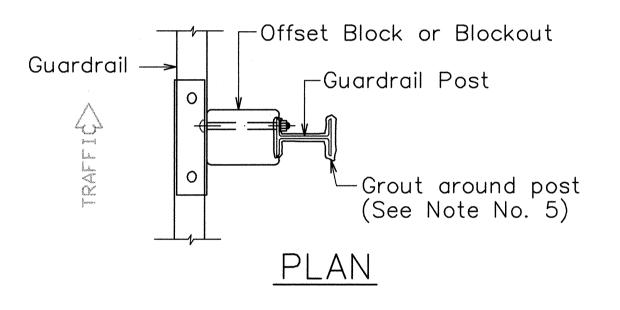
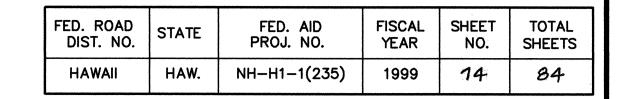


RECYCLED POLYETHELENE OFFSET BLOCK (TYPE II)





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.
- 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.

DIMENSION

1'-9 5/8"

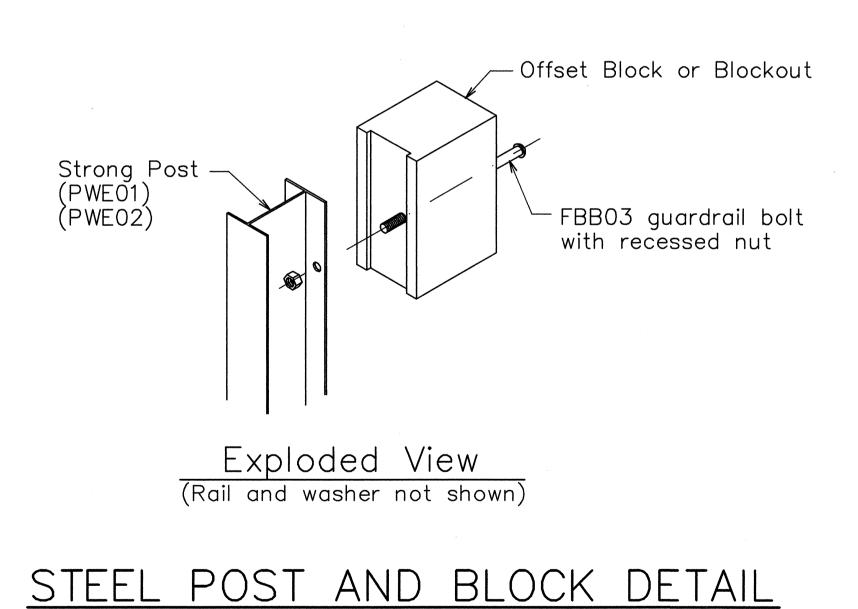
2'-0"

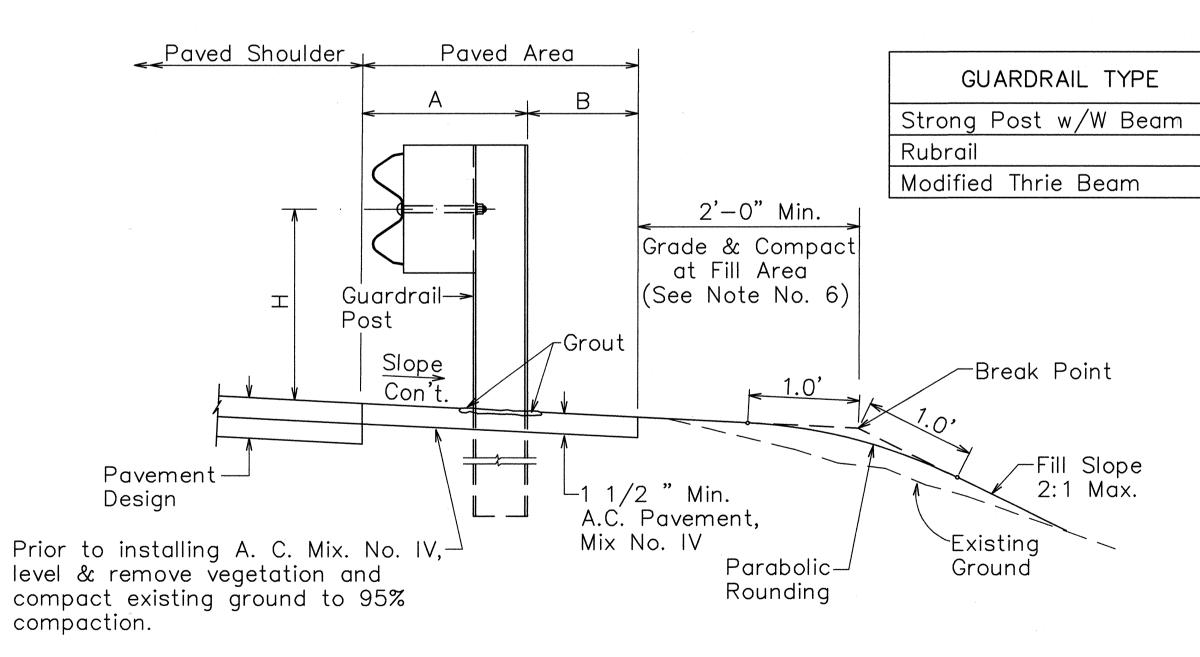
2'-0"

1'-6" 1'-0"

1'-6" 2'-0'

2'-0" 1'-0"





STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS & NOTES

HIGHWAYS DIVISION

INTERSTATE ROUTE H-1 RESURFACING Kunia IC to Waikele Stream Bridge

F.A.I. Project No. NH-H1-1(235) Scale: As Shown

Date: Apr. 30, 1999 SHEET NO. B1 OF 10 SHEETS

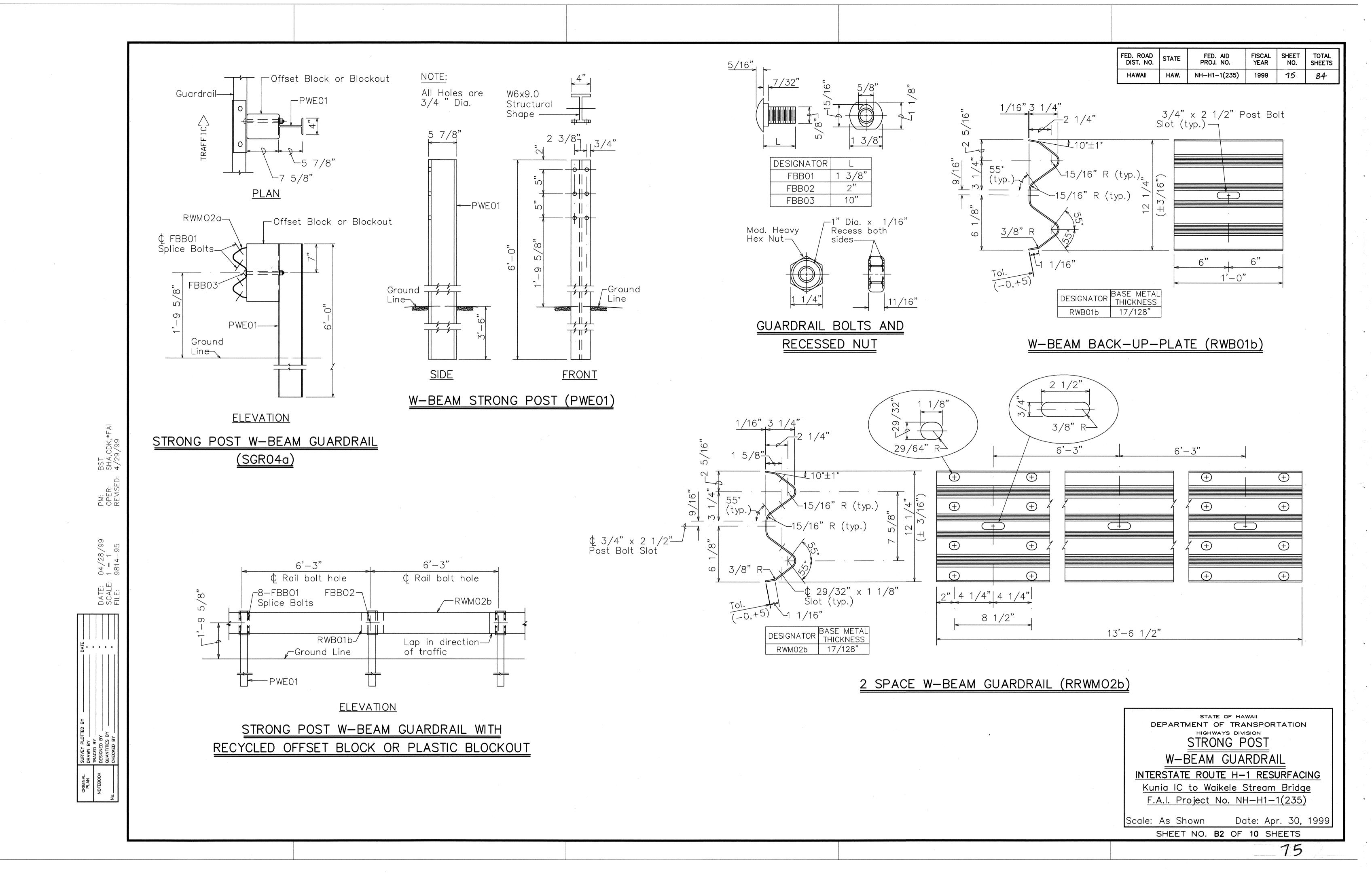
ELEVATION

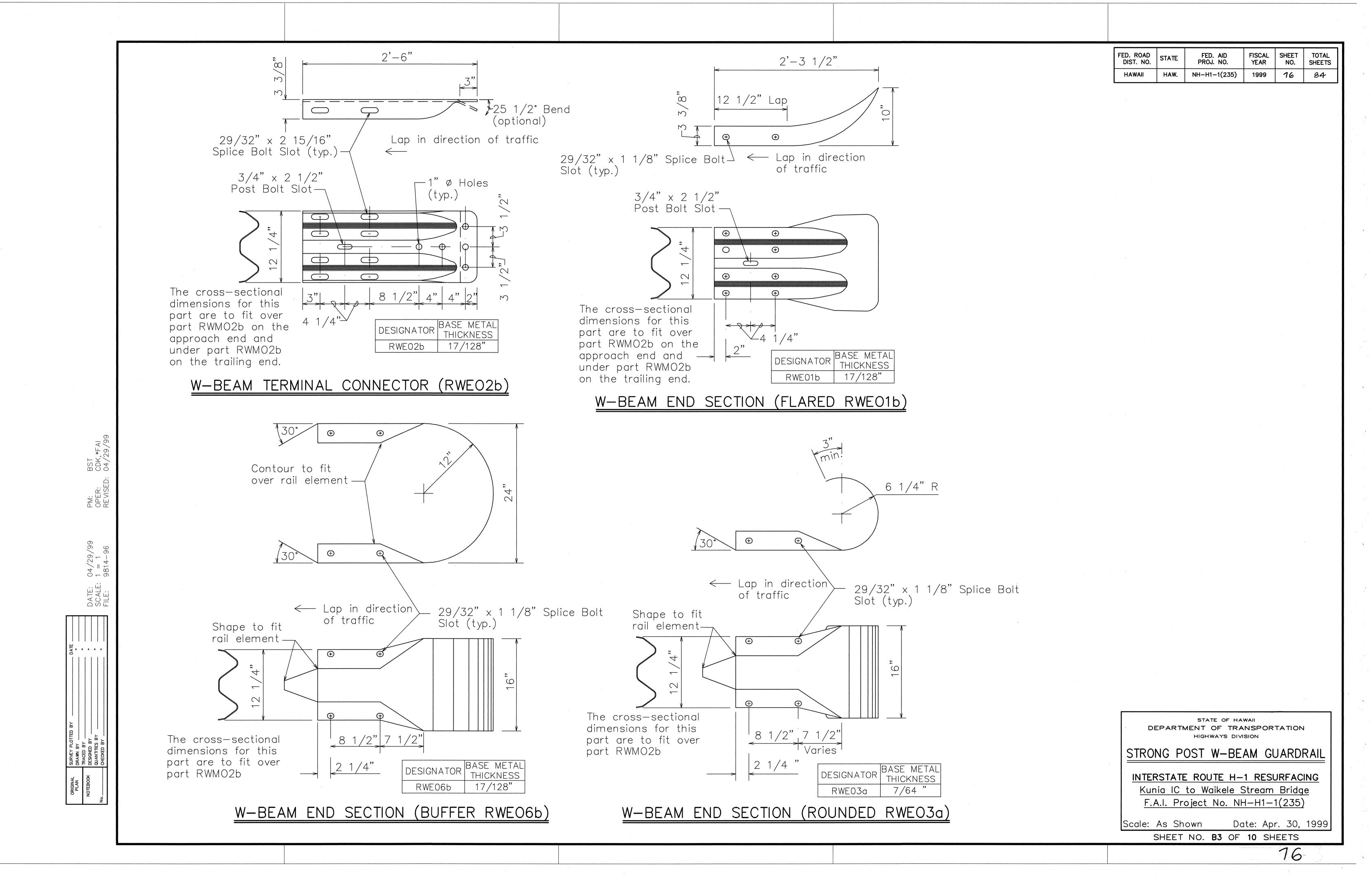
TYPICAL GUARDRAIL INSTALLATION

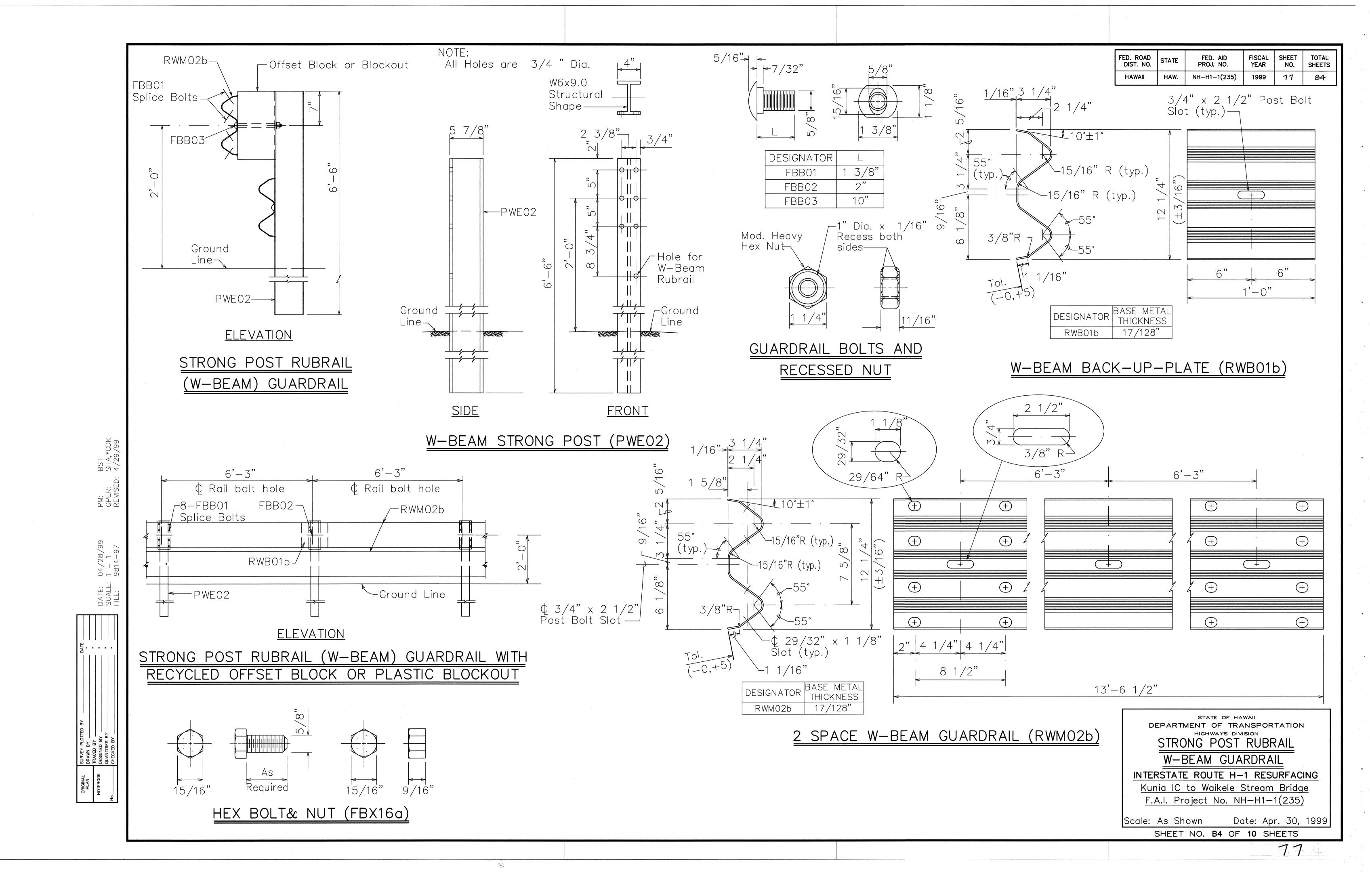
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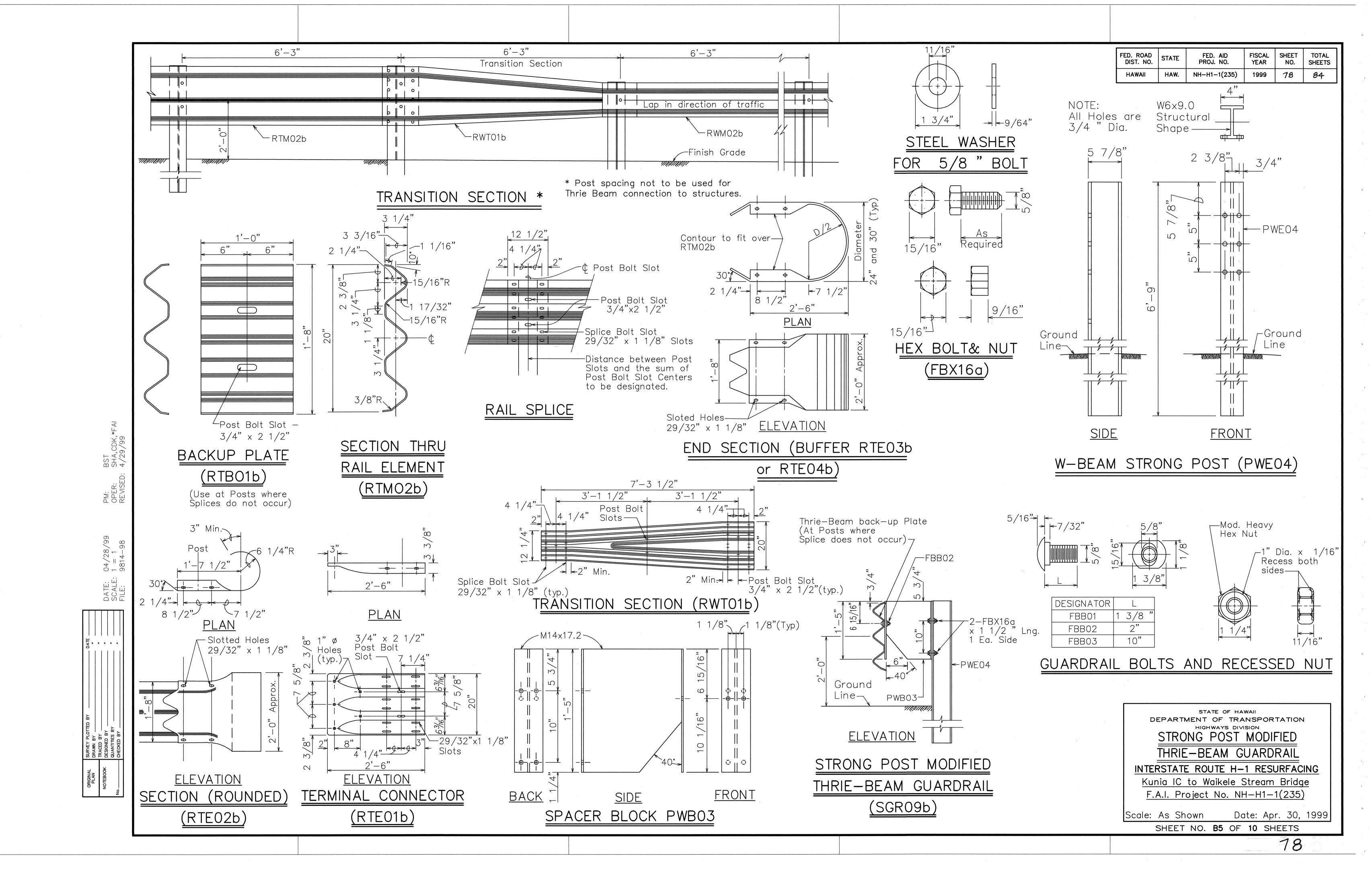
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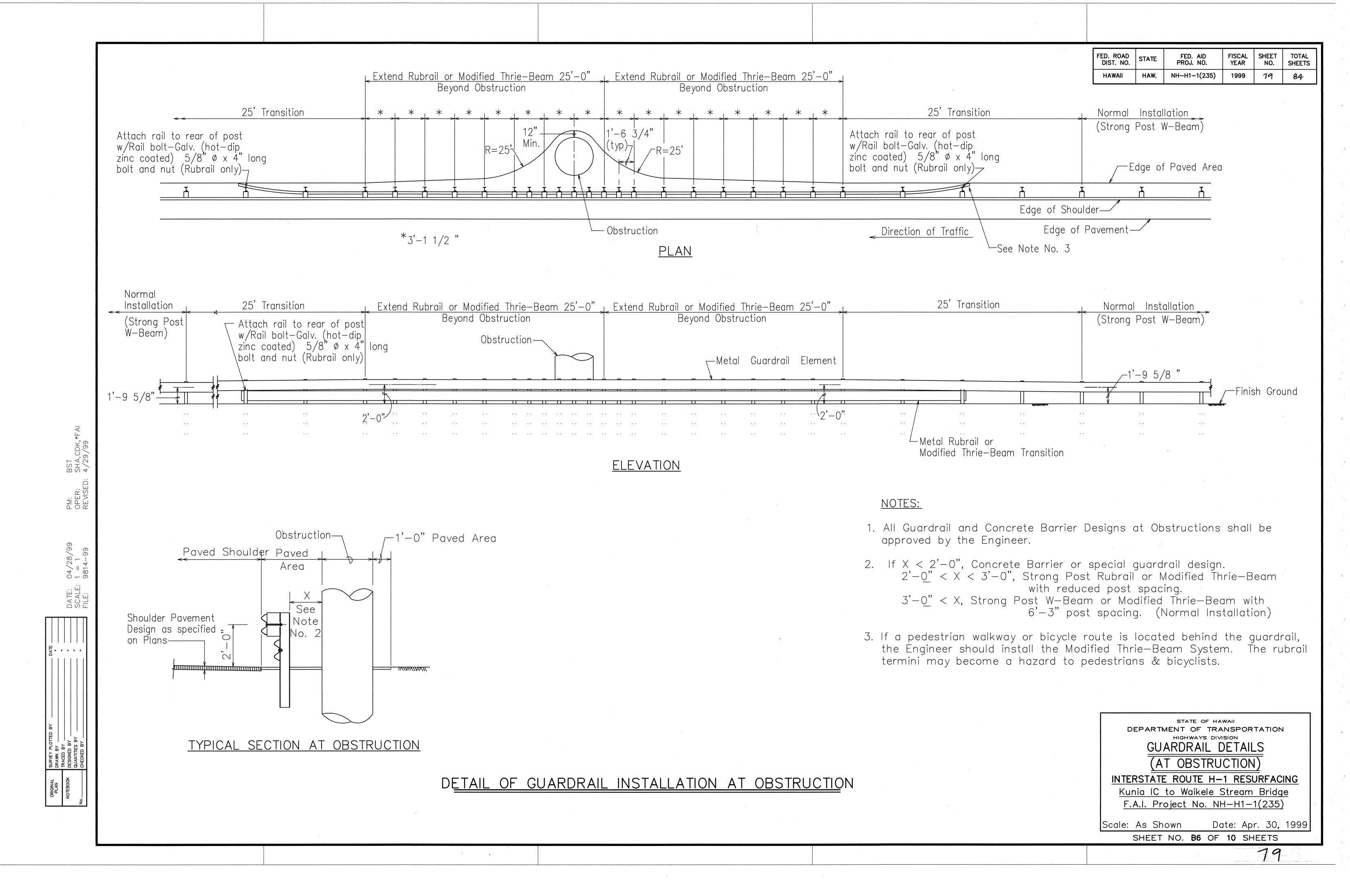
14

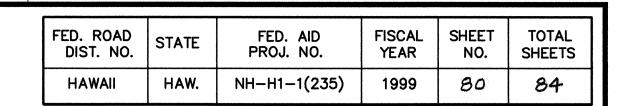


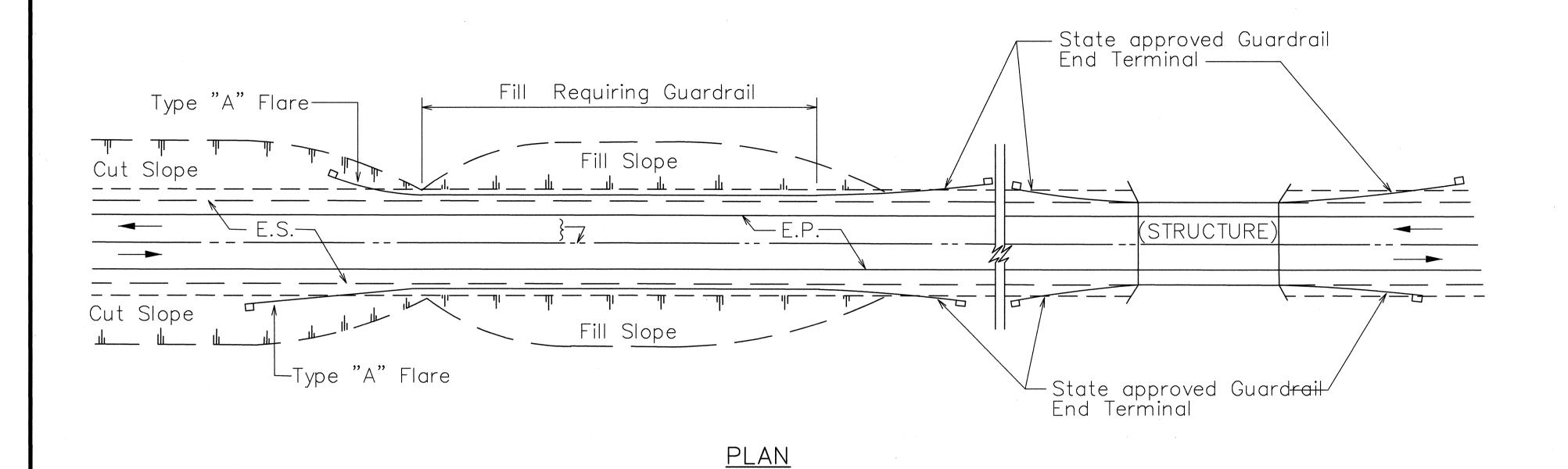








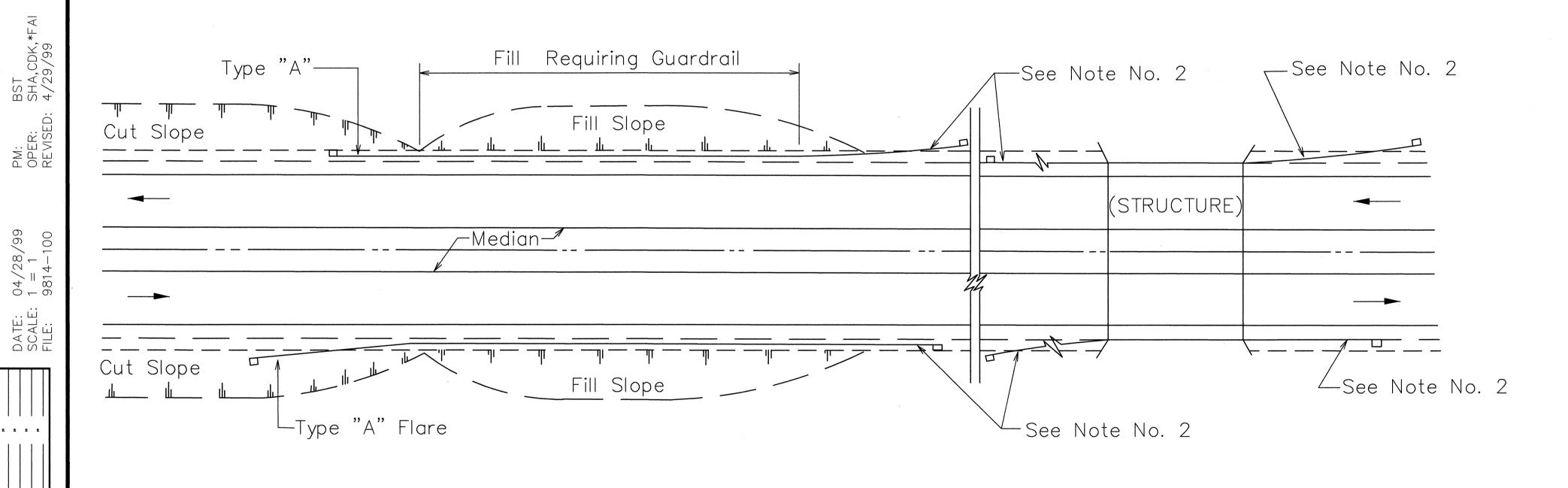




TWO WAY ROADWAY

NOTES:

- 1. Metal Guardrail connection to concrete structures requires End Post Connection. See Structure Plans.
- 2. Depending on the existing field conditions, the Engineer shall determine which guardrail end terminal should be installed.
- 3. Refer to State's most current approved Product List for NCHRP 350 approved Guardrail End Terminals.



<u>PLAN</u>

ONE WAY ROADWAY (DIVIDED HIGHWAY)

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GUARDRAIL DETAILS

INTERSTATE ROUTE H-1 RESURFACING

Kunia IC to Waikele Stream Bridge

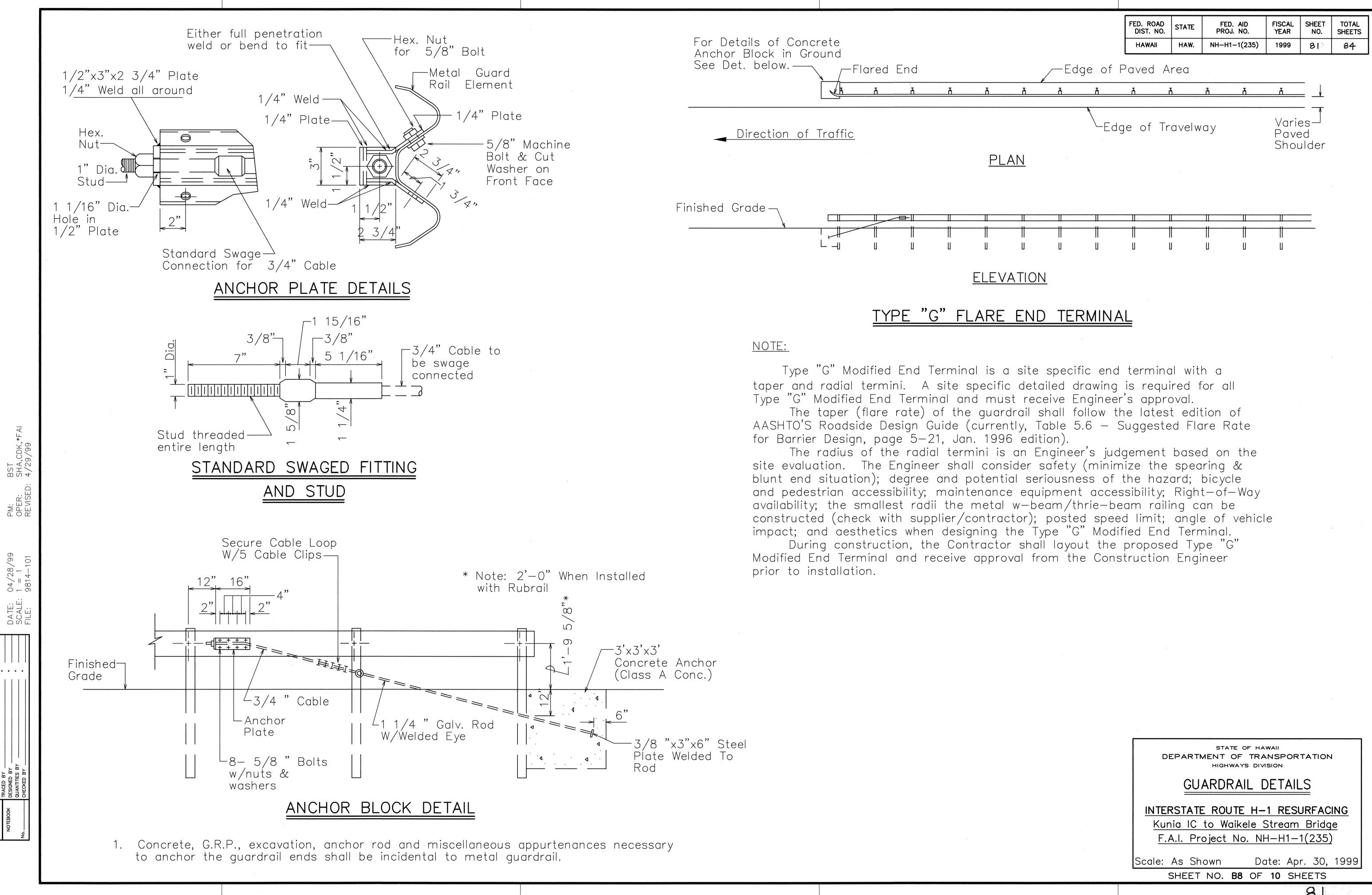
F.A.I. Project No. NH-H1-1(235)

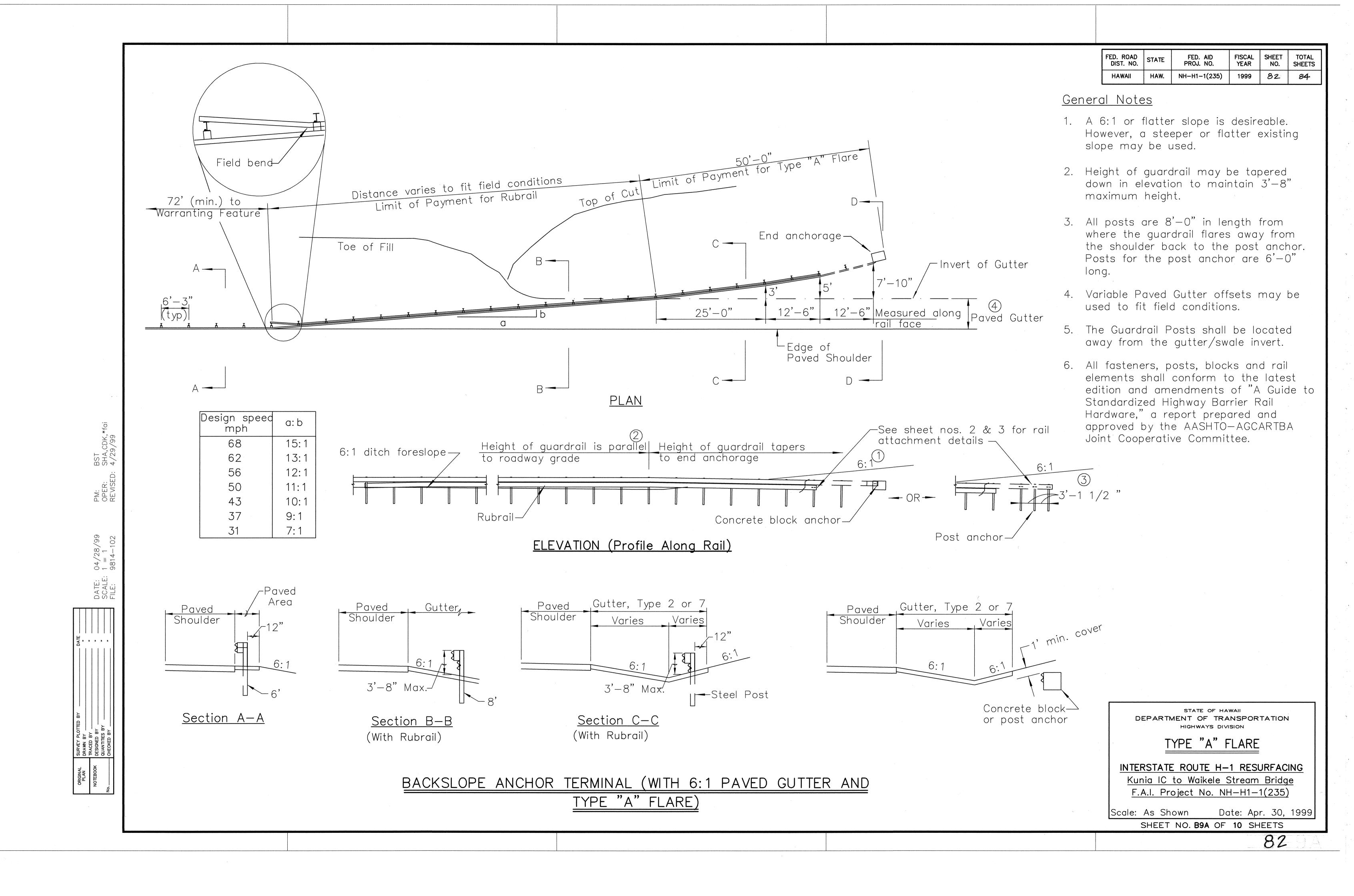
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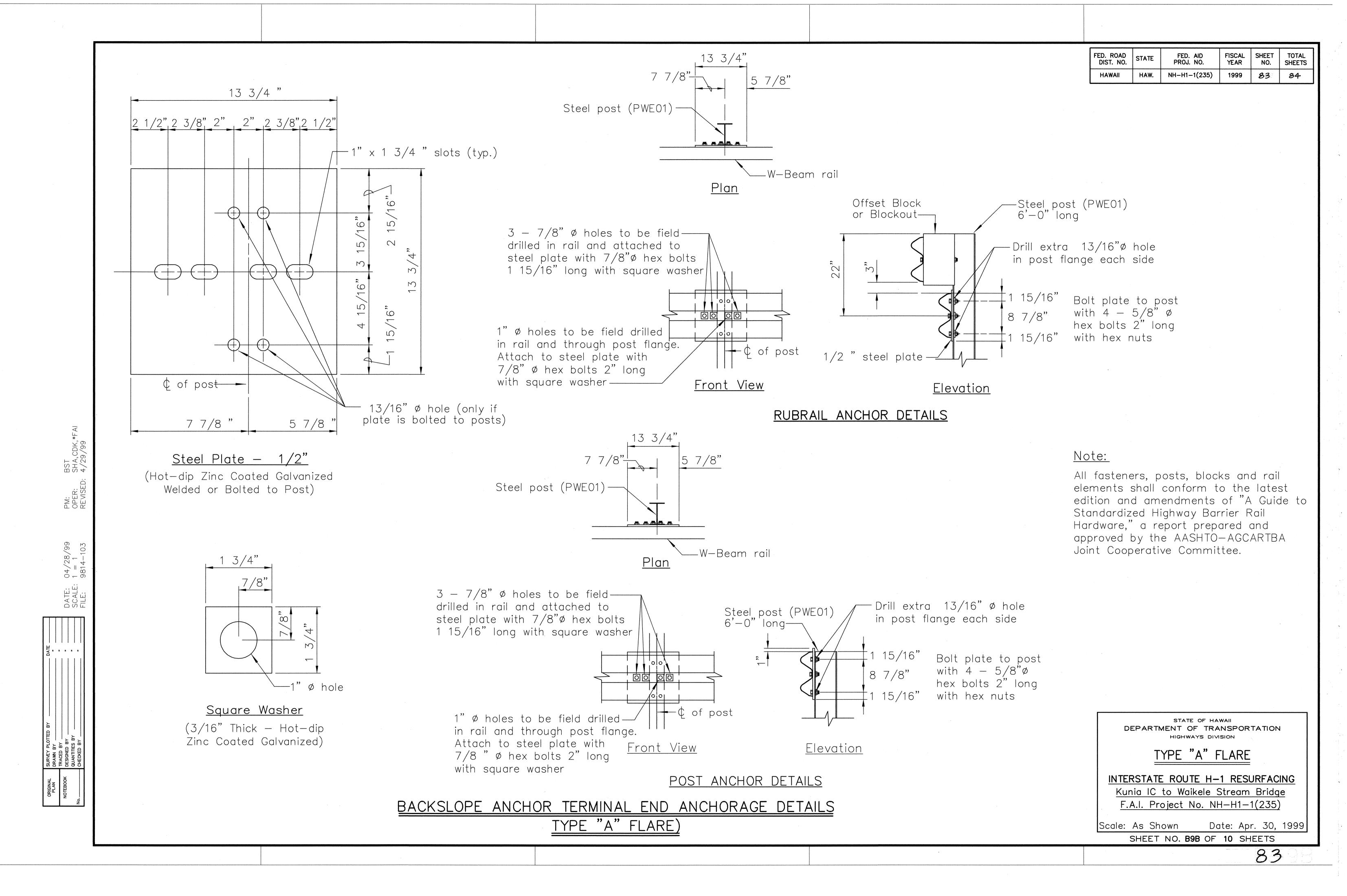
Date: Apr. 30, 1999

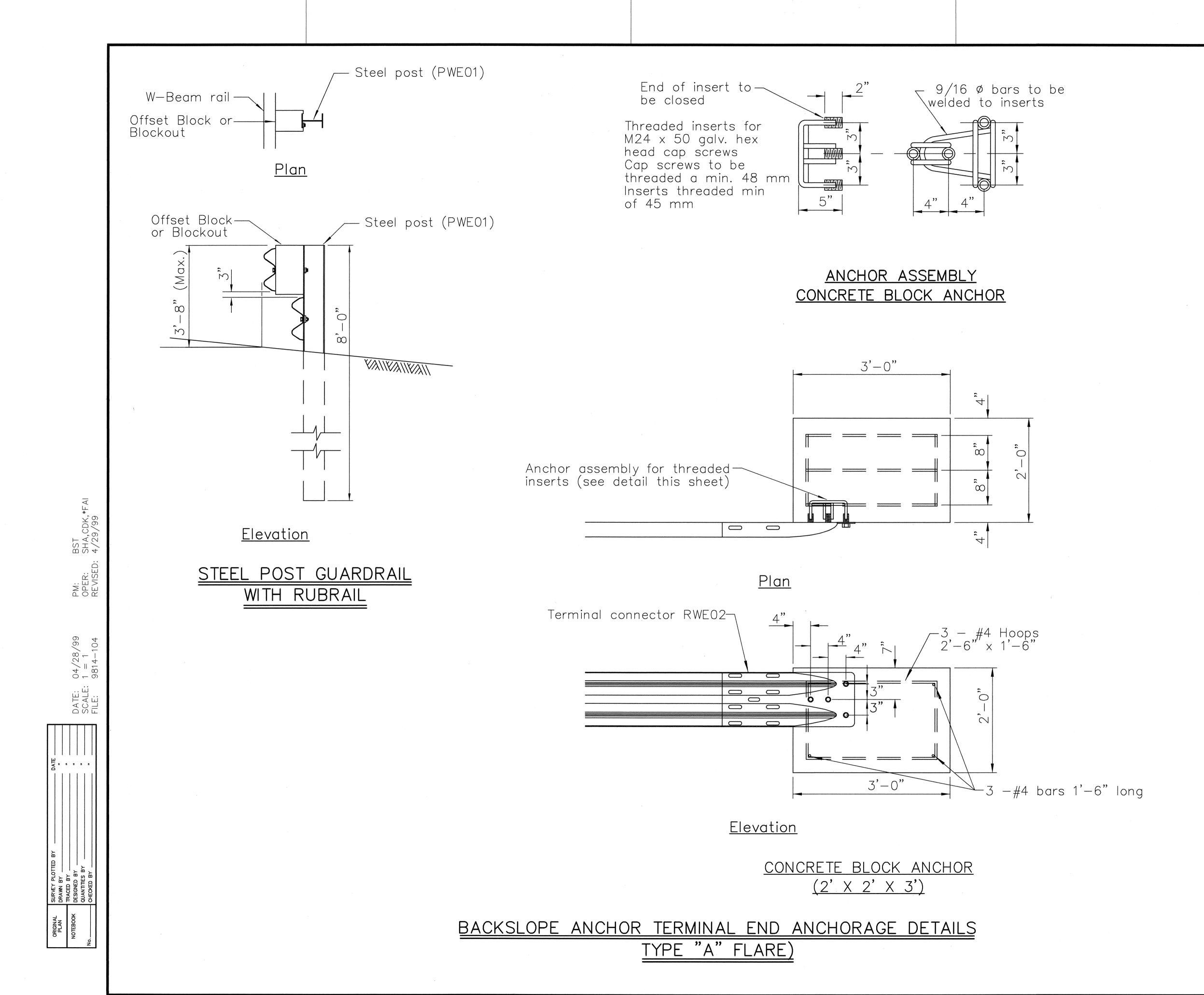
SHEET NO. B7 OF 10 SHEETS

80









FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. NH-H1-1(235) 1999 84 84

<u>Note:</u>

All fasteners, posts, blocks and rail elements 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—AGCARTBA Joint Cooperative Committee.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TYPE "A" FLARE

INTERSTATE ROUTE H-1 RESURFACING Kunia IC to Waikele Stream Bridge

F.A.I. Project No. NH-H1-1(235)

Scale: As Shown

Date: Apr. 30, 1999

SHEET NO. B9C OF 10 SHEETS