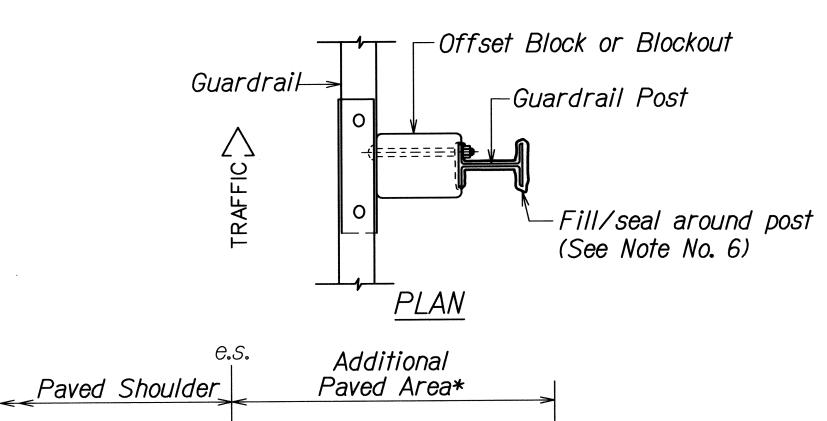
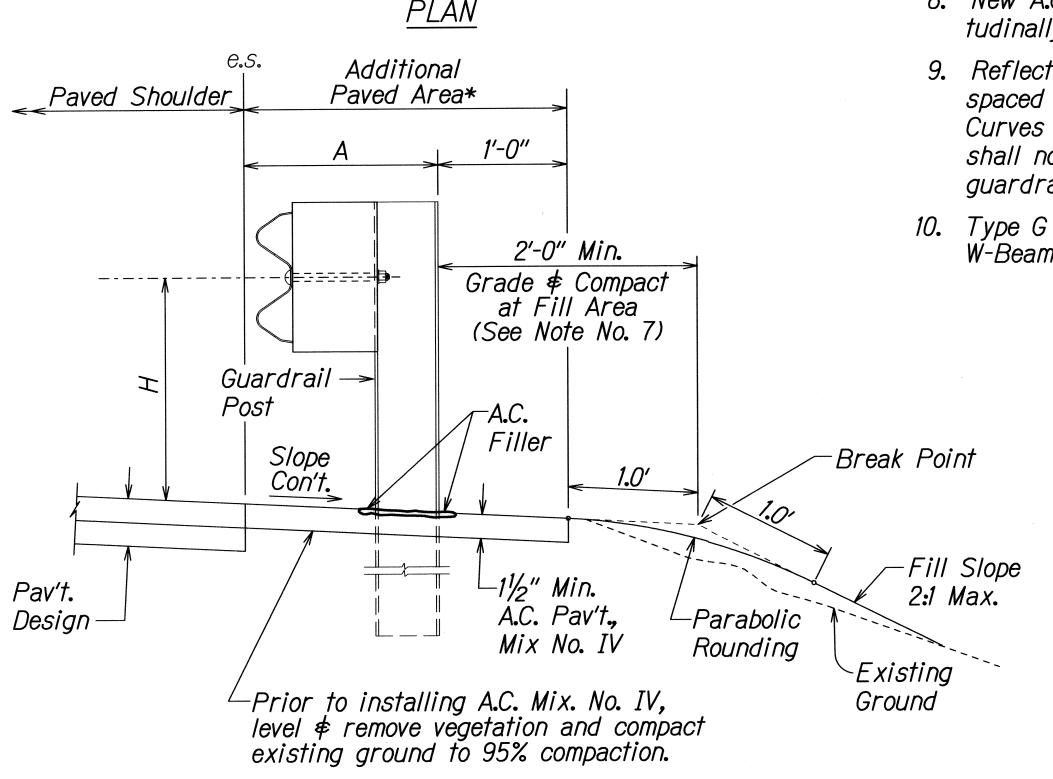


RECYCLED POLYETHYLENE OFFSET BLOCK (TYPE II)





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.

FED. ROAD DIST. NO.

STATE

FED. AID PROJ. NO.

HAW. STP-0900(076) 2012

FISCAL SHEET YEAR 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 quardrail 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. 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. RM-5 on new guardrail shall be incidental to guardrail pay item.
- 10. Type G end terminals shall be paid for under Strong Post W-Beam Guardrail.

GUARDRAIL TYPE	DIMENSION	
	Н	Α
Strong Post W-Beam	1'-95/8"	1′-6″
Strong Post Rubrail (W-Beam)	2'-0"	1′-6″
Modified or Strong Post Thrie Beam	2'-0"	2'-0"

STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS \$ NOTES

GUARDRAIL & SHOULDER IMPROVEMENT At Various Locations, Molokai Federal-Aid Project No. STP-0900(076)

Scale: NTS

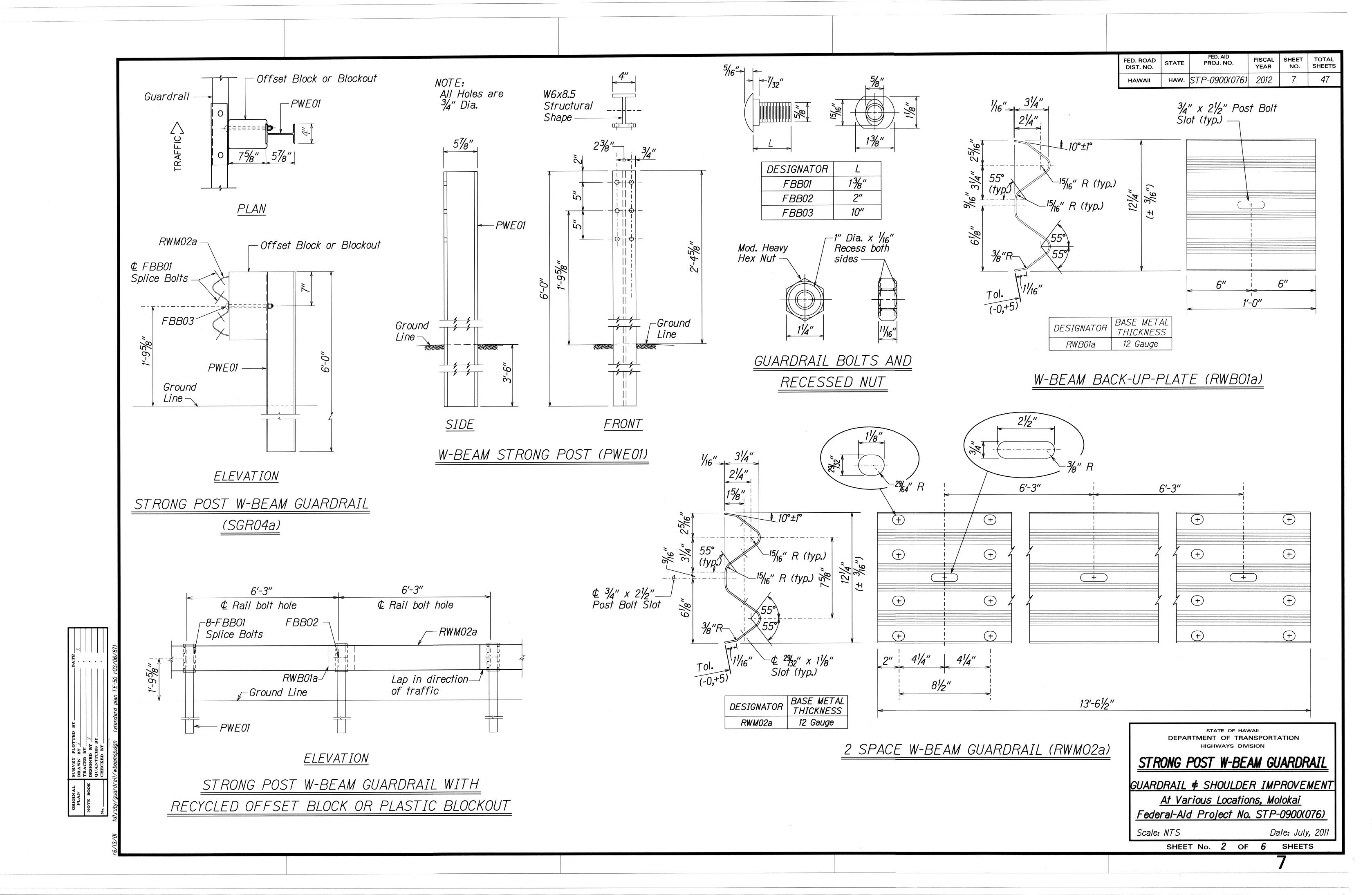
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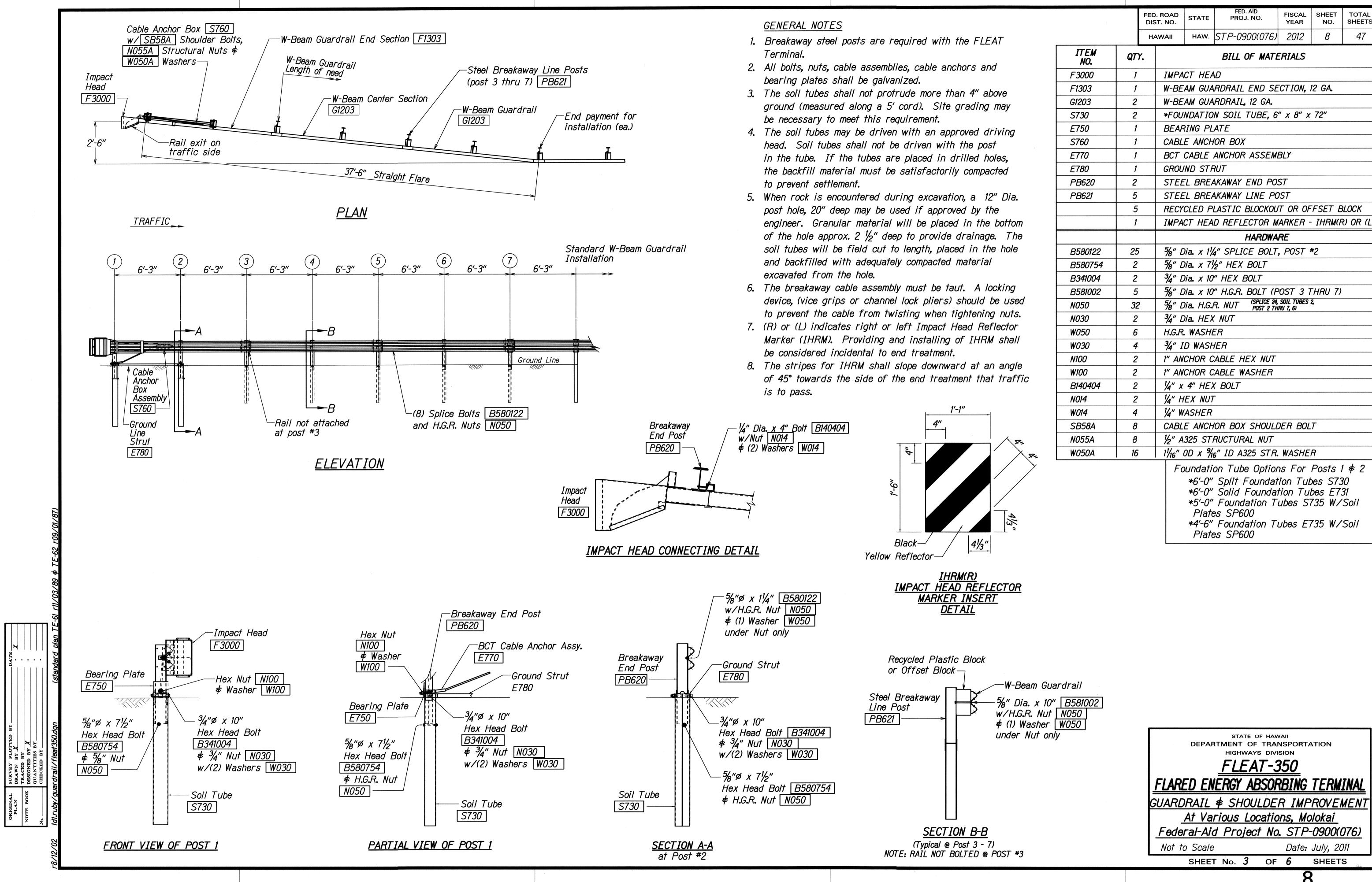
SHEETS OF **6** SHEET No. 1

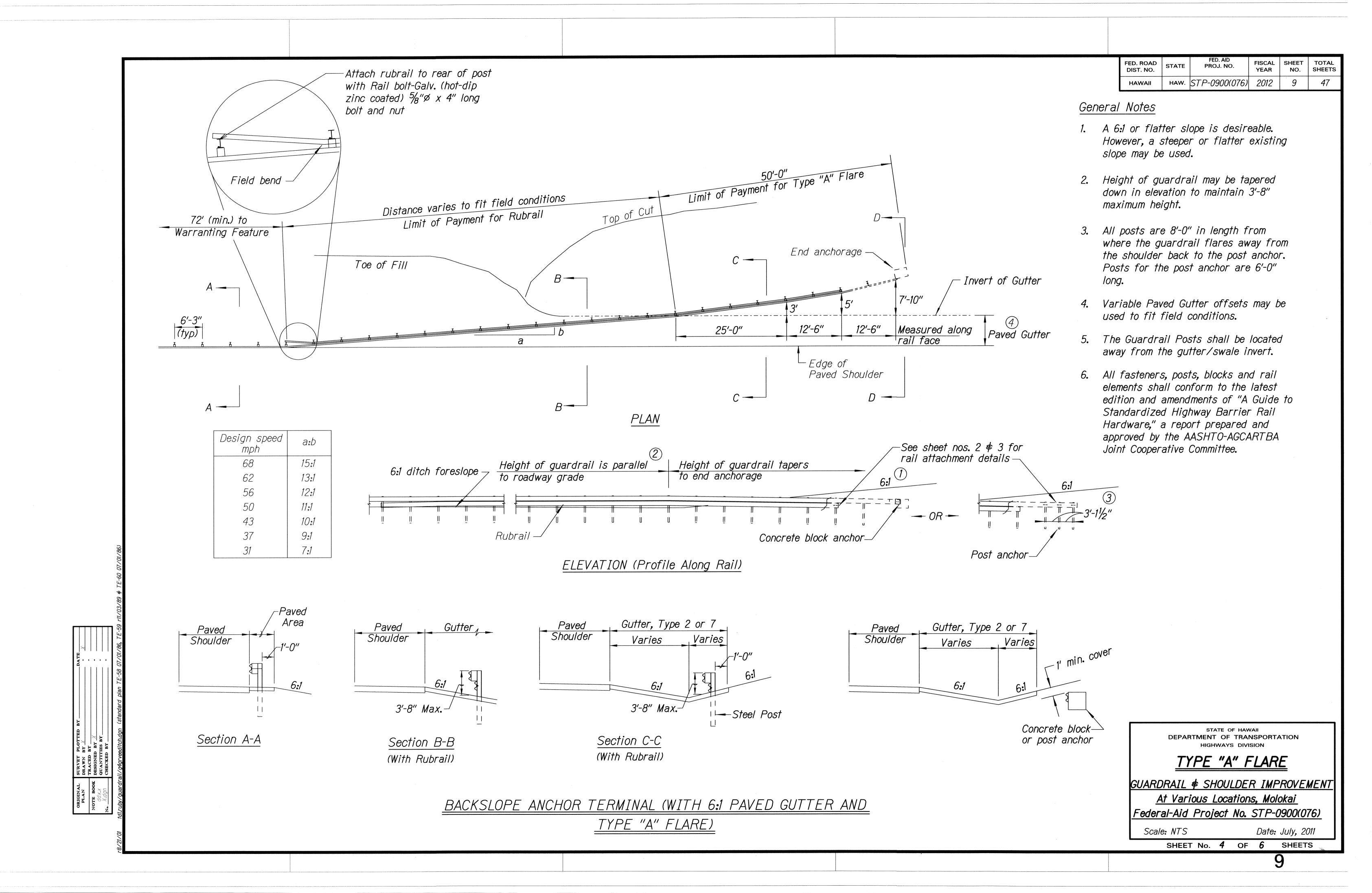
SURVEY PLOTTE
DRAWN BY X
TRACED BY
DESIGNED BY X
QUANTITIES BY REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION

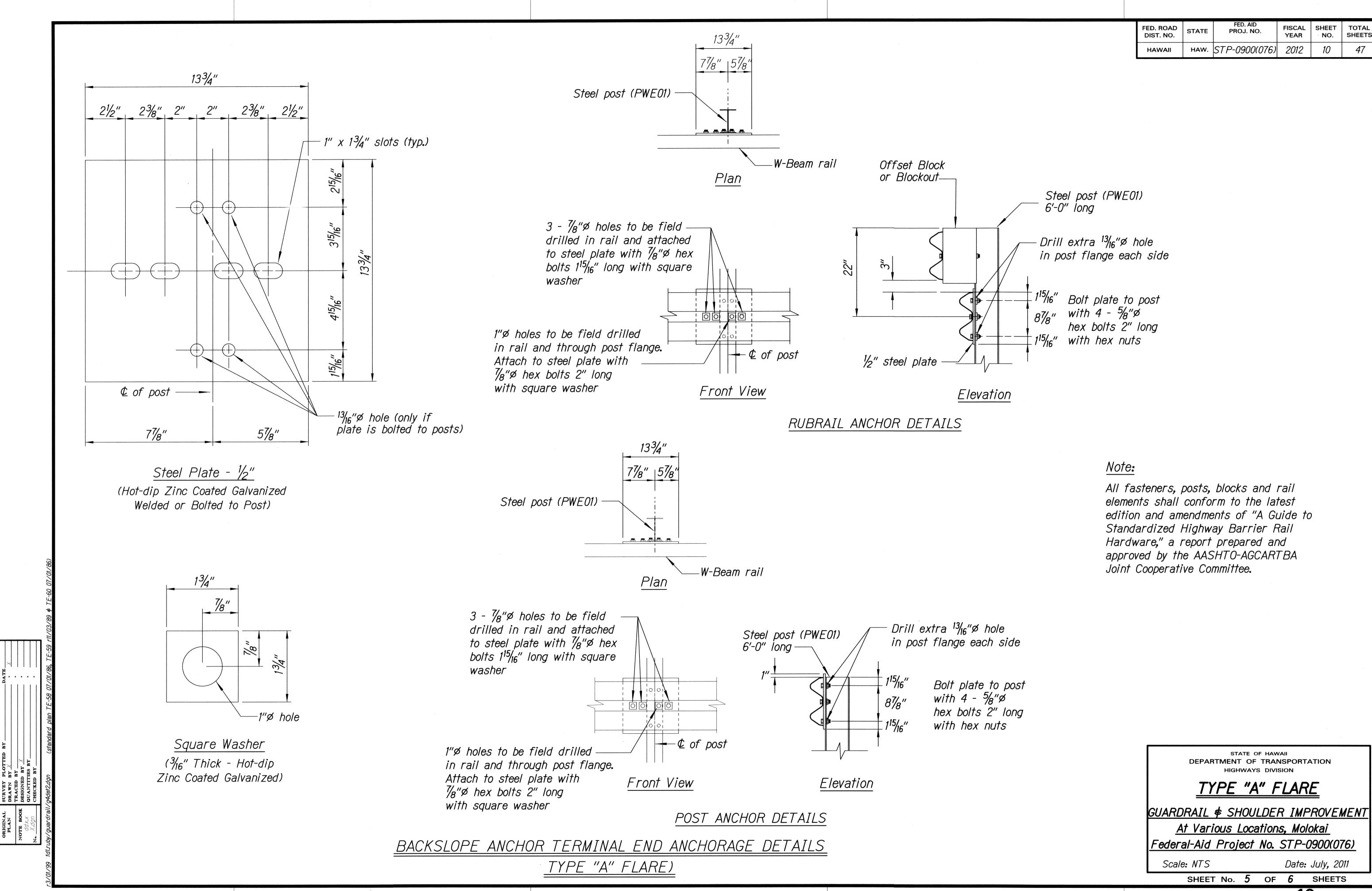
TYPICAL GUARDRAIL INSTALLATION

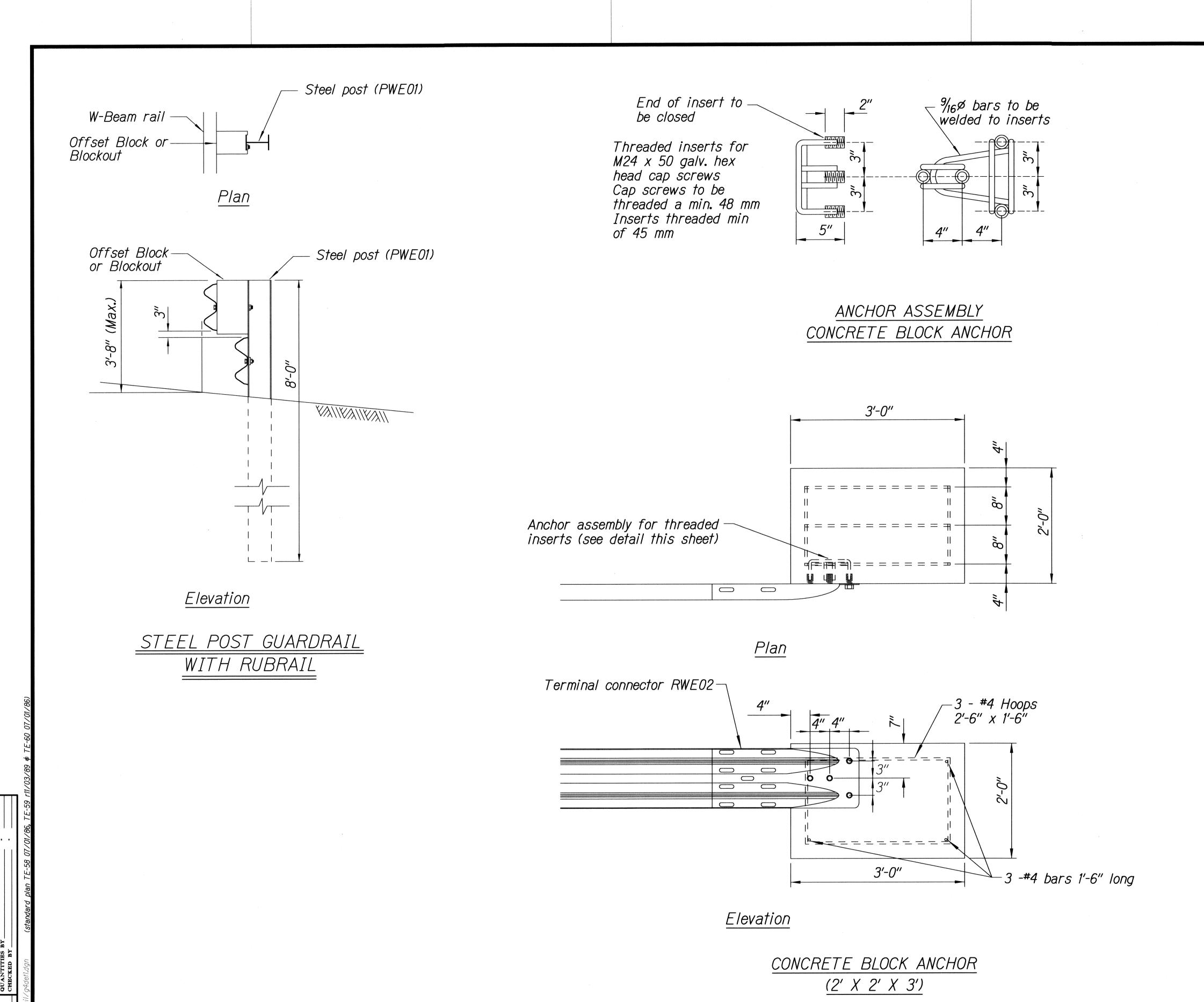
ELEVATION











BACKSLOPE ANCHOR TERMINAL END ANCHORAGE DETAILS

TYPE "A" FLARE)

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

HAWAII HAW. STP-0900(076) 2012 11 47

Note:

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

GUARDRAIL ♦ SHOULDER IMPROVEMENT

At Various Locations, Molokai

Federal-Aid Project No. STP-0900(076)

Scale: NTS

Date: July, 2011

SHEET No. 6 OF 6 SHEETS

11