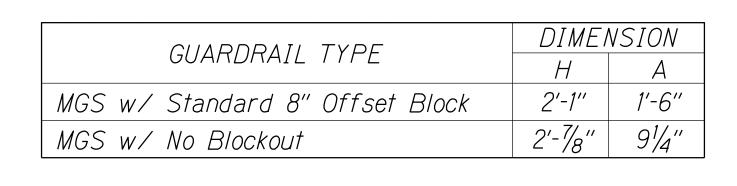
ED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-22	2022	13	33

GENERAL NOTES

- 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 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 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. 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.



PLAN

1'-0''

T-A.C.

Filler

2'-0" Min.

at Fill Area

(See Note No. 7)

-11/2" HMA Pav't.,/

Additional

Paved Area*

Guardrai L

TRAFFIC

Offset Block or Blockout

-Guardrail Post

-Fill/seal around post

(See Note No. 6)

4'-1" Min.

(See Note No. 8)

Object

Break

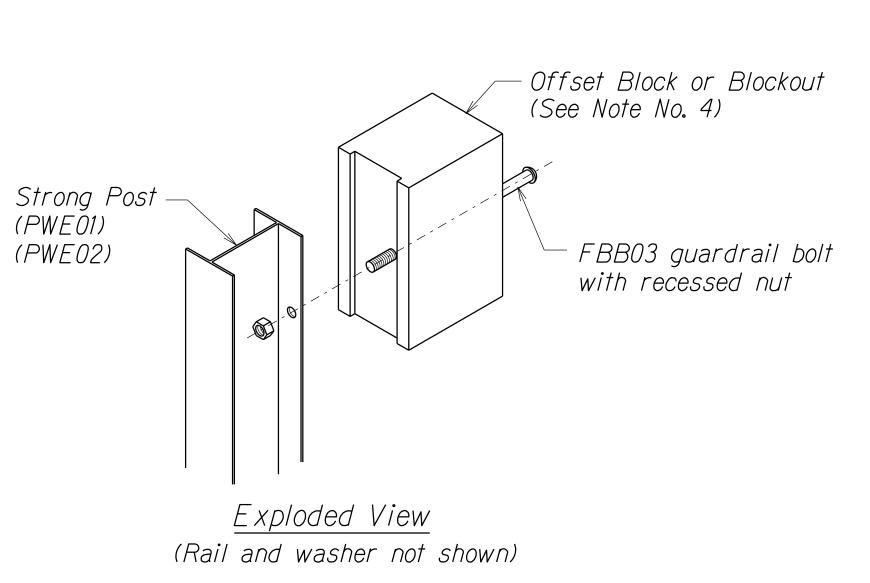
Point

Fill Slope

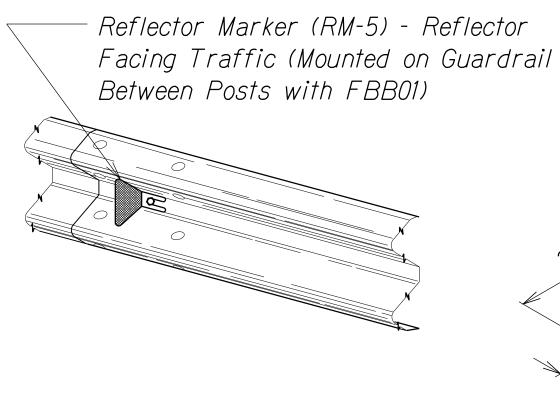
2:1 Max.

Existing

Ground

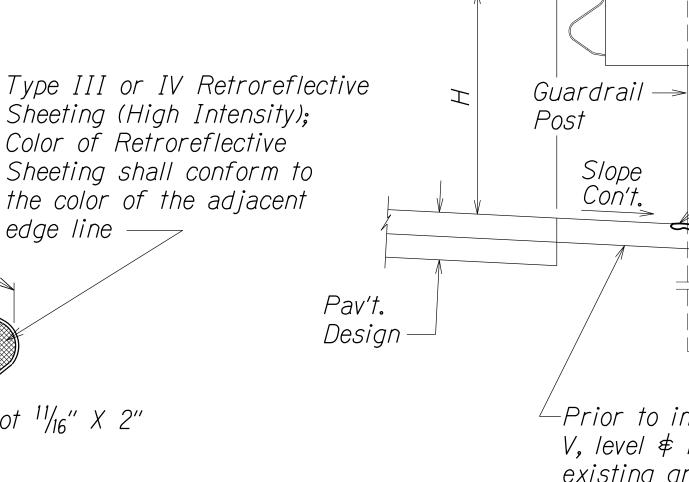


STEEL POST AND BLOCK DETAIL



Sheeting (High Intensity); Color of Retroreflective Sheeting shall conform to the color of the adjacent edge line — Slot 11/16" X 2" Approved Plastic Product

REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION



Paved Shoulder

Mīx No. IV *└Parabolic* ' Rounding -Prior to installing HMA Mix. No. IV or V, level \$ remove vegetation and compact existing ground to 95% compaction

ELEVATION

TYPICAL GUARDRAIL INSTALLATION

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GUARDRAIL DETAILS & NOTES

FORT BARRETTE ROAD IMPROVEMENTS VICINITY OF KAMAAHA AVENUE TO VICINITY OF FARRINGTON HIGHWAY PROJECT NO. 901A-01-22

Scale: NTS

Date: April, 2022

SHEET No. 1 OF 2 SHEETS

