

Exploded View

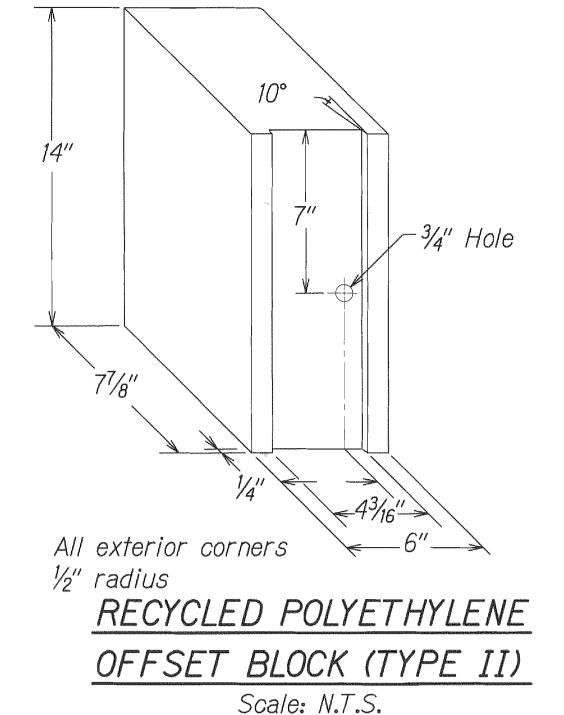
(Rail and washer not shown)

STEEL POST AND BLOCK DETAIL

Scale: N.T.S.

Facing Traffic (Mounted On Guardrail Bolt)

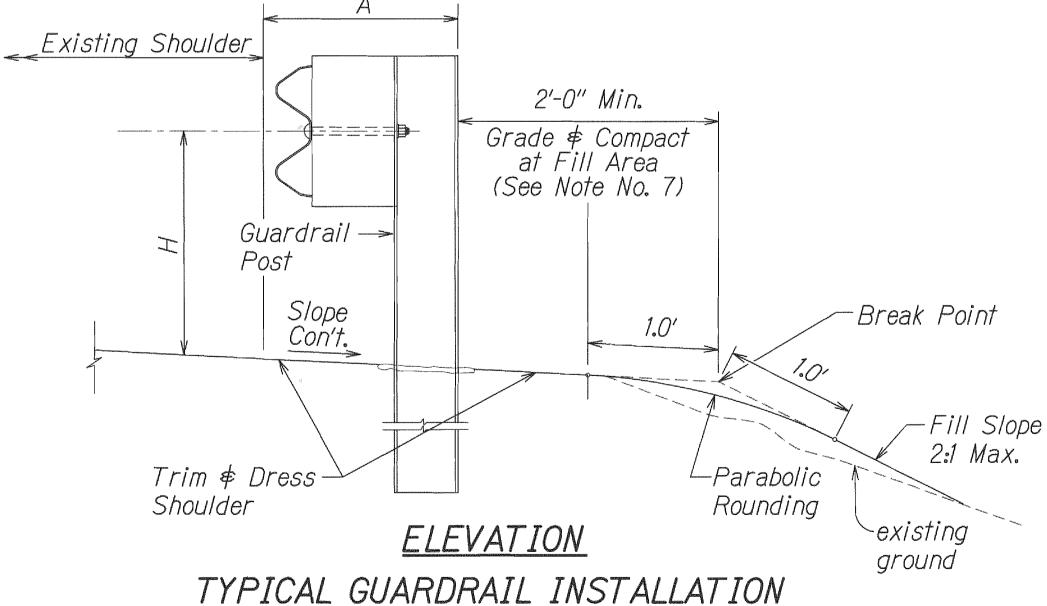
- Reflector Marker (RM-5) - Reflector



DIMENSION GUARDRAIL TYPE 1'-6" 1'-95/8" Strong Post W-Beam 2'-0" Strong Post Rubrail (W-Beam) 2'-0" 2'-0" Modified Or Strong Post Thrie Beam

PLAN Type III or IV Retroreflective Sheeting (High Intensity)—

(See Note No. 6)



Scale: N.T.S.

APPROVED: (For Work Within County Right of Way)

Key 10.12.12 County Engineer County of Kauai Date

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION DRU MATSWAFA 4/30/14 EXPIRATION DATE OF THE GUARDRAIL DETAILS \$ NOTES

STATE OF HAWAII

Scale: N.T.S. Date: June 2012

> OF 3 SHEETS SHEET No. 1

ORIGINAL SURVEY PLOTTED PLAN DRAWN BY TRACED BY DESIGNED BY SOLUCKINSO4 CHECKED BY CHECKED BY CHECKED BY

REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION

Slot 11/16" X 2"

Galvanized Steel

(1/8" Min. Thickness)

Scale: N.T.S.

23/4"

HAW. | HRR-0560(12) | 2013 | 10 |

FED. AID PROJ. NO.

FISCAL YEAR

NO.

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.

FED. ROAD DIST. NO.

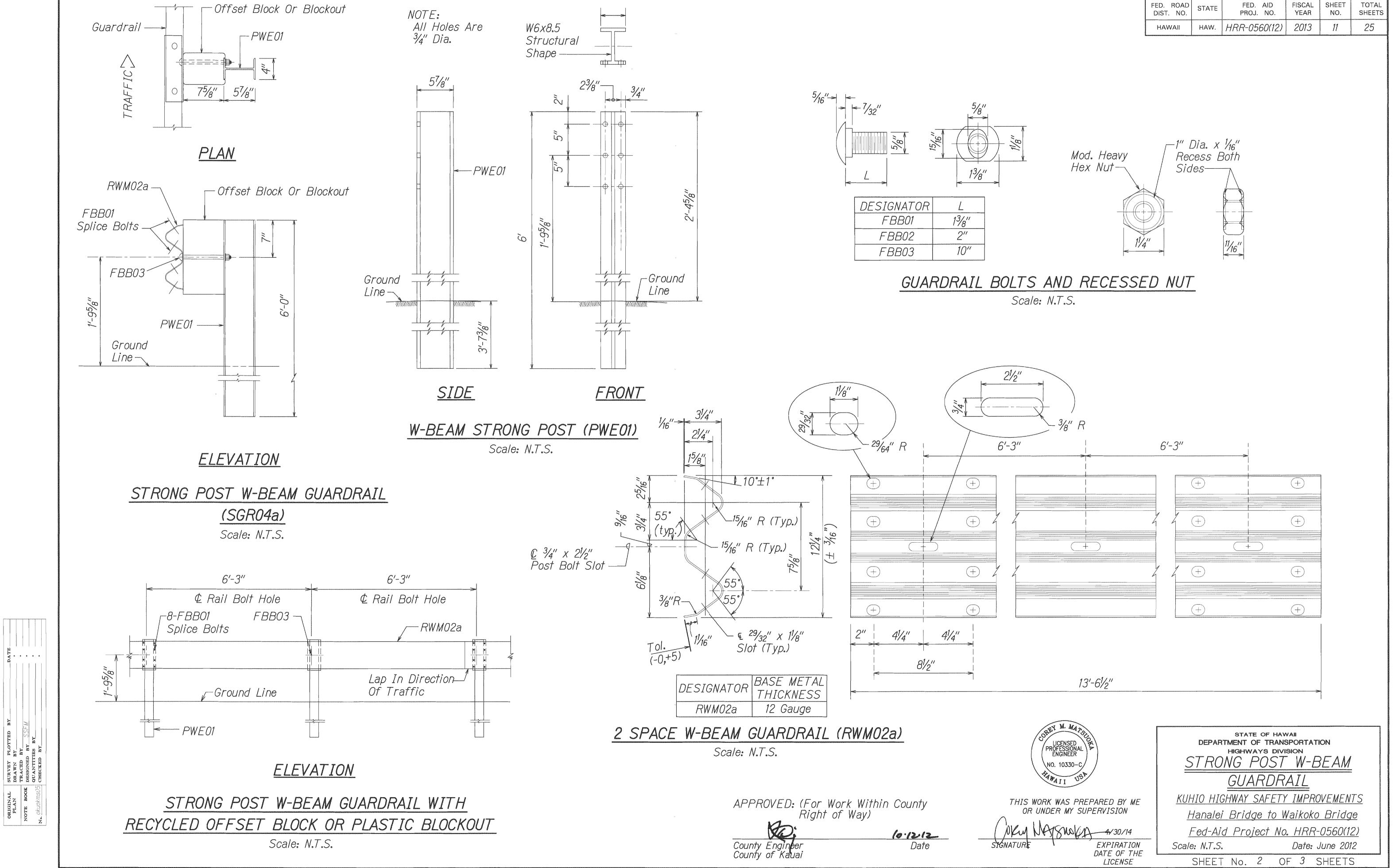
- 2. Where conditions require, special post lengths in increments of 6 inches may be specified.
- 3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM02b, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware", a report prepared 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 quardrail 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. 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 adjacent guardrail system. RM-5 shall be either galvanized steel or plastic.
- 9. Dress and hydro-mulch fill/cut areas and shall be considered incidental to the various contract items.
- 10. Compact finished grade until there is no visible evidence of further consolidation.

LICENSE

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

KUHIO HIGHWAY SAFETY IMPROVEMENTS

Hanalei Bridge to Waikoko Bridge Fed-Aid Project No. HRR-0560(12)



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