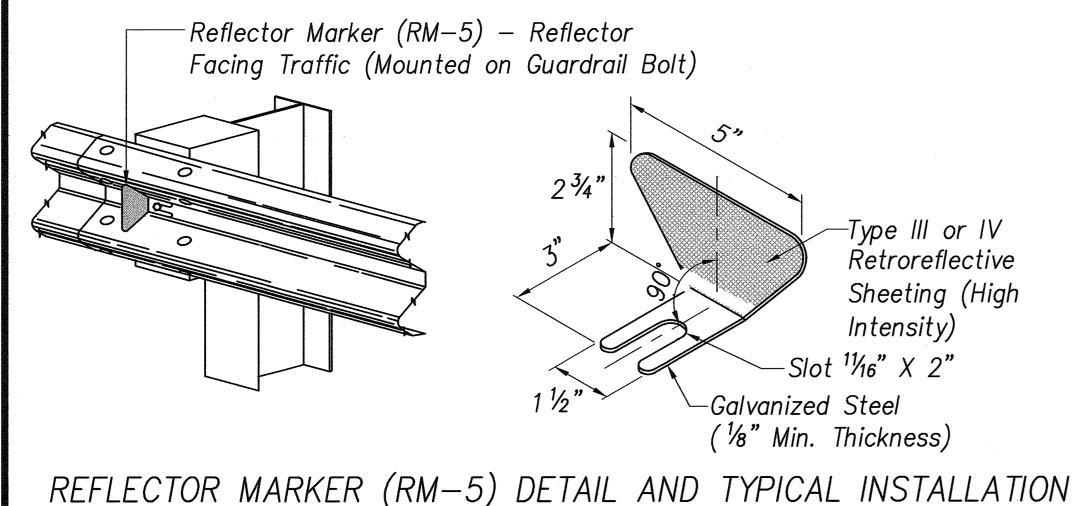
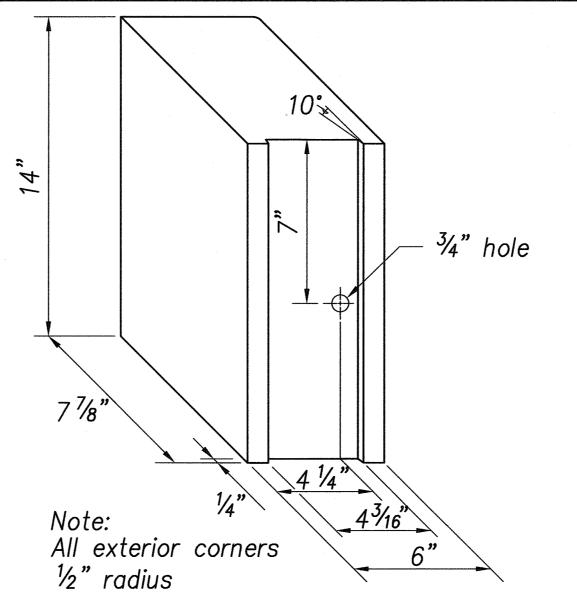


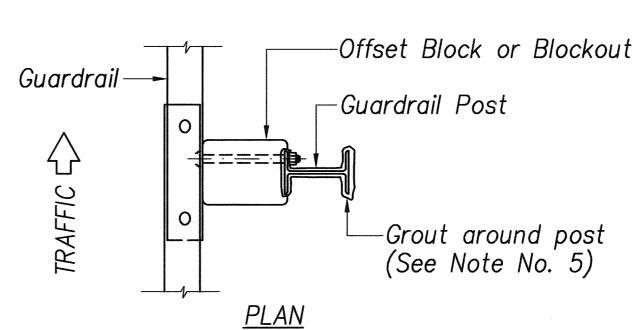
(Rail and washer not shown)

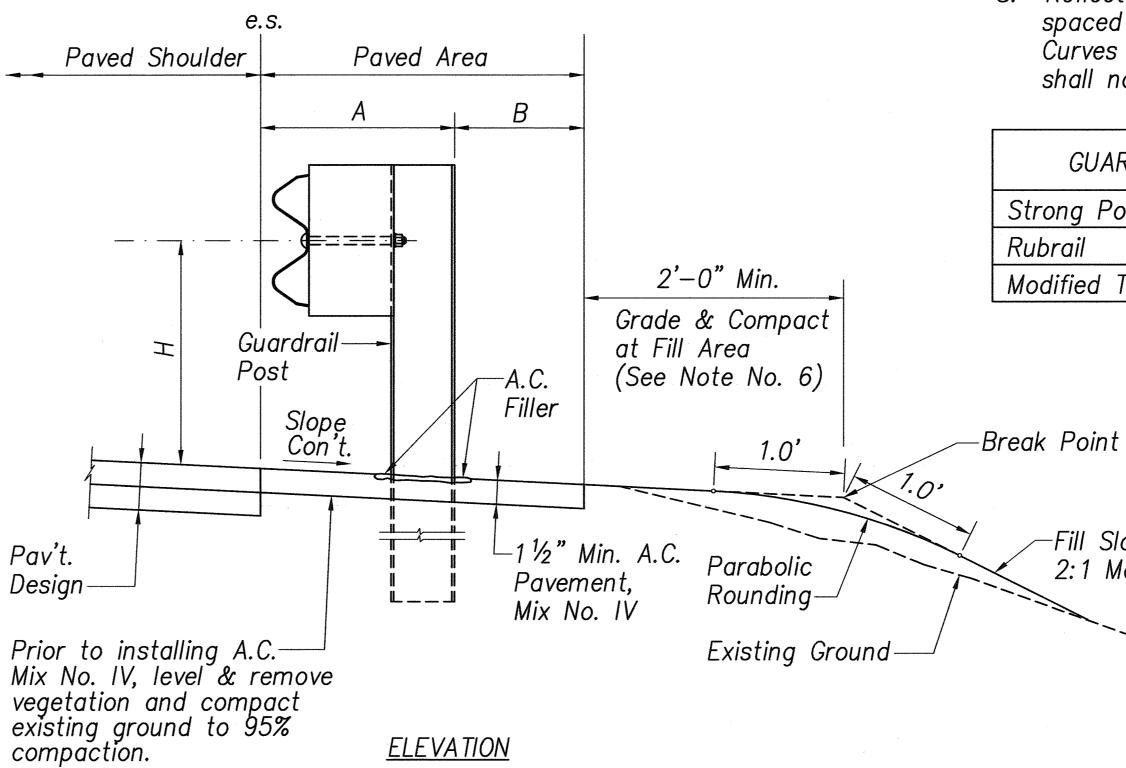
STEEL POST AND BLOCK DETAIL





RECYCLED POLYETHYLENE OFFSET BLOCK (TYPE II)





ELEVATION

TYPICAL GUARDRAIL INSTALLATION

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 fasteners, posts and rail elements have been converted from metric units into their present form.

FISCAL YEAR

2007

23

FED. AID PROJ. NO.

NH-083-1(60)

HAW.

- 4. The Recycled Plastic Block or Offset Block shall be approved by the State.
- 5. After the guardrail posts are installed in the paved area, the Contractor shall grout around the guardrail post and seal all cracks in the paved area that was 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 grouting. The cost for this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
- 6. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
- 7. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.
- 8. 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.

GUARDRAIL TYPE	DIMENSION		
	Н	Α	В
Strong Post w/W Beam	1'-9 ⁵ %"	1'-6"	1'-0"
Rubrail	2'-0"	1'-6"	2'-0"
Modified Thrie Beam	2'-0"	2'-0"	1'-0"

-Fill Slope 2:1 Max. APRIL 30, 2008
EXPIRATION DATE OF LICENSE

THIS WORK WAS PREPARED BY ME OR

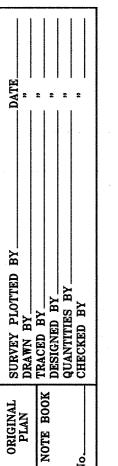
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

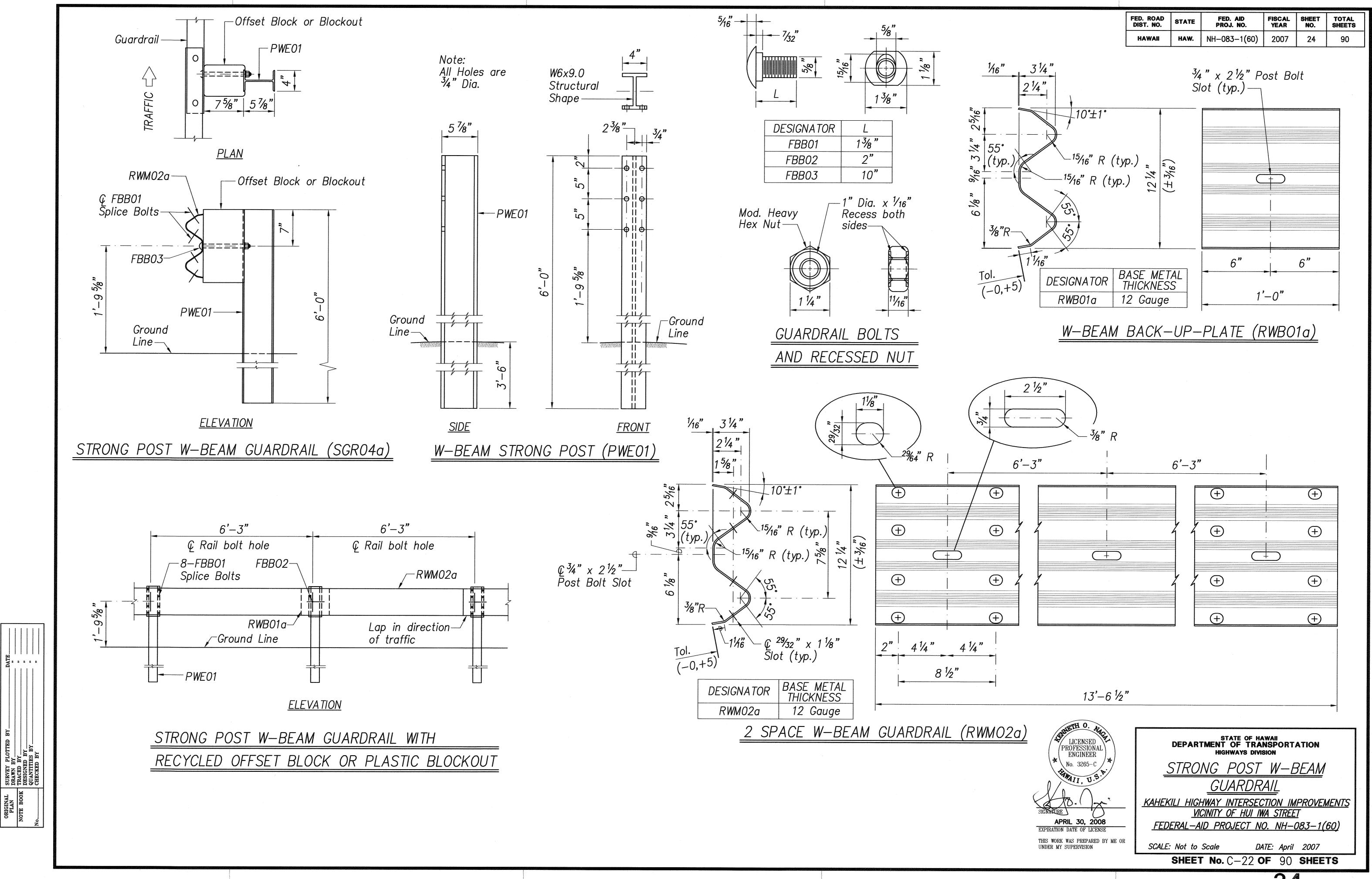
GUARDRAIL DETAILS AND NOTES

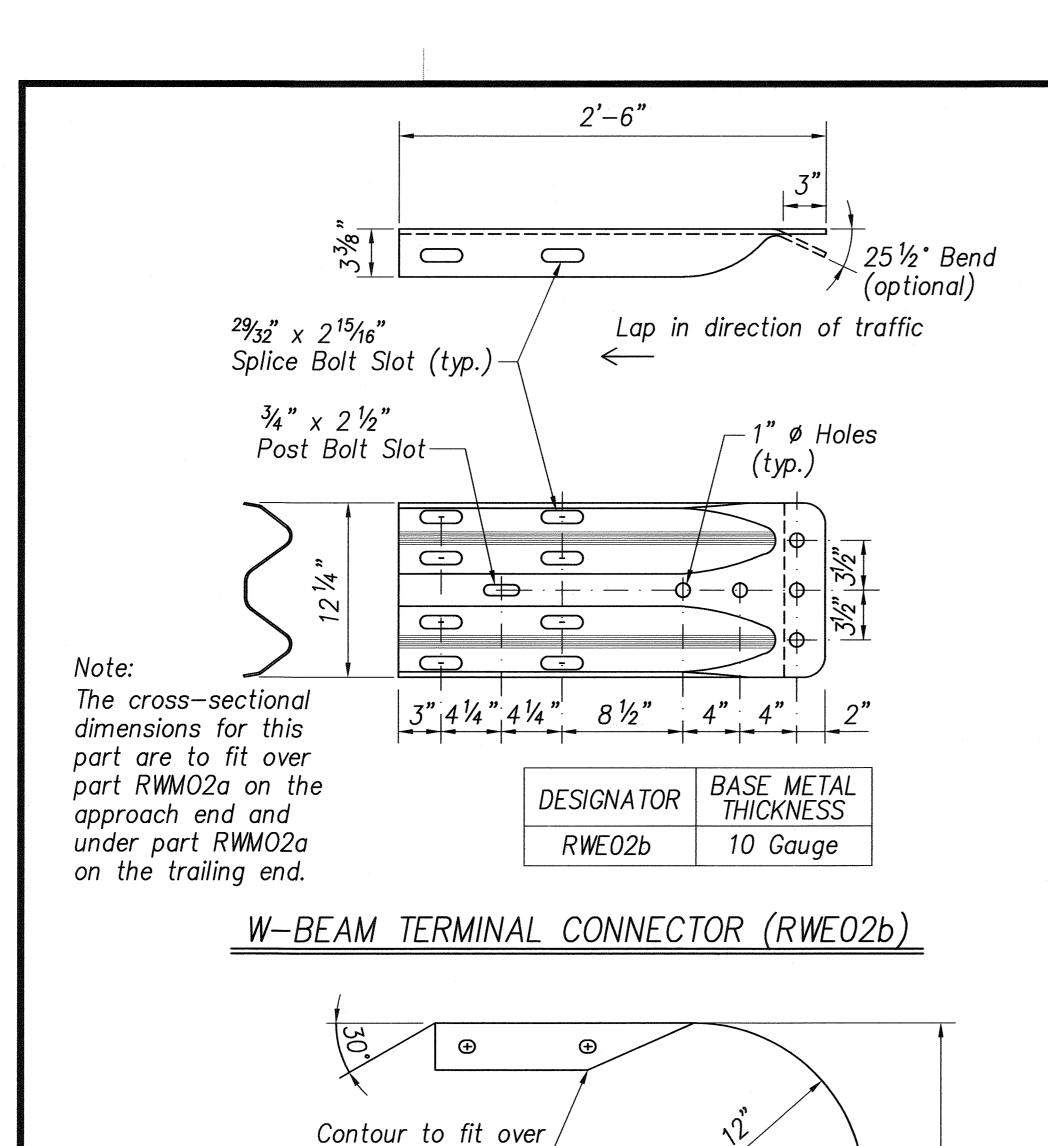
KAHEKILI HIGHWAY INTERSECTION IMPROVEMENTS VICINITY OF HUI IWA STREET

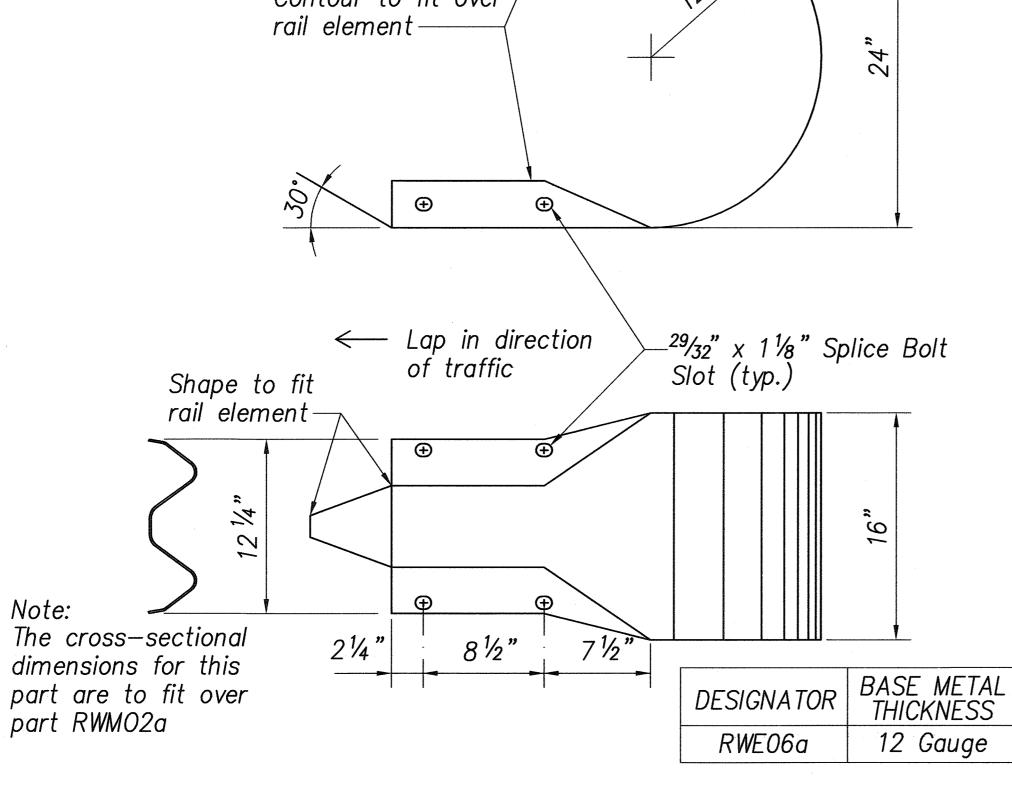
FEDERAL-AID PROJECT NO. NH-083-1(60)

SCALE: Not to Scale DATE: April 2007 SHEET No. C-21 OF 90 SHEETS

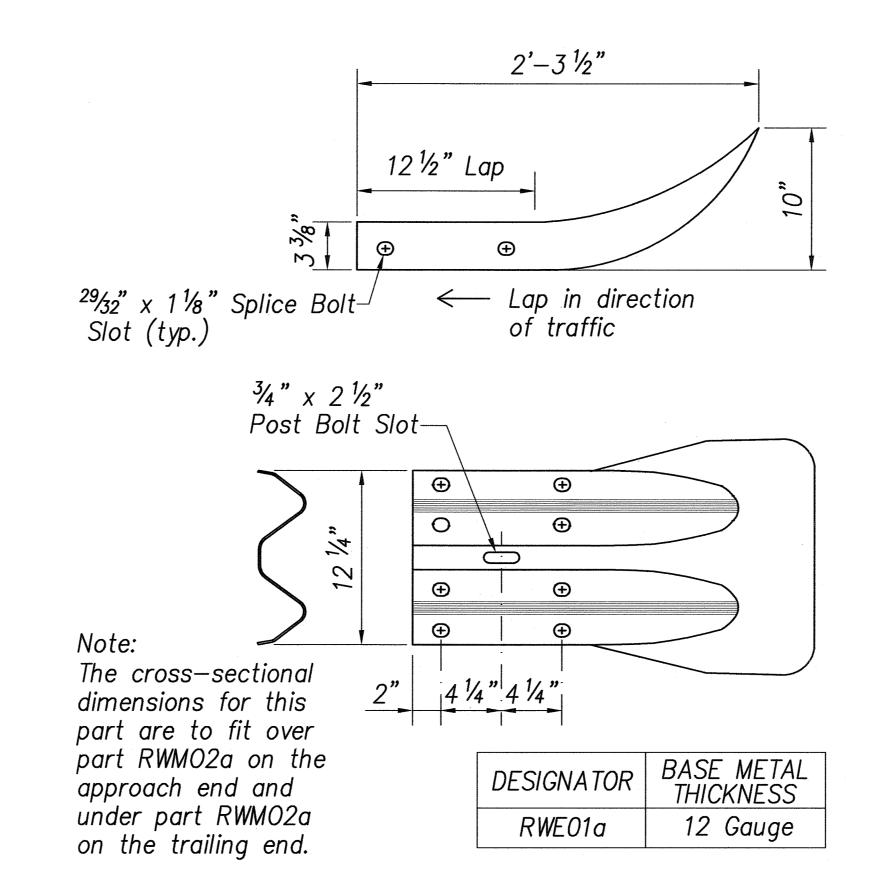




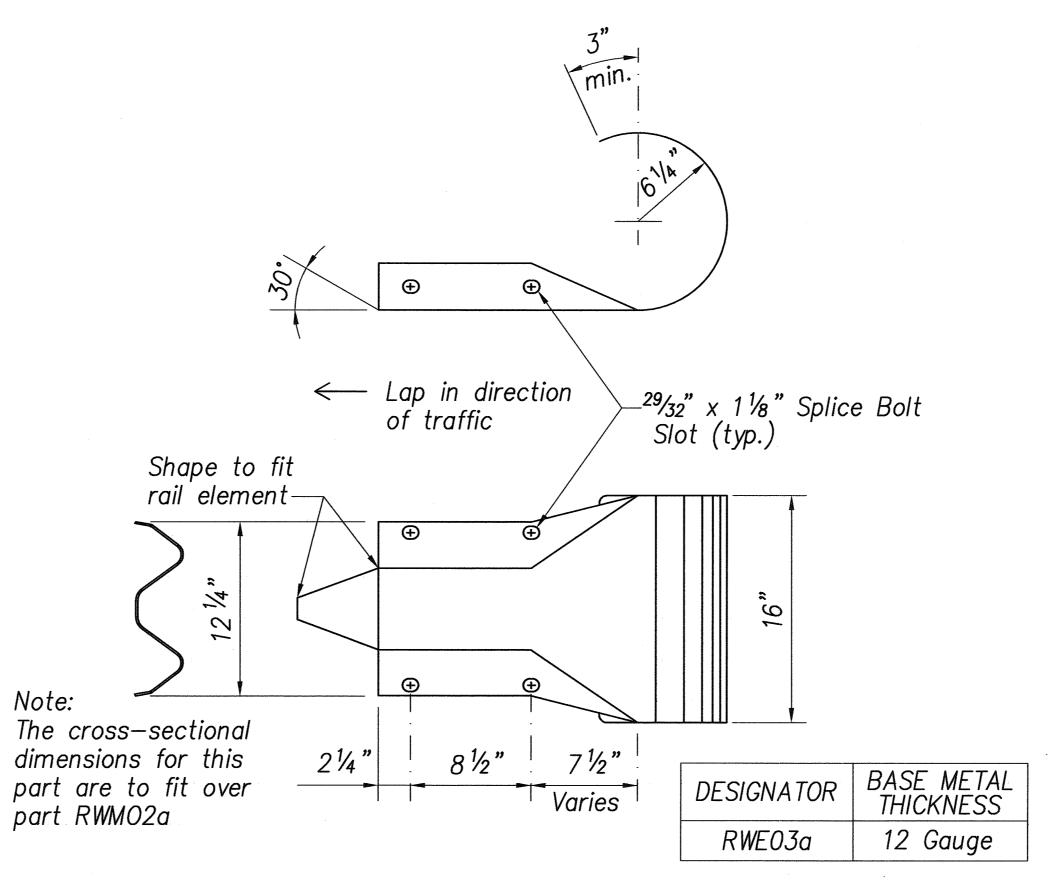




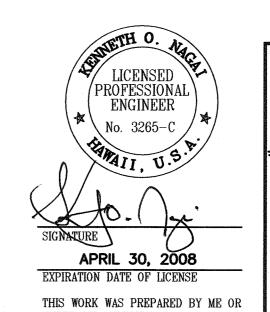
W—BEAM END SECTION (BUFFER RWE06a)



W-BEAM END SECTION (FLARED RWE01a)



W-BEAM END SECTION (ROUNDED RWE03a)



FED. ROAD DIST. NO.

STATE

FISCAL SHEET TOTAL SHEETS

HAW. NH-083-1(60) 2007 25

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL TERMINAL CONNECTORS

AND END SECTIONS

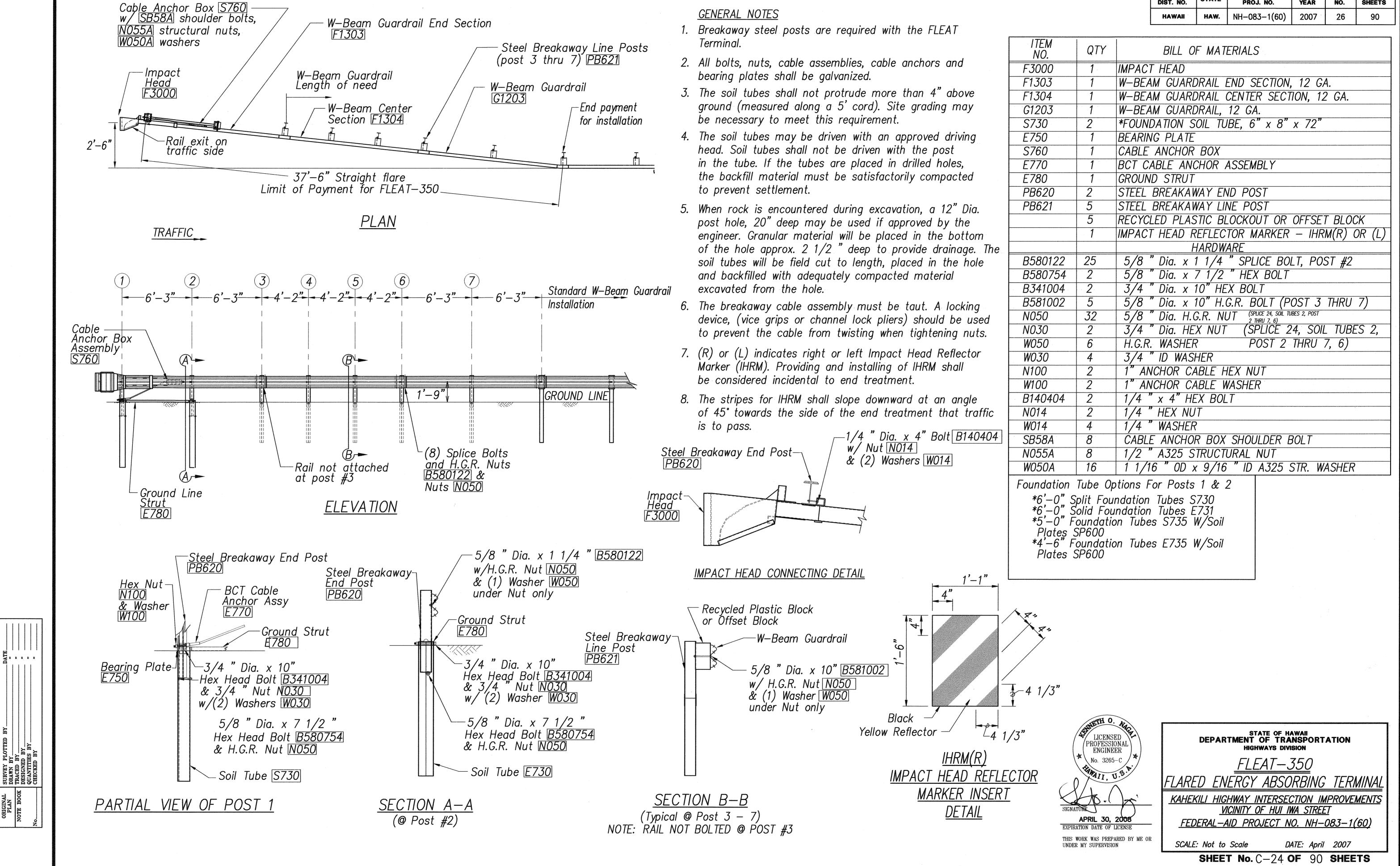
KAHEKILI HIGHWAY INTERSECTION IMPROVEMENTS
VICINITY OF HUI IWA STREET

FEDERAL-AID PROJECT NO. NH-083-1(60)

SCALE: Not to Scale

DATE: April 2007

SHEET No. C-23 OF 90 SHEETS



26

FISCAL SHEET TOTAL YEAR NO. SHEETS

STATE

