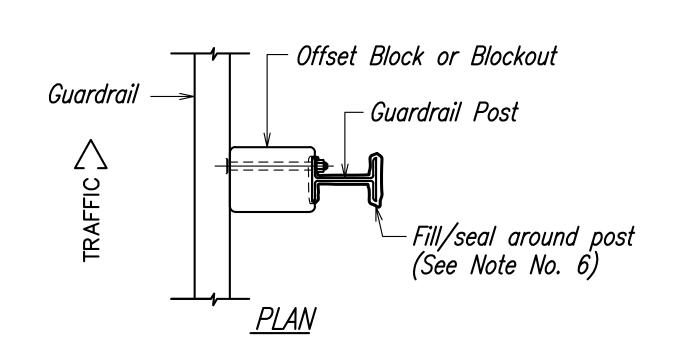
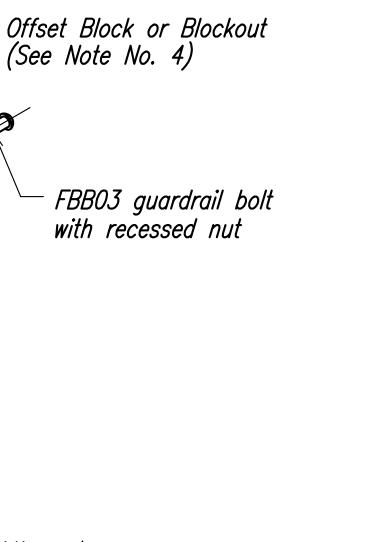


FED. F	ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
МА	UI	HAW.	ER-25(001)	2023	ADD.17A	34

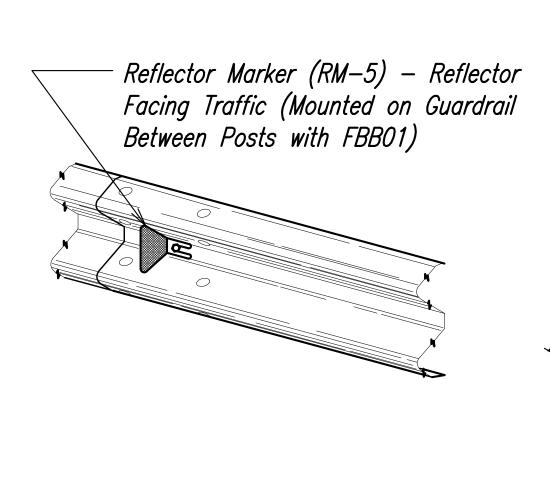
GUARDRAII TYPF	DIMENSION		
GUAKUKAIL TIPE	Н	A	
MGS w/ Standard 8" Offset Block	2'-1"	1'-6"	
MGS w/ No Blockout	2- 7/8"	9 1/4"	



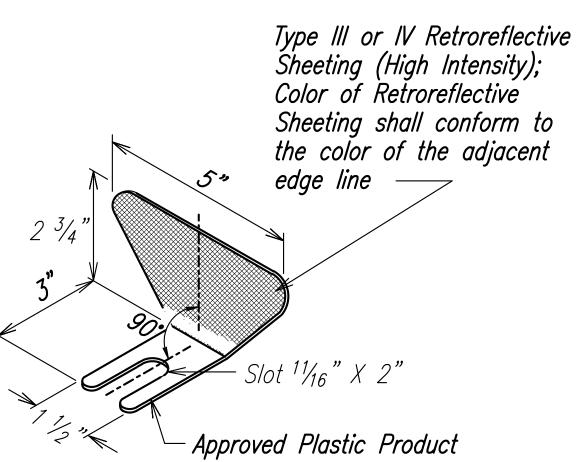


Exploded View (Rail and washer not shown)

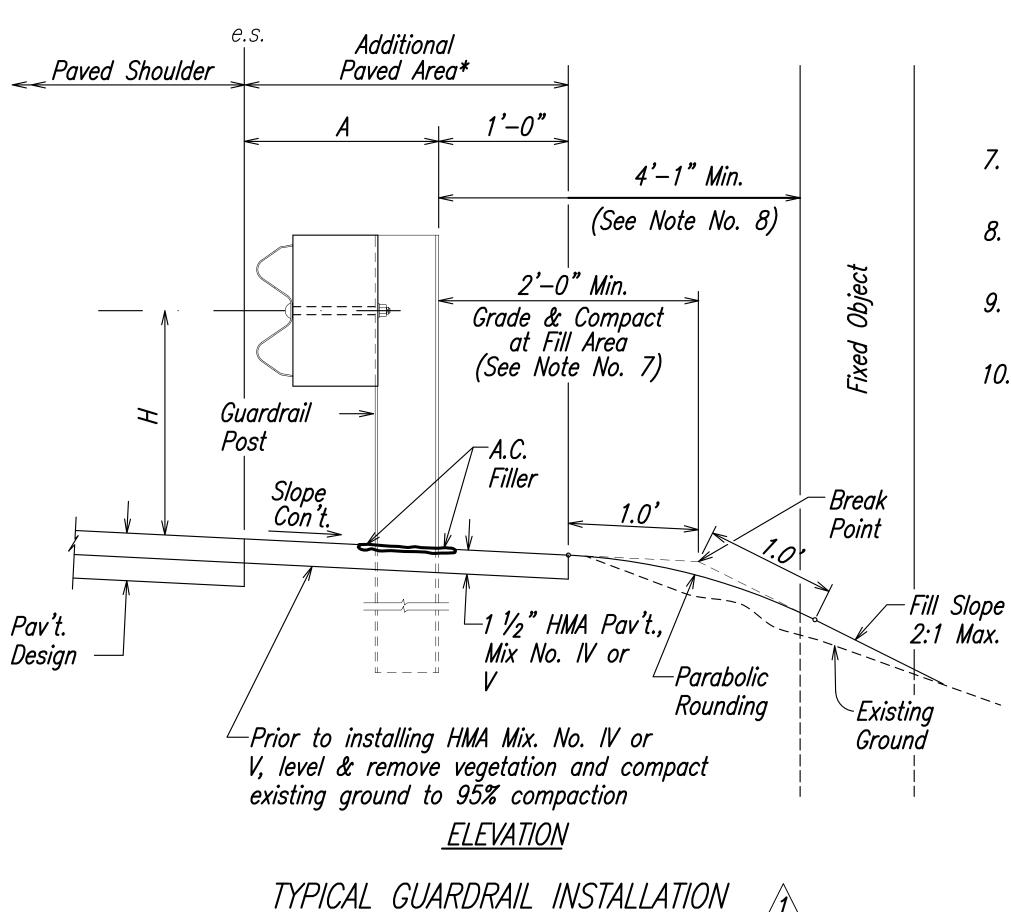
## STEEL POST AND BLOCK DETAIL



Strong Post (PWE01) (PWE02)



REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION



TYPICAL GUARDRAIL INSTALLATION



1/25/24 Guardrail Notes and Details Revised REVISION

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.

**GENERAL NOTES** 

2. Where conditions require, special post lengths in increments of 6 inches may be specified by the Engineer.

3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM04b, 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 Blockout or Offset Block shall be approved by the

5. All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.

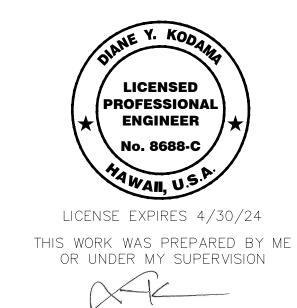
6. After the guardrail posts are installed in the paved area, the Contractor shall fill/seal around each guardrail post and all cracks in the paved area caused during the guardrail post installation. If required by the inspector/engineer, the Contractor shall tamper the paved area around the guardrail 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 quardrail items.

7. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.

8. Minimum working width (clear distance) between back of MGS post to any fixed object is 4'-1" (49").

9. New Hot Mix Asphalt (HMA) pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.

10. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 25 feet. RM-5's shall not be installed on Terminal Sections. Furnishing and installing of each RM-5 shall be considered incidental to the guardrail system.



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

## GUARDRAIL DETAILS & NOTES

KEKAULIKE AVENUE, EMERGENCY REPAIRS

M.P. 8.2 Federal-Aid Project No. ER-25(001)

Date: May 2023 Scale: As Noted SHEET No. 1 OF 3 SHEETS

ADD.17A

