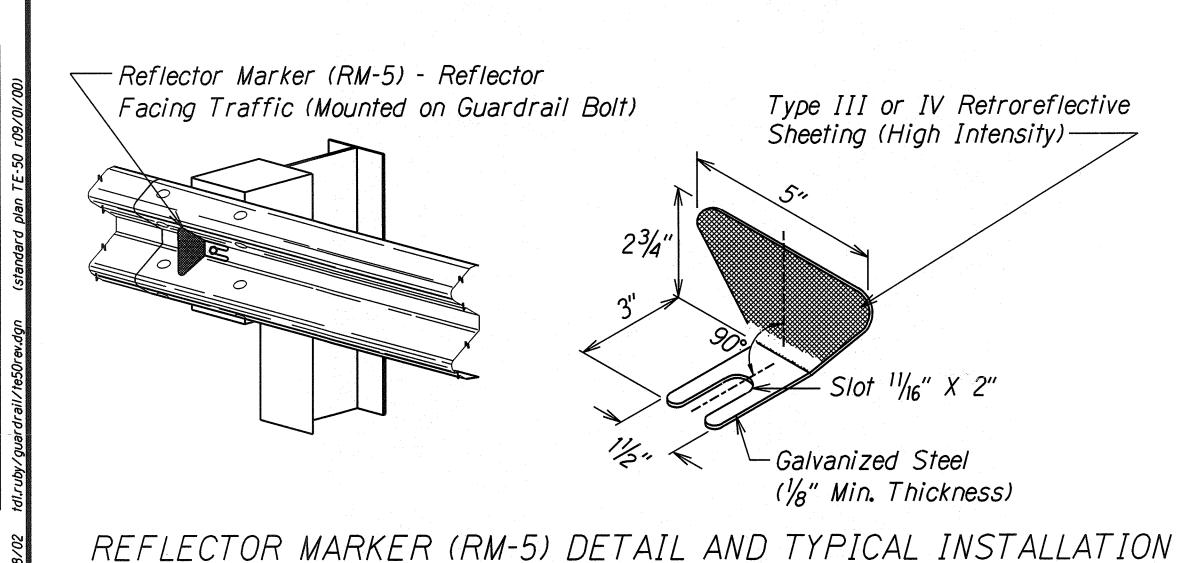
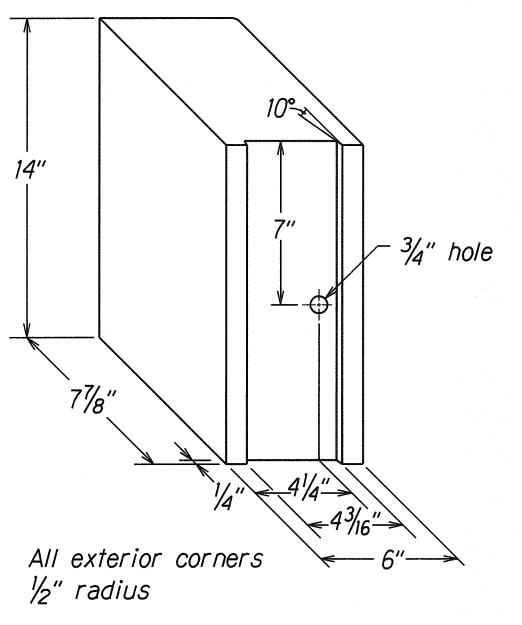


## STEEL POST AND BLOCK DETAIL

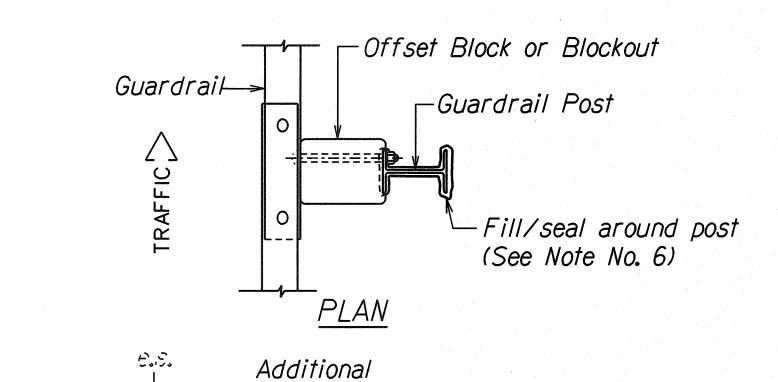
(Rail and washer not shown)

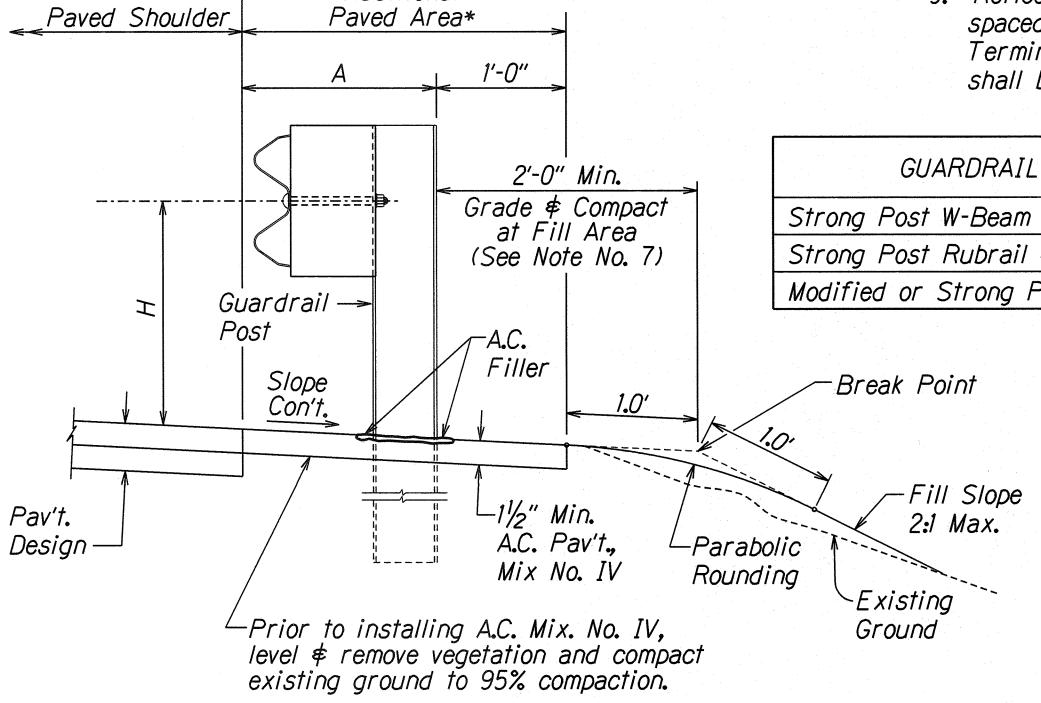


SURVE DRAWI TRACE DESIGN QUAN'



RECYCLED POLYETHYLENE OFFSET BLOCK (TYPE II)





ELEVATION

TYPICAL GUARDRAIL INSTALLATION

## FED. ROAD DIST. NO. NH-083-1(46)

STATE

FED. AID PROJ. NO.

FISCAL YEAR

SHEET 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.
- 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 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.

CUARDRAIL TYPE DIMENSION	GUARDRAIL TYPE
GUARDRAIL TIPE H A	GUARDRAIL TIPE
Post W-Beam 1'-95/8" 1'-6"	Strong Post W-Beam
Post Rubrail (W-Beam) 2'-0" 1'-6"	Strong Post Rubrail (W-Beam)
d or Strong Post Thrie Beam 2'-0" 2'-0"	Modified or Strong Post Thrie
2 0. 0 0 g . 00. 1 10 Bod   = 1	modified of official states

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. EXP. 04-30-10



STATE OF HAWAI'I DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

## GUARDRAIL DETAILS & NOTES

KAMEHAMEHA HIGHWAY DRAINAGE IMPROVEMENTS Vicinity of Kahuku Hospital and Replacement of Kii Bridge Federal Aid Project No. NH-083-1(46) Scale: NTS Date: April 2004

SHEET No.

OF 1

AS-BUILT

SHEETS