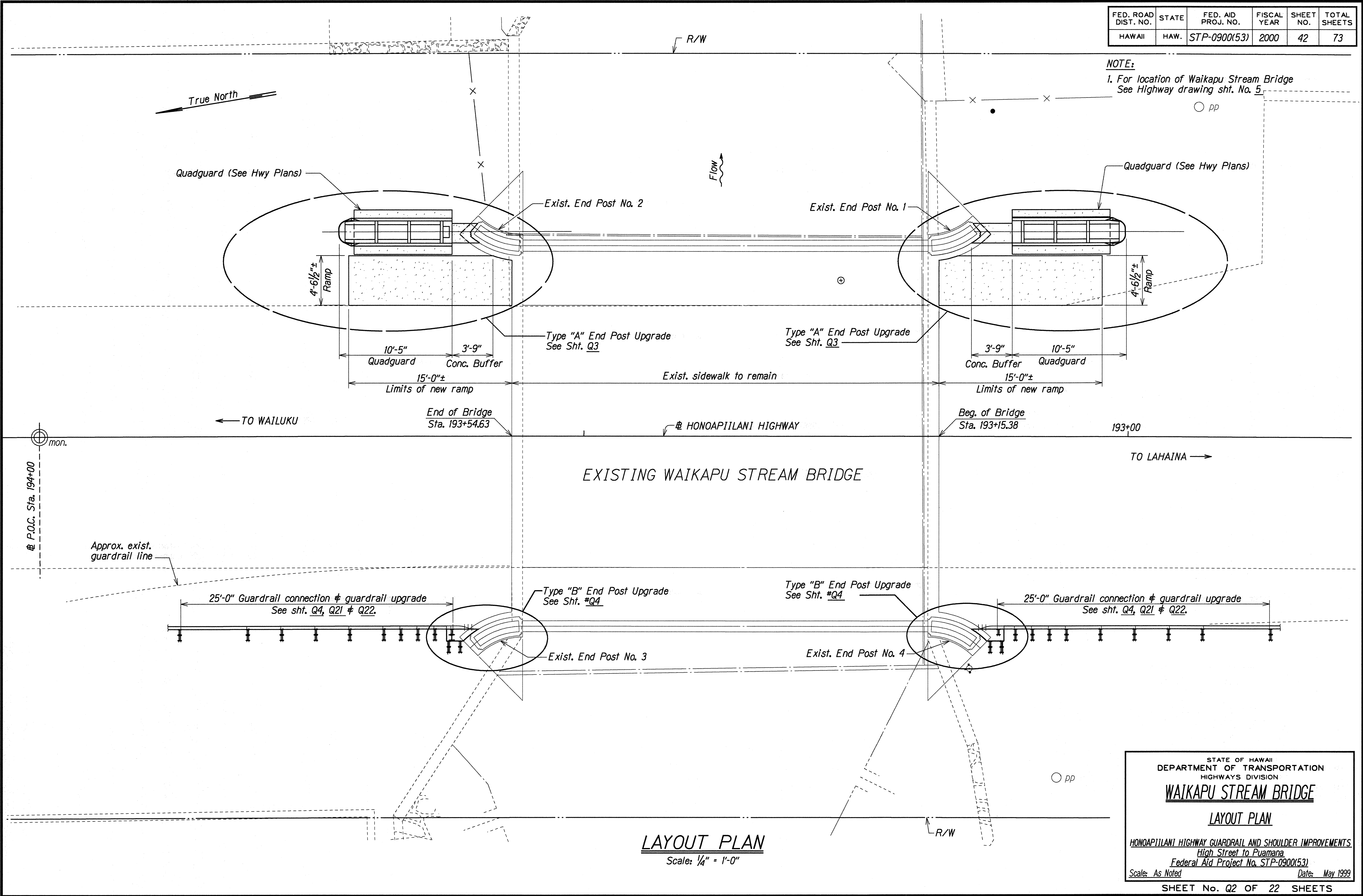


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0900(53)	2000	42	73

NOTE:
1. For location of Waikapu Stream Bridge
See Highway drawing shft. No. 5.



ORIGINAL PLAN	DATE
PLANNED BY	MAY 1999
DRAWN BY	LMA
CHECKED BY	ST
NOTED BY	ST
QUANTITIES BY	ST
CHECKED BY	DCO
DATE	MAY 1999

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIKAPU STREAM BRIDGE

LAYOUT PLAN

HONOAPIILANI HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
High Street to Puamana
Federal Aid Project No. STP-0900(53)
Scale: As Noted Date: May 1999

Unit length = 10'-1"

Effective length = 8'-8"

Conc. pad - 4,000 psi
(See manufacturer's drawings.)

4'-0"

4"

See Note 1

See Concrete Buffer Details

1'-9"

9'-0"

Quadguard (Pad length)

3'-9"

Conc. buffer
See details this sheet

Match exist. grade

Match exist. sidewalk

4'-6 1/2" ±

Front face of sidewalk

15'-0"

New conc. ramp

NOTE-

Top of conc. buffer

Match exist. sidewalk

Exist. sidewalk

Exist. & fin. rdwy. grade

2'-8 1/8"

10 3/4"

3'-0"

6"

6"

6"

Conc. pad - 4,000 psi
(See manufacturer's drawings.)

15'-0"

Limits of new ramp

4'-0"

9'-0"

Quadguard (Pad length)

C
Q3 | Q3

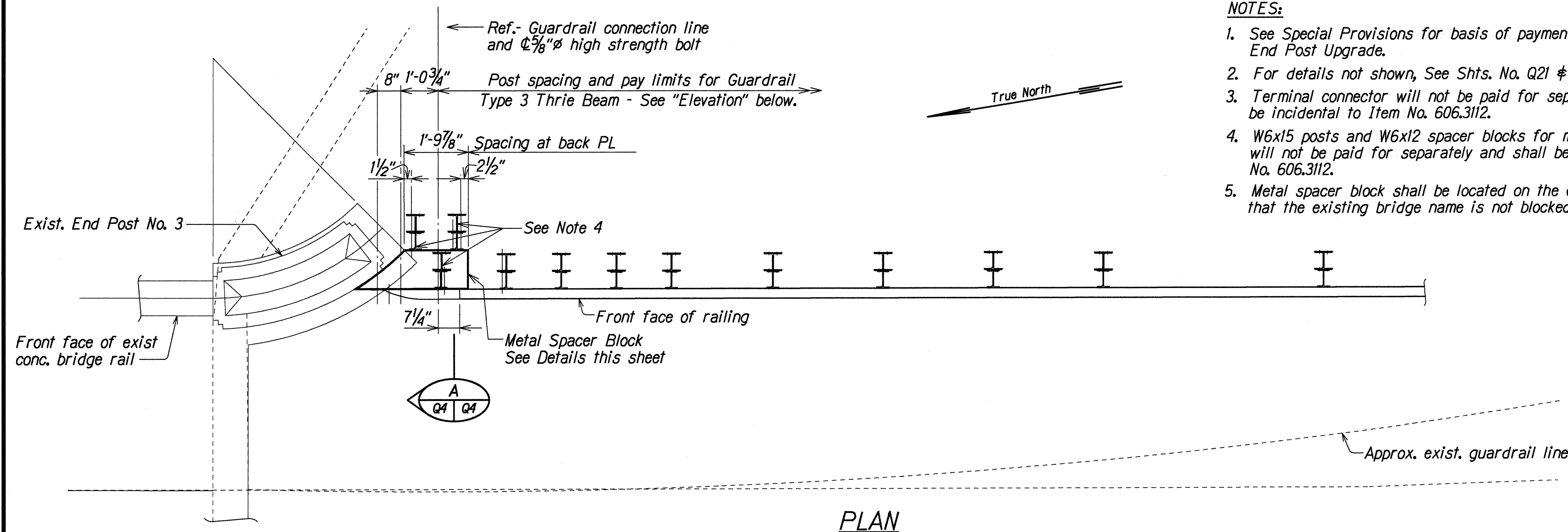
Approve
fin. r

43

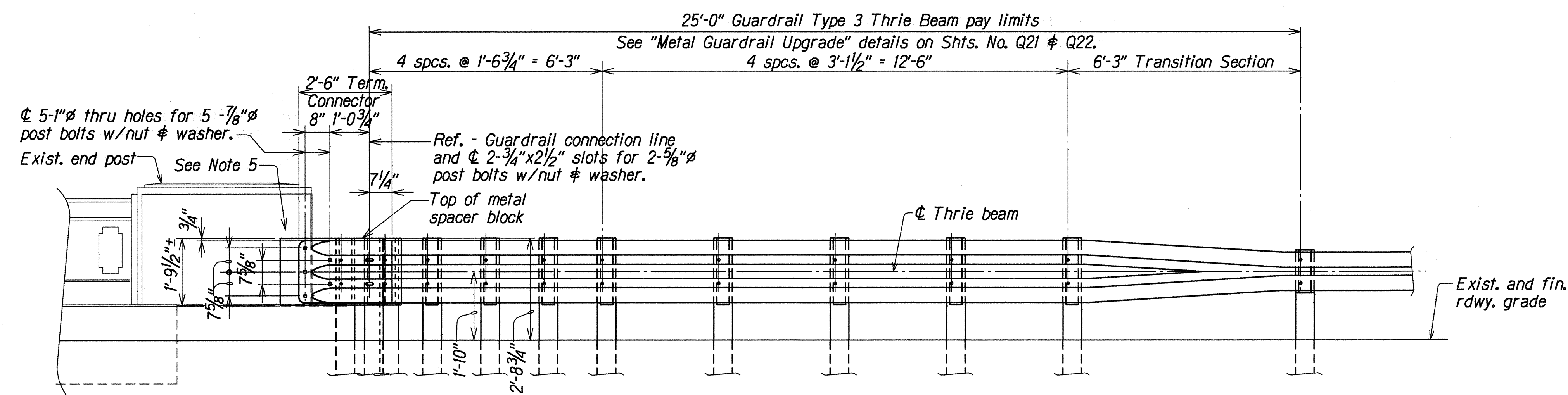
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0900(53)	2000	44	73

NOTES:

1. See Special Provisions for basis of payment for Type "B" End Post Upgrade.
2. For details not shown, See Shts. No. Q21 & Q22.
3. Terminal connector will not be paid for separately and shall be incidental to Item No. 606.3112.
4. W6x15 posts and W6x12 spacer blocks for metal spacer block will not be paid for separately and shall be incidental to Item No. 606.3112.
5. Metal spacer block shall be located on the end post such that the existing bridge name is not blocked from view.



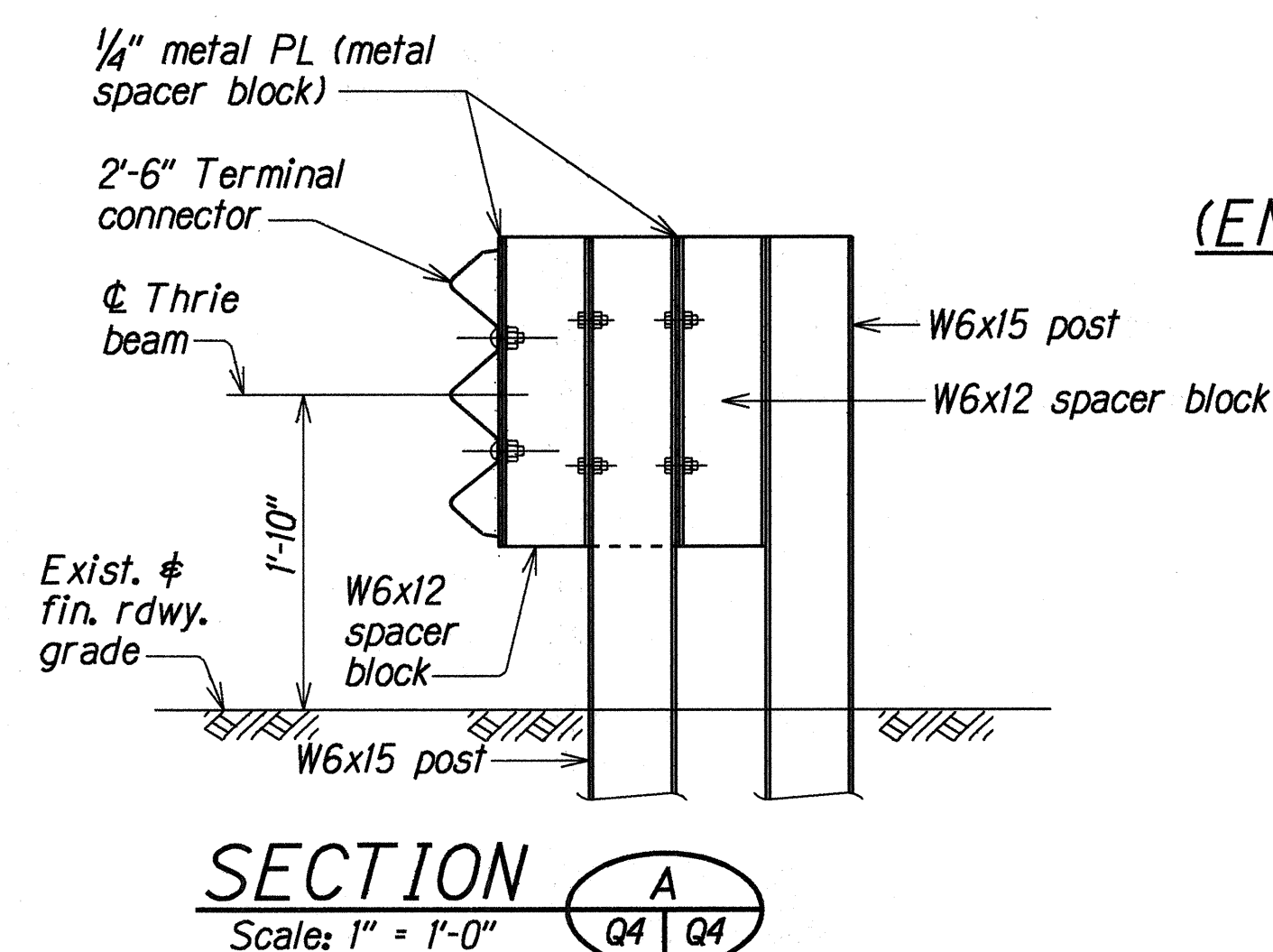
PLAN



ELEVATION

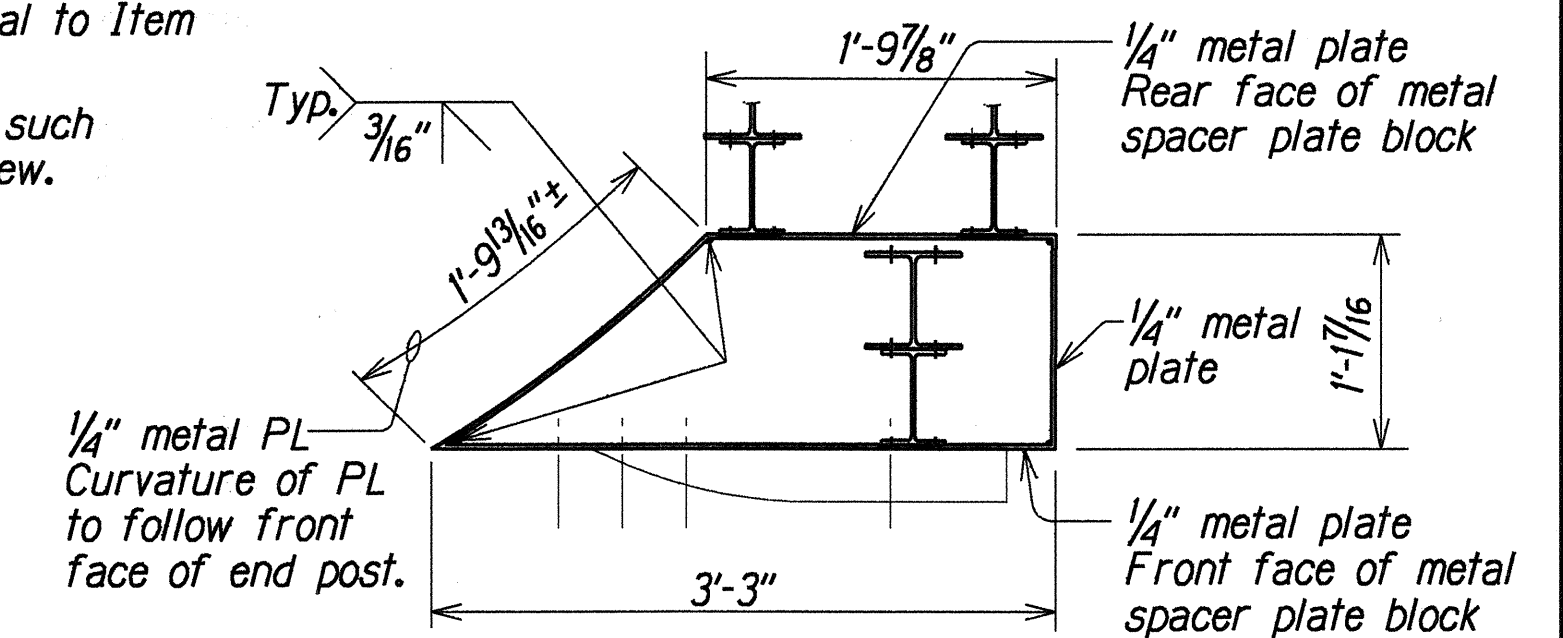
TYPE "B" END POST UPGRADE (END POST NO. 3 - END POST NO. 4 OPPOSITE HAND)

Scale: 1/2"=1'-0"

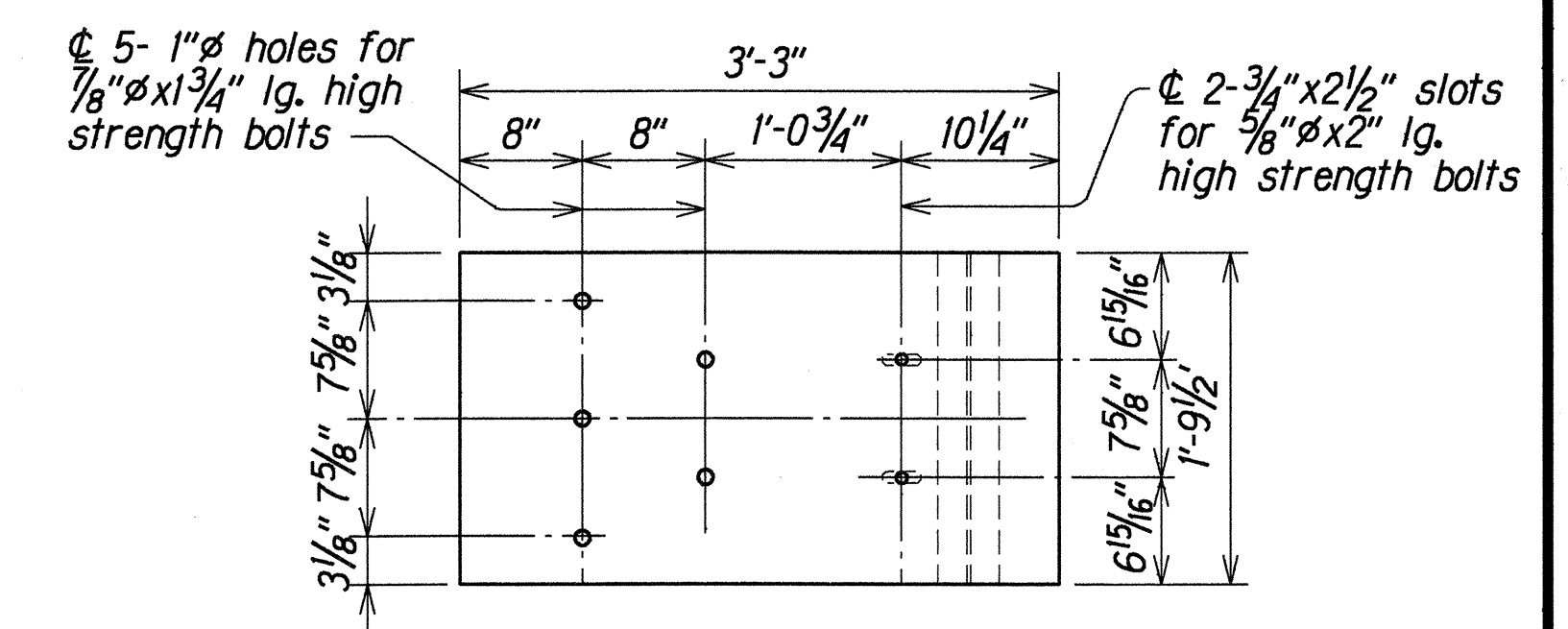


SECTION

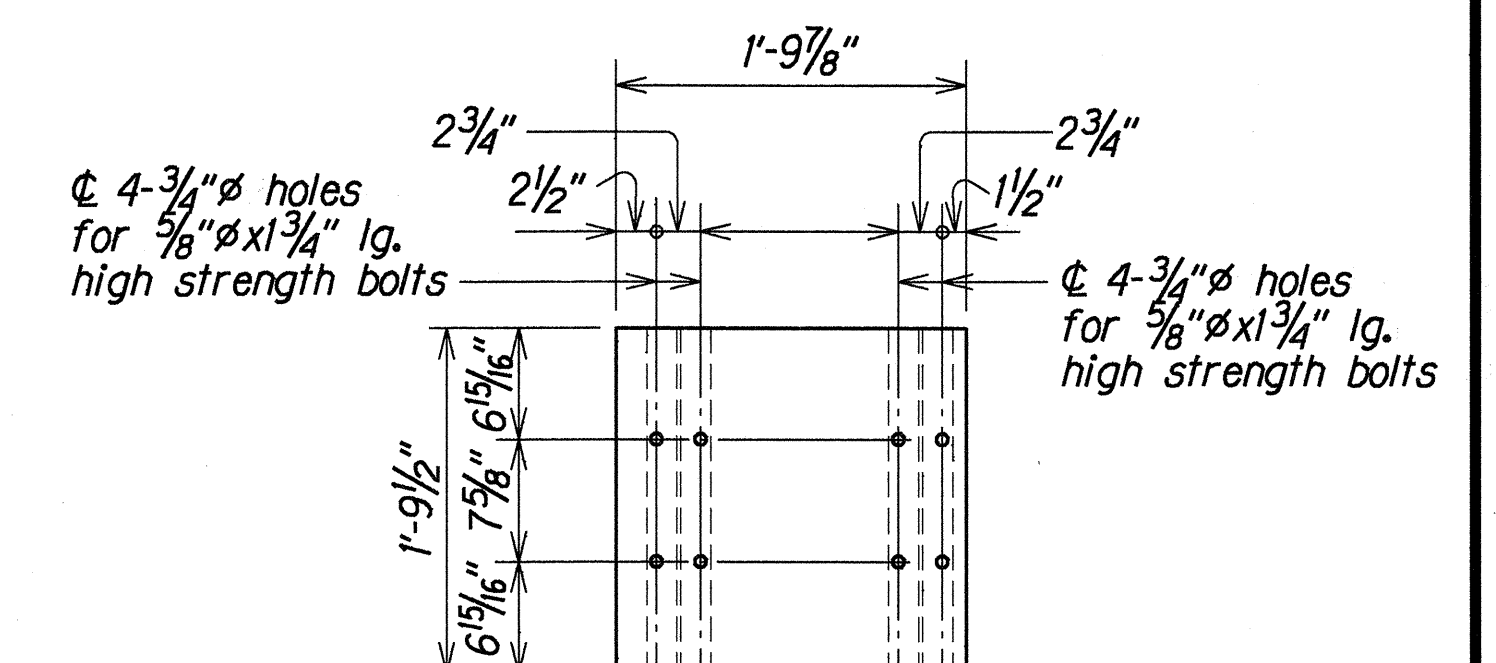
Scale: 1" = 1'-0"



PLAN



FRONT ELEVATION



REAR ELEVATION

METAL SPACER BLOCK DETAILS

Scale: 1" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WAIKAPU STREAM BRIDGE
TYPE "B" END POST UPGRADE AND
SPACER PLATE BLOCK DETAILS & SECTIONS
HONOAHIKANI HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
High Street to Puamano
Federal Aid Project No. STP-0900(53)
Scale: As Noted Date: May 1999
SHEET No. Q4 OF 22 SHEETS