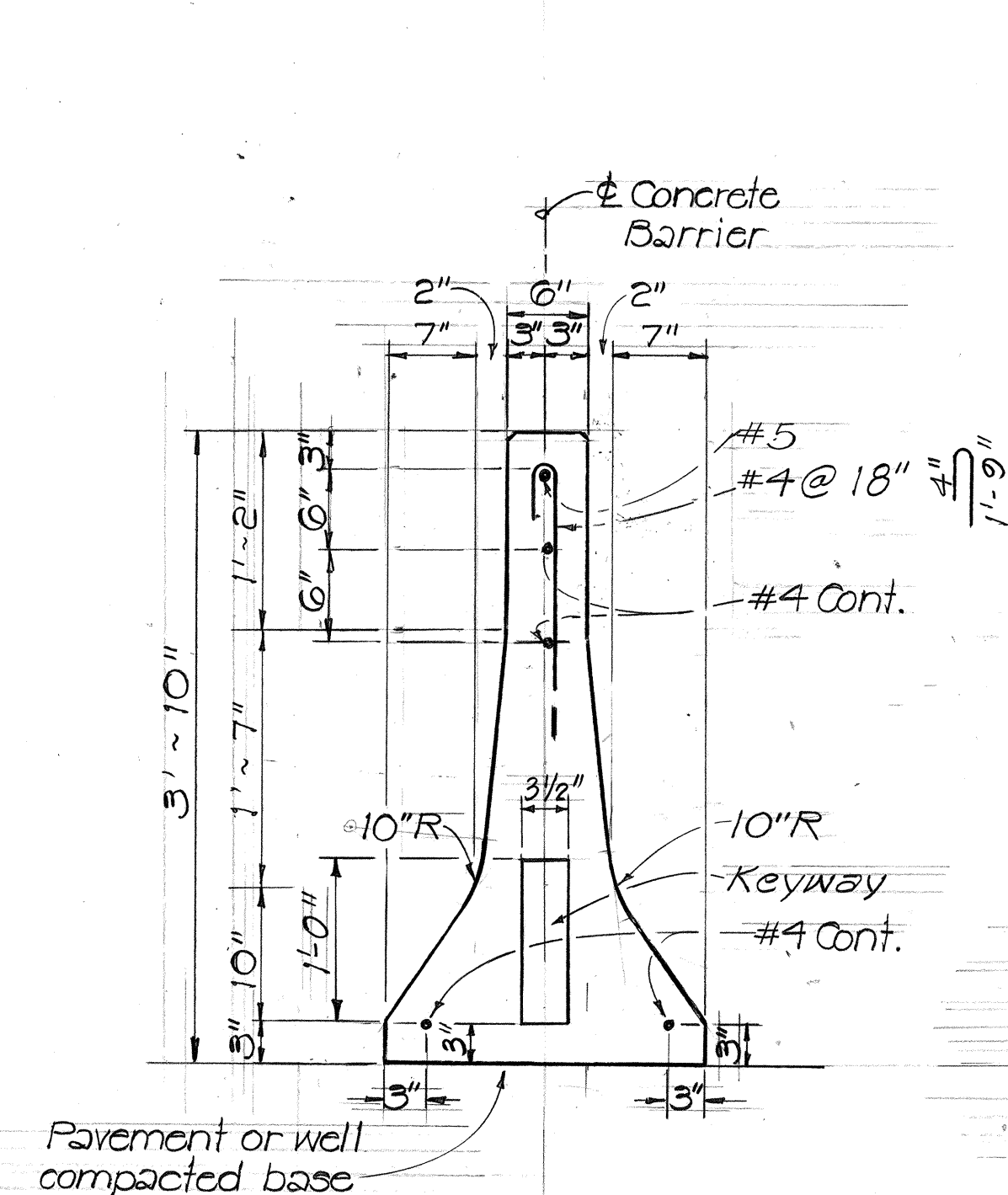
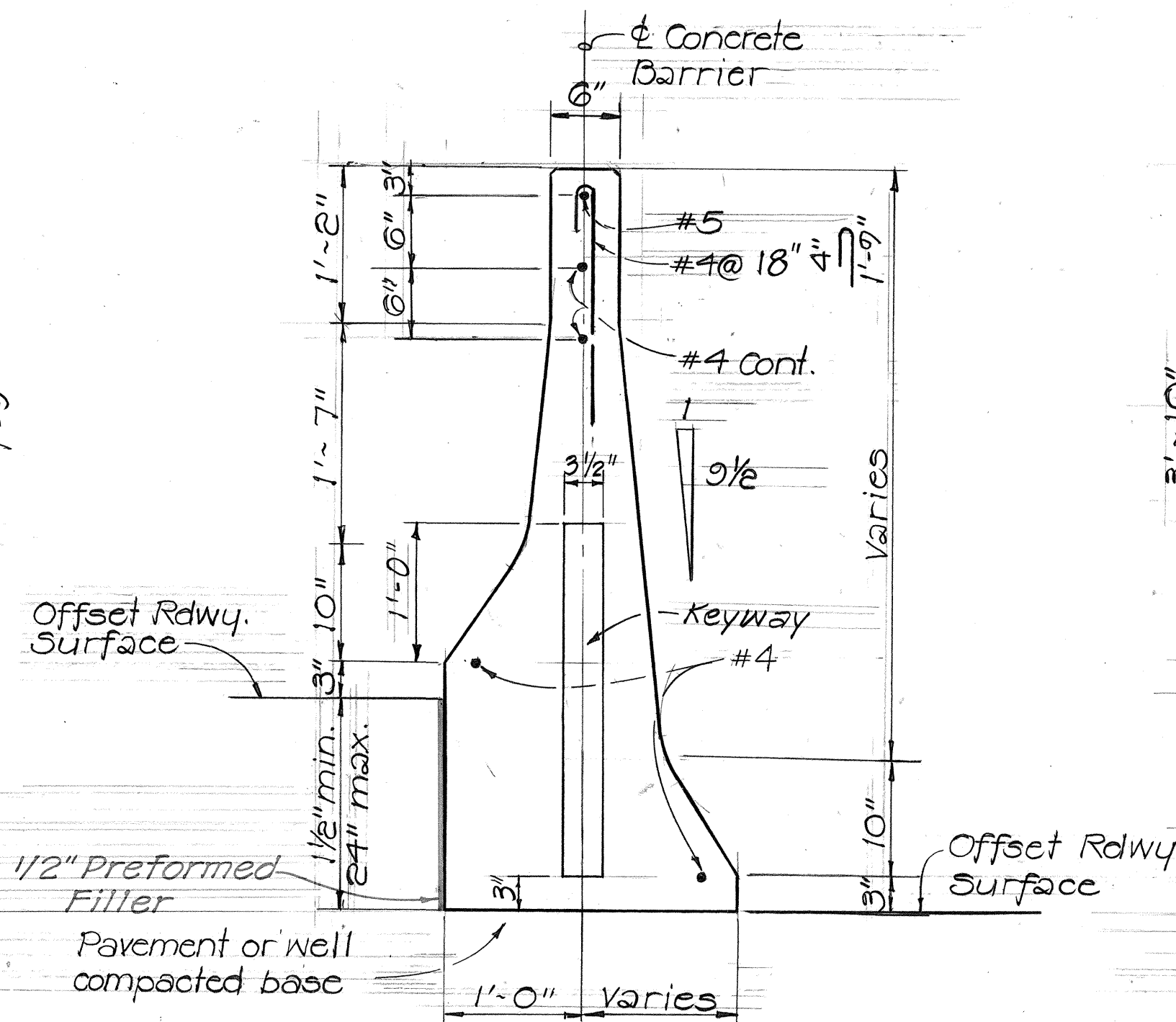


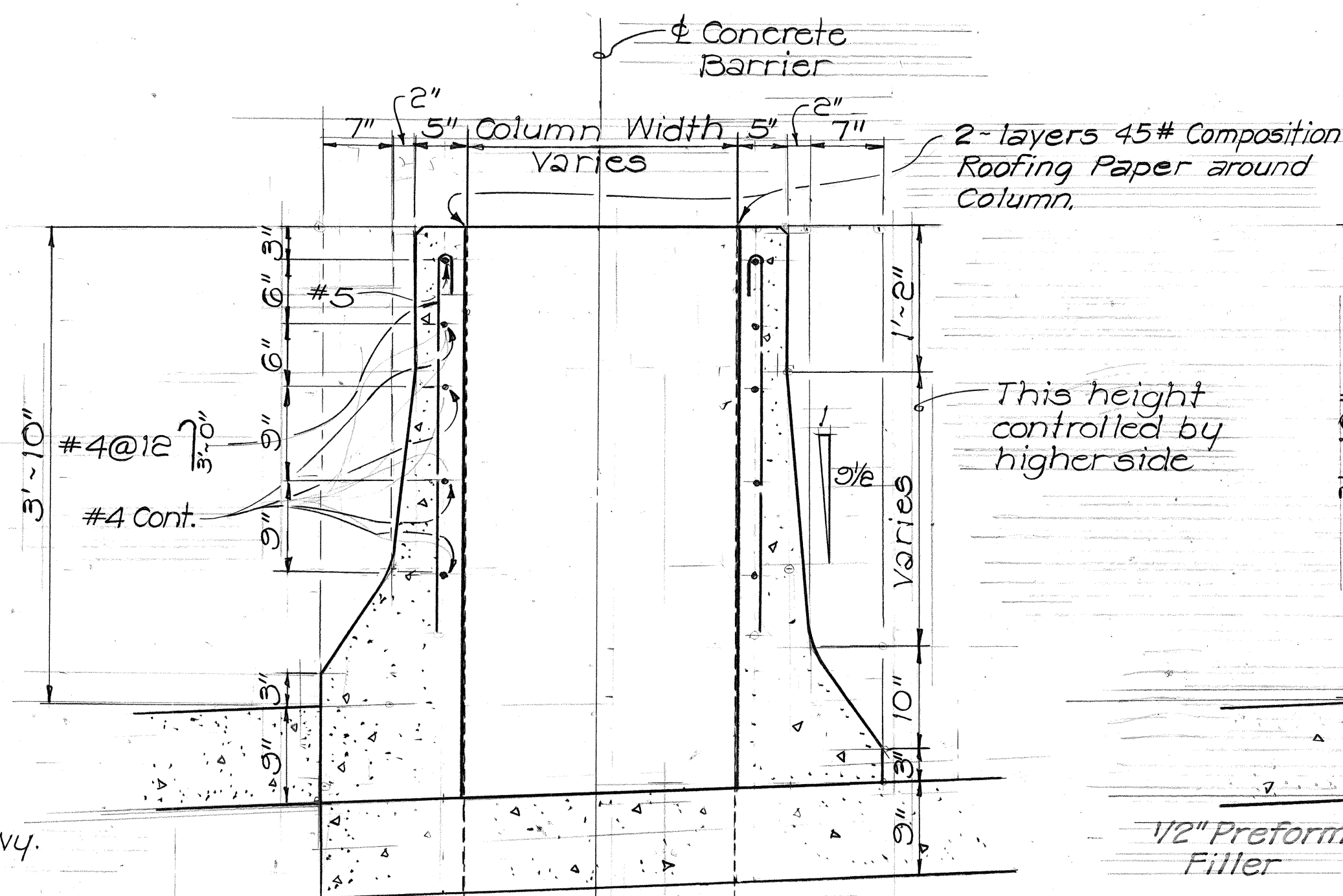
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-HI-1 (197)	1986	ADD 7	38



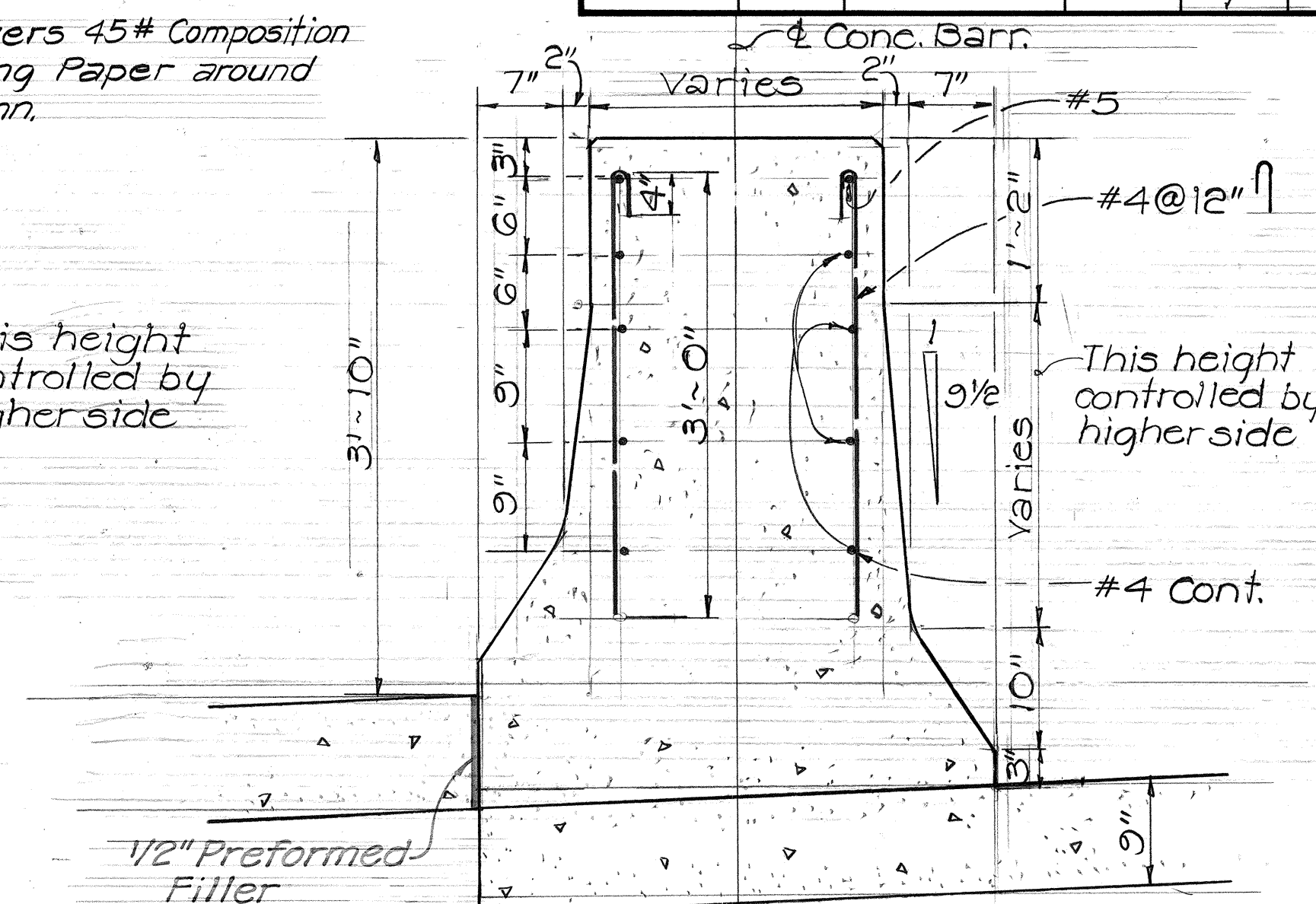
**TYPE 50 M
CONCRETE BARRIER**
Scale: 1" = 1'-0"



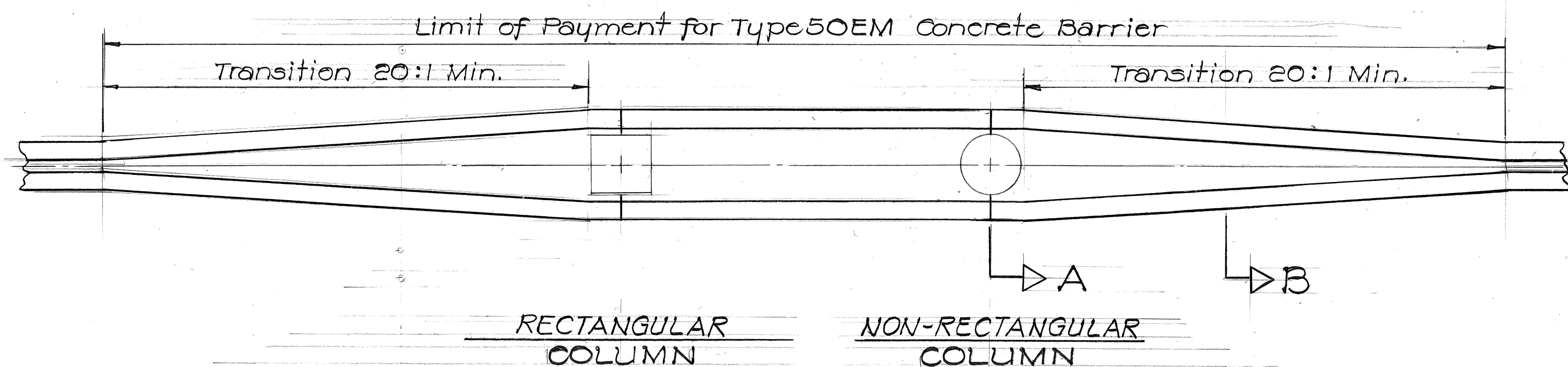
**TYPE 50 CM
CONCRETE BARRIER**
Scale: 1" = 1'-0"



**SECTION A
BARRIER AT BRIDGE COLUMN**
Scale: 1" = 1'-0"



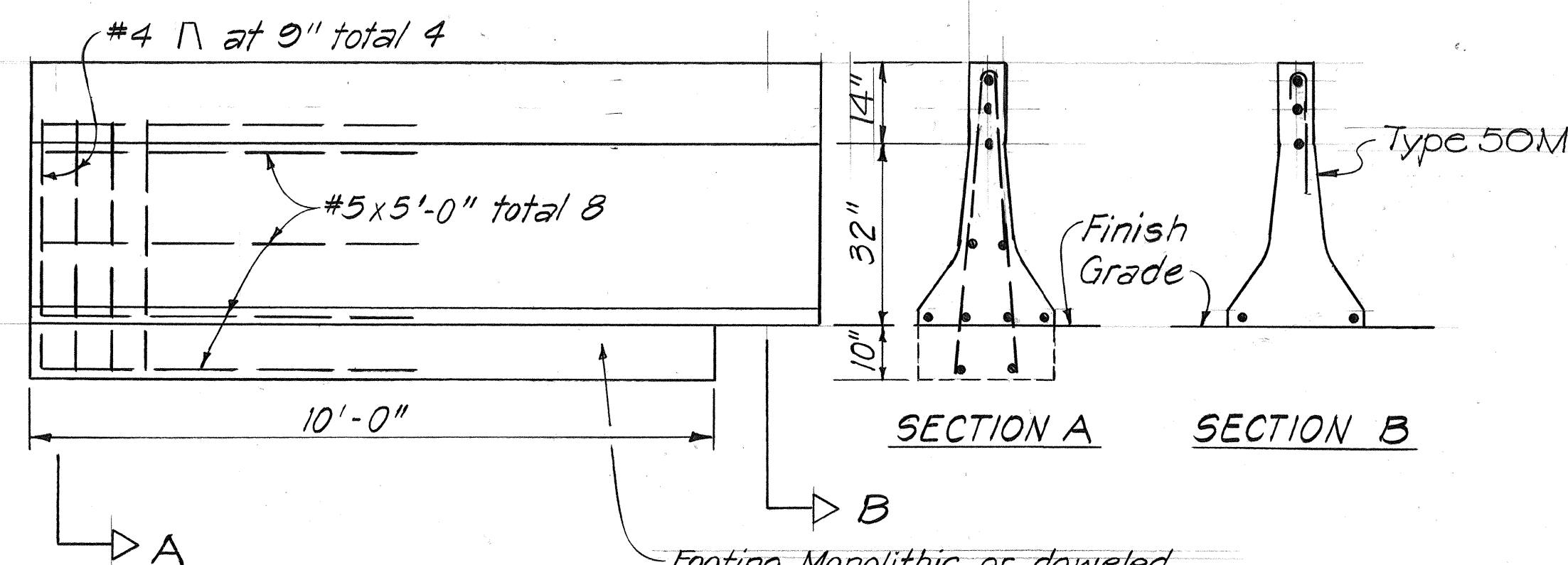
**SECTION B
BARRIER ALONG TRANSITION**
Scale: 1" = 1'-0"



TRANSITION AT BRIDGE COLUMN
Scale: 1/4" = 1'-0"

GENERAL NOTES

1. Adjust height of barrier on low side of Offset or Superelevated Roadways to provide level grade across top of Type 50 EM Barrier.
2. Reinforcing Steel shall extend continuous through construction joints.
3. For keyway details, see sheet no. 10.



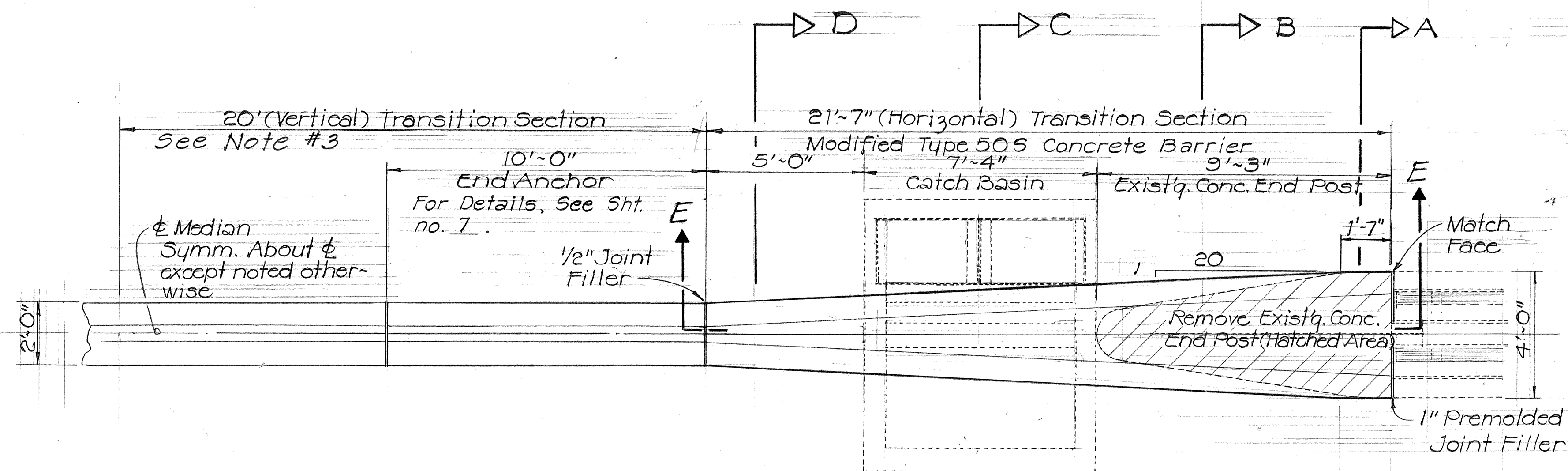
**ELEVATION
BARRIER END ANCHOR**
Scale: 1/2" = 1'-0"

11/15/85	Revised Barrier End Anchor Detail.
DATE	REVISION

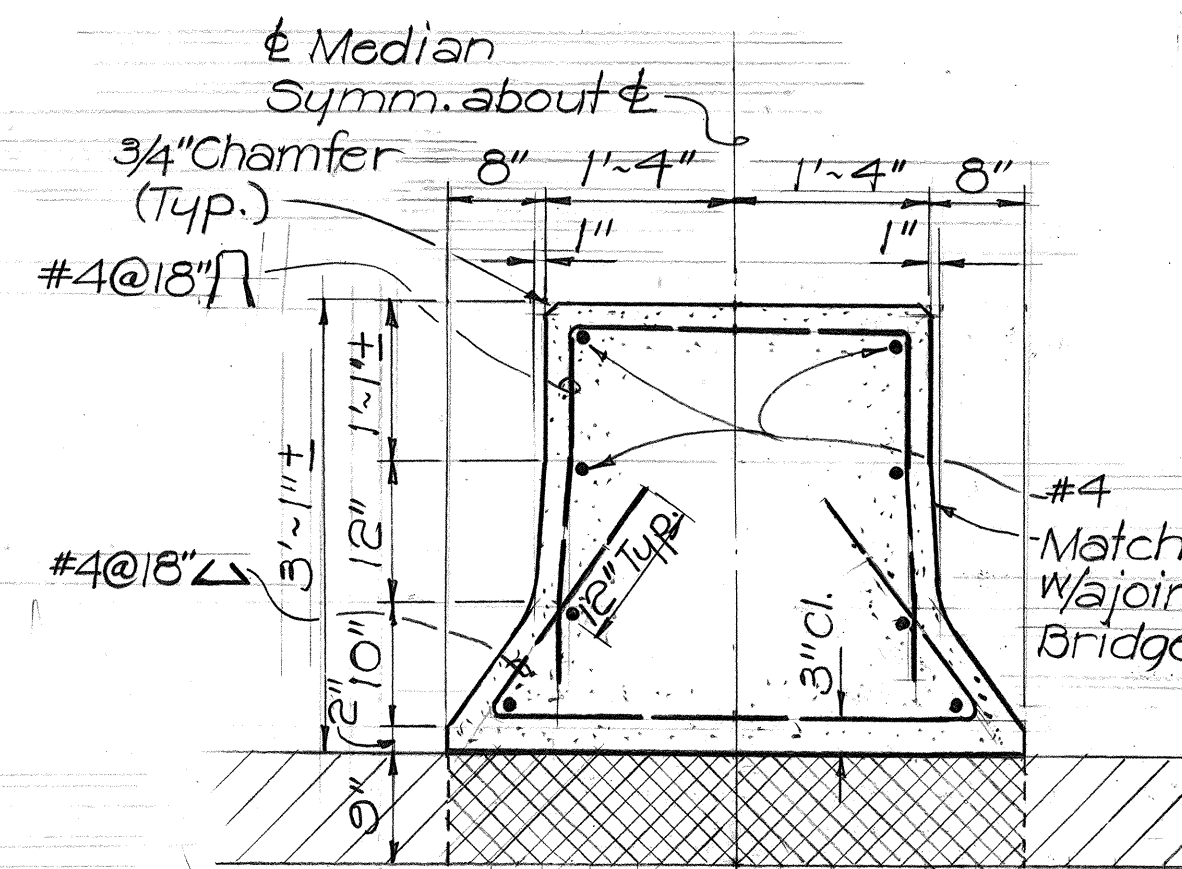
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
CONCRETE BARRIER DETAIL
INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS Koko Head Ave. To Waialae Viaduct F.A.I. Proj. No. 1R-HI-1 (197) Scale: As Noted Date: July, 1985
SHEET NO. OF SHEETS

ADD 7

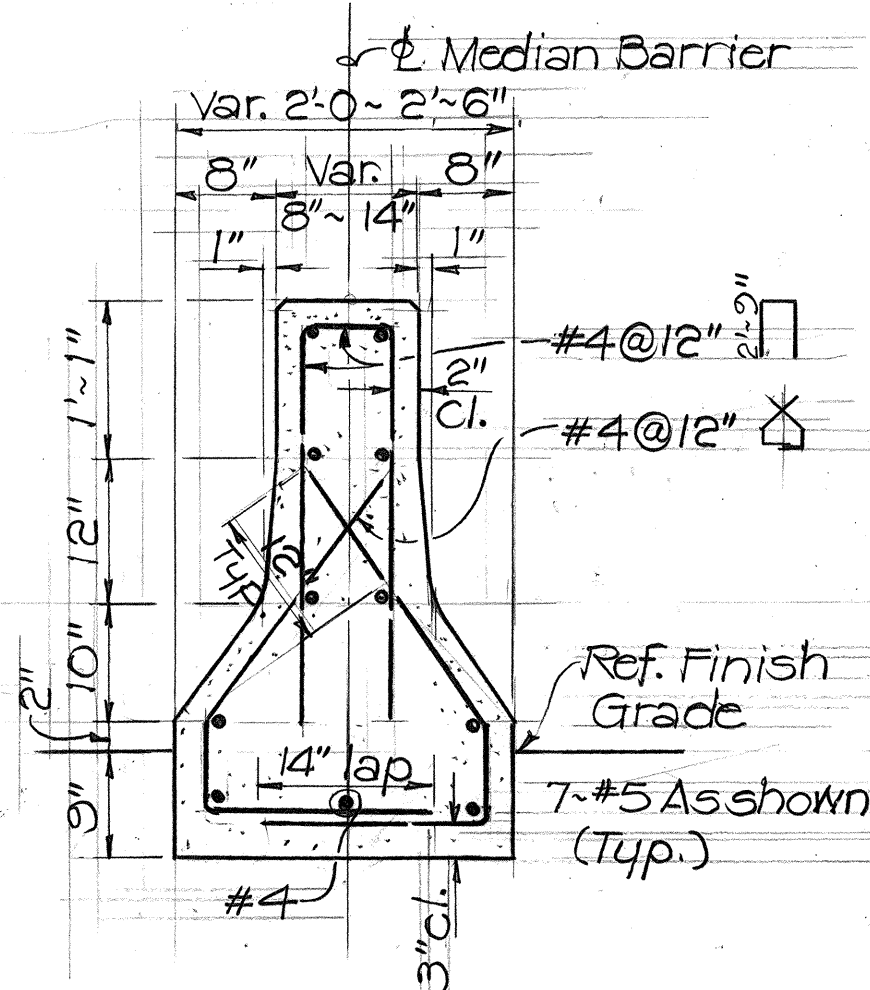
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(197)	1986	8	38



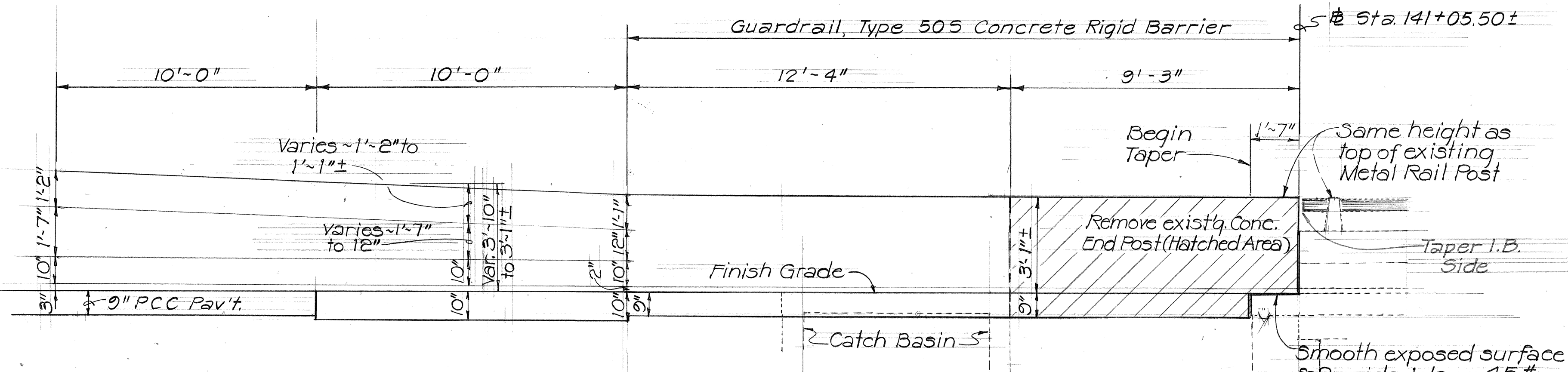
PLAN
Scale: $\frac{3}{8}'' = 1' - 0''$



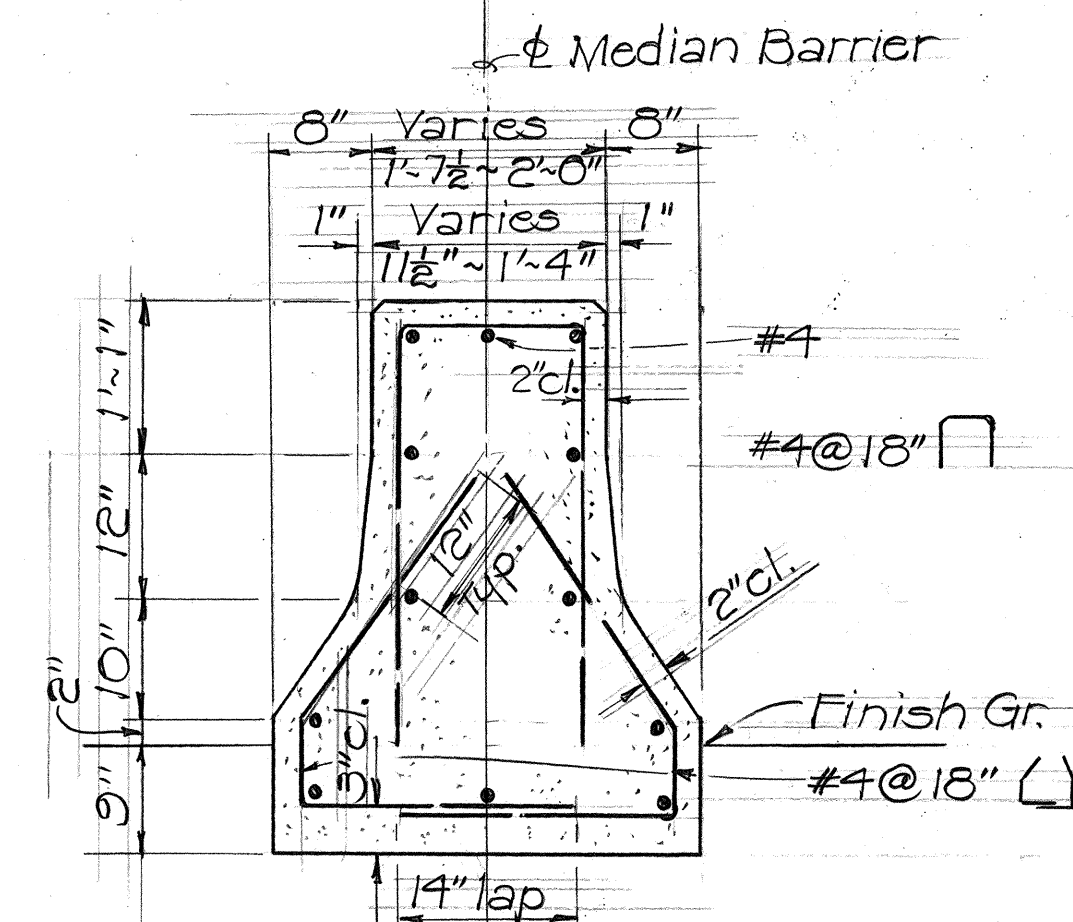
SECTION A
Scale: $\frac{3}{4}'' = 1' - 0''$



SECTION D
Scale: $\frac{3}{4}'' = 1' - 0''$



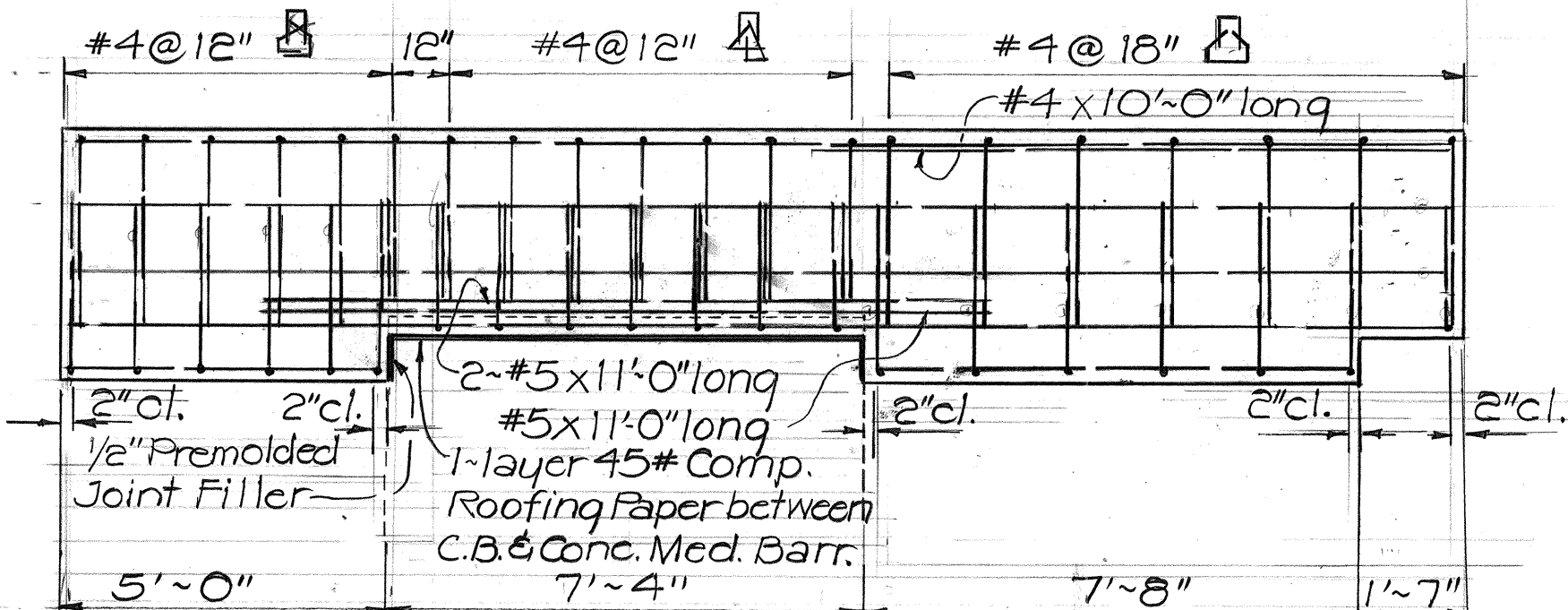
ELEVATION
Scale: $\frac{3}{8}'' = 1' - 0''$



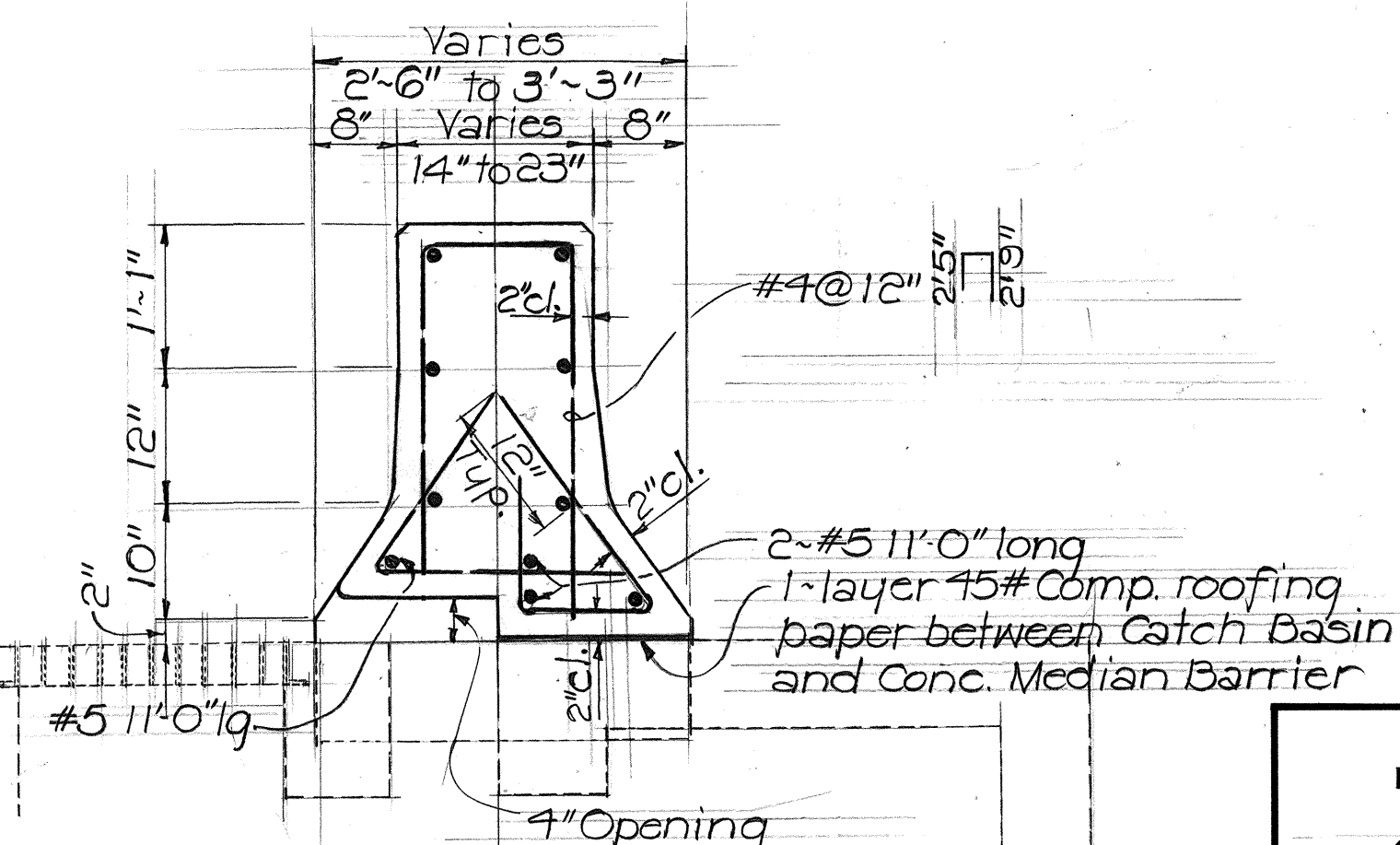
SECTION B
Scale: $\frac{3}{4}'' = 1' - 0''$

NOTES

1. Removal of existing Concrete End Post shall be paid for under Item No. 202.0447.
2. Name of Structure and Date shall be inscribed on both faces of the modified Type 505 Concrete Barrier. Name and Date shall be the same as that shown on the Existing End Post. This work shall be deemed to be incidental to the modified Type 505 Concrete Barrier and therefore no additional payment will be made.
3. Vertical Transition Section will be paid for under Type 50 CM Concrete Barrier.



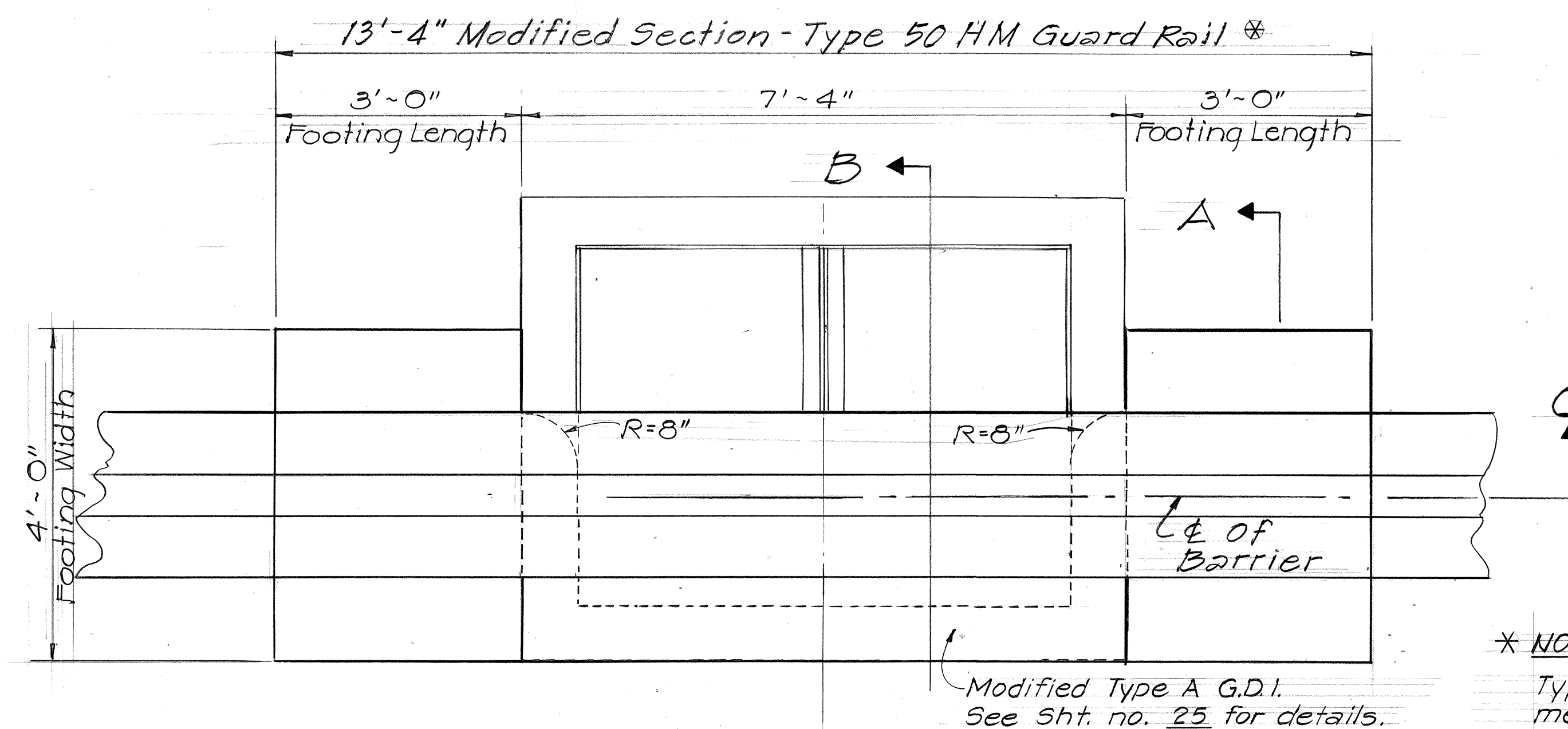
SECTION E
Scale: $\frac{3}{8}'' = 1' - 0''$



SECTION C
Scale: $\frac{3}{4}'' = 1' - 0''$

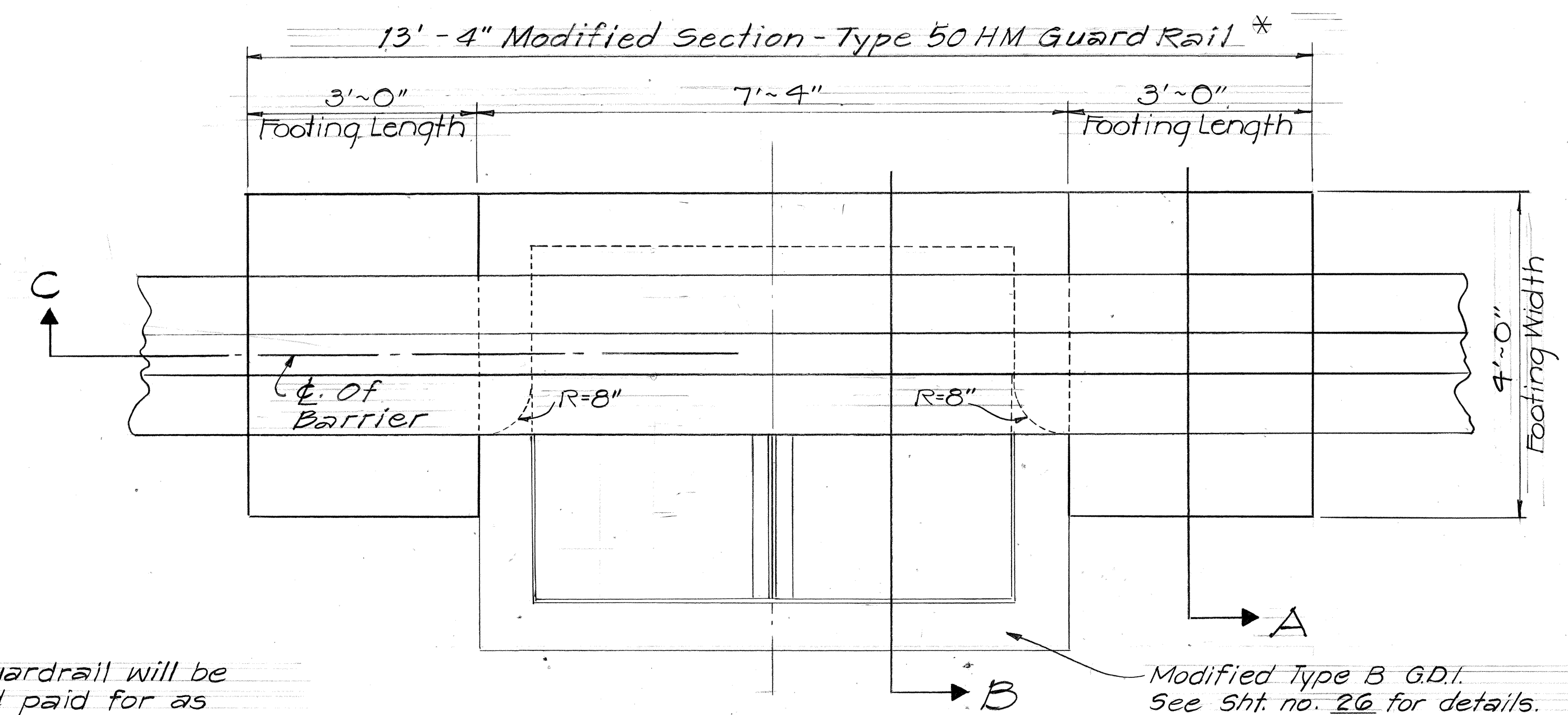
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**SPECIAL CONCRETE
BARRIER DETAILS**
INTERSTATE ROUTE HI-1
SAFETY IMPROVEMENTS
Koko Head Ave. to Waialae Viaduct
F.A.I. PROJ. No. IR-HI-1(197)
Scale: As Noted Date: July, 1985
SHEET No. OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-HI-1(197)	1986	9	38

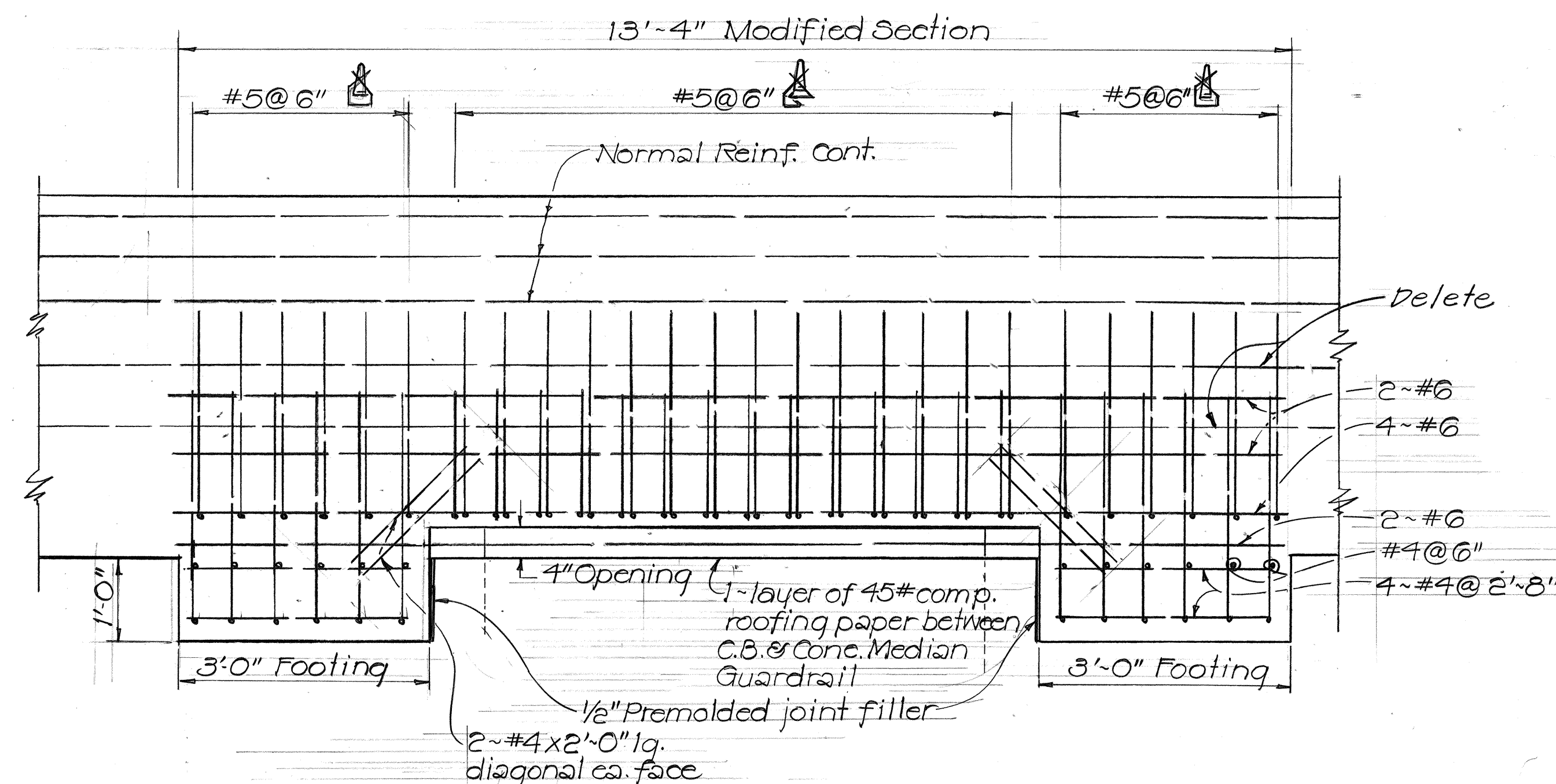


**TYPE 50 HM GUARD RAIL OVER
MODIFIED TYPE A G.D.I. DETAIL**
Scale: 3/4" = 1'-0"

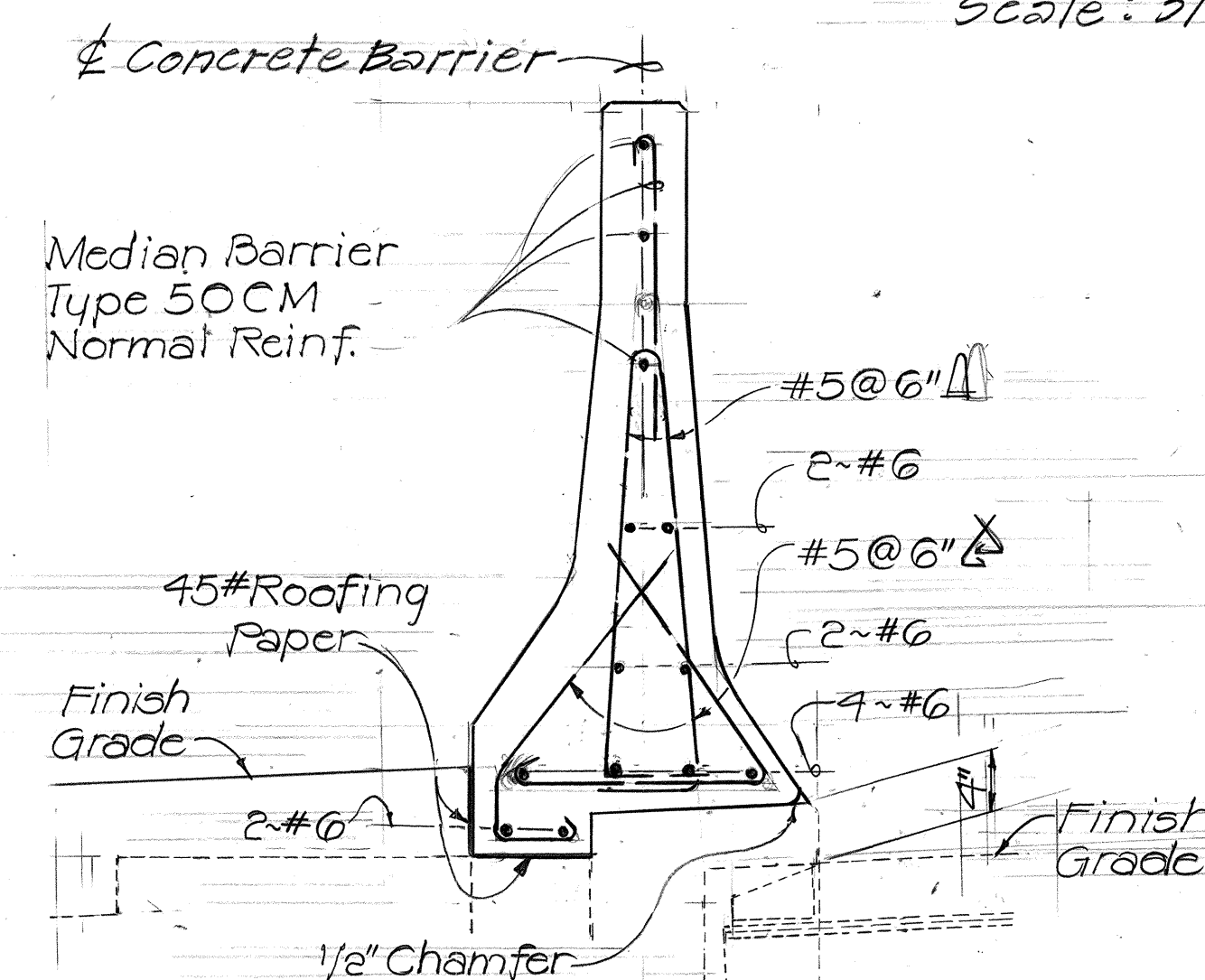
* NOTE:
Type 50 HM Guardrail will be measured and paid for as Type 50 CM Concrete Rigid Barrier.



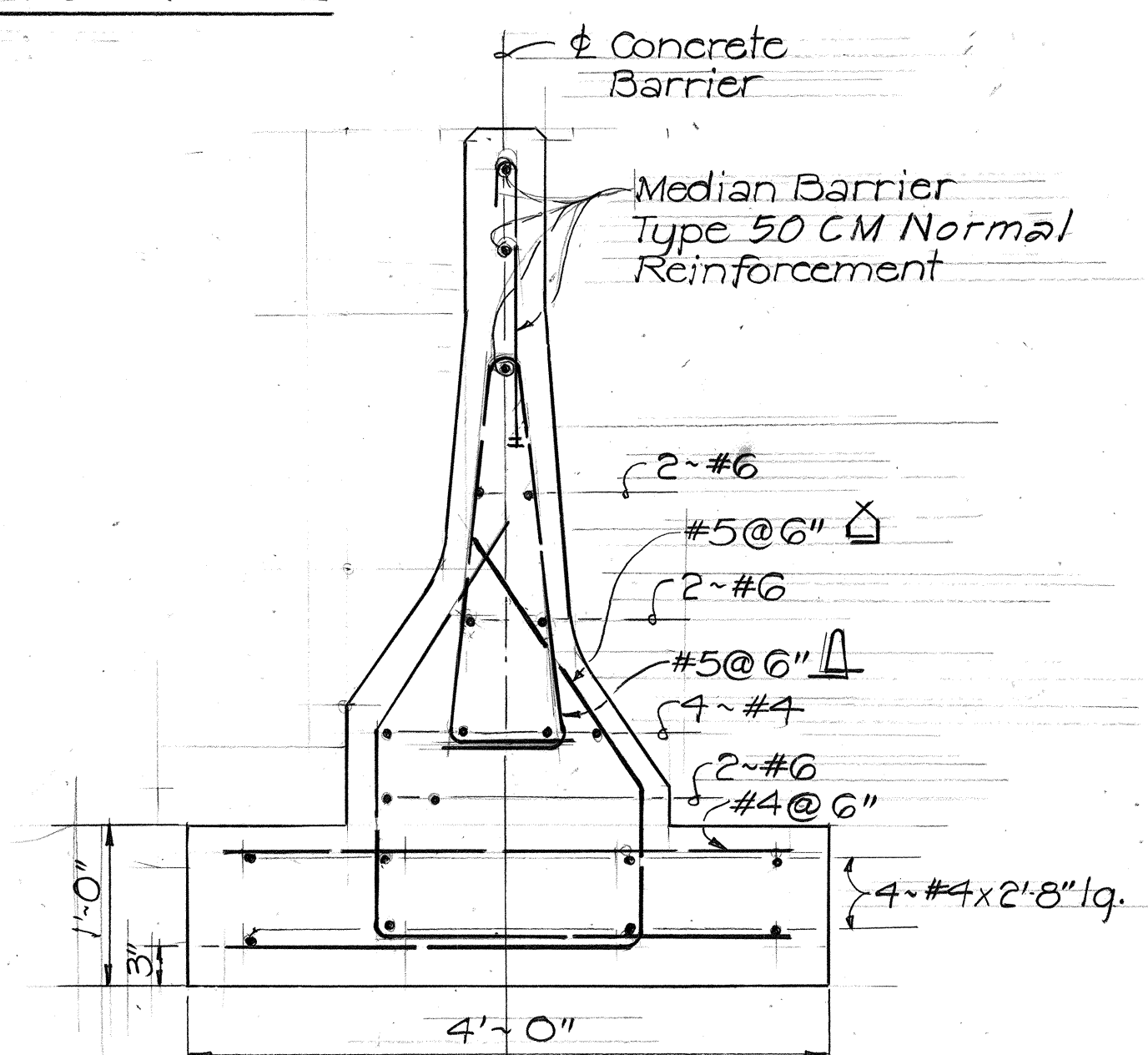
**TYPE 50 HM GUARD RAIL OVER
MODIFIED TYPE B G.D.I. DETAIL**
Scale: 3/4" = 1'-0"



SECTION C
Scale: 1" = 1'-0"



SECTION B
Scale: 1" = 1'-0"



SECTION A
Scale: 1" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONC. BARRIER DETAILS
INTERSTATE ROUTE H-1
SAFETY IMPROVEMENTS
Koko Head Ave. To Waialae Viaduct
F.A.I. Proj. No. 1R-HI-1(197)
Scale: As Noted Date: July, 1985
SHEET NO. OF SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	