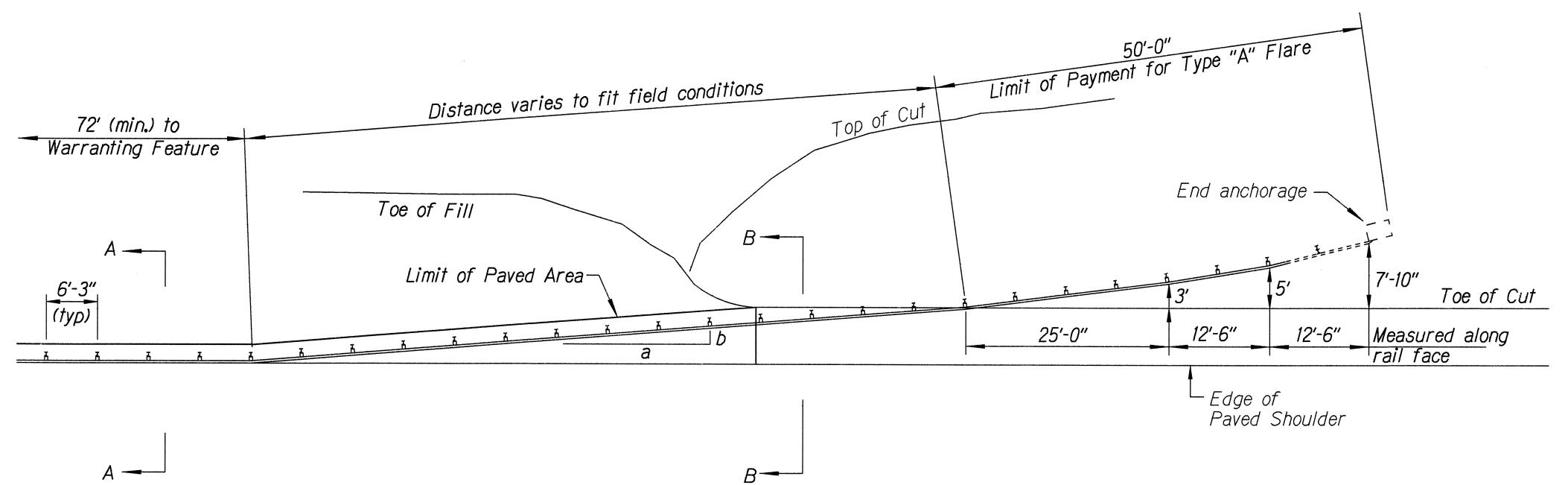
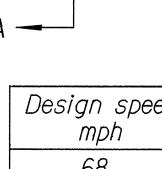


General Notes

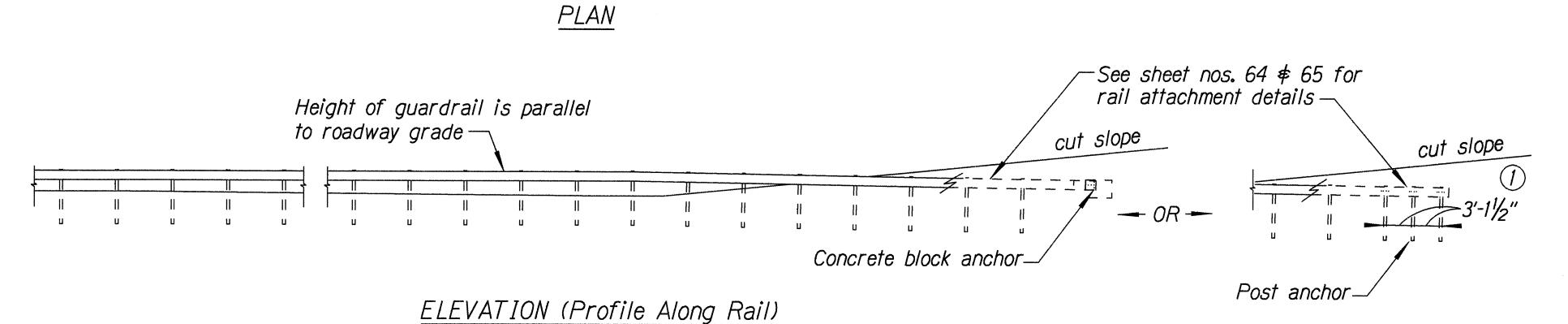
- 1. All posts from where the guardrail flares away from the shoulder back to the post anchor are 8'-0" in length.

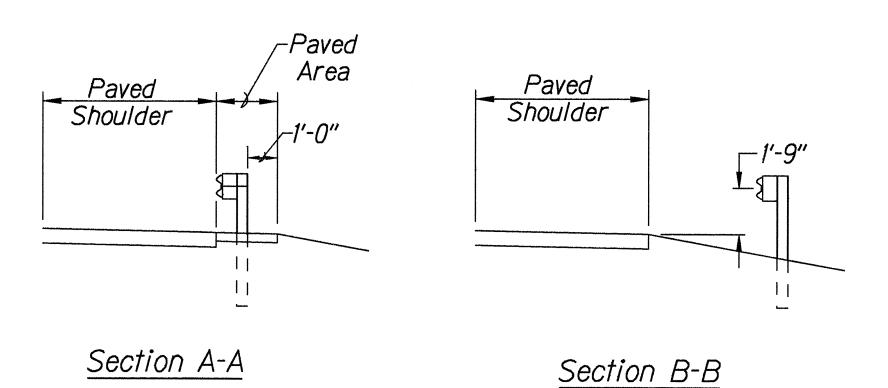
 Posts for the post anchor are 6'-0" long.
- 2. All fasteners, posts, blocks and rail elements shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGCARTBA Joint Cooperative Committee.
- 3. Concrete block or post anchor shall be buried with a minimum one foot of cover.





Design speed mph	a:b
68	15:1
62	13:1
56	12:1
50	11:1
43	10:1
37	9:1
31	7:1





BACKSLOPE ANCHOR TERMINAL

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

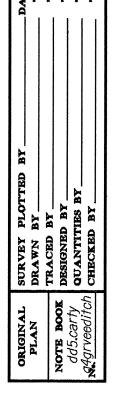
TYPE "A" FLARE

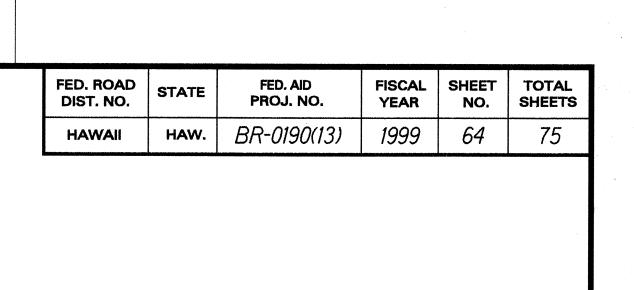
HAWAII BELT ROAD
Replacement of Auwaiakeakua
and Popoo Bridges
Federal Aid Proj. No. BR-0190(13)

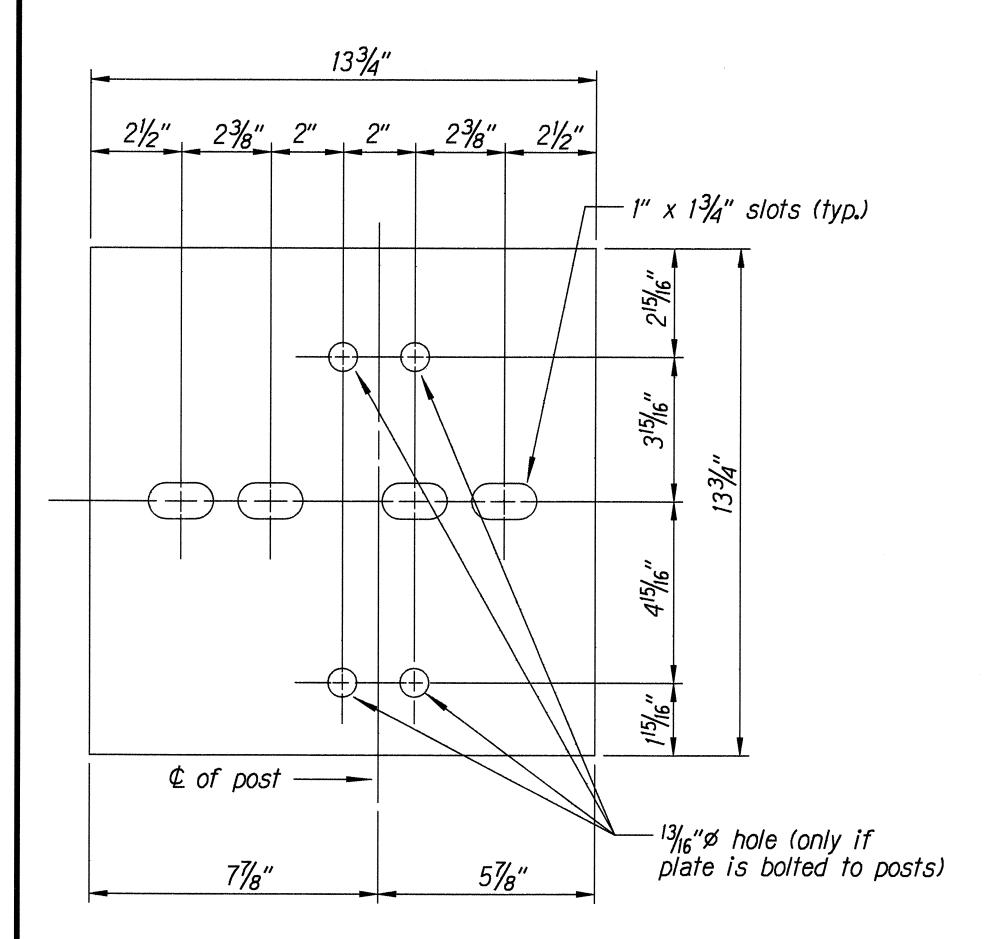
Scale: NTS

Date: March 1999

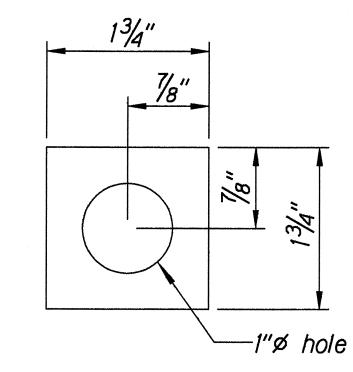
SHEET No. 1 OF 3 SHEETS







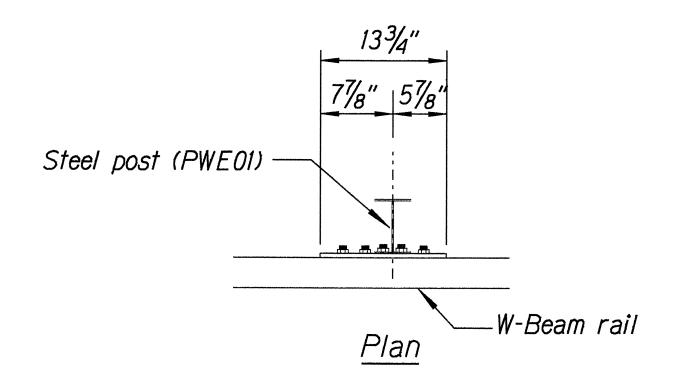
Steel Plate - 1/2"
(Hot-dip Zinc Coated Galvanized Welded or Bolted to Post)

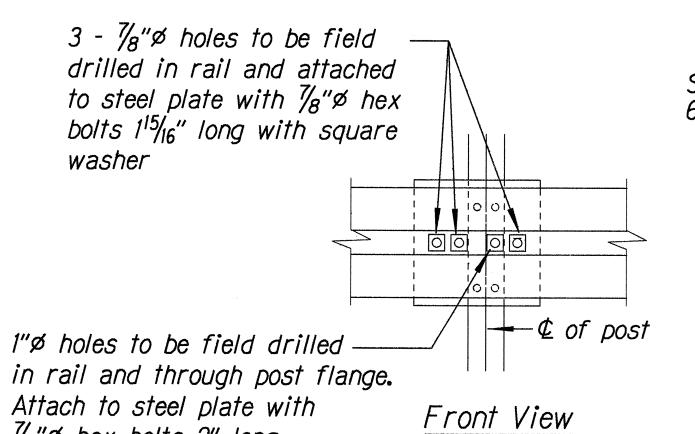


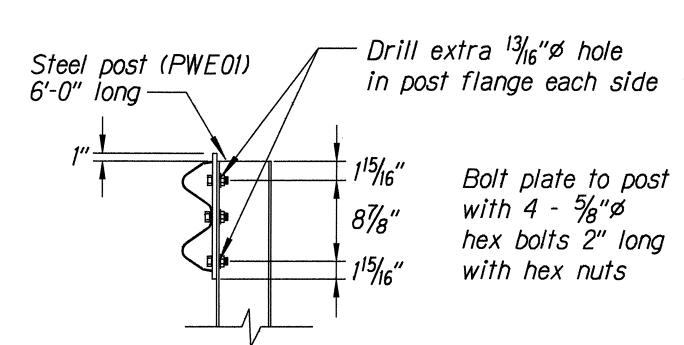
Square Washer

(3/16" Thick - Hot-dip

Zinc Coated Galvanized)







Elevation

POST ANCHOR DETAILS

BACKSLOPE ANCHOR TERMINAL END ANCHORAGE DETAILS

7/8"ø hex bolts 2" long

with square washer

TYPE "A" FLARE)

<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

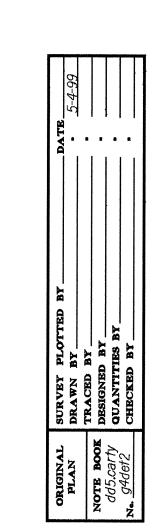
HAWAII BELT ROAD
Replacement of Auwaiakeakua
and Popoo Bridges
Federal Aid Proj. No. BR-0190(13)

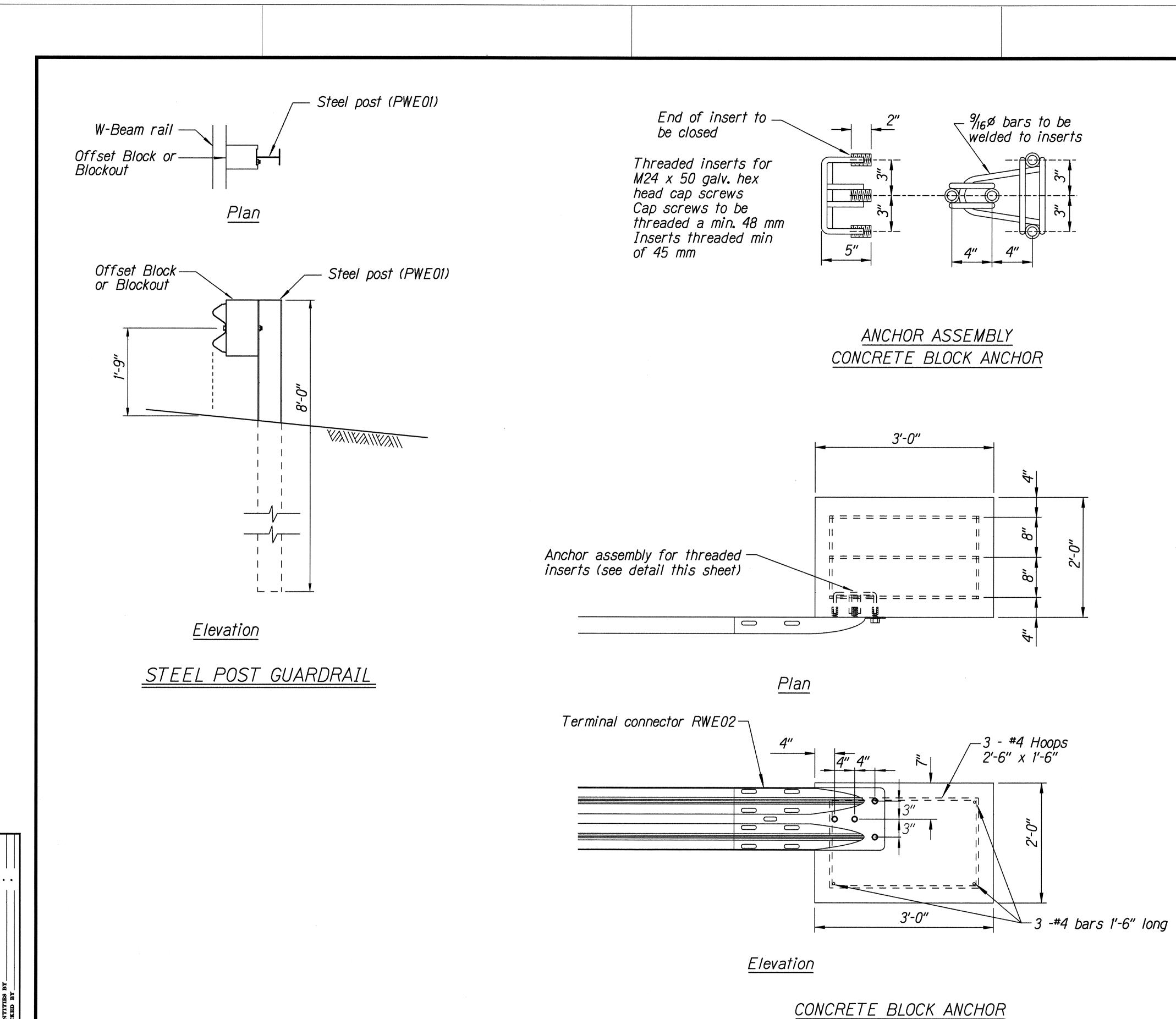
Scale: NTS

Date: March 1999

SHEET No. 2 OF 3 SHEETS

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(2' X 2' X 3')

BACKSLOPE ANCHOR TERMINAL END ANCHORAGE DETAILS

TYPE "A" FLARE)

FED. ROAD DIST. NO. FED. AID PROJ. NO. FISCAL SHEET YEAR NO. 1999 BR-0190(13) 65

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

HAWAII BELT ROAD
Replacement of Auwaiakeakua
and Popoo Bridges
Federal Aid Proj. No. BR-0190(13)

Scale: NTS

Date: March 1999

SHEET No. 3 OF 3 SHEETS

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