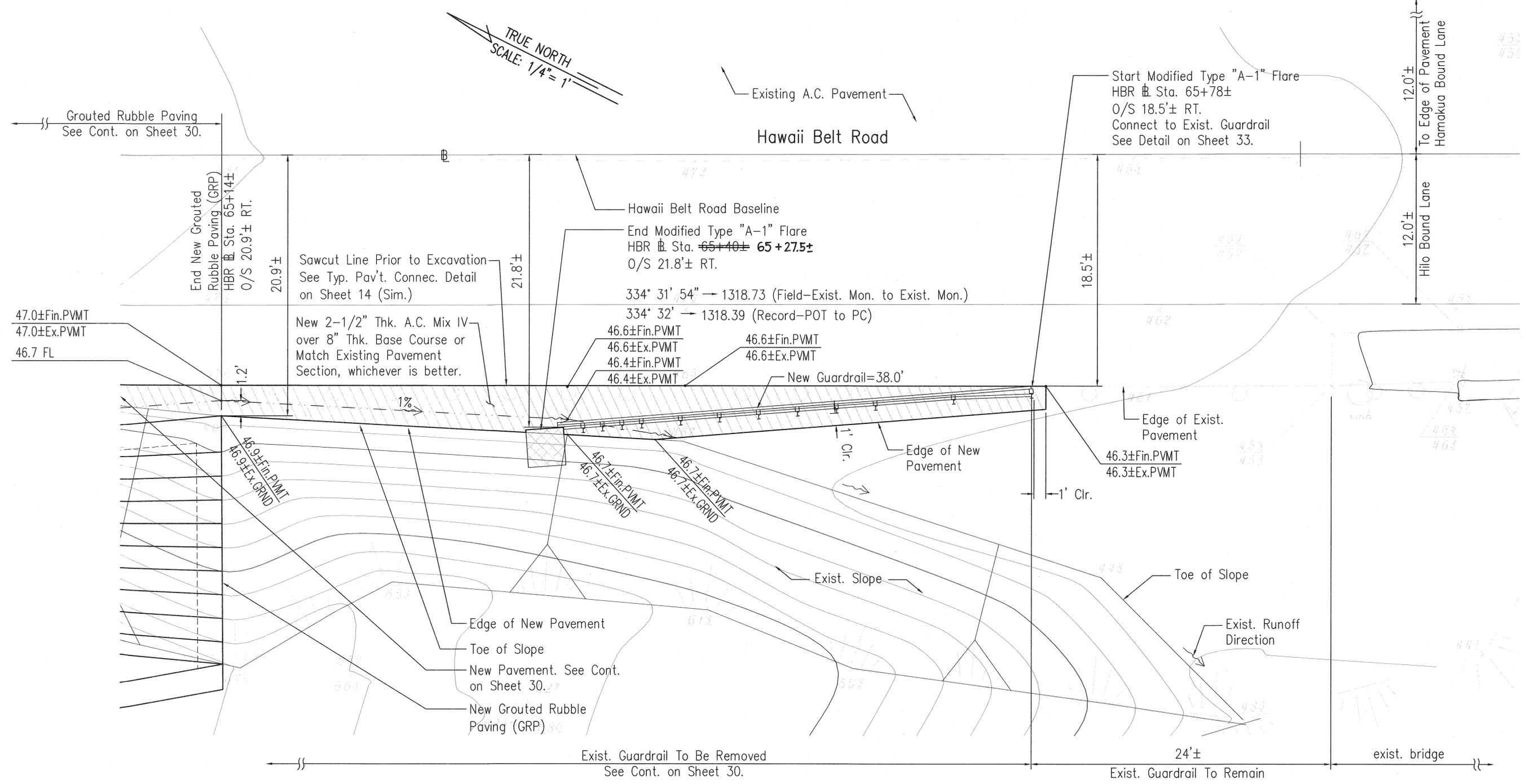


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(50)	2006	32	43



PM: OPER. REVIS.:

DATE: SCALE: FILE:

SURVEY PLOTTED BY: _____

DRAWN BY: _____

TRACED BY: _____

QUANTITIES BY: _____

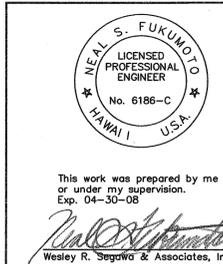
CHECKED BY: _____

ORIGINAL PLAN: _____

NOTEBOOK: _____

No. _____

MODIFIED TYPE "A-1" FLARE PLAN
Scale: 1/4"=1'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

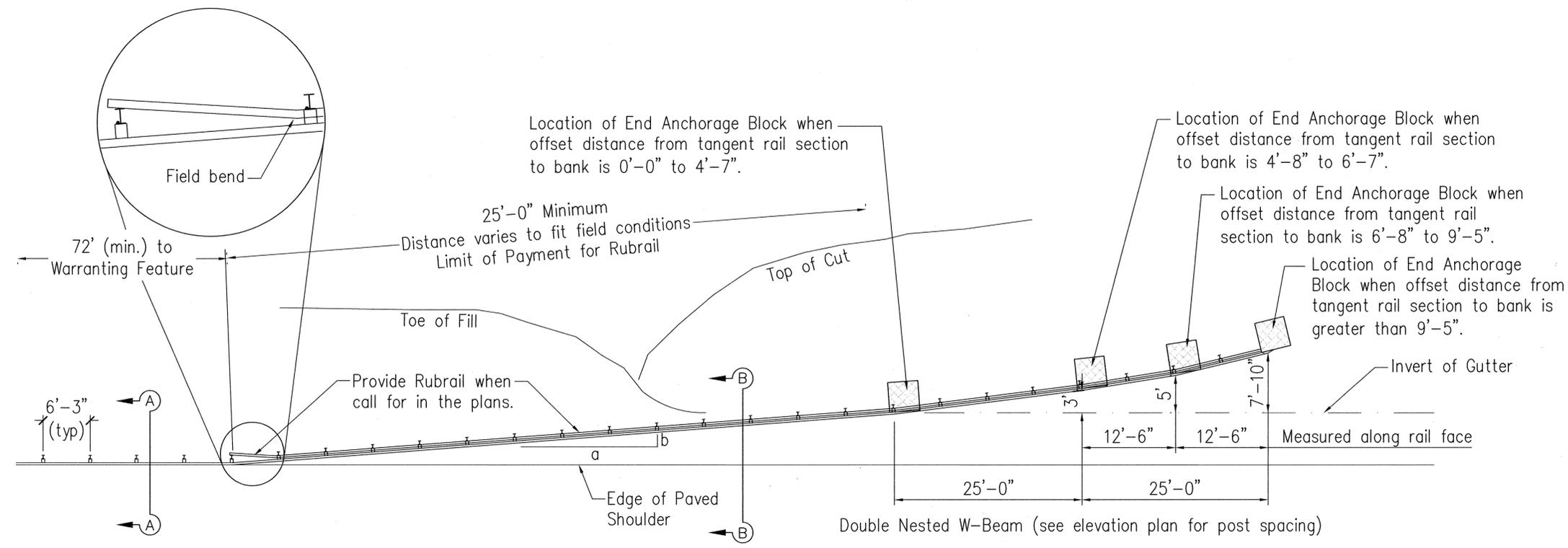
MODIFIED TYPE "A-1" FLARE

REMOVAL OF HALAULANI BRIDGE
Hawaii Belt Road
Federal Aid Project No. BR-019-2(50)

Scale: AS NOTED Date: July, 2006

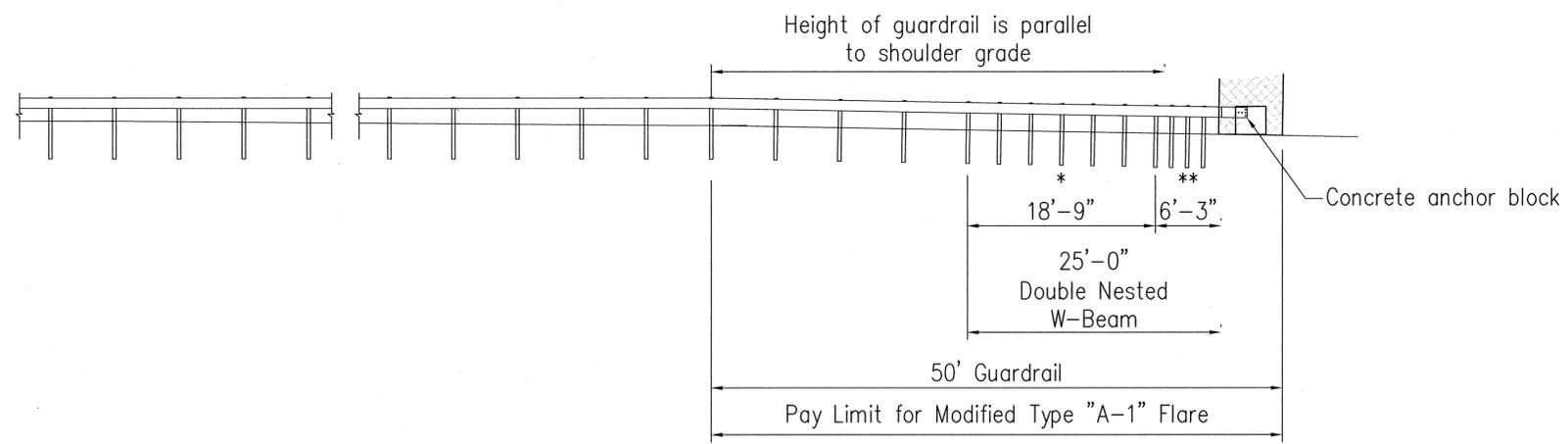
SHEET NO. J1 OF 3 SHEETS

"AS-BUILT"

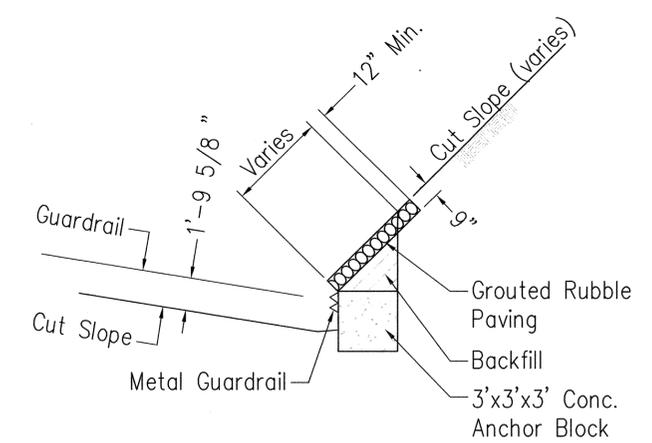


PLAN

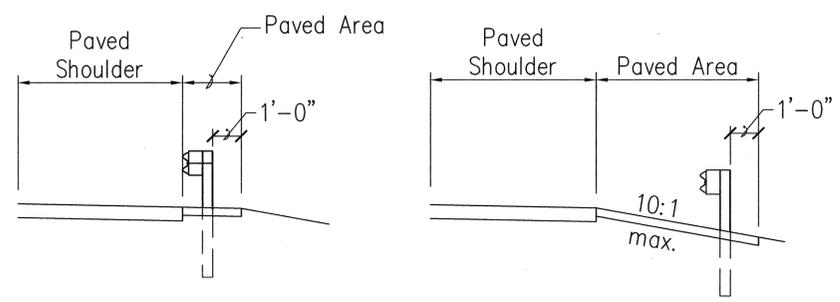
Design speed mph	a:b
68	15:1
62	13:1
56	12:1
50	11:1
43	10:1
37	9:1
31	7:1



ELEVATION (Profile Along Rail)

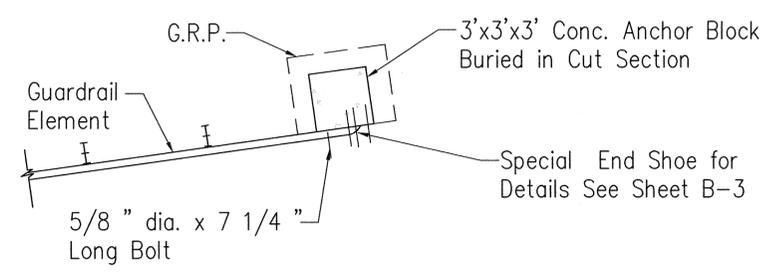


ANCHOR BLOCK IN CUT SECTION



Section A-A

Section B-B



PLAN - ANCHOR BLOCK IN CUT SECTION

GENERAL NOTES

- All posts are 8'-0" in length with pre-drilled holes for rubrails within the 50'-0" pay limit for the Modified Type "A-1" Flare.
- 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.
- Limit of payment for Modified Type "A-1" Flare shall be 50'-0" from End Shoe including Anchor Block and GRP work.
- Excavation, Anchor Block, Backfill and GRP work shall be considered incidental to the Modified Type "A-1" Flare.

PM: _____
 OPER: _____
 REVISD: _____

DATE: _____
 SCALE: _____
 FILE: _____

SURVEY PLOTTED BY: _____
 DRAWN BY: _____
 TRACED BY: _____
 DESIGNED BY: _____
 QUANTITIES BY: _____
 CHECKED BY: _____

ORIGINAL PLAN _____
 NO. _____

NEAL S. FUKUNOTO
 LICENSED PROFESSIONAL ENGINEER
 No. 6186-C
 HAWAII U.S.A.

This work was prepared by me or under my supervision.
 Exp. 04-30-08

Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
MODIFIED TYPE "A-1" FLARE
DETAILS

REMOVAL OF HALAULANI BRIDGE
 Hawaii Belt Road
 Federal Aid Project No. BR-019-2(50)

Scale: AS NOTED Date: July, 2006

