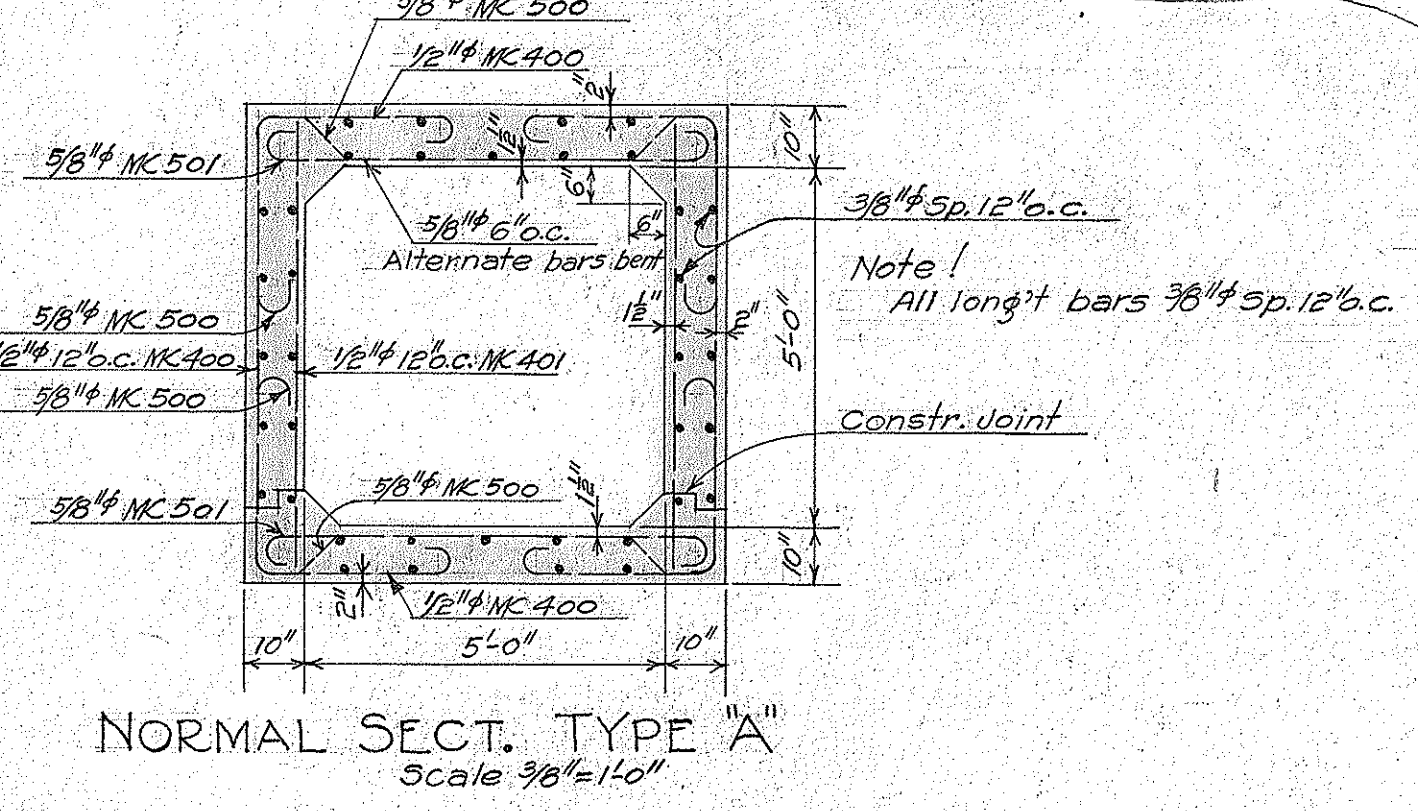
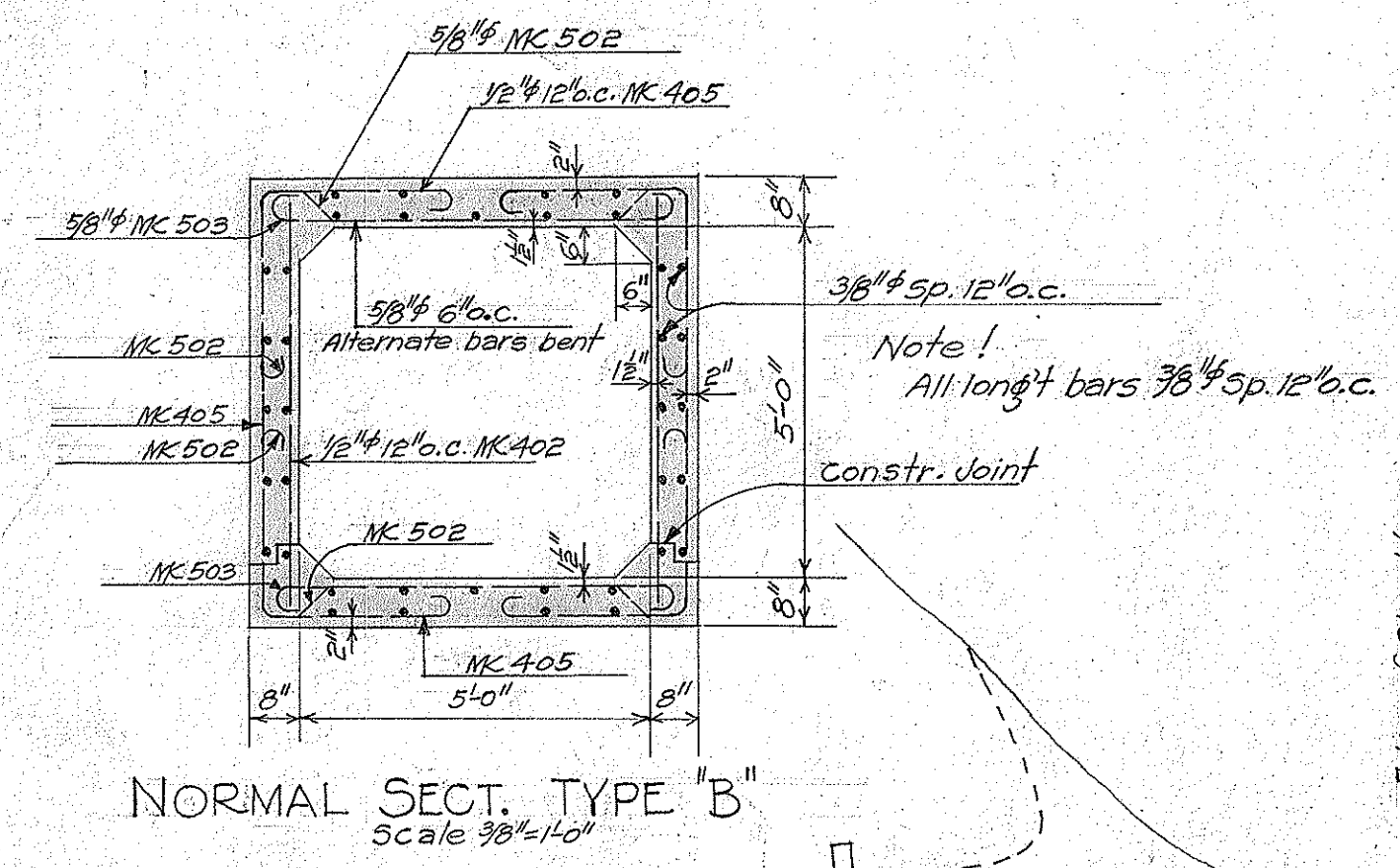
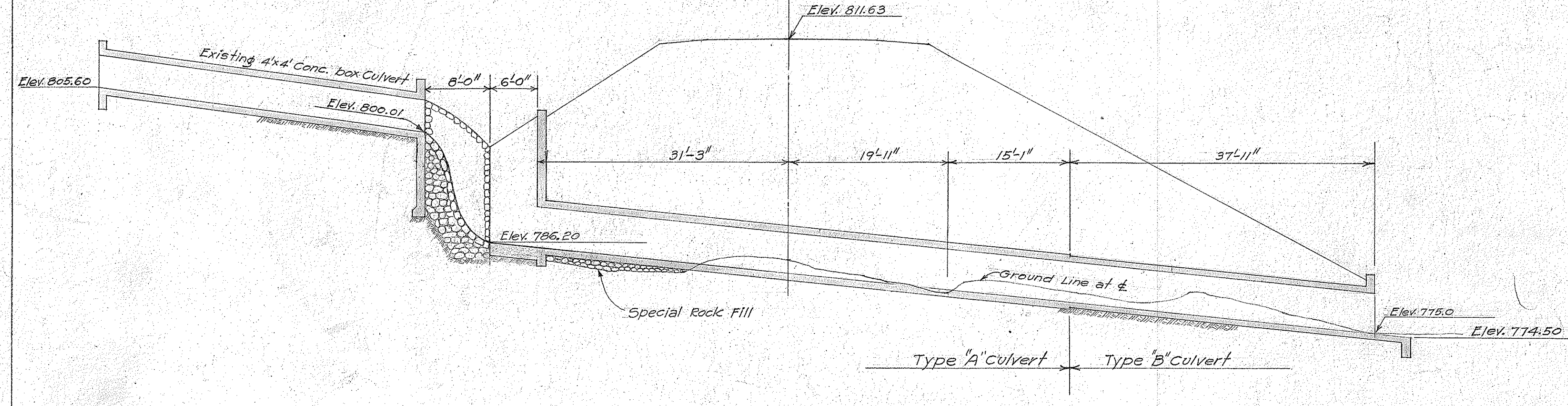




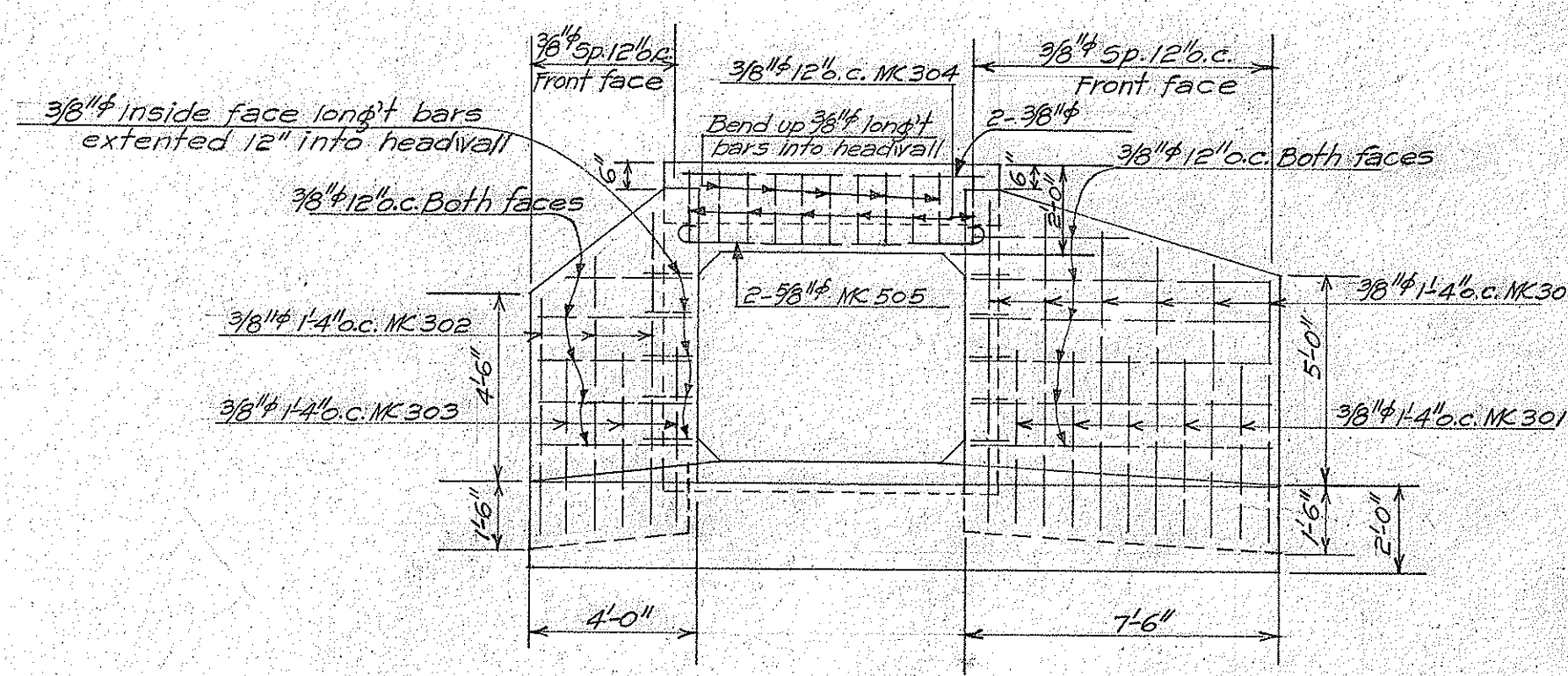
LAYOUT PLAN
Scale 1"=10'



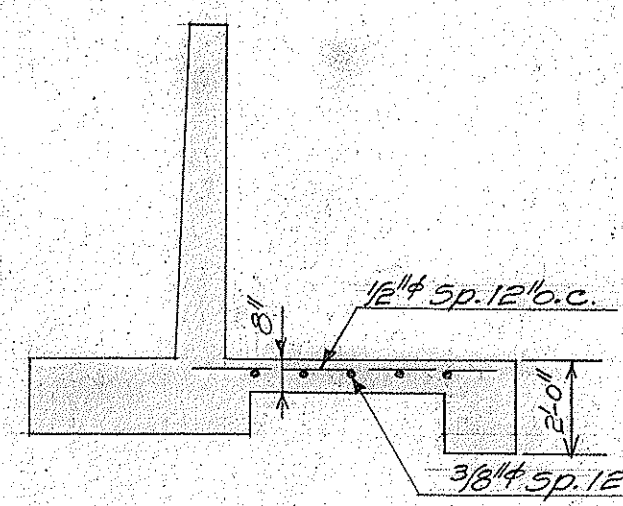
PLAN OF APRON REINF.
Scale 1/4"=1'-0"

PLAN
Scale 1/4"=1'-0"

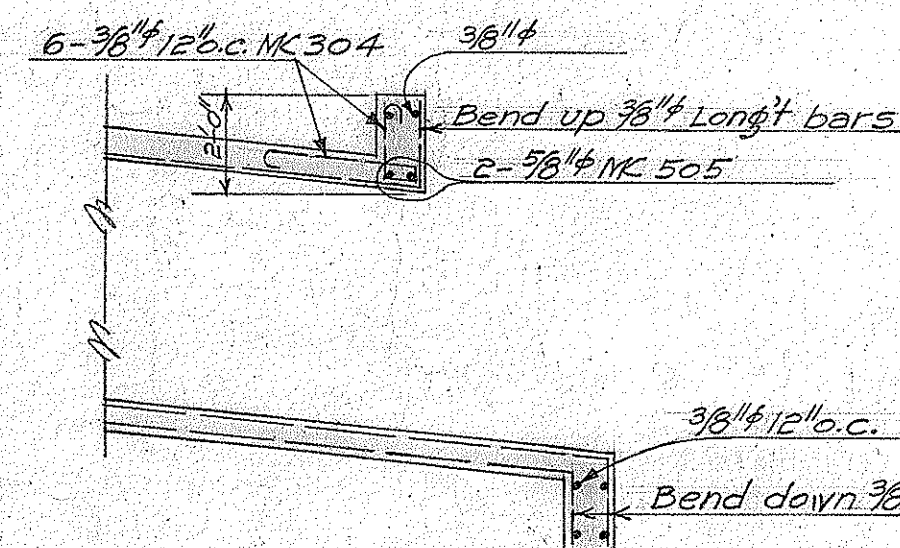
SECT. D-D
Scale 3/8"=1'-0"



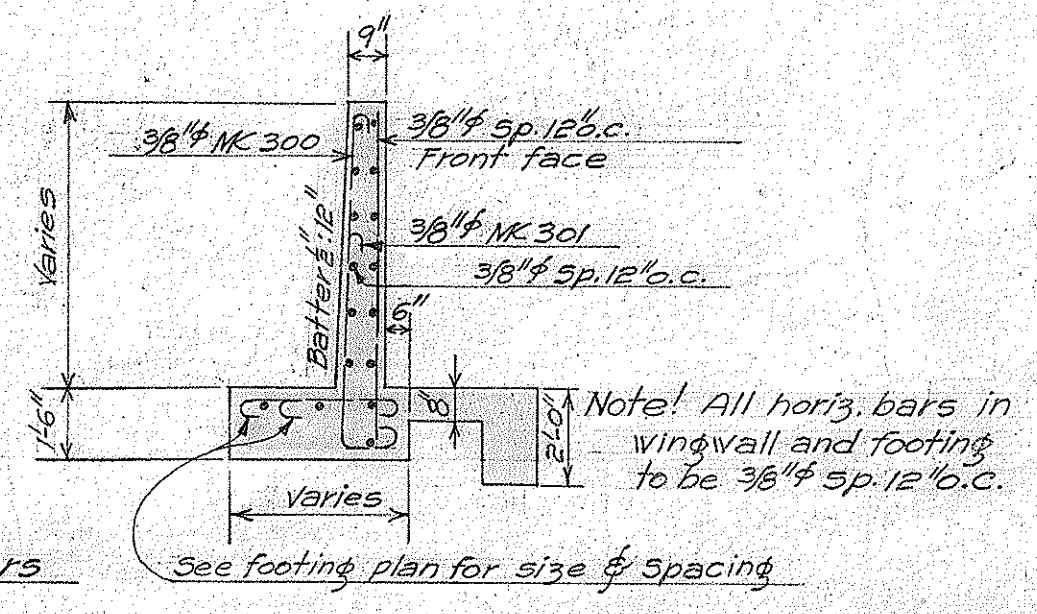
SECT. B-B
Scale 1/4"=1'-0"



SECT. C-C
Scale 1/4"=1'-0"



SECT. A-A
Scale 1/4"=1'-0"



ESTIMATED QUANTITIES

Class "A" conc.	88.3 C.Y.
Reinf. Steel	10,071 LBS
Structure Exc.	90.0 C.Y.
Special Rock Fill	21.0 C.Y.
C.R.M. Paving	3.0 C.Y.
24" circ. conc. culv't	7.25 FT.
C.R.M.	19.0 C.Y.

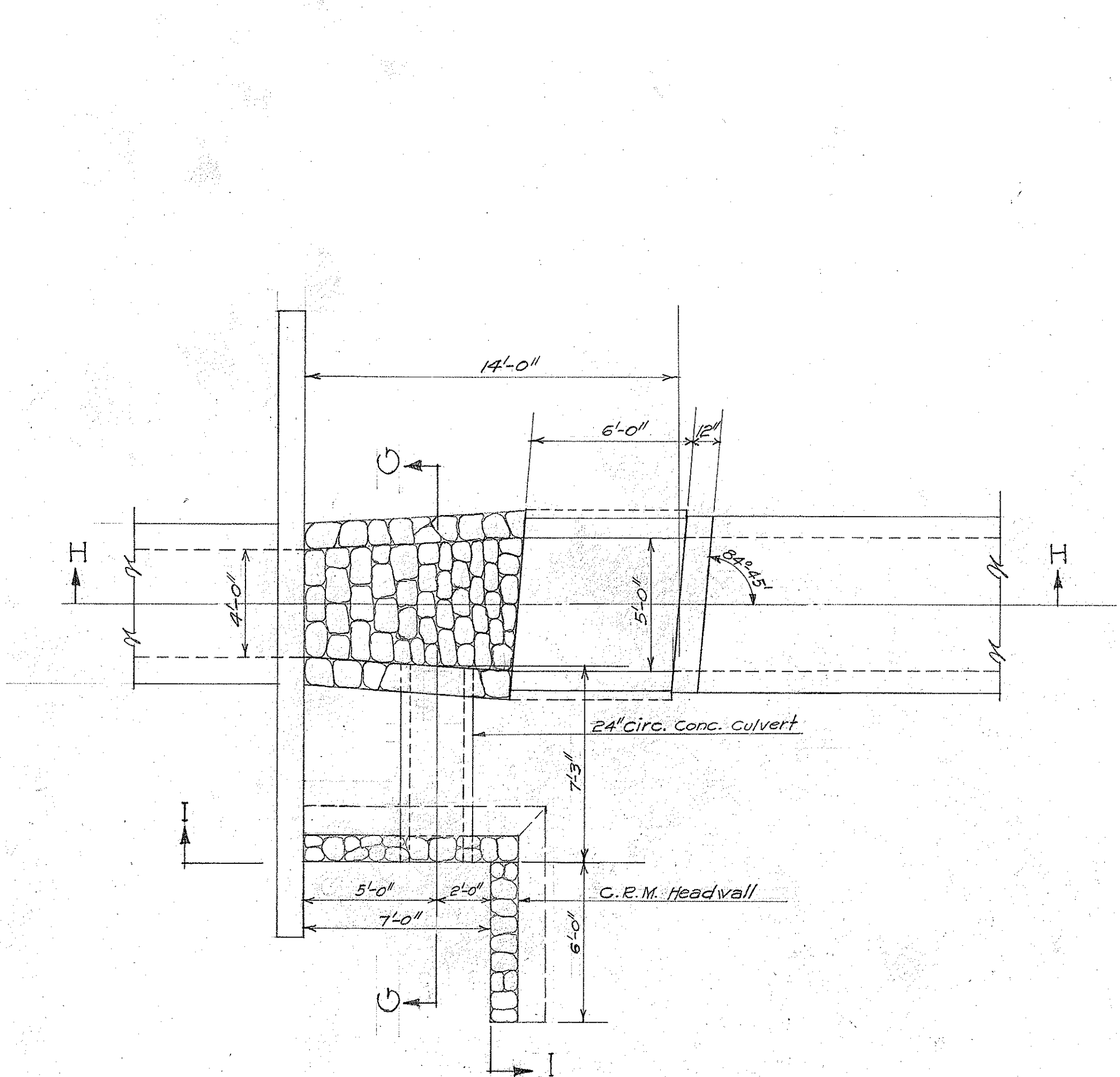
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

5' x 5' CONC. BOX CULV'T
STA. 697+09 F.A.P. 26-A

SHEET NO. 1 OF 2 SHEETS.

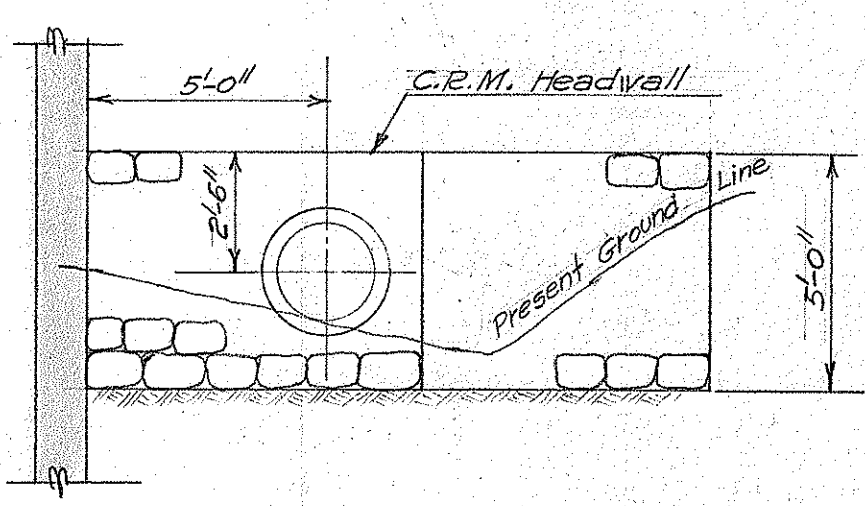
ORIGINAL SURVEY PLOTTED BY DATE
DESIGNED BY W.E. Barthelemy
DRAWN BY F. Kang
QUANTITIES BY B.C. & C.C. Barthelemy
CHECKED BY W.E. Barthelemy

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	26A	1938	9	51

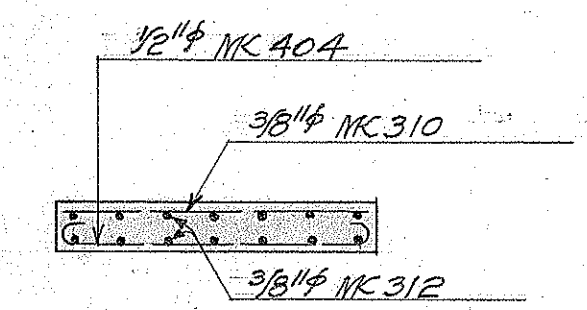


CONSTRUCTION JOINT DETAIL

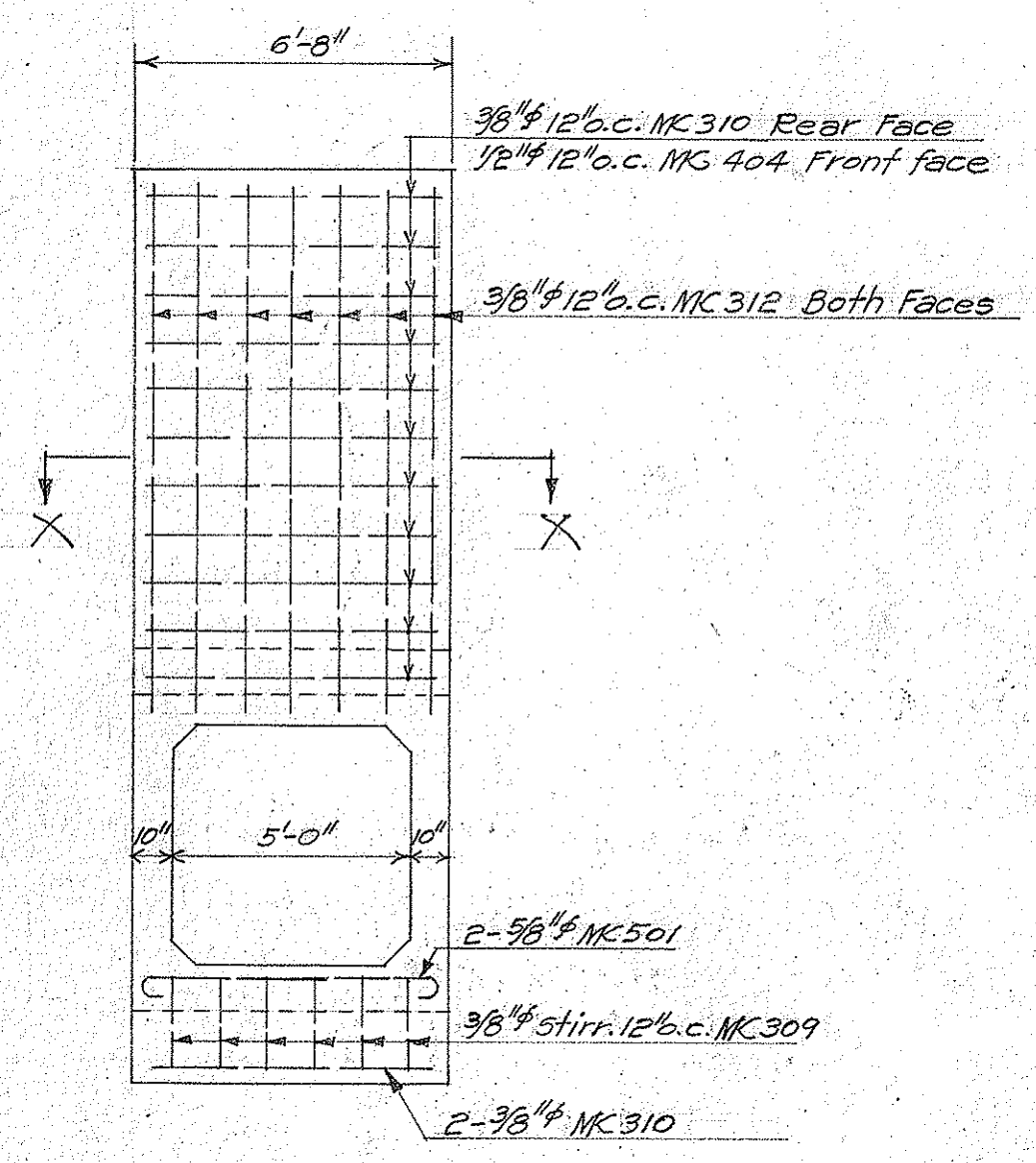
METHOD OF APPLYING WATERPROOFING
FIRST: Map surface 18" either side of joint with asphalt 85-100 penetration applied at 200°F.
SECOND: Apply one layer of Eply roofing paper lapping 12" either side of joint, to hot asphalt, then map entire surface with a thick coat of hot asphalt as specified above.



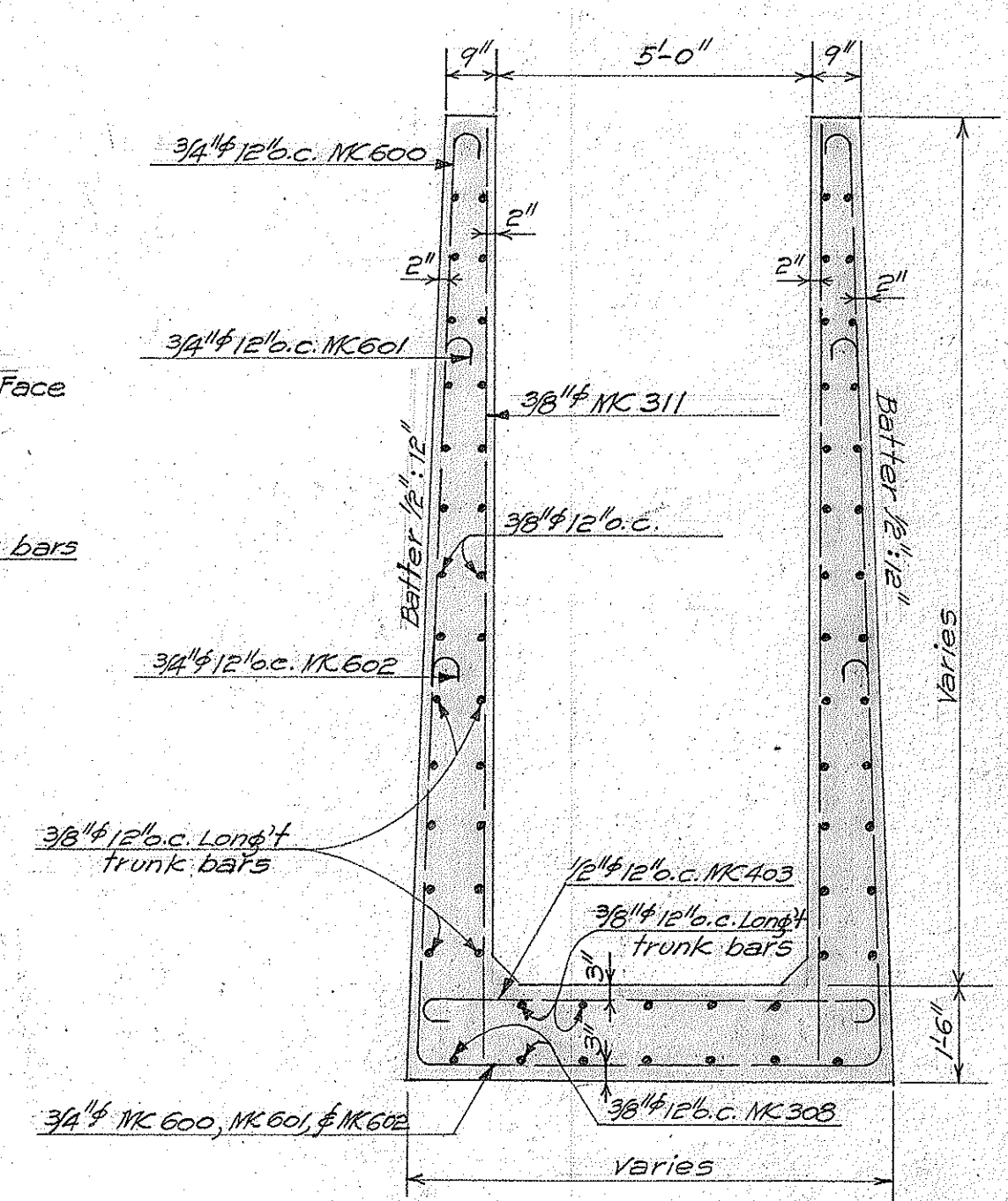
SECT. X-X



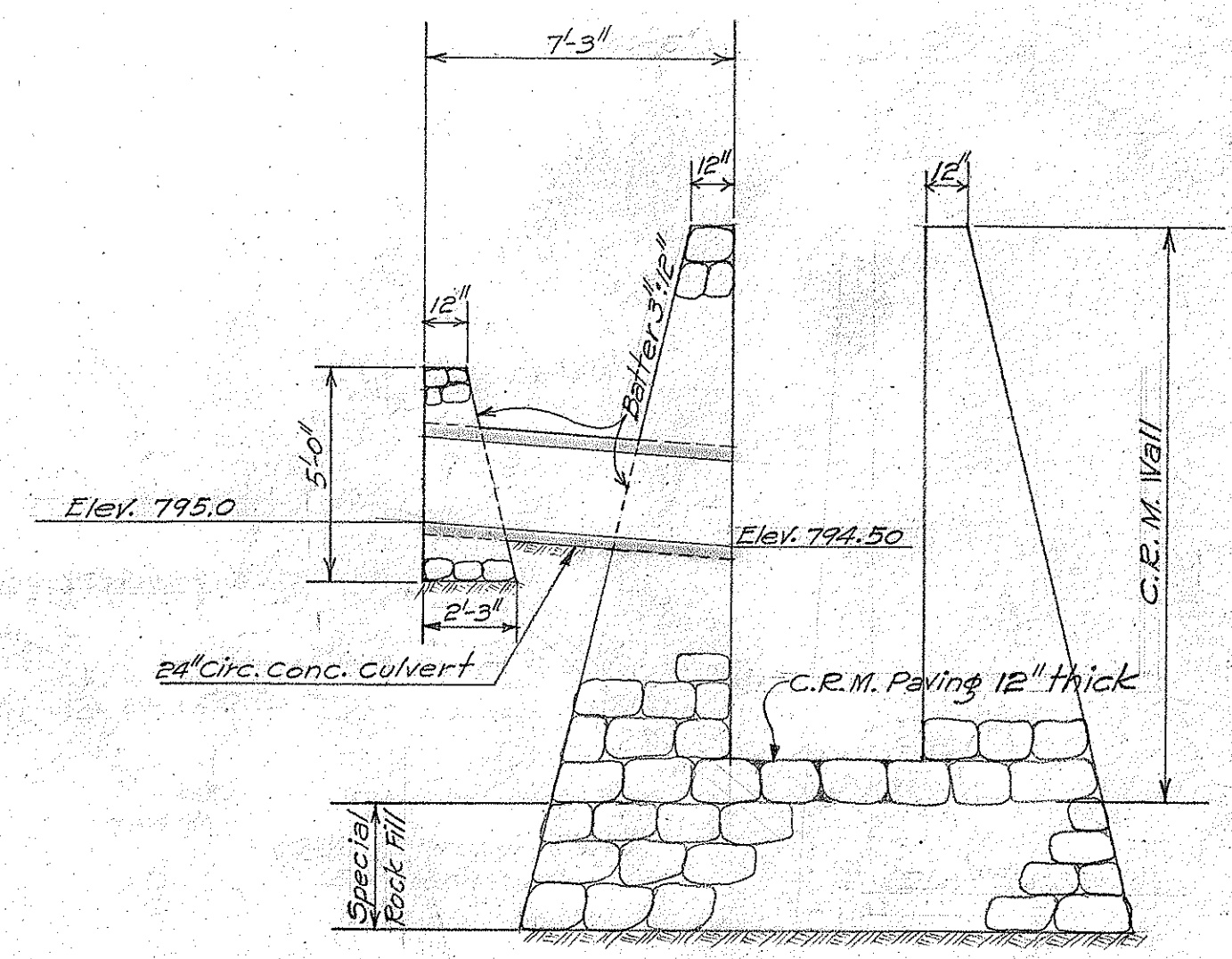
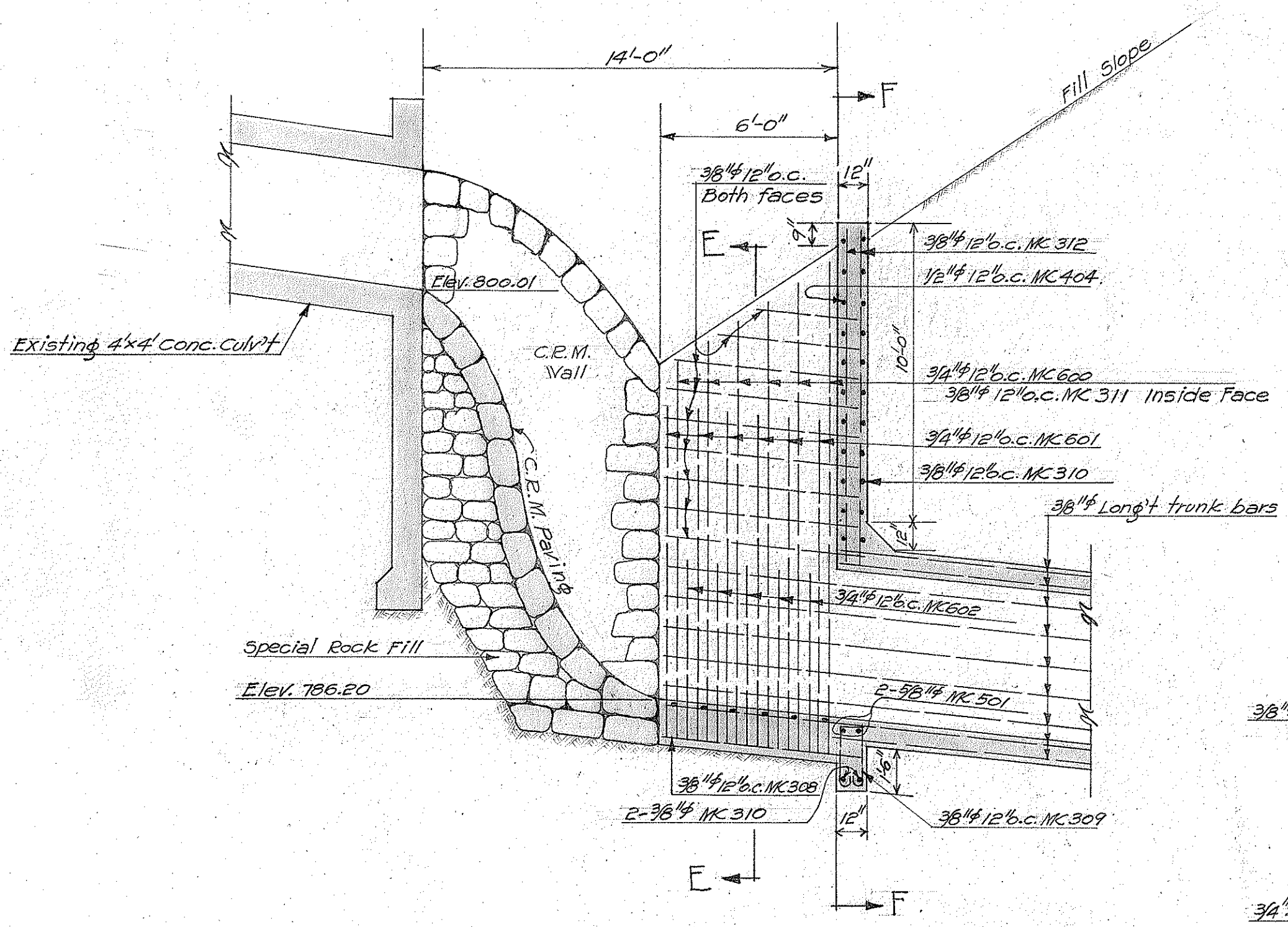
SECTION F-F Scale 1/4"=1'-0"



SECTION E-E Scale 3/8"=1'-0"



SECTION H-H Scale 1/4"=1'-0"



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

5'X5' CONC. BOX CULV'T
STA. 697+09 F.A.P. 26-A

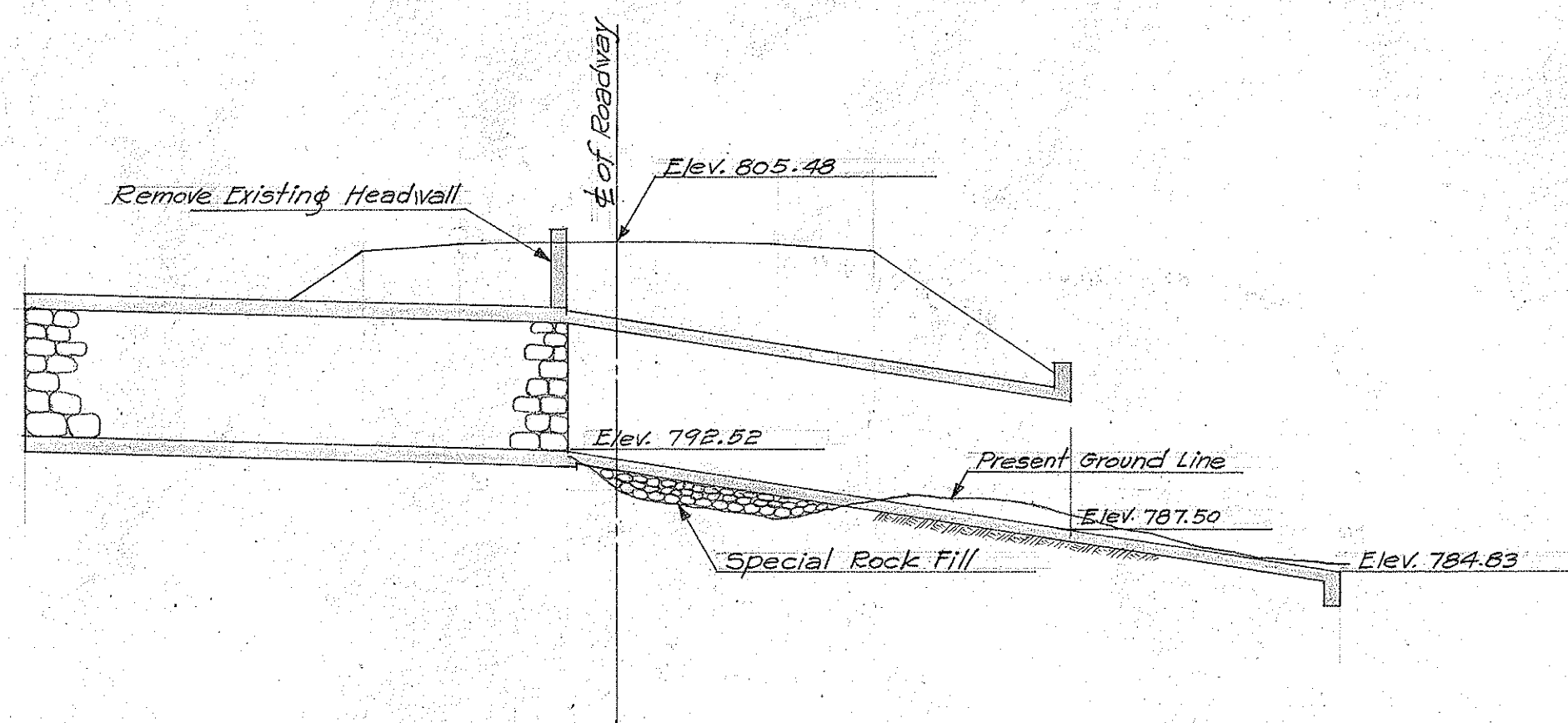
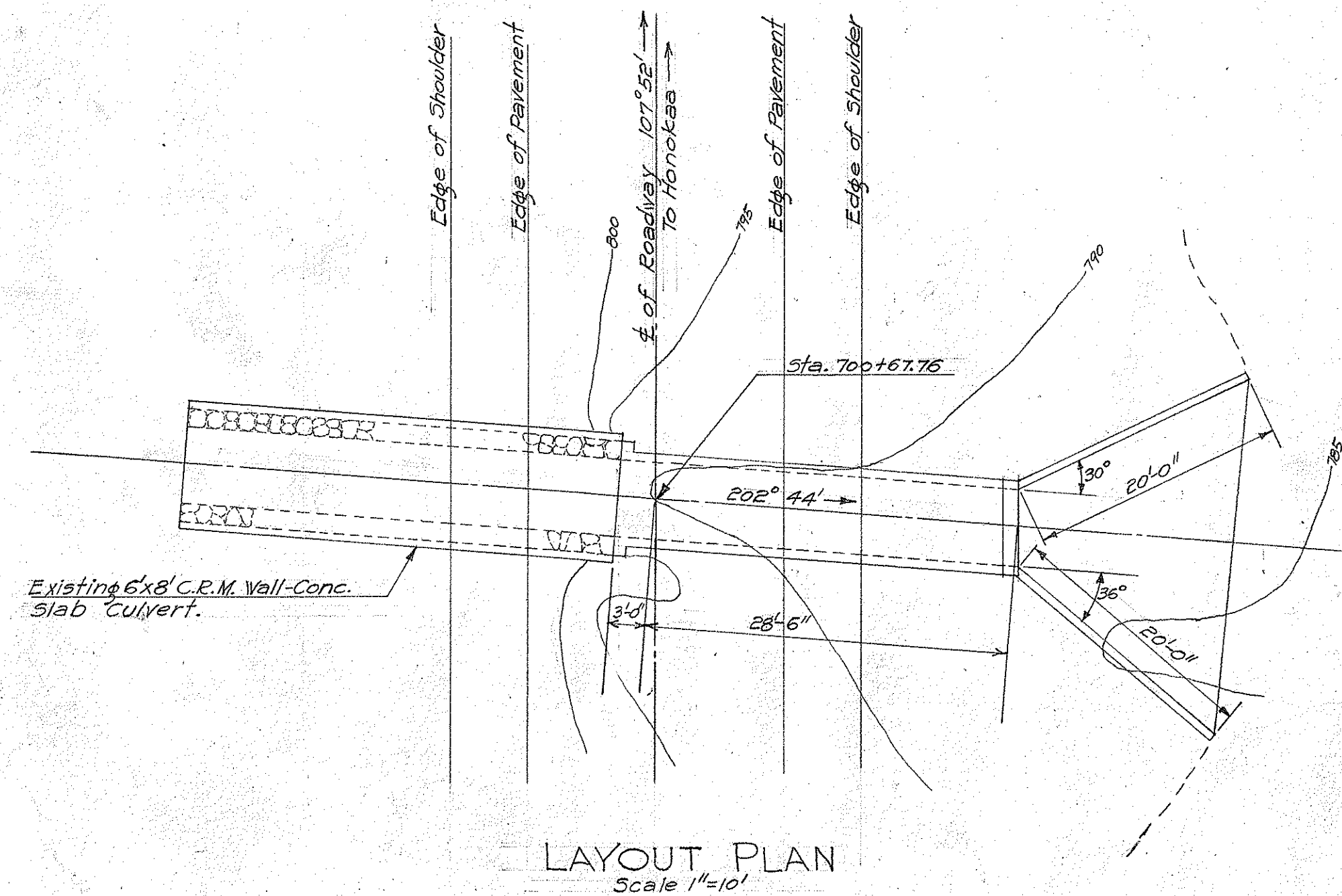
SHEET NO. 2 OF 2 SHEETS

4441.9

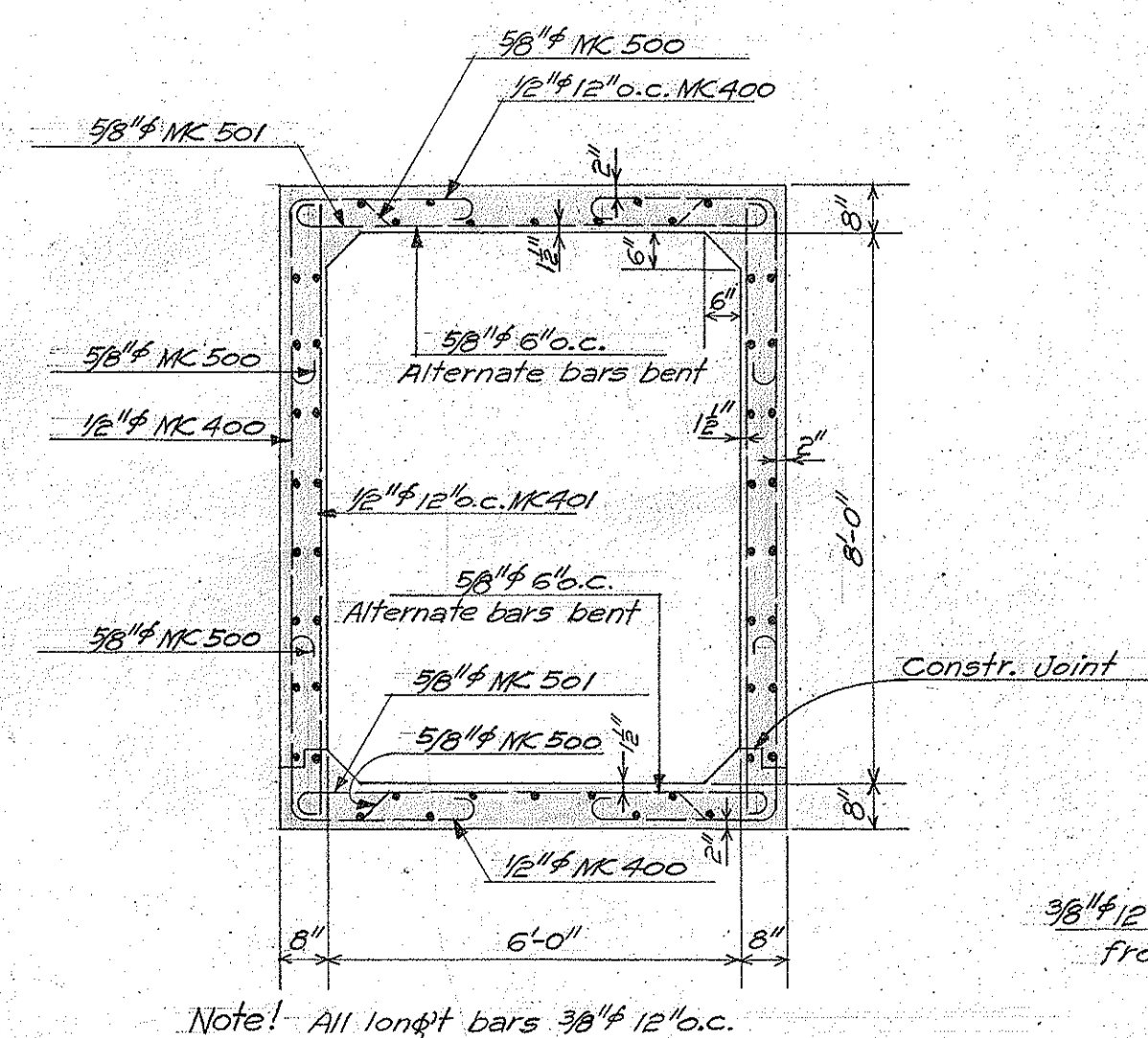
4441.10

ORIGINAL PLAN	DESIGNED BY	DATE
NOTE BOOK	DRAWN BY	
	CHECKED BY	

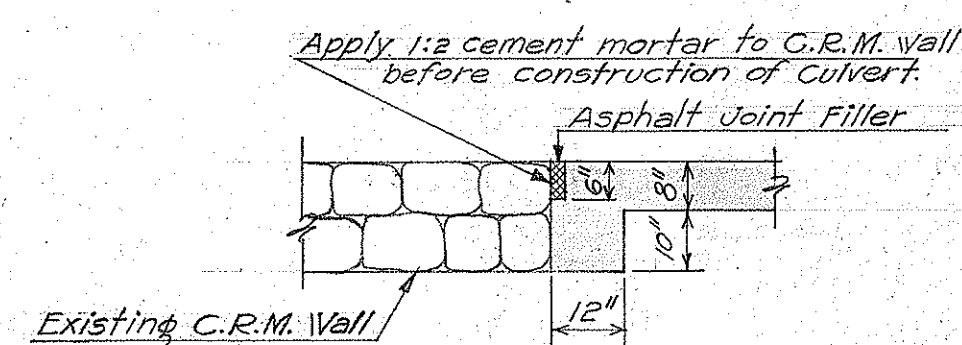
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	26A	1938	10	51



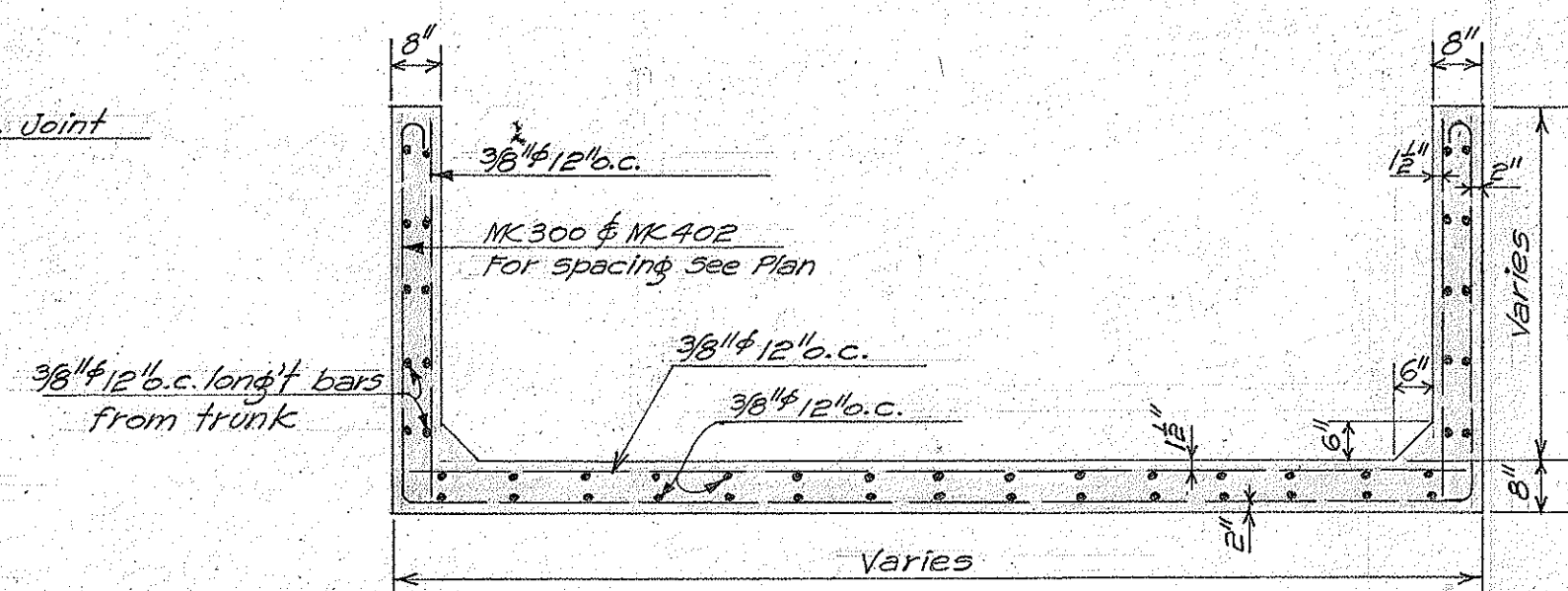
SECT. ALONG $\perp$ OF CULVERT
Scale 1"=10'



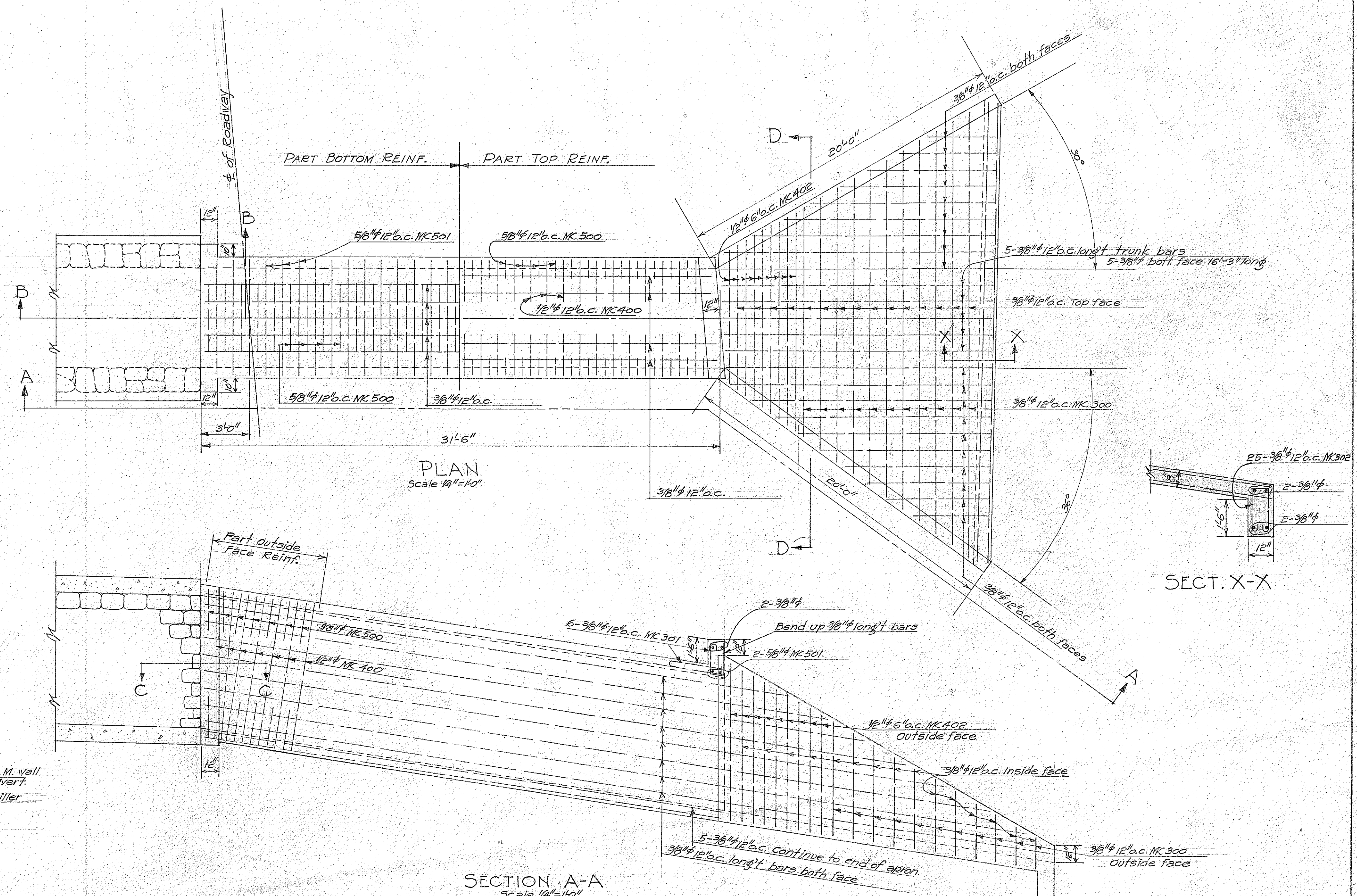
NORMAL SECTION
Scale $\frac{3}{8}'' = 1'-0''$



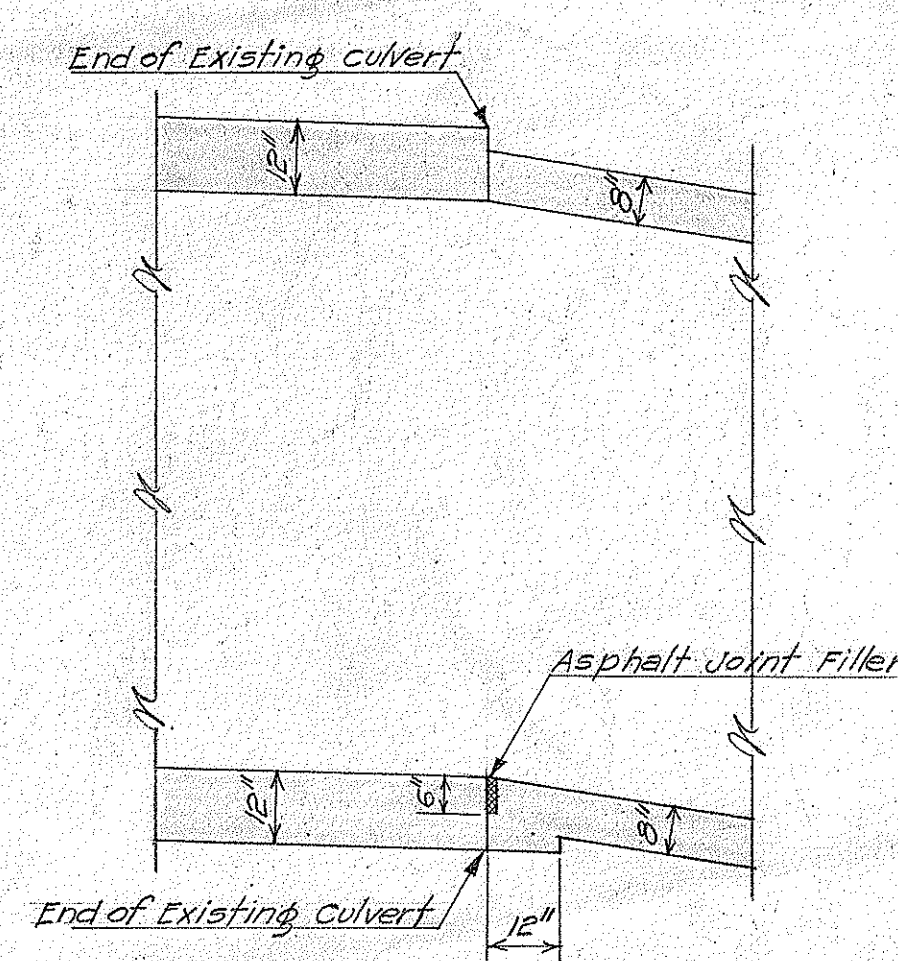
SECTION C-C
Scale 3/8" = 1'-0"



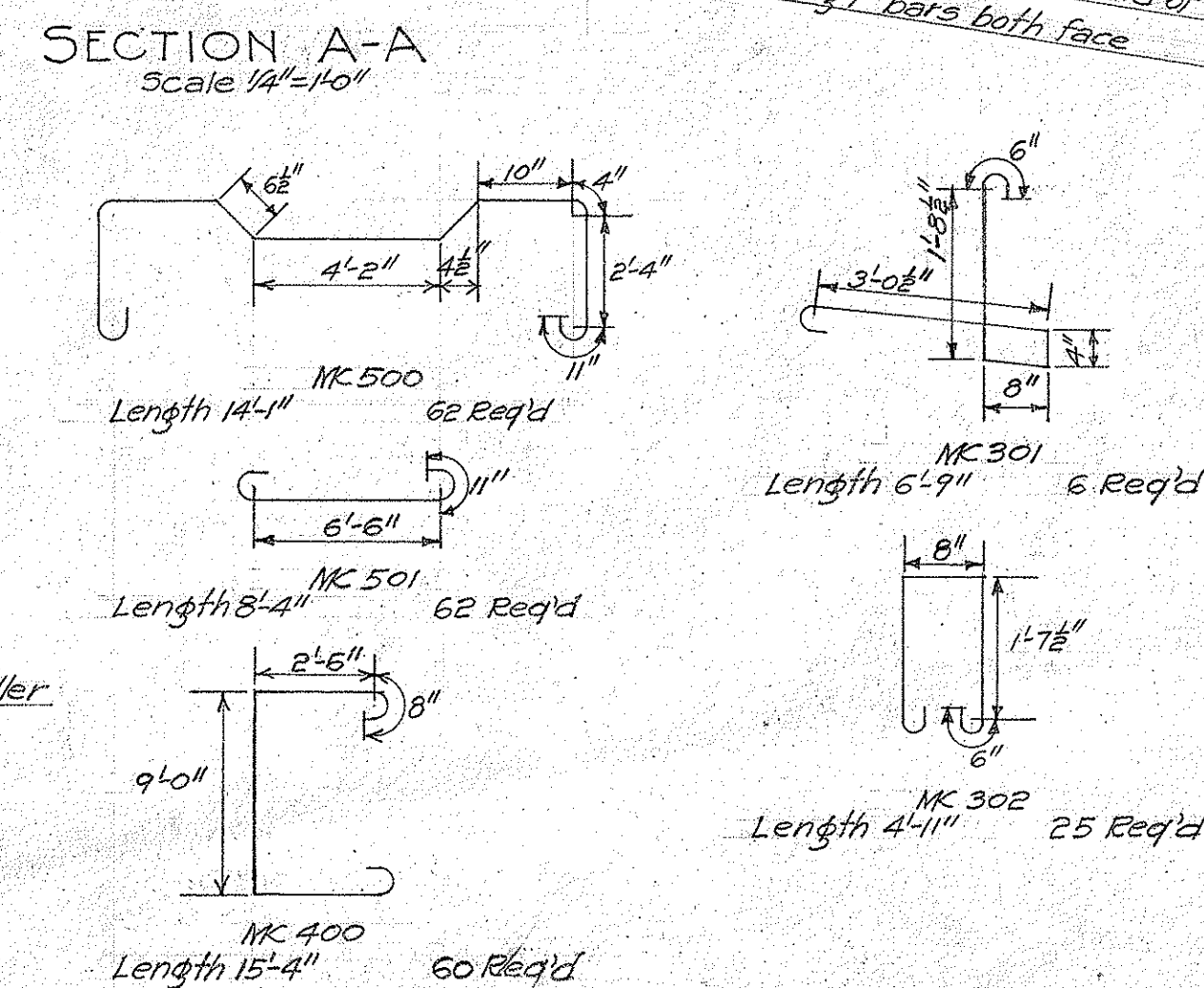
SECTION D-D
Scale $\frac{3}{8}'' = 1'-0''$



SECT. X-X



SECTION B-B



ESTIMATED QUANTITIES	
Class "A" Conc.	40.5 C.Y.
Reinf. Steel	3960 LBS.
Structure Exc.	30.0 C.Y.
Special Rock Fill	7.0 C.Y.
Channel Exc.	5.0 C.Y.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

6'X8' CONC. BOX CULVERT
STA. 700+67.76 F.A.P. 26-A