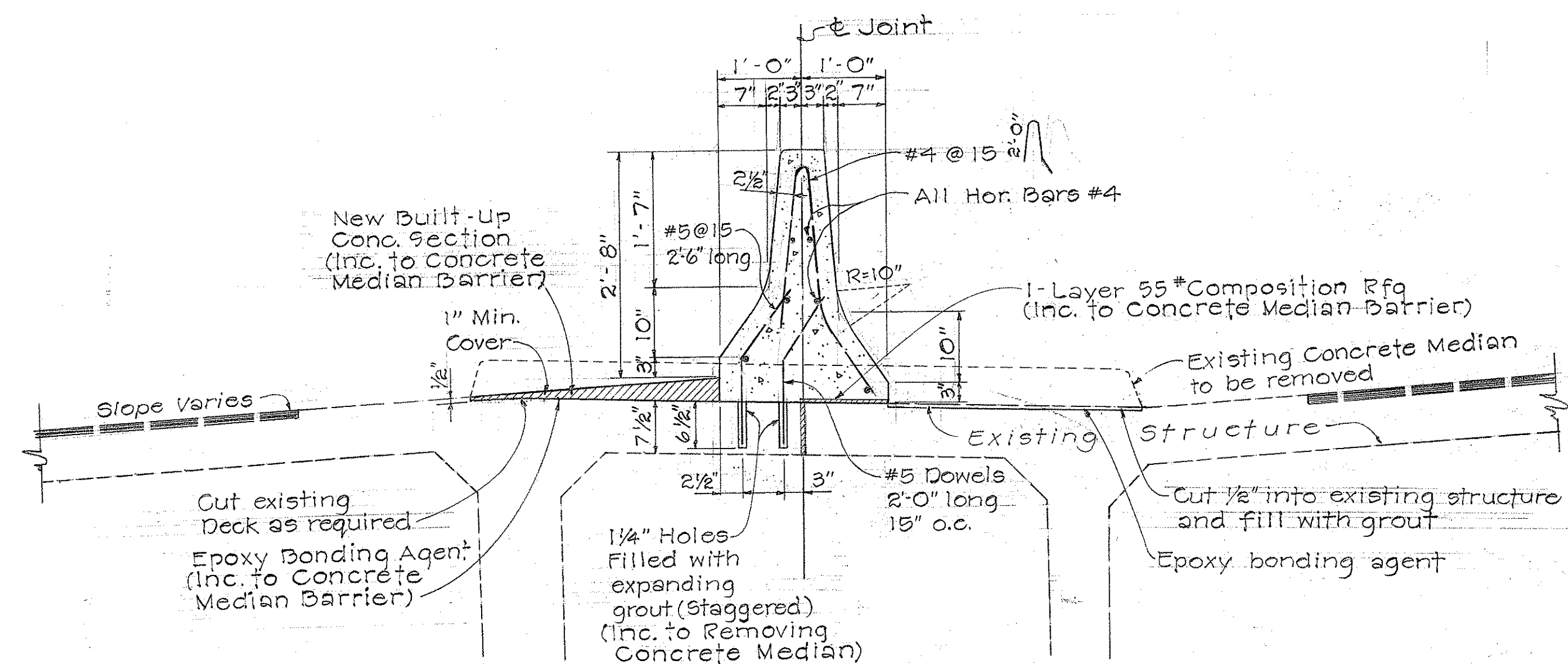
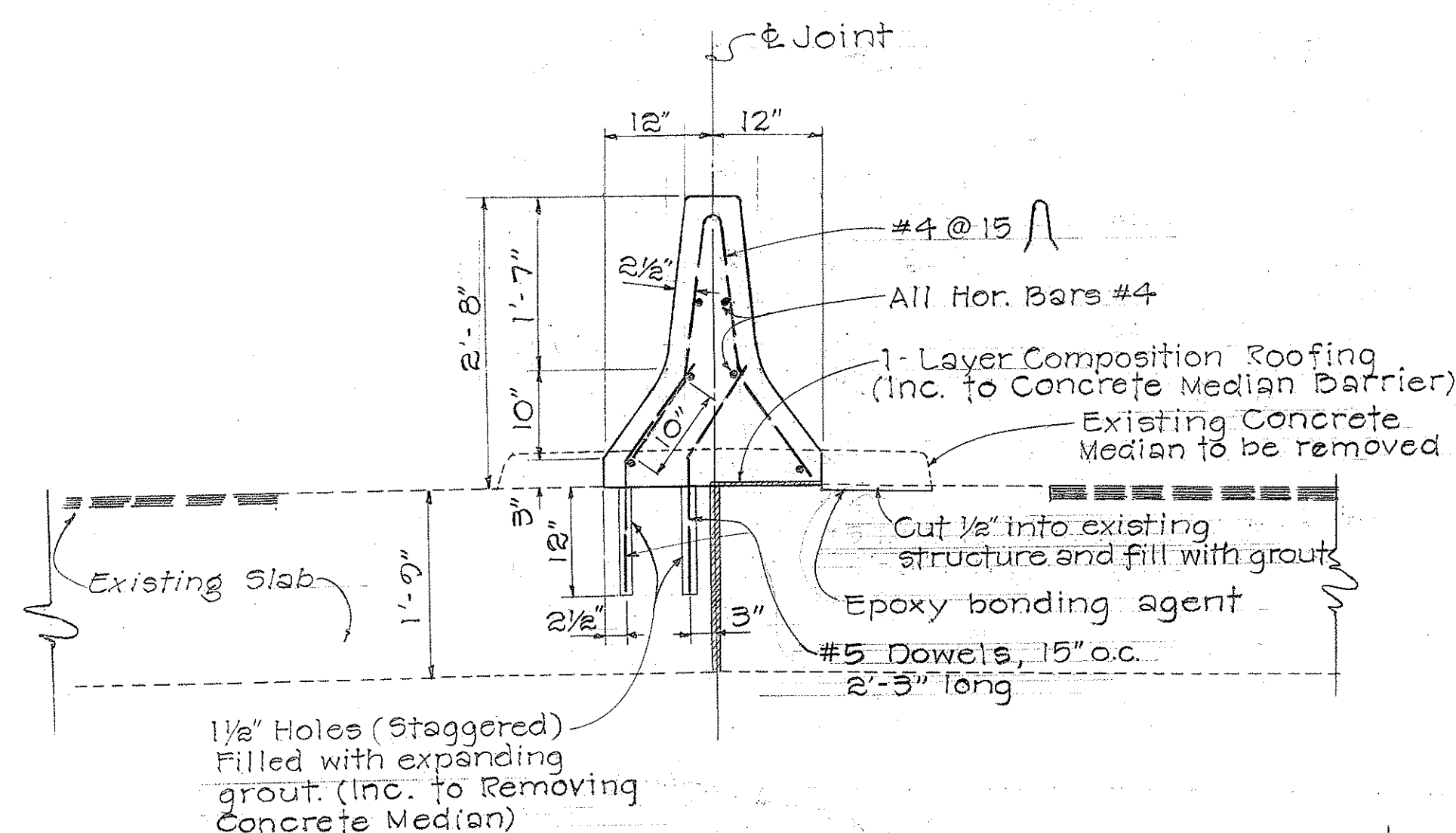


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(45)	1967	2	14



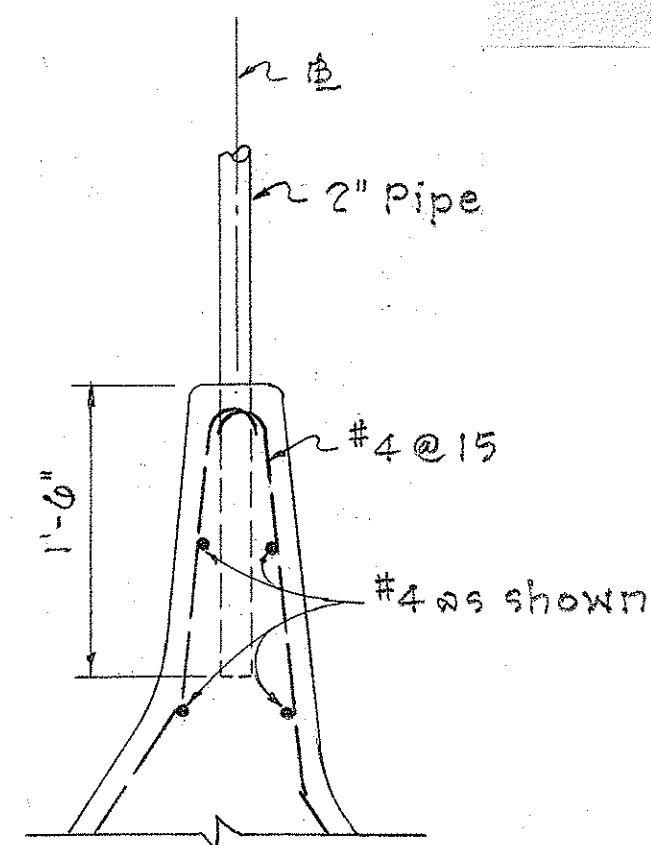
CONCRETE MEDIAN BARRIER
FOR PALAMA SEPARATION
Scale: 3/4" = 1'-0"



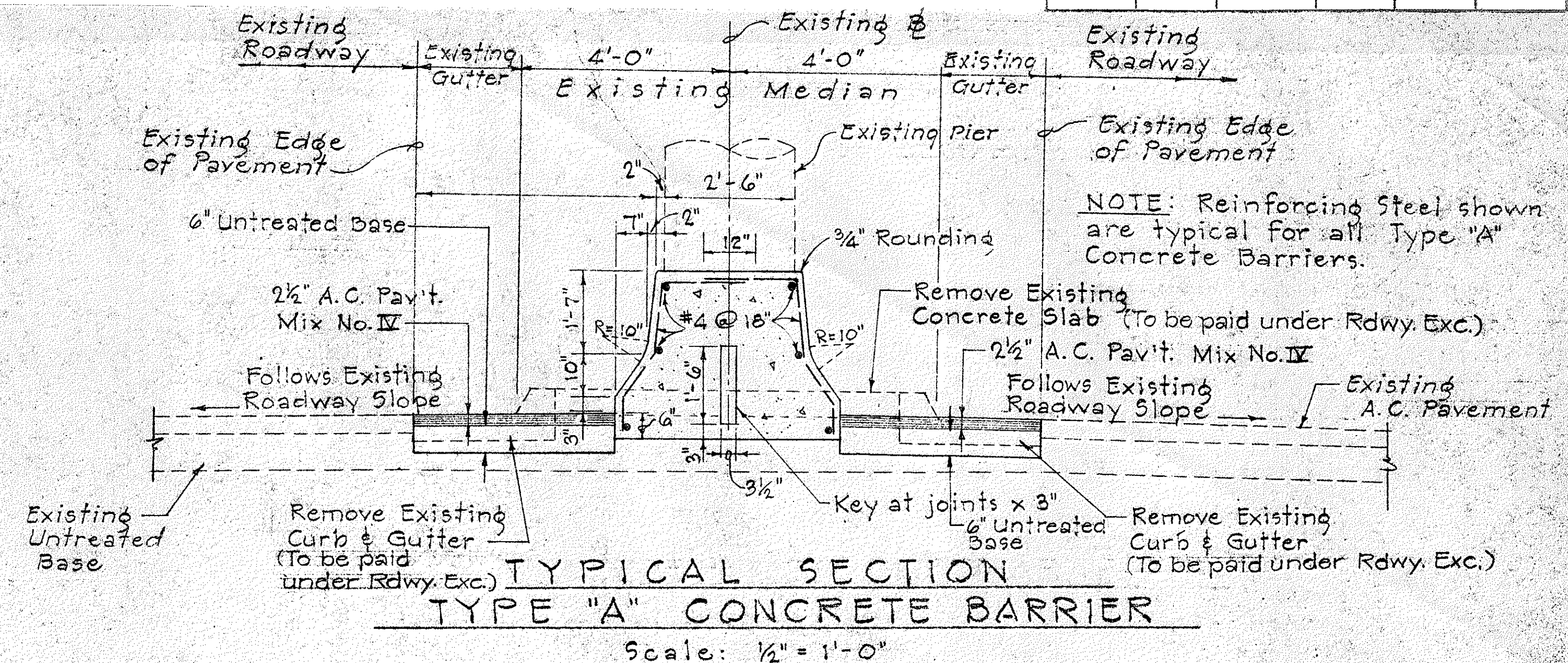
CONCRETE MEDIAN BARRIER
FOR NUUANU STREAM BRIDGE
Scale: 3/4" = 1'-0"

GENERAL NOTES (Cont'd.)

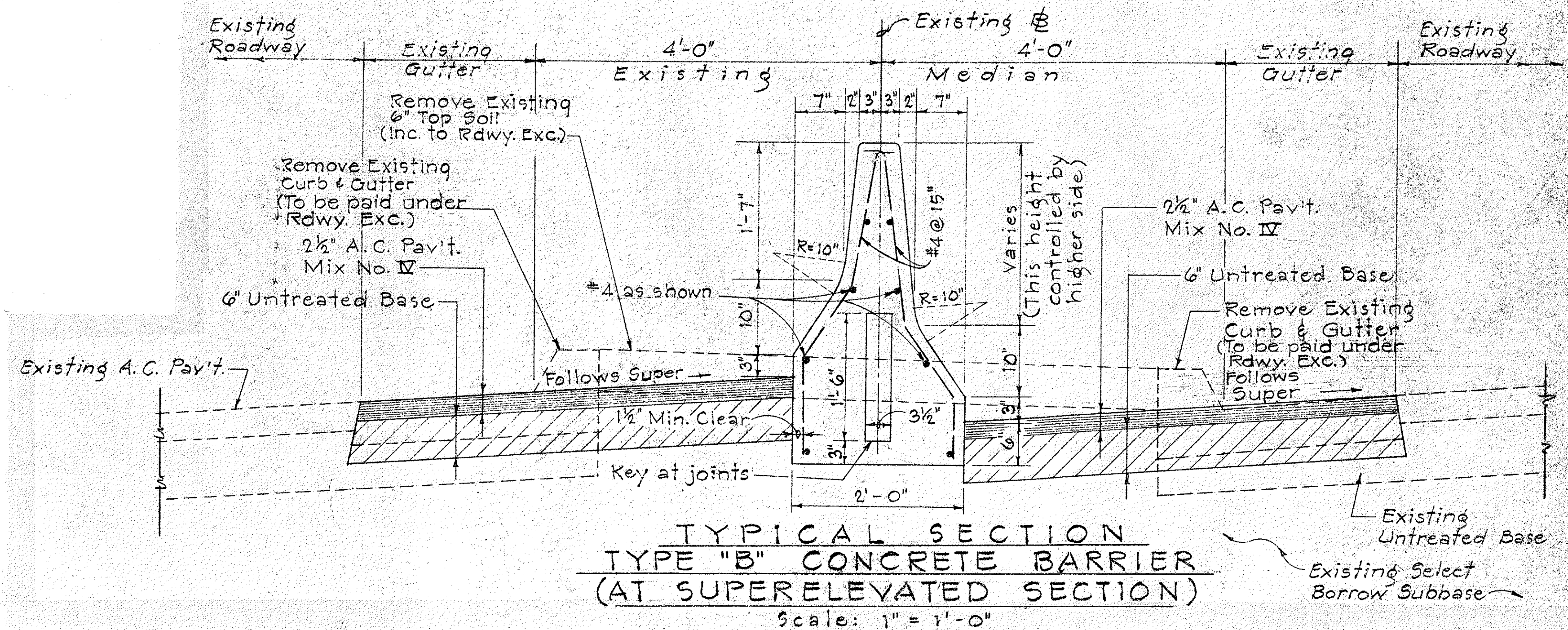
- Provide 1'-6" deep, 3" diameter post holes on top of concrete barrier at 10' maximum spacing beyond end of chain link fence. Hole spacing to be adjusted at structure columns. Top of holes to be covered with mortar.



TYPE "B" CONC. BARRIER
WITH RECONSTR. CHAIN LK. FENCE
Scale: 1" = 1'-0"



TYPICAL SECTION
TYPE "A" CONCRETE BARRIER
Scale: 1/2" = 1'-0"



TYPICAL SECTION
TYPE "B" CONCRETE BARRIER
(AT SUPERELEVATED SECTION)
Scale: 1" = 1'-0"

GENERAL NOTES

- Concrete for Concrete Barriers shall be Class "A-1".
- The Contractor shall furnish and install 5/8" bolts of appropriate lengths, and appurtenant washers, nuts and wooden blocks for anchoring metal guard rail elements to Concrete Barrier. (Incidental to metal Guard Rail.)
- Construction joints with keys shall be provided and spaced at 30' o.c. Max. for all Conc. Barriers.
- At the end of project, existing metal guard rail shall be adjusted to fit Concrete Median Barrier as directed by the Engineer. (Inc. to Concrete Median Barrier)
- On concrete bridge deck, the bottom 6" of Concrete Barrier curb is not required.
- Where Guard Rails are installed at median, the 2 1/2" A.C. Pavement and the 6" Untreated Base follow throughout.
- Expansion joint shall be constructed at ninety (90 ft.) intervals or at existing expansion joints of structures. (Use 1/2" pre-molded joint filler, incidental to concrete barrier)

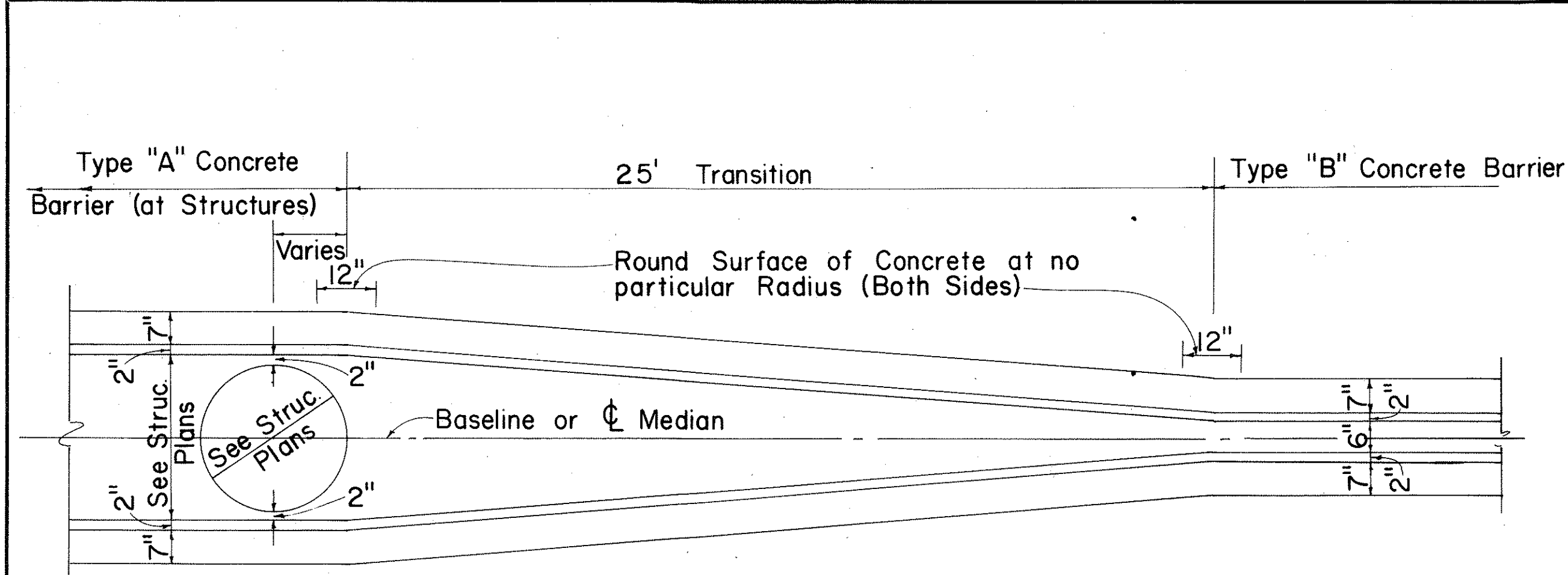
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONCRETE BARRIER

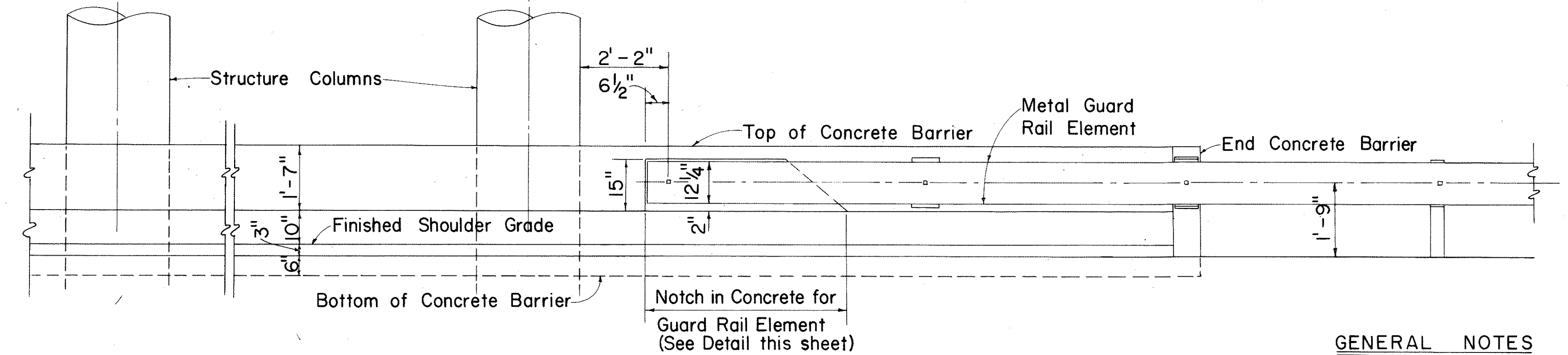
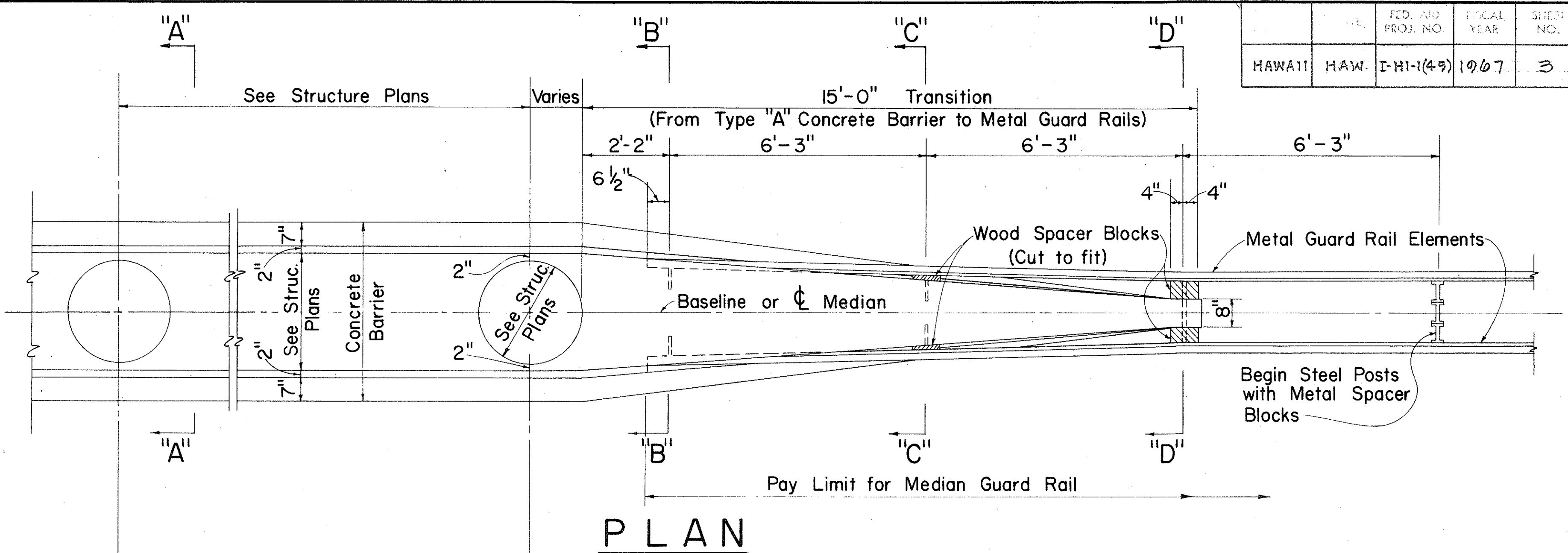
F.A.I. PROJ. NO. I-HI-1(45)

SCALE: AS NOTED NOV. 1967
SHEET No. 1 OF 2 SHEETS

STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW. I-HI-1(45)	1967	3	14



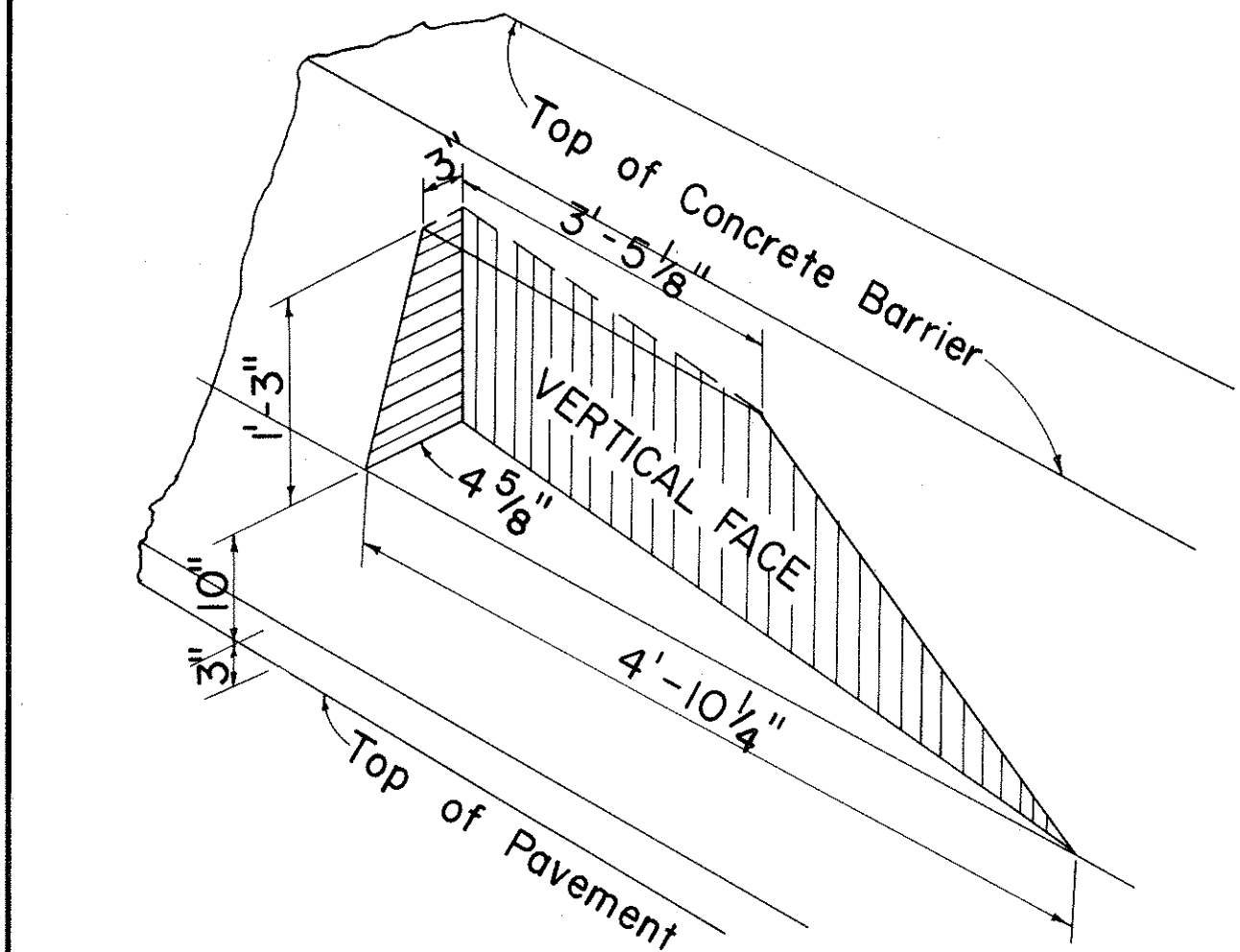
TYPICAL TRANSITION PLAN
FROM TYPE "A" TO TYPE "B" CONC. BARRIER



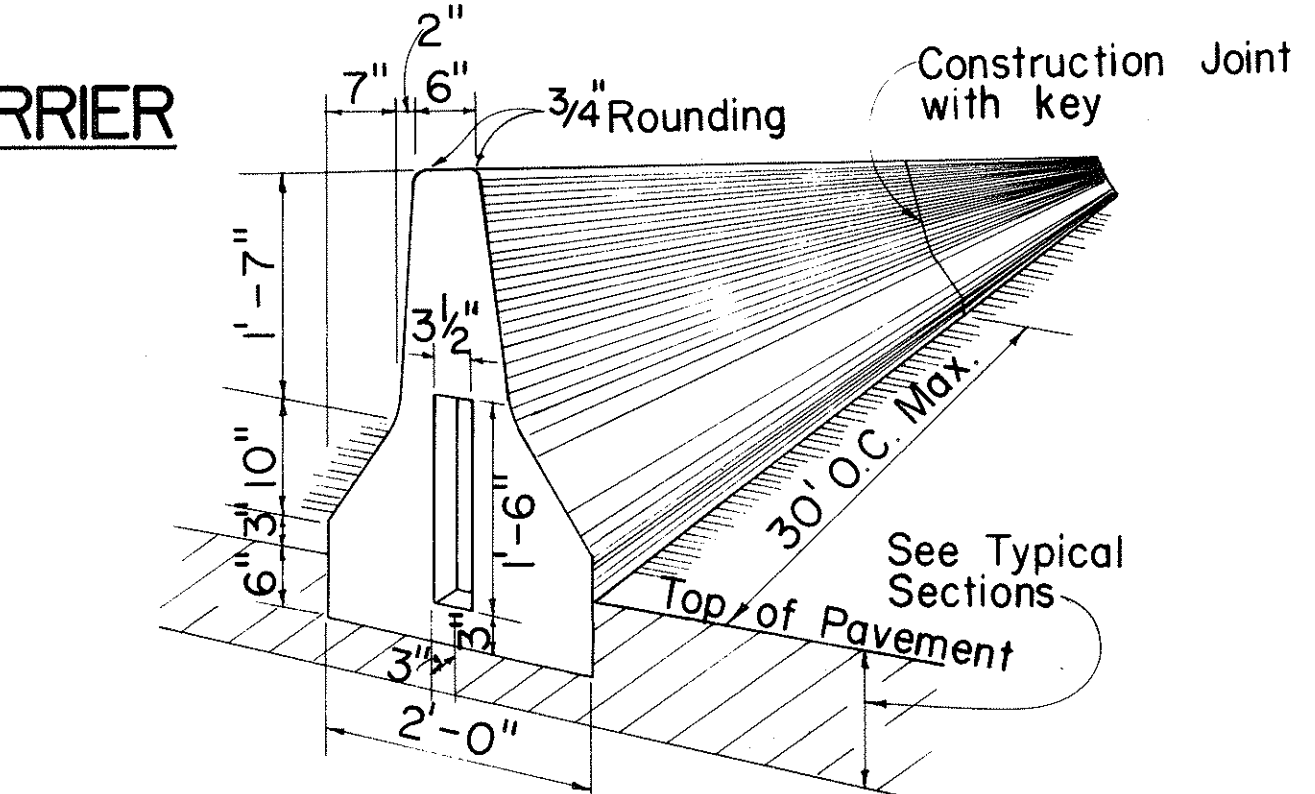
ELEVATION
TYPE "A" CONCRETE BARRIER FOR MEDIANS

GENERAL NOTES

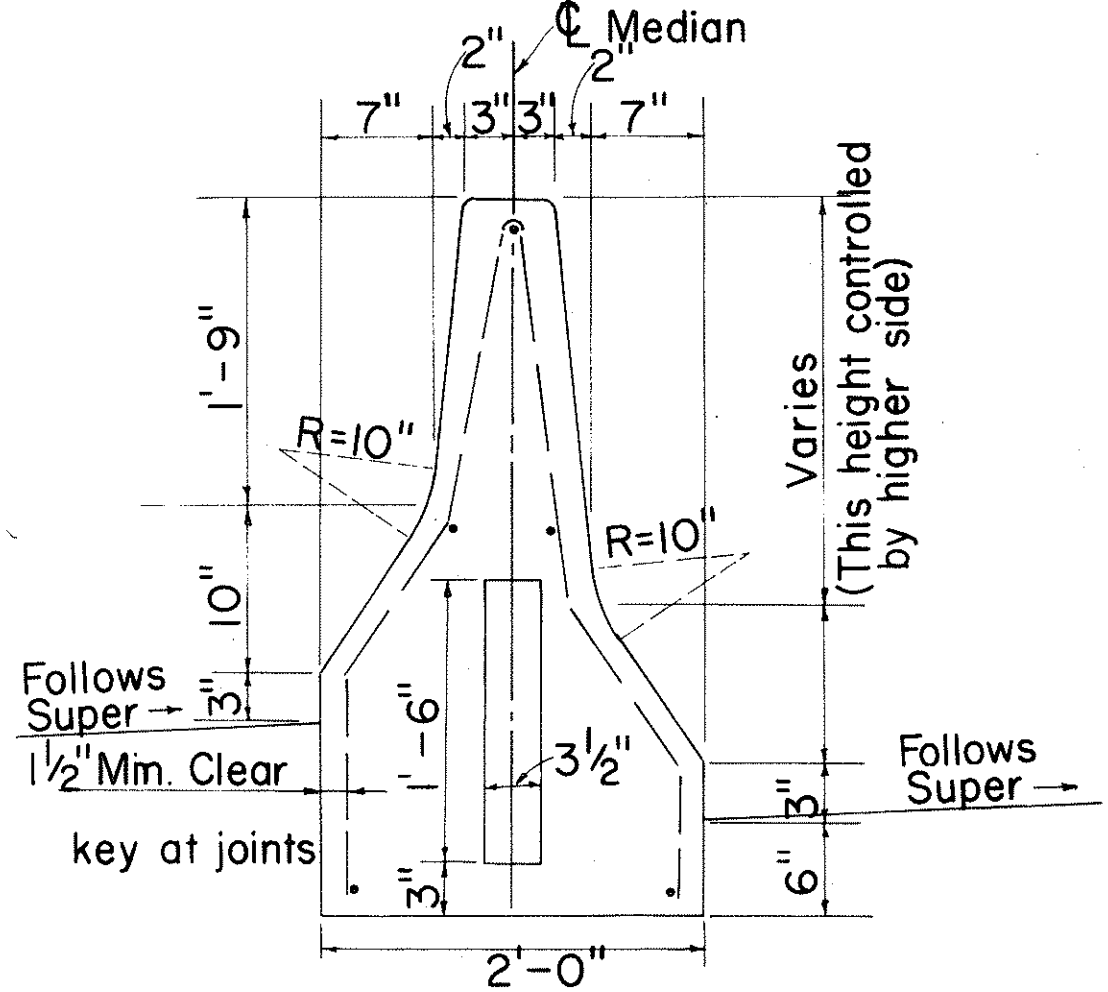
- Concrete for Concrete Barriers shall be Class "A-1".
- The Contractor shall furnish and install 5/8" diameter bolts of appropriate lengths, and appropriate washers, nuts and wooden blocks for anchoring metal guard rail elements to Concrete Barrier. (Incidental to Metal Guard Rail).



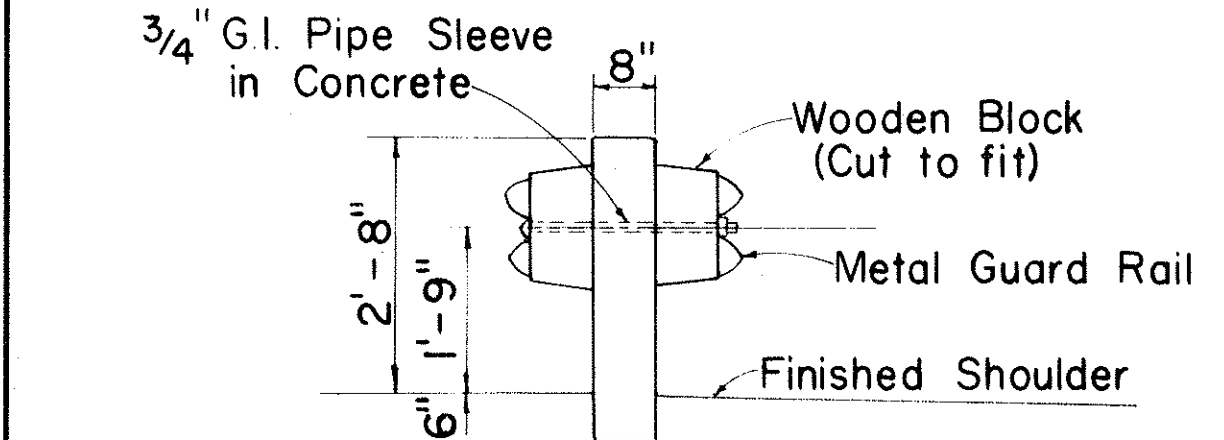
DETAIL OF NOTCH IN
CONCRETE BARRIER



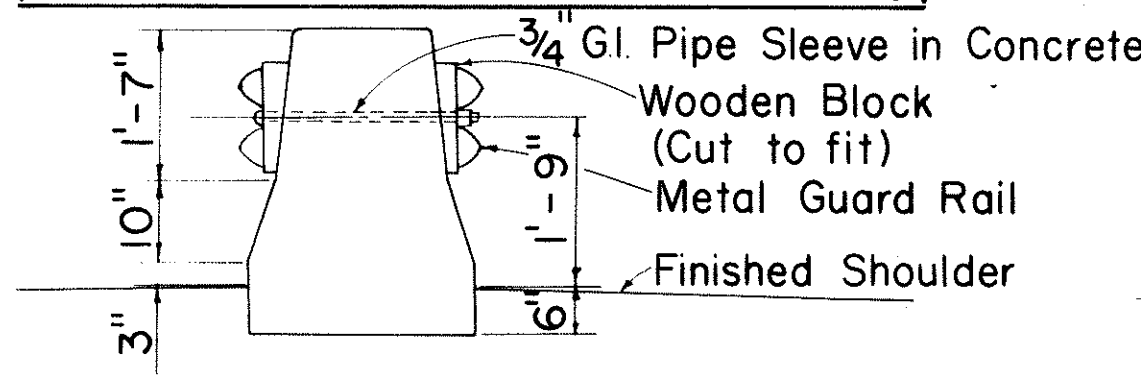
TYPE "B" CONC. BARRIER
(AT TANGENT SECTIONS)



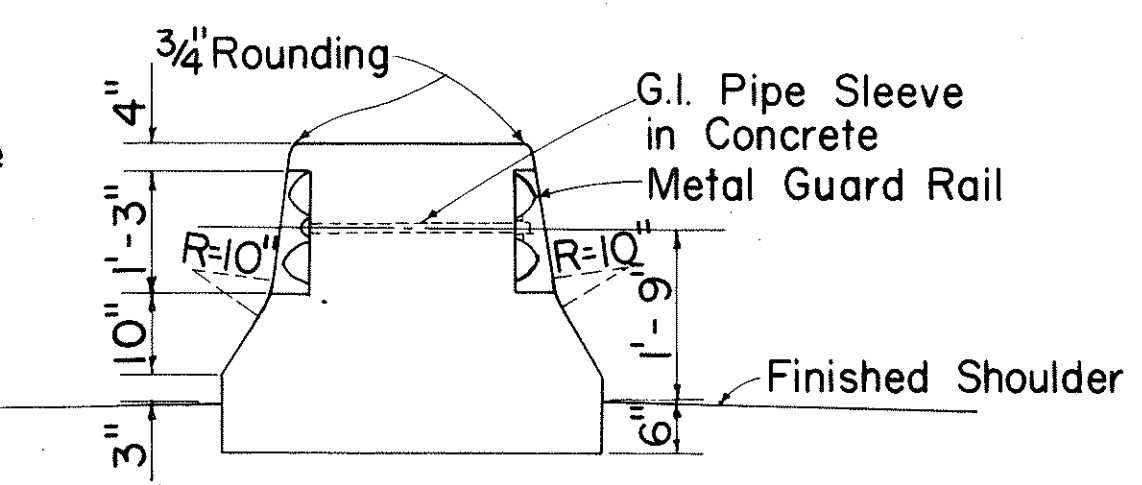
TYPICAL SECTION
TYPE "B" CONC. BARRIER
(AT SUPERELEVATED SECTIONS)



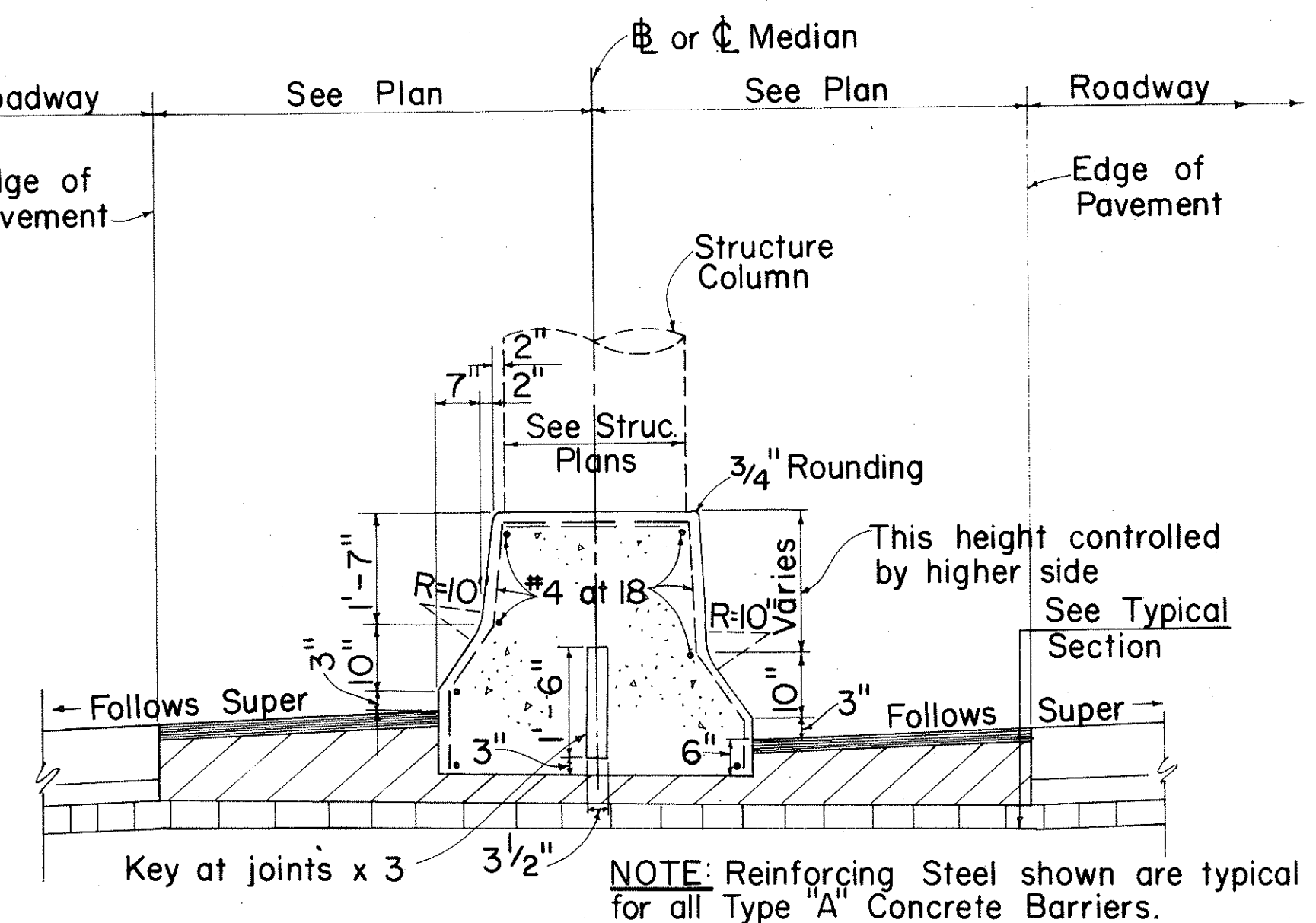
SECTION "D-D"



SECTION "C-C"



SECTION "B-B"



TYPE "A" CONCRETE BARRIER
SECTION "A-A"

NOTE: Reinforcing Steel shown are typical for all Type "A" Concrete Barriers.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONCRETE BARRIER

F.A.I. PROJ. NO. I-HI-1(45)

SHEET No. 2 OF 2 SHEETS

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
IN CHARGE	DATE