

TEMPORARY SILT FENCE

OCEAN SIDE OF

STATION

## **ELEVATION** —Limit of Grading -Support Net -Filter Fabric Direction of Flow |Post--Backfill 6" Deep Trench w/Available Soil & Compact

SILT FENCE	SCHEDIII			
OCEAN SIDE (RIGHT	SIDE OF H			
BEGIN	END			
518+50	549+30			

DETAIL

SILI FENCE	SCHEDULE
OCEAN SIDE (RIGH	T SIDE OF HWY.
BEGIN	END
518+50	549+30
549+85	559+45
<i>559+85</i>	585+00
585+55	623+60
<i>623</i> +95	628+70
629+25	680+95
681+85	691+10
693+10	718+00

HEADWALL SILT FENCE SCHEDULE

MOUNTAIN SIDE

**STATION** 

#### **Temporary Silt Fence Notes:**

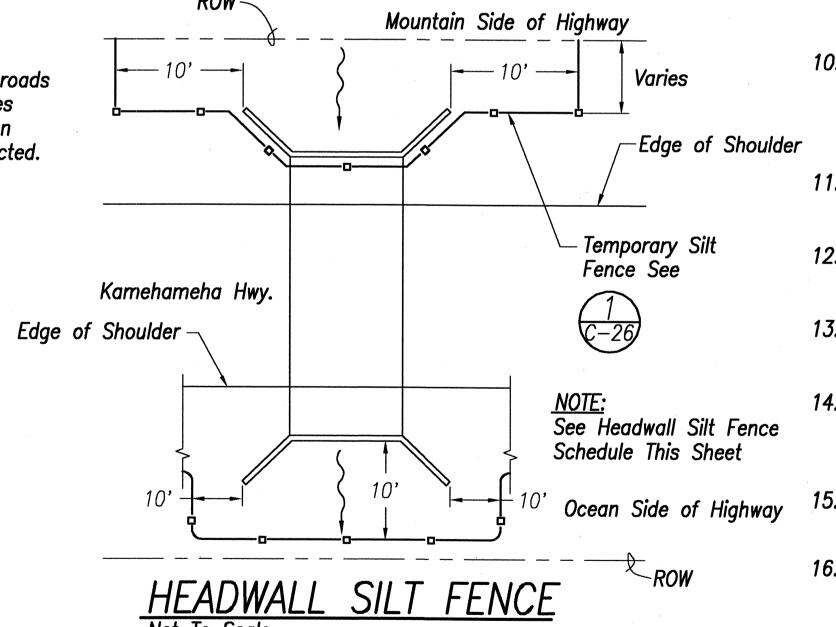
- 1. Filter fabric shall be approved by the Engineer, and shall be installed with a support net of polyester netting or approved equal. The filter fabric shall be a minimum of 36" wide and the support net a minimum of 30".
- 2. If silt fence is obtained from a manufacturer as a package (i.e., fabric attached to posts), the manufacturer's installation instructions shall be adhered to.
- 3. Posts shall be metal whenever possible. Cross section of posts shall be substantial enough to support a loaded silt fence without bending. Post spacing shall be 4' to 8'. depending on post size.
- 4. Temporary silt fence shall be installed prior to beginning of grading work, and shall not be removed until permanent grassing has been established.
- Limits shown in silt fence schedule are provided as general guidelines only. Provide breaks in fence as necessary to ensure clear access into and out of existing driveways and roads roads. Adjust limits of fence to conform to existing features as necessary to ensure protection from sediment and erosion damage for ocean, streams, and other features to be protected.

OCEAN SIDE OF

# (A) (C-26) Exist. Inlet Box Edge of Shoulder--Edge of Travel Lane Flow (Typ.) -Sandbags (Burlap or Woven Geotextile Fabric) Filled with Gravel, Layered and Packed Tightly (Typ.) <u>PLAN</u> -Sandbags (Typ.) Flow (Typ.) -Exist. Inlet Box A SECTION

Install sediment barrier at all existing/new drain inlets within the project limits.

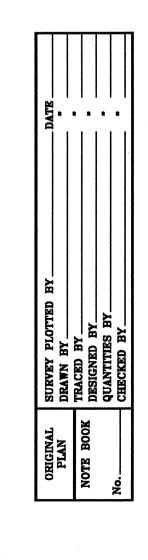
### DRAIN INLET SEDIMENT BARRIER C-26 Scale: 1" = 5'



# Erosion Control Not

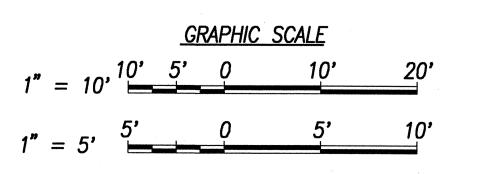
	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
tes:	HAWAII	WAII HAW. NH-083-1(43)		2001	28	121
	ce with Ch	apter 1	4, Articles 13,	14, 15	,	

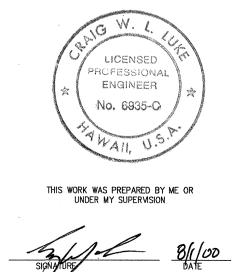
- All grading work shall be done in and 16, as related to grading, soil erosion and sediment control, of the Revised Ordinances of Honolulu, 1990, as amended, and soils report entitled, "Soils Investigation, Kamehameha Highway Rehabilitation, Waiahole Valley Road to Crouching Lion Inn," by Ernest K. Hirata & Assoc., Inc., dated February 4, 2000.
- 2. The Contractor shall not perform any grading operation which would cause falling rocks, soil or debris, in any form, to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the Contractor may be cited and shall immediately make all remedial actions necessary.
- The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The costs incurred for any necessary remedial action by the Engineer shall be payable by the Contractor.
- The Contractor, at his own expense, shall keep the project area and surrounding area free from dust and other nuisance. The work shall be in conformance with the air pollution control standards contained in the Hawaii Administrative Rules, Chapter 11-60, "Air Pollution Control."
- 5. Adequate provisions shall be made to prevent surface waters from damaging the cut face of an excavation or the sloped surfaces of a fill. Furthermore, adequate provisions shall be made to prevent sediment—laden runoff from leaving the site.
- All slopes and exposed areas shall be sodded or planted as soon as final grades have been established. Planting shall not be delayed until all grading work has been completed. Grading to final grade shall be continuous, and any area within which work has been interrupted or delayed shall be planted.
- 7. Fills on slopes steeper than 5:1 shall be keyed and benched.
- 8. No grading work shall be done on Saturdays, Sundays and holidays at any time without prior written notice to the Engineer.
- The limits of the area to be graded shall be flagged by the Contractor before the commencement of the grading work.
- 10. The grading operations shall be performed in conformance with the applicable provisions of the water quality and water pollution control standards contained in Hawaii Administrative Rules, Chapter 11-54, "Water Quality Standards," and Chapter 11-55, "Water Pollution Control," and if applicable, the NPDES permit for the project.
- 11. Where applicable and feasible, the measures to control erosion and other pollutants shall be in place before any earth moving phase of the grading is initiated.
- 12. Temporary erosion control procedures shall be submitted by the Contractor for approval by the Engineer prior to the start of actual grading operations.
- 13. Excavated material on site which will be exposed for more than 7 days shall be covered with plastic sheets within 2 days of placement or as directed by the Engineer.
- 14. During construction, silt fences shall be installed along the edges of open channels, swales and ditches in order to filter sediment from runoff before it enters the channel, swale or ditch.
- Temporary erosion controls shall not be removed before permanent erosion controls are in-place and established.
- 16. Erosion Control measures shall be considered incidental to the various items of work.



	OF HIGHWAY	HIGHWAY		OF HIGHWAY	HIGHWAY		10,	10'
519+50±	X	X	694+00±		X		70 -	
522+45±	X	X	717+75±	X	X			
567+00±	X	·	721+00±	<b>X</b> .	X	HEADWALL SILT Not To Scale		
585+65±	X	X	732+00	X				
589+50±	<b>X</b>		744+40±	X	X			
595+70	X	X	753+00±	X		STATION	MOUNTAIN SIDE	OCEAN SIDE OF
600+53±	X		756+20±	X				HIGHWAY
637+60±	X	X	763+00	X		843+00±	X	
645+00±	·	X	800+50	X		853+00±	X	
656+55±	X	X	826+80±	X		865+60±	X	,
664+55±	X	X	832+00	X		893+00	X	
684+50±	X	X	832+75	X		902+00	X	

MOUNTAIN SIDE





STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

EROSION CONTROL MEASURES

KAMEHAMEHA HIGHWAY RESURFACING Waiahole Valley Road to Crouching Lion Inn Federal Aid Project No. NH-083-1(43)

Scale: 1" = 10"Date: August 1, 2000