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	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
A CONTRACTOR OF	HAWAII	HAW.	61C- 01=04M-	2004	20	91	

GENERAL NOTES

02-04

- 1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
- 2. Where conditions require, special post lengths in increments of 6 inches may be specified.
- 3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM02b, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware", a report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report. Dimensions of fastners, posts and rail elements have been converted from metric units into their present form.
- 4. The Recycled Plastic Block or Offset Block shall be approved by the State.
- 5. All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.
- 6. After the guardrail posts are installed in the paved area, the Contractor shall fill/seal around each guardrail post and all cracks in the paved area caused during the guardrail post installation. If required by the inspector/engineer, the Contractor shall tamper the paved area around the guardrail post prior to filling/sealing. All costs associated with this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
- 7. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
- 8. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.
- 9. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 200 feet. Spacing of RM-5's on Horizontal Curves shall comply with Table III-1 of the MUTCD. RM-5's shall not be installed on Terminal Sections.

	DIMENSION		
GUARDRAIL TYPE	DIMENSION		
GUANDRAIL TIFE	H	A	
trong Post w/W Beam	1'-95/8"	1′-6″	
ubrail	2'-0"	1′-6″	
odified Thrie Beam	2'-0"	2'-0"	

-Break Point

Fill Slope		
Existing	DALL M. UPRO	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
Ground	K C C C C C C C C C C C C C	<u>GUARDRAIL DETAILS & NOTES</u>
	TAWAII, U.S.P.	KALANIANAOLE HIGHWAY
	THIS WORK WAS PREPARED BY ME OB UNDER MY SUPERVISION	EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION
	Will Miller	<u>PROJECT NO. 61C-01-04M</u> 02-04
		Scale: NTS Date: Sept. 26, 2003
		SHEET No. C-8 OF 12 SHEETS
AS-BUILT"		20