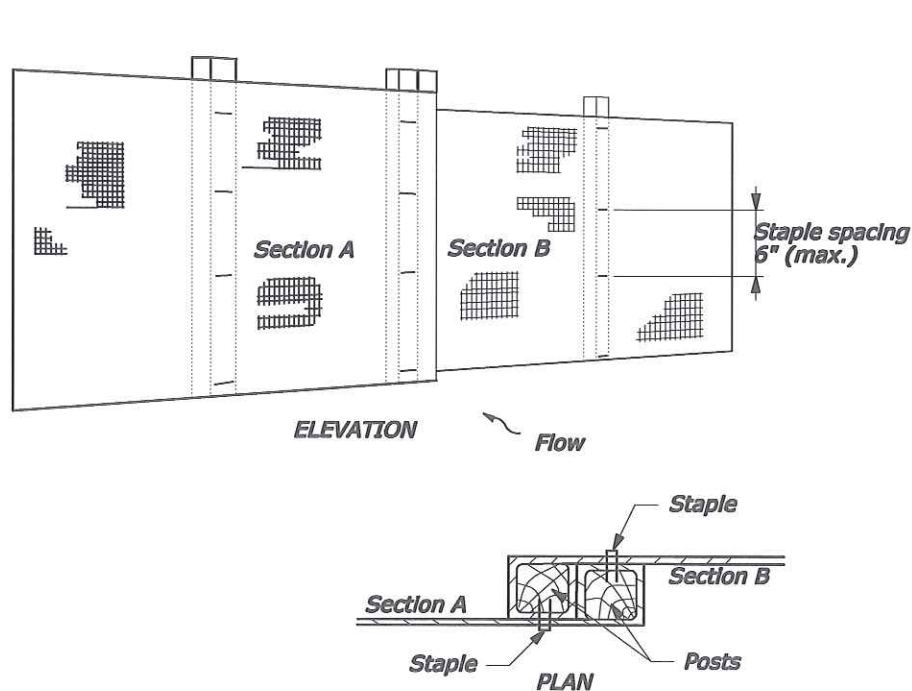
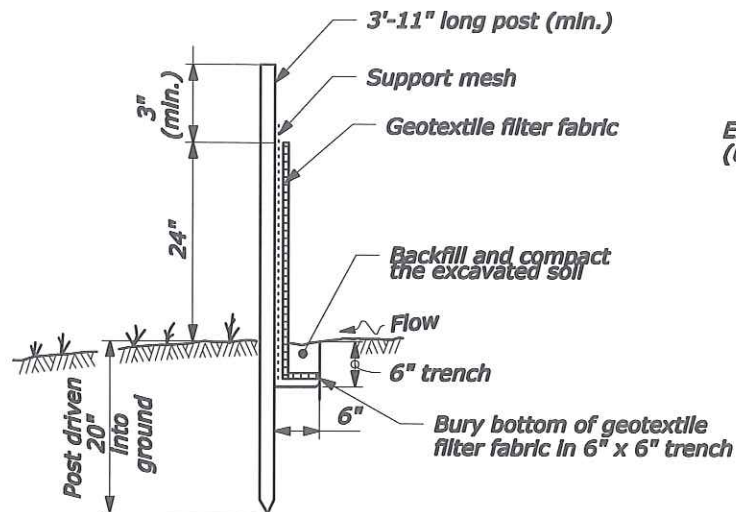


STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(6)	E22	E25

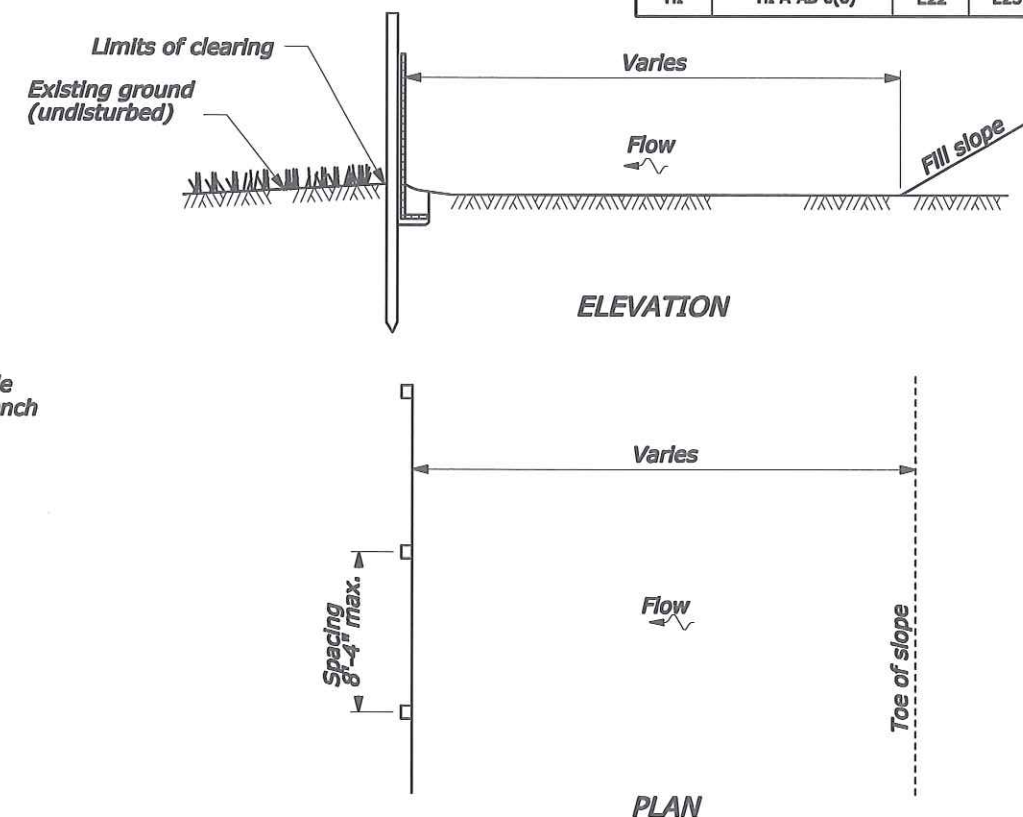


**JOINING TWO ADJACENT SILT FENCE SECTIONS**



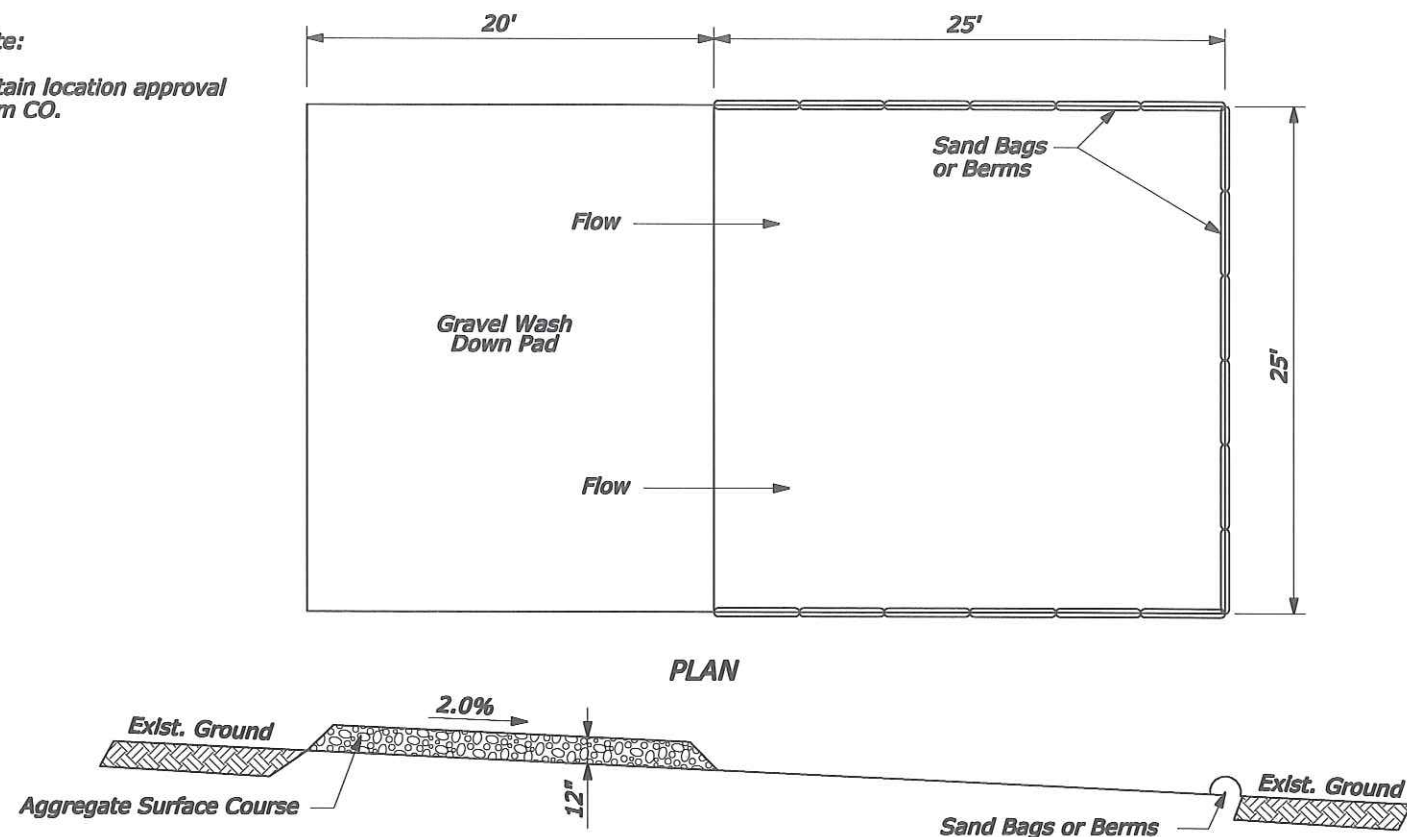
**POST AND FABRIC INSTALLATION DETAIL**

- NOTE:**
1. The filter fabric ~~shall be~~ <sup>is</sup> a minimum of 36 inches wide.
  2. If silt fence is obtained from manufacturer as a package (i.e. fabric attached to post) the manufacturer's installation instruction shall be adhered to.
  3. Fence stakes ~~may be~~ <sup>are</sup> wood or metal, must be capable of supporting anticipated loads.

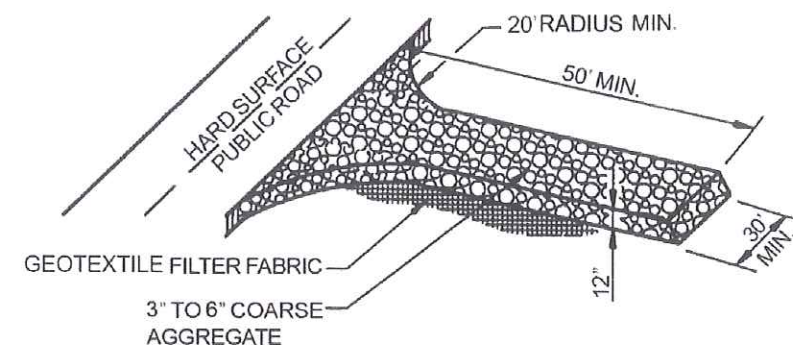


**SILT FENCE INSTALLATION AT TOE OF FILL**

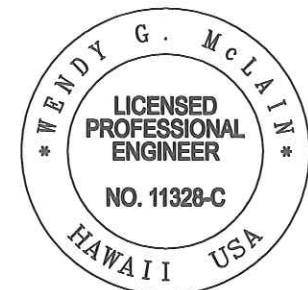
**Note:**  
Obtain location approval from CO.



**WASH DOWN DETAIL**



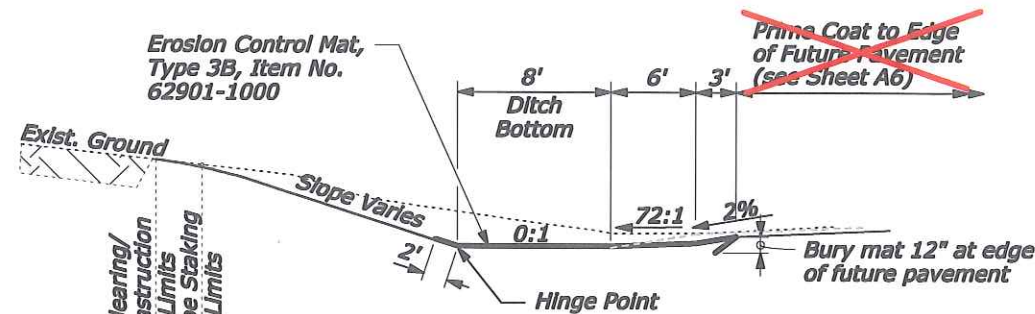
**STABILIZED CONSTRUCTION ENTRANCE**  
NTS



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NO SCALE  
SIGNATURE  
4/30/2012  
EXPIRATION DATE OF THE LICENSE

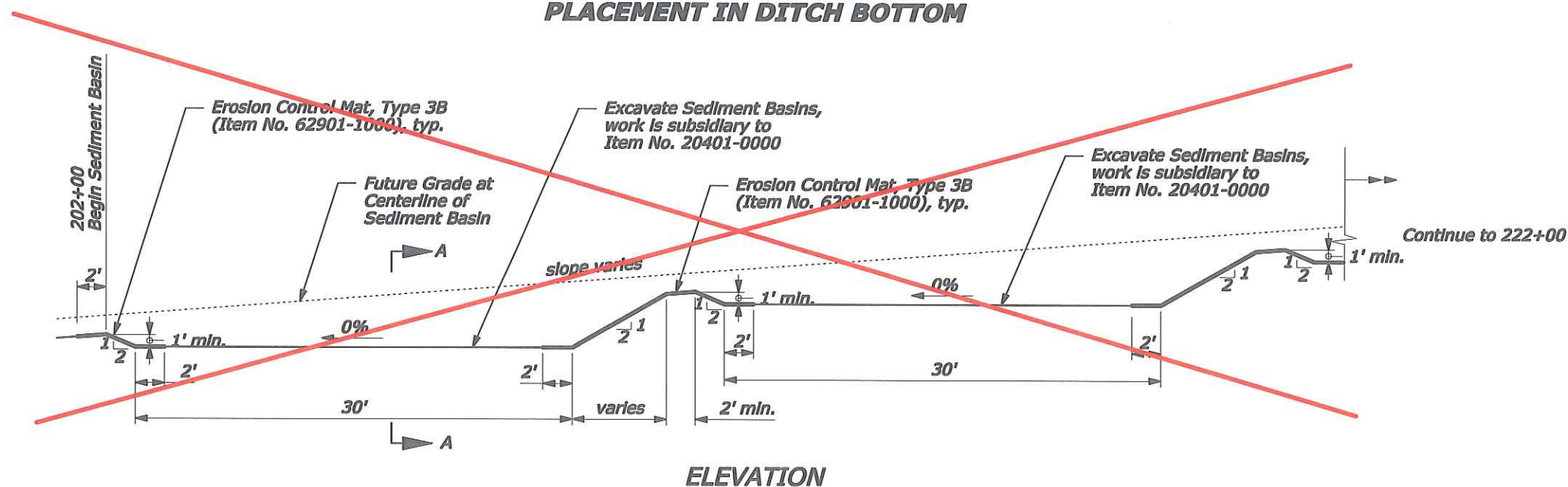
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY SPECIAL <b>SILT FENCE, WASH DOWN, AND CONSTRUCTION ENTRANCE</b>	
	SPECIAL 157-A

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(6)	E23	E25

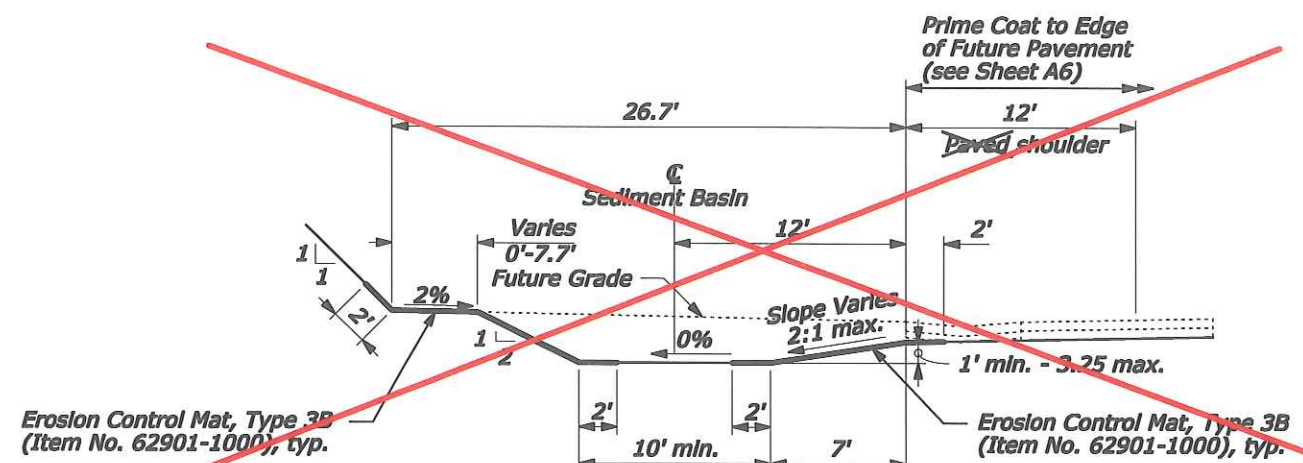


- NOTES:**
1. Use Erosion Control Mat, Type 3B (Item No. 62901-1000) to line foreslope from Edge of Future Road, Ditch Bottom, and a portion of the Backslope
  2. Place Mat in all ditches.

### EROSION CONTROL MAT PLACEMENT IN DITCH BOTTOM



ELEVATION



SECTION A-A

### SEDIMENT BASIN DETAIL OPTION X



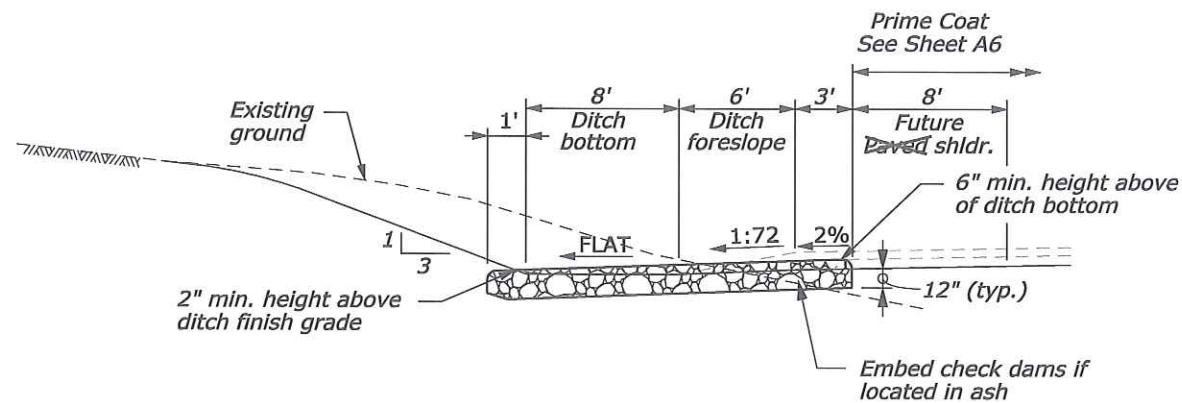
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 SIGNATURE: *Wendy G. McLain* EXPIRATION DATE OF THE LICENSE: 4/30/2012

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY SPECIAL	
<b>EROSION CONTROL MAT AND SEDIMENT BASIN DETAIL</b>	
	SPECIAL 157-B

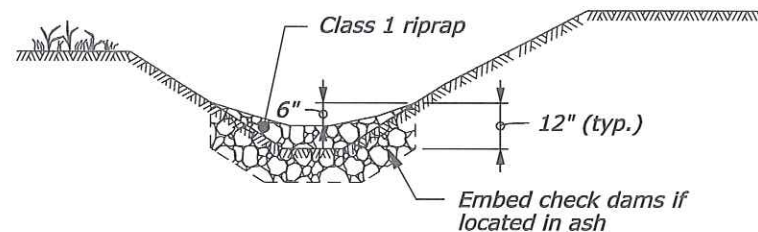
NO SCALE



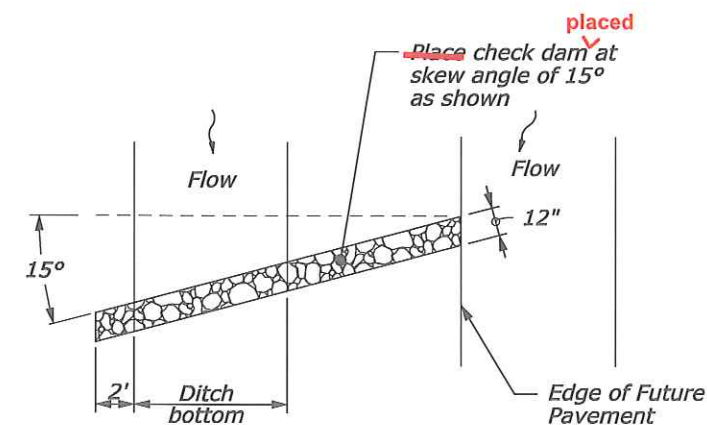
- NOTE:**
1. ~~Repair~~ <sup>placed</sup> all rills or gullies prior to installation.
  2. ~~Place~~ <sup>placed</sup> Check Dams in Swales perpendicular to the flowline as shown on plans.
  3. ~~Place~~ <sup>placed</sup> Check Dams in Ditches with longitudinal slopes 3% or greater.



DITCH - CROSS SECTION

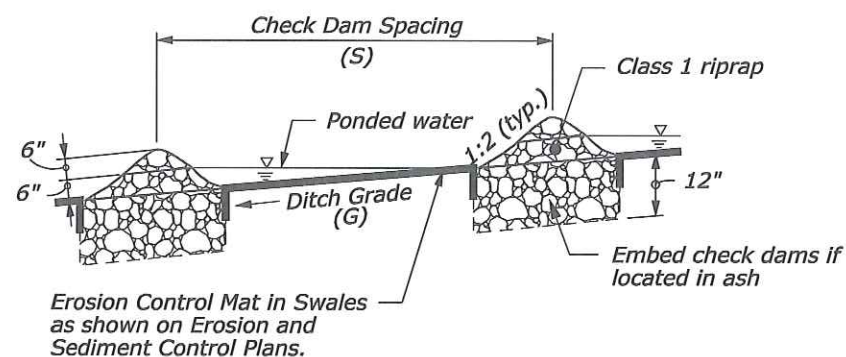


SWALE - CROSS SECTION



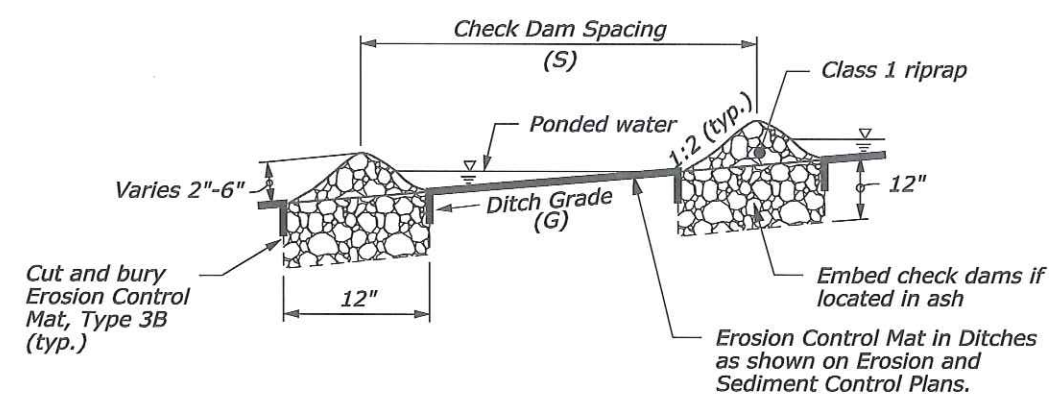
DITCH - PLAN

RIPRAP CHECK DAM SPACING	
DITCH GRADE (G)	CHECK DAM SPACING (S) max. (ft)
3%-4%	40
4%-5%	30
>5%	25



SWALE - PROFILE VIEW

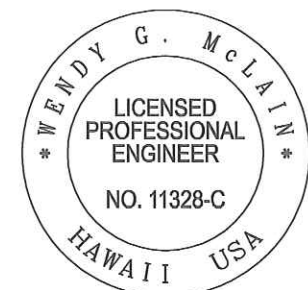
SWALE



DITCH - PROFILE VIEW

DITCH

RIPRAP CHECK DAM



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 FEDERAL HIGHWAY ADMINISTRATION  
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

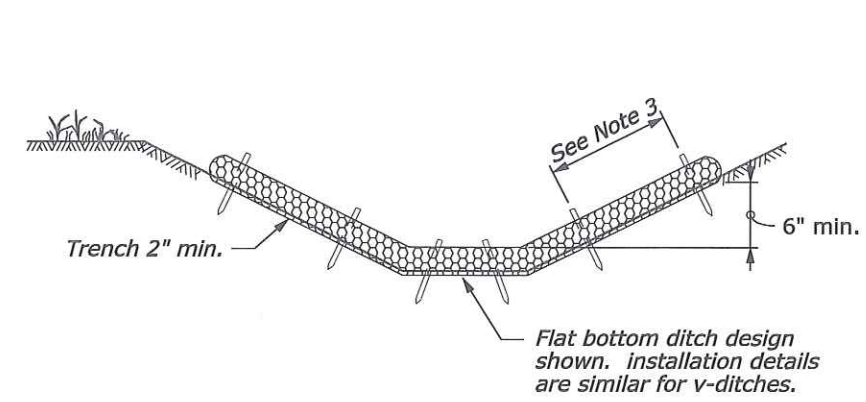
U.S. CUSTOMARY SPECIAL

RIPRAP CHECK DAM

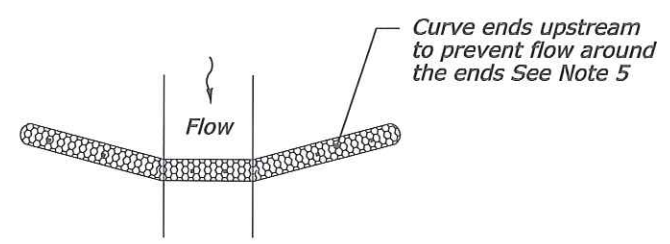
DETAIL APPROVED FOR USE 01/2011	DETAIL 157-C
REVISED:	

NO SCALE

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(6)	E25	E25

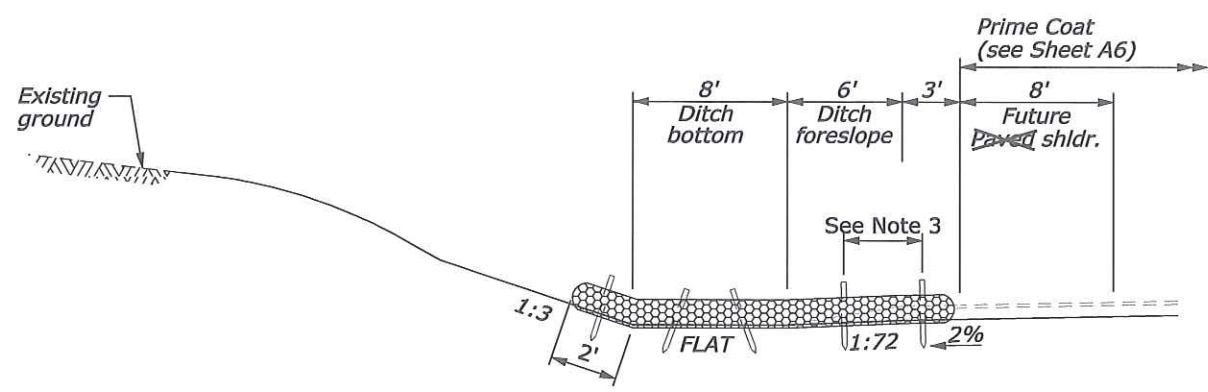


SWALE - CROSS SECTION

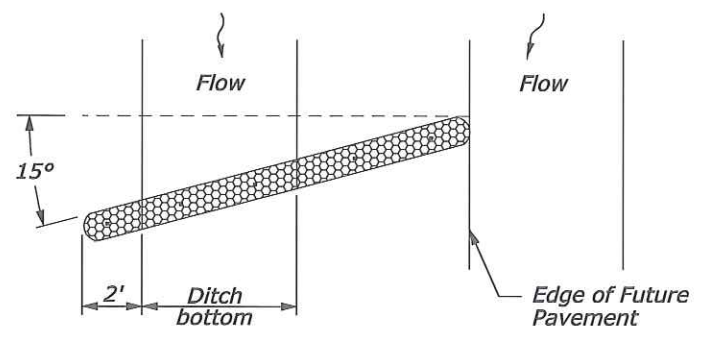


SWALE - PLAN

SWALE



DITCH - CROSS SECTION

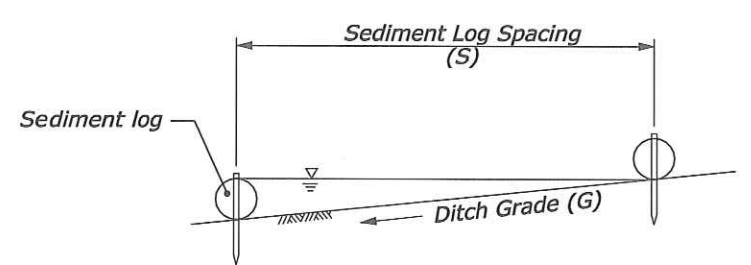


DITCH - PLAN

DITCH

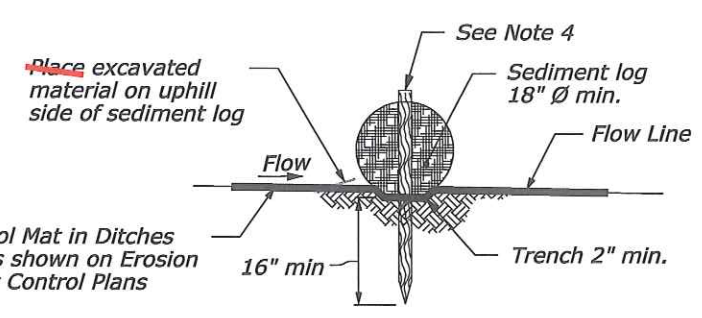
SEDIMENT LOG SPACING*	
DITCH GRADE	SEDIMENT LOG SPACING (S) max. (ft)
<2%	150
2%-3%	75
3%-4%	50
4%-5%	40
5%-6%	30

\* Spacing calculated based on 18" Ø min sediment log.  
No sediment log > 6%.



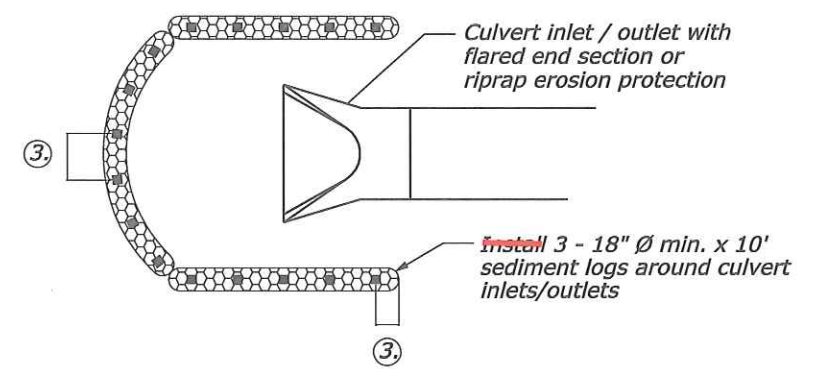
PROFILE VIEW

SEDIMENT LOG IN SWALE AND DITCH

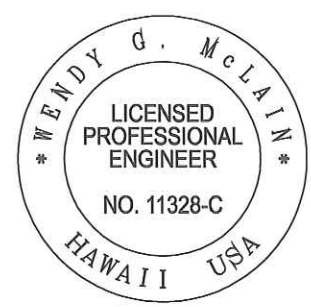


SEDIMENT LOG STAKING DETAIL

- NOTE:**
1. ~~Repair~~ **placed** all rills or gullies prior to installation.
  2. ~~Place~~ **placed** sediment log in offsite swales perpendicular to the flowline, as shown on plans.
  3. ~~Stake~~ **staked** sediment logs in place with 1 1/8" X 1 1/8" wood stakes. Drive stakes at each end of the sediment log and at 2' (max) spacing.
  4. ~~Drive~~ **driven** stakes into undisturbed soil of trench bottom 16" (min). Expose stakes 2" (min.) above top of log.
  5. ~~Provide~~ **provided** sufficient length to prevent water from flowing around the ends of the sediment log.
  6. ~~Place~~ **placed** sediment logs in continuous contact with trench bottom and sides. Tamp soil backfill against upstream side of logs to ensure storm water is forced to flow through log rather than under it.
  7. ~~Install and maintain sediment logs~~ **Sediment logs installed and maintained** according to the manufacturer's recommendations.
  8. For culvert and drop inlet sediment barrier: ~~Install sediment logs~~ **Sediment logs installed** directly on the ground. Ensure the bottom of the log is in full contact with the ground. ~~Do not~~ **not** trench below the elevation of the inlet.



SEDIMENT LOG AT CULVERT INLET/OUTLET



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4/30/2012  
NO SCALE  
SIGNATURE  
EXPIRATION DATE OF THE LICENSE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY SPECIAL	
<b>SEDIMENT LOG</b>	
DETAIL APPROVED FOR USE 01/2011	DETAIL 157-D

5/18/2011 7:13:24 PM M:\2006\2006\_069.004 CFLHD Saddle Road\_West Side\G Drawings\Contract Documents\Civil\HI SR 200(00)\_sp157-D.dgn