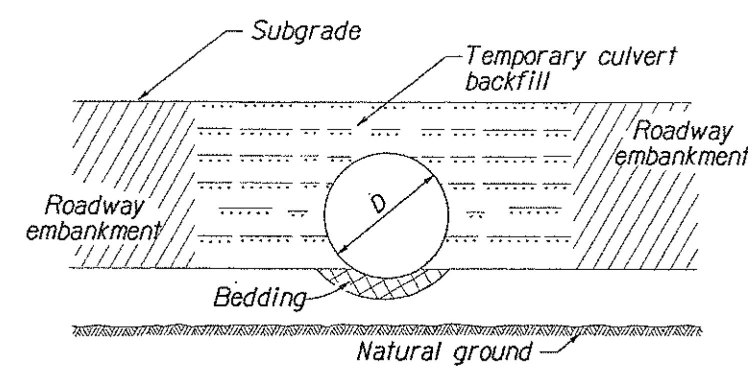


PLASTIC LINED DIVERSION CHANNEL



RIPRAP LINED DIVERSION CHANNEL

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



SECTION B-B

TEMPORARY CULVERT

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.

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SPECIAL DETAIL C157-5

TEMPORARY DIVERSION CHANNEL DETAILS

Scale: N.T.S. Date: June 29, 2007

SHEET No. 1 OF 1

F12

M:/Mproj/Lennie/204028/100%/sheets/shtf012.dgn