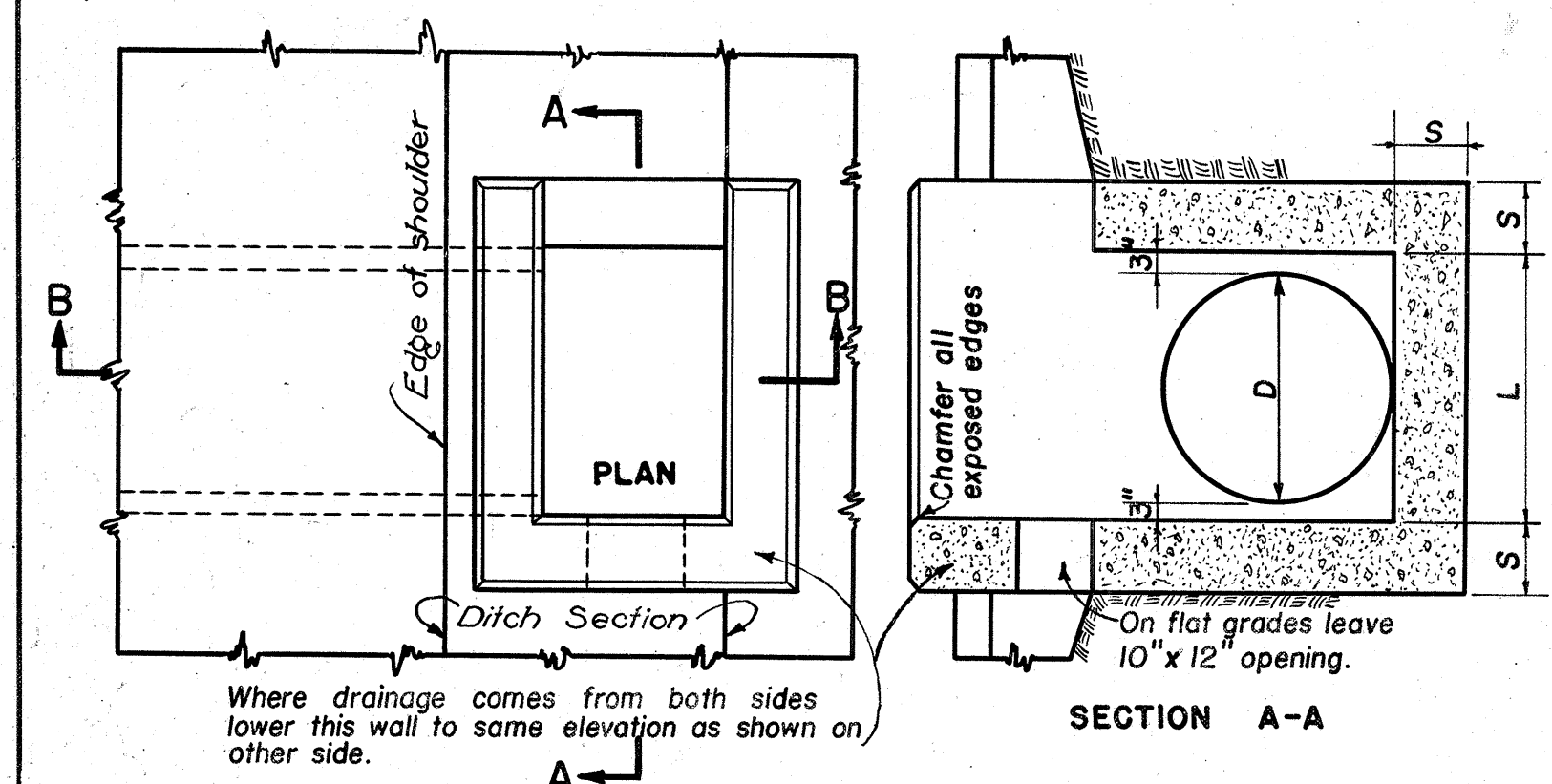
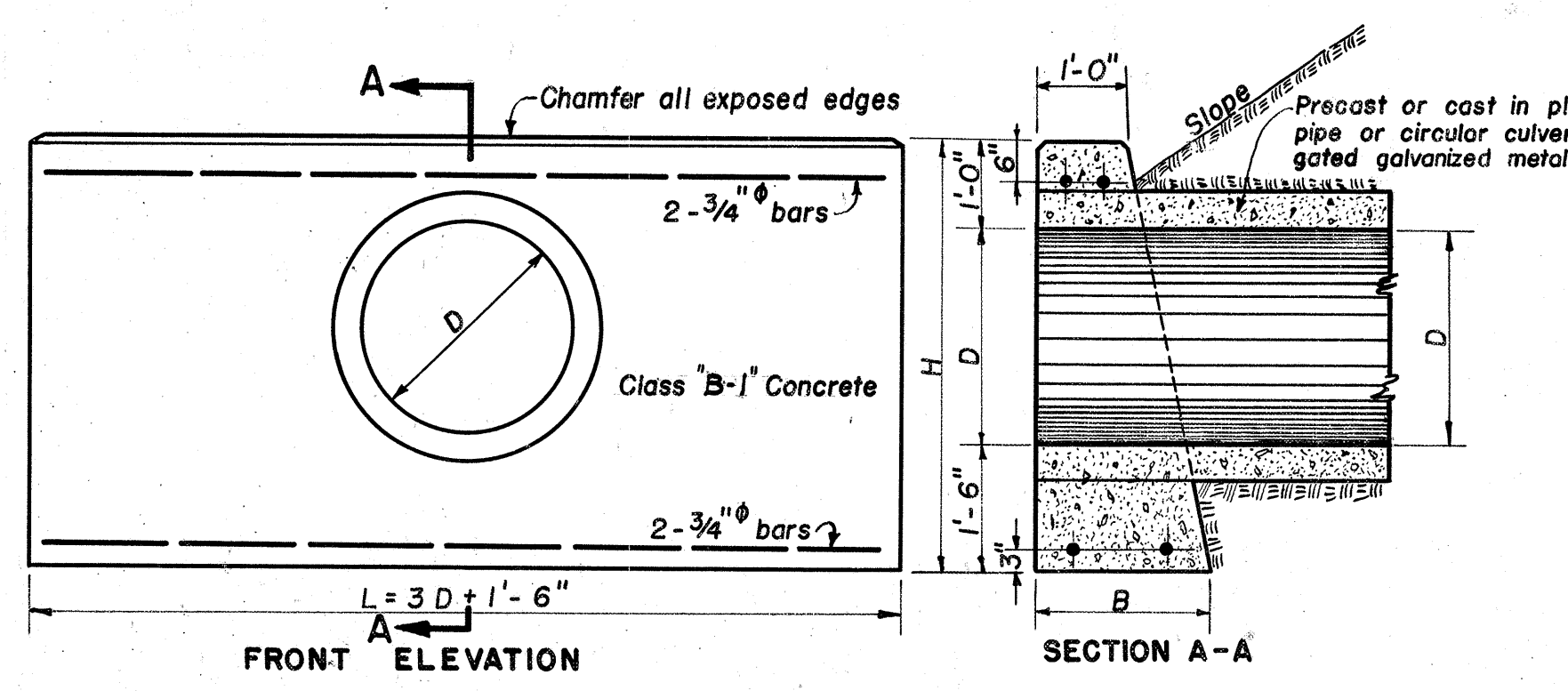
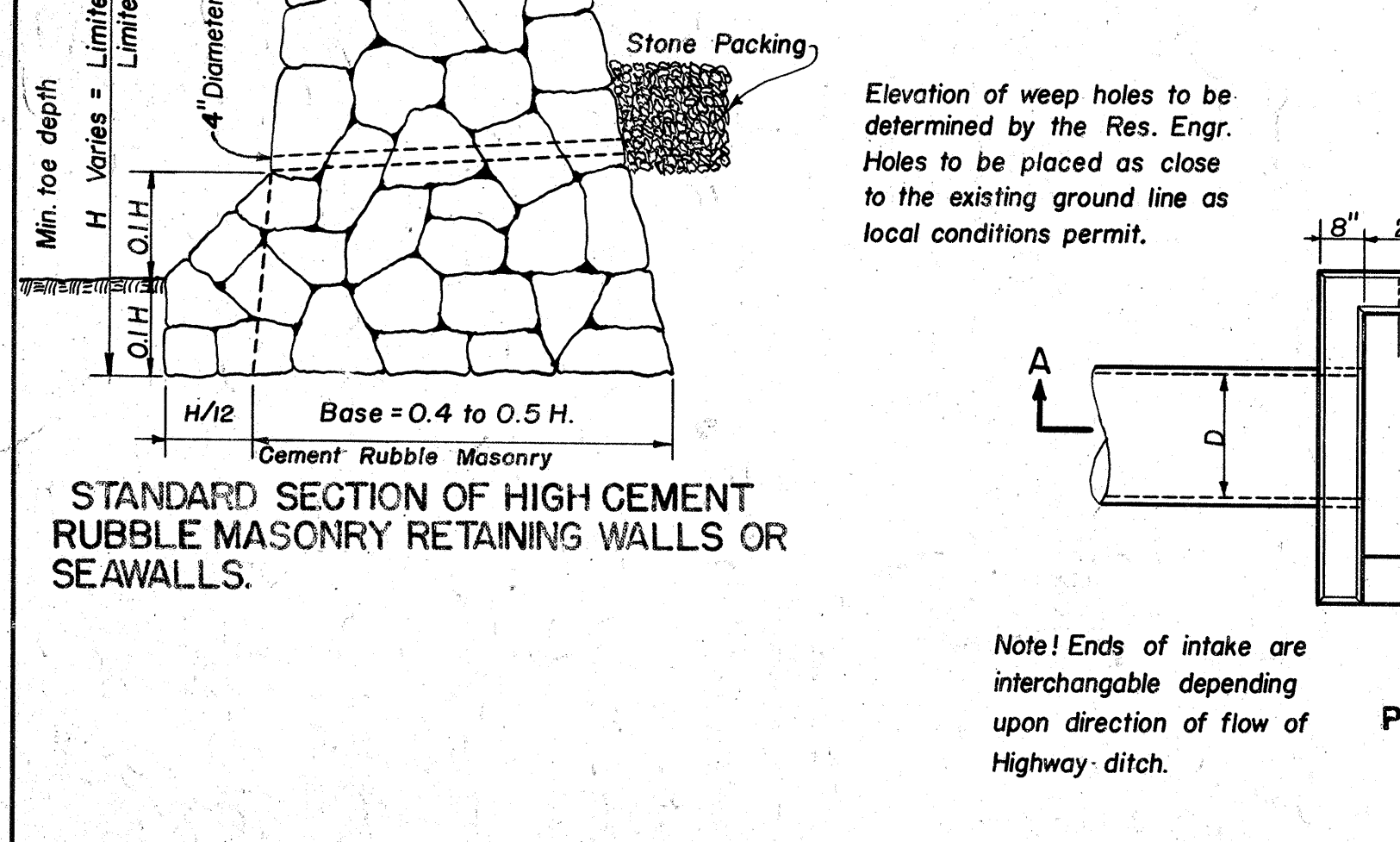
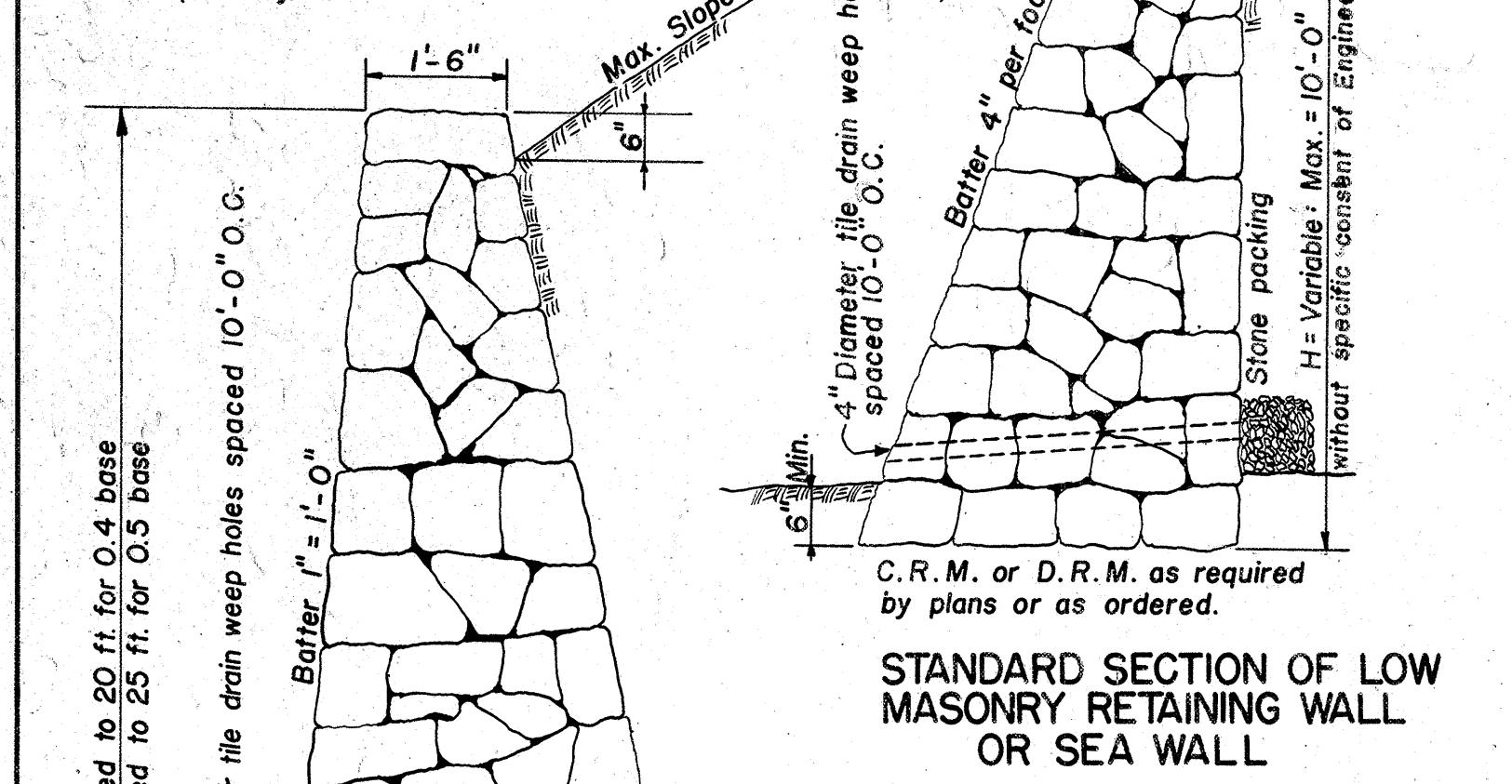
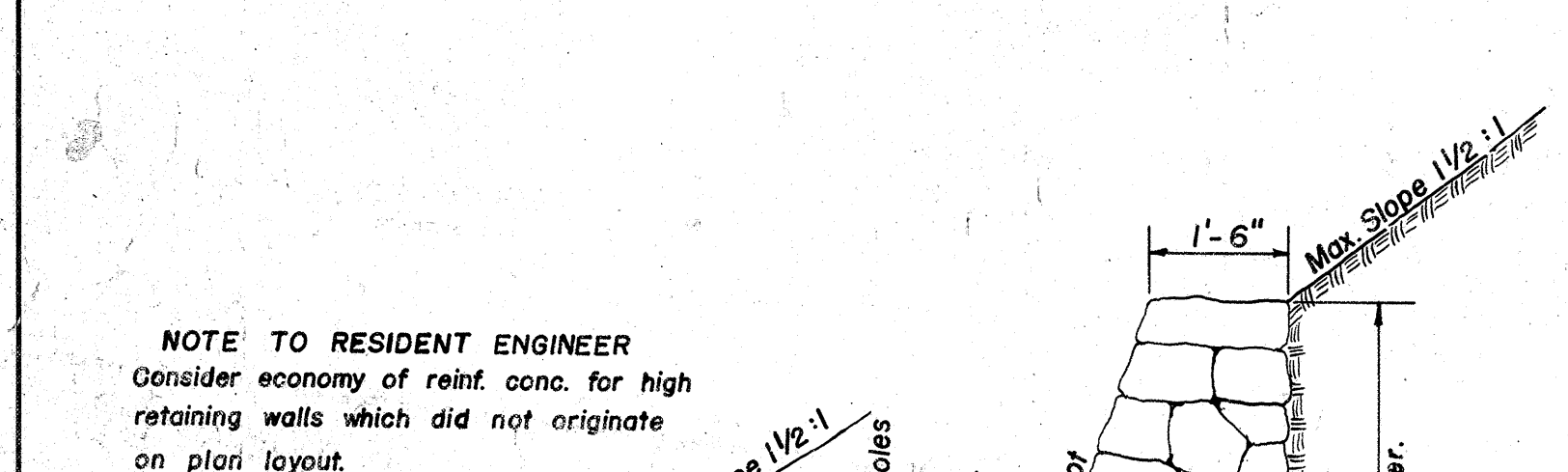
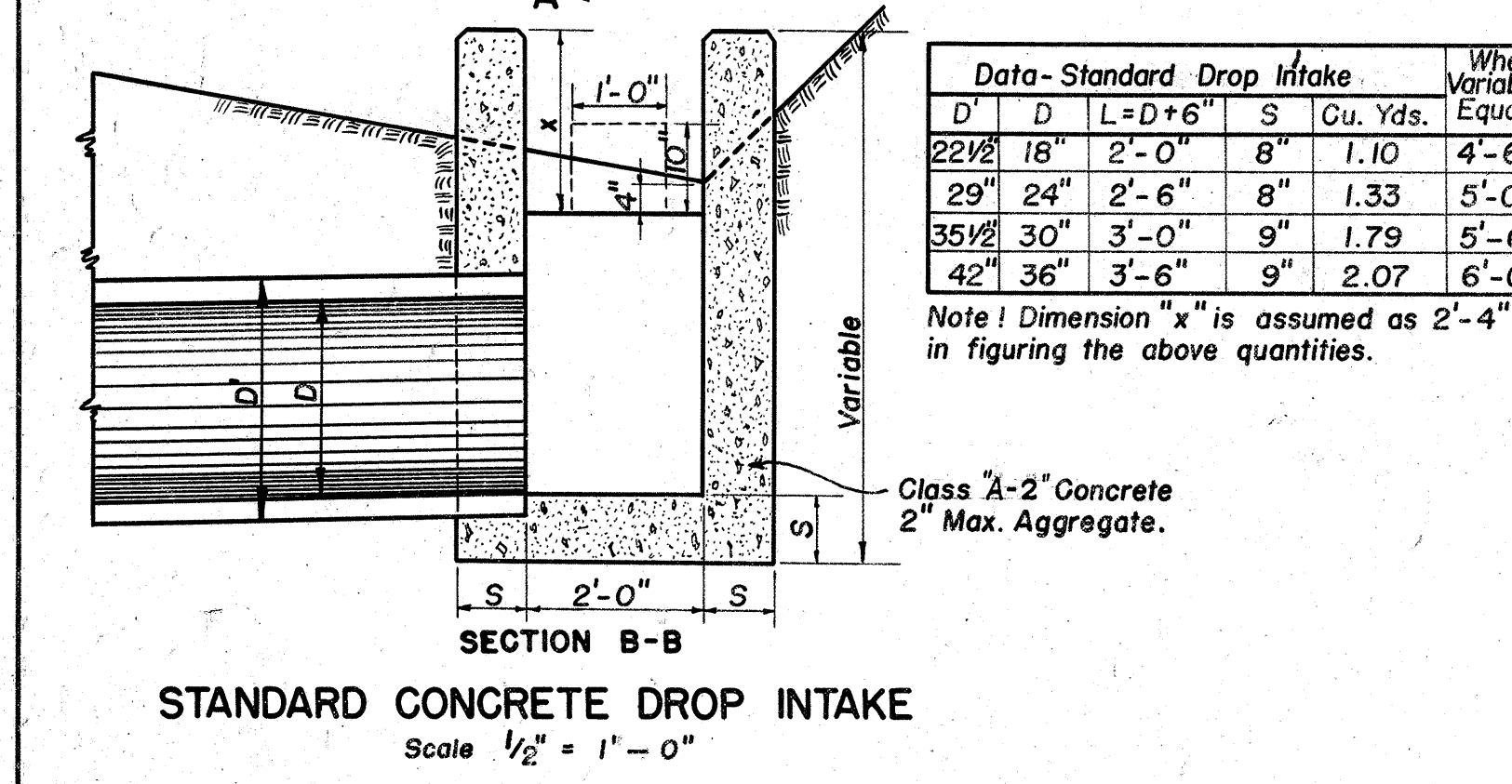


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FA-148(1)	1947	10	82



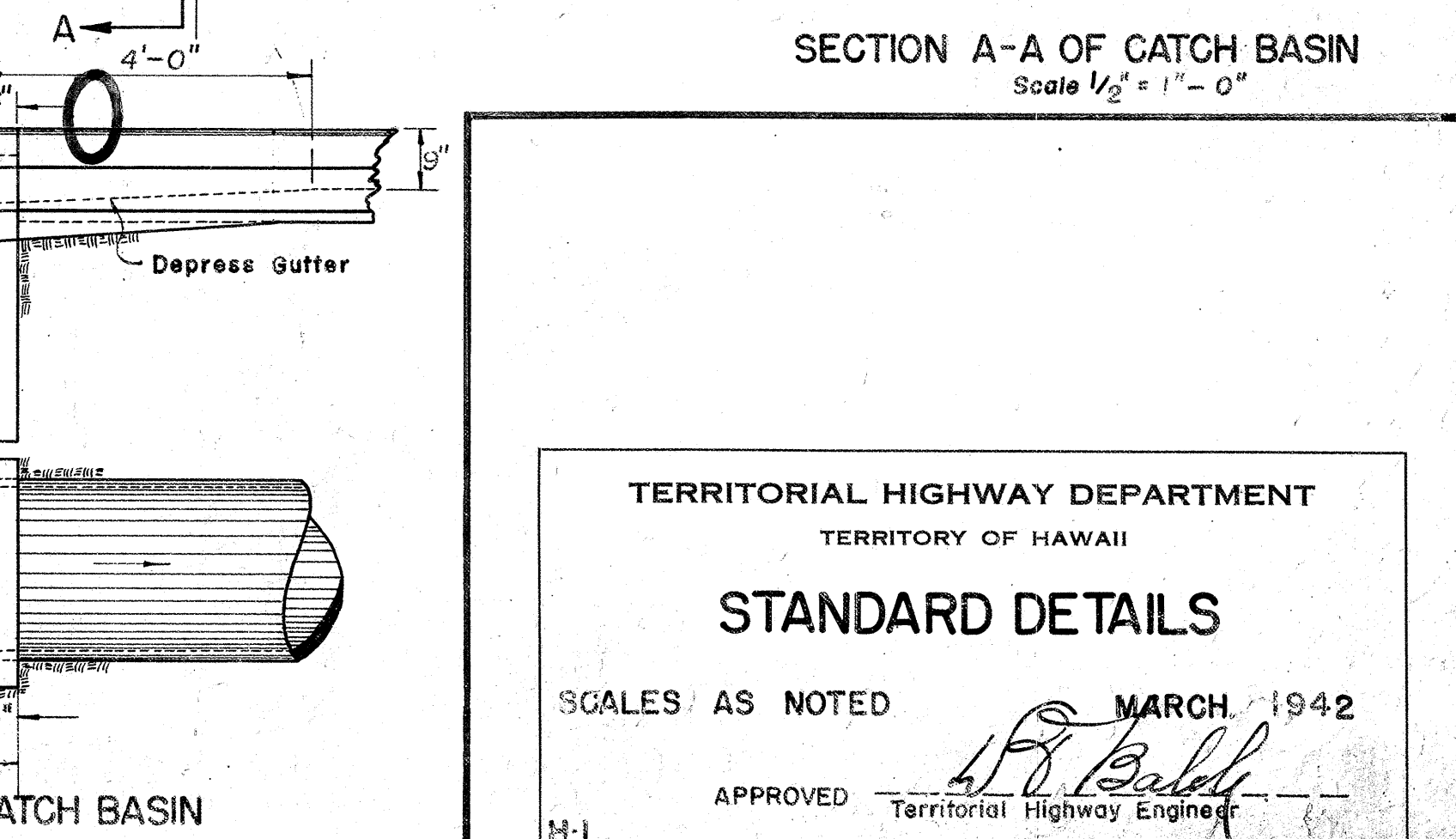
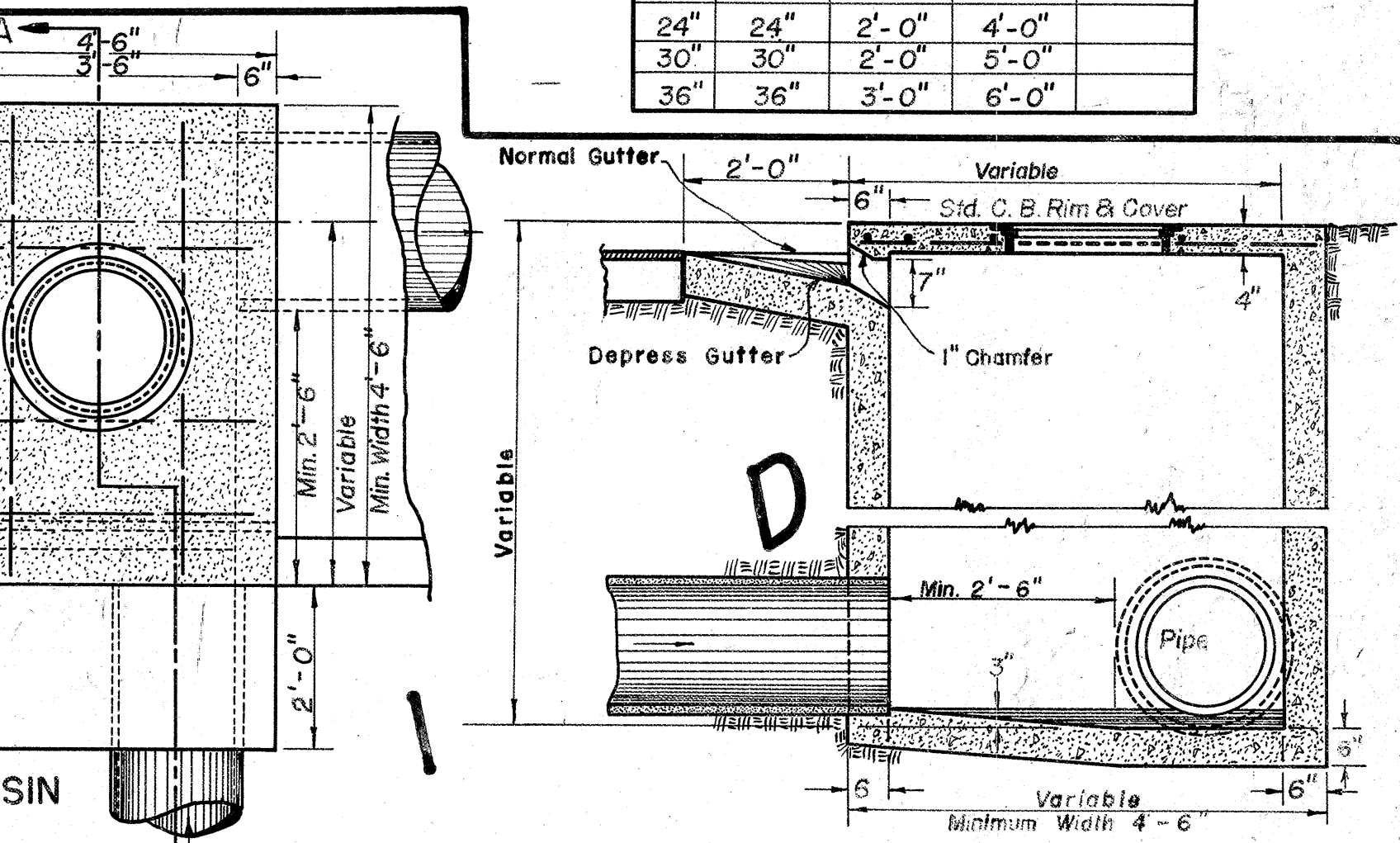
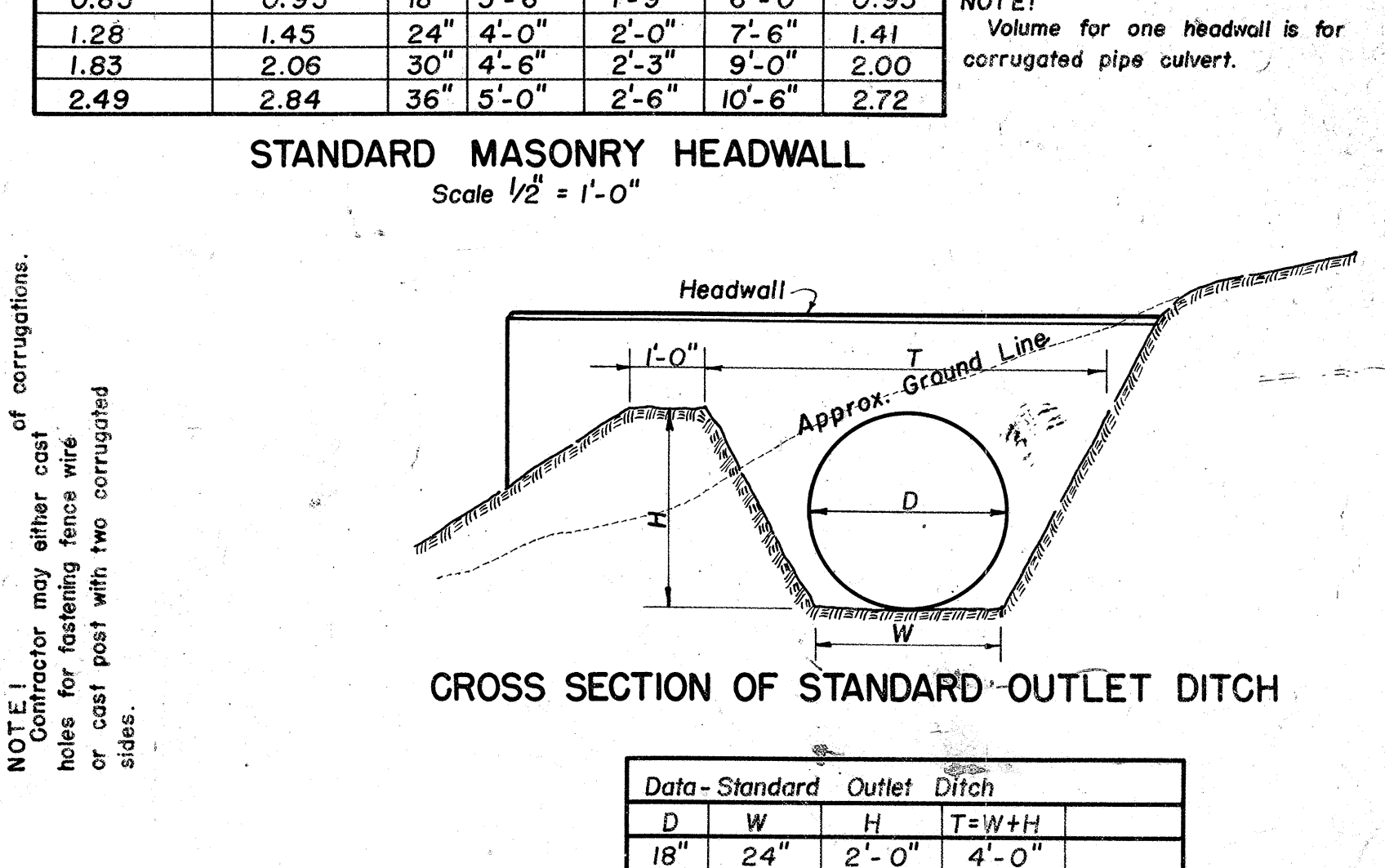
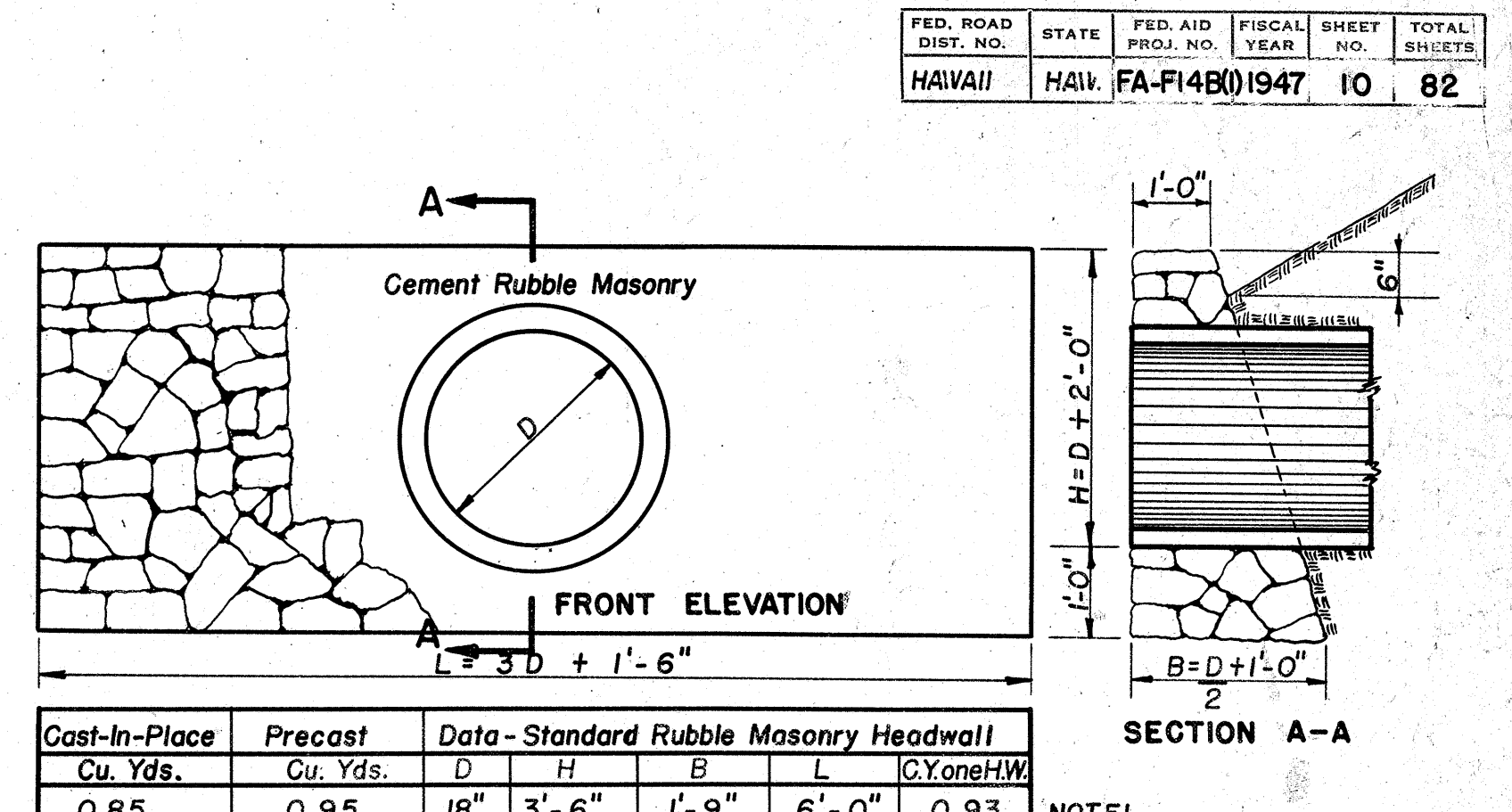
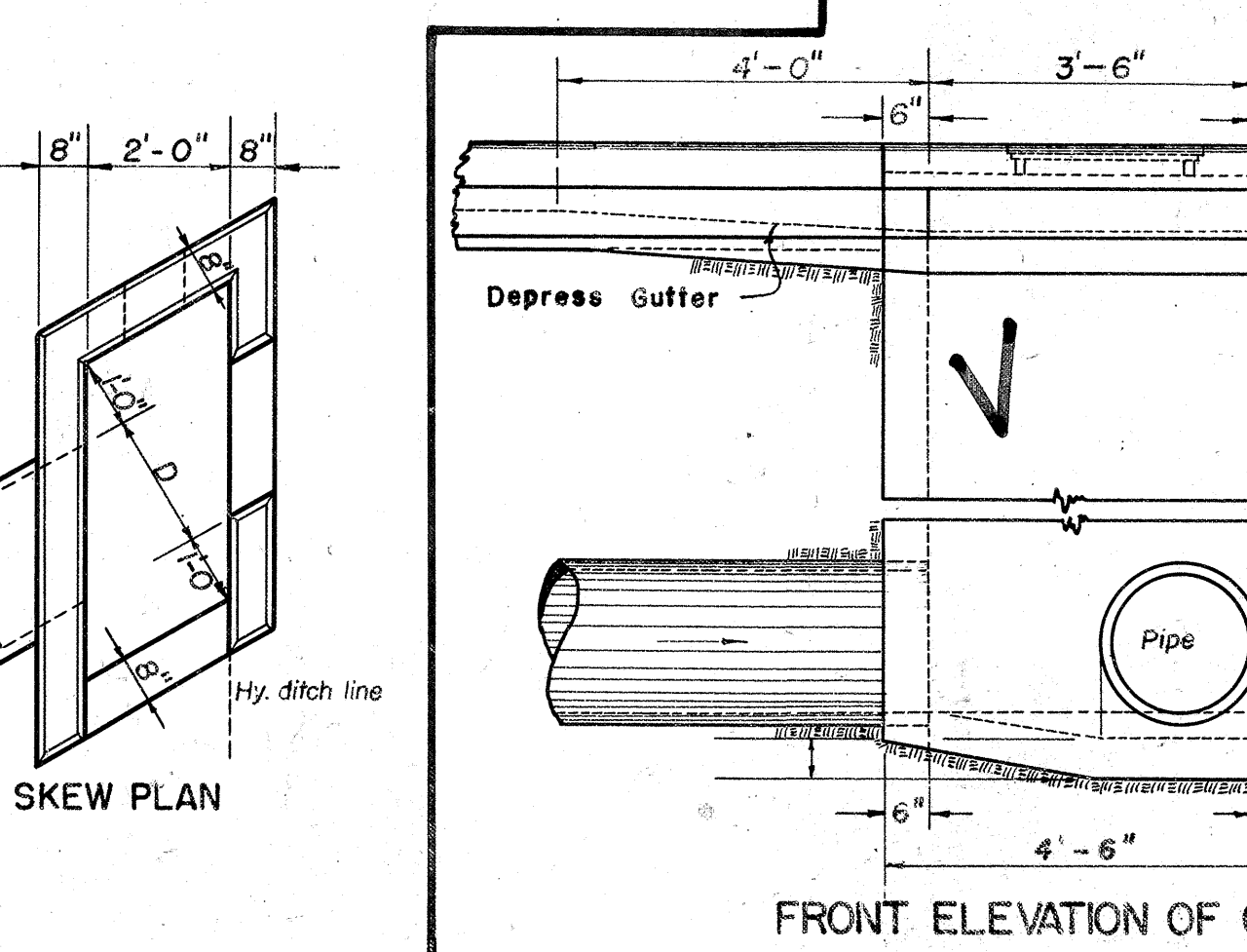
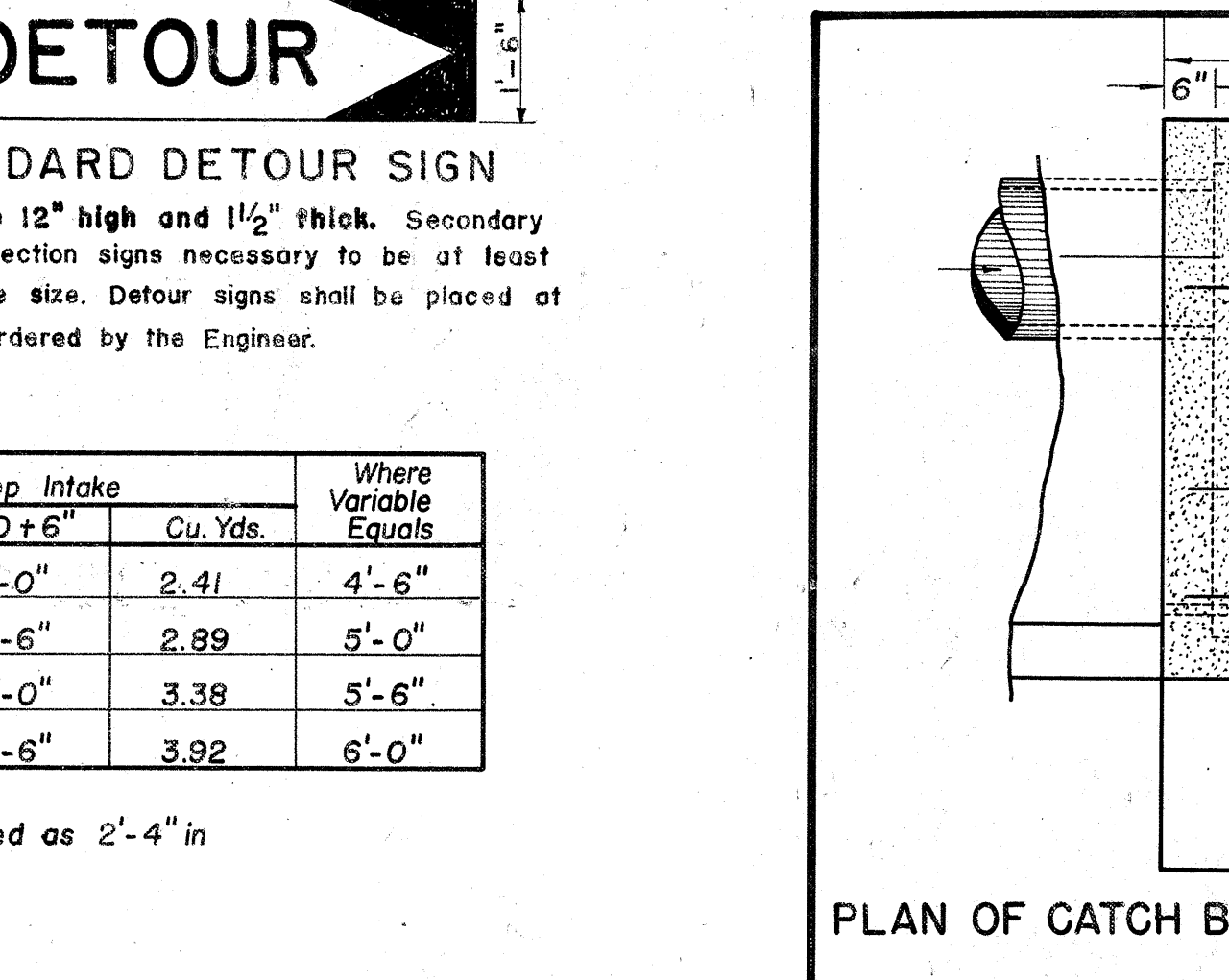
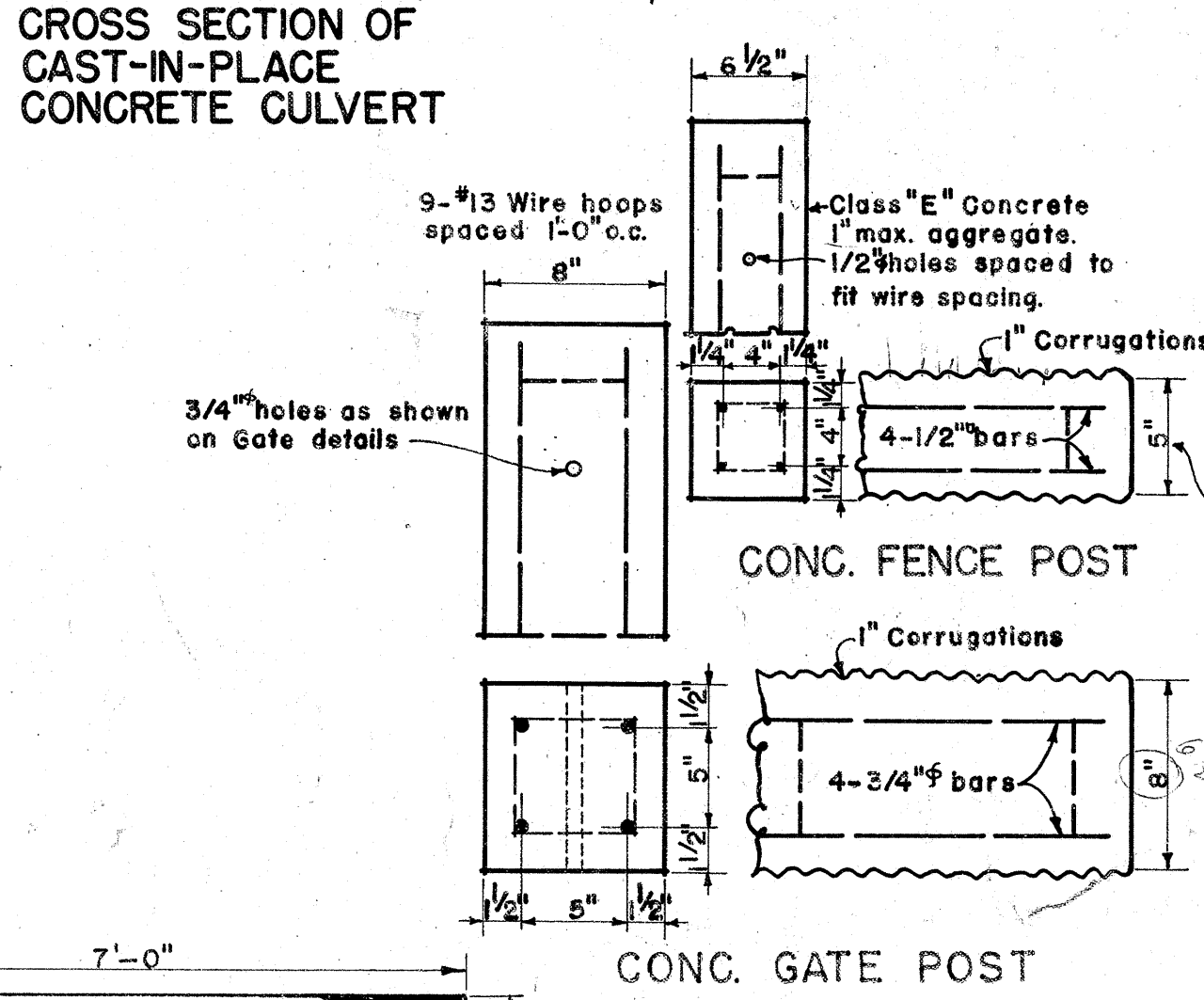
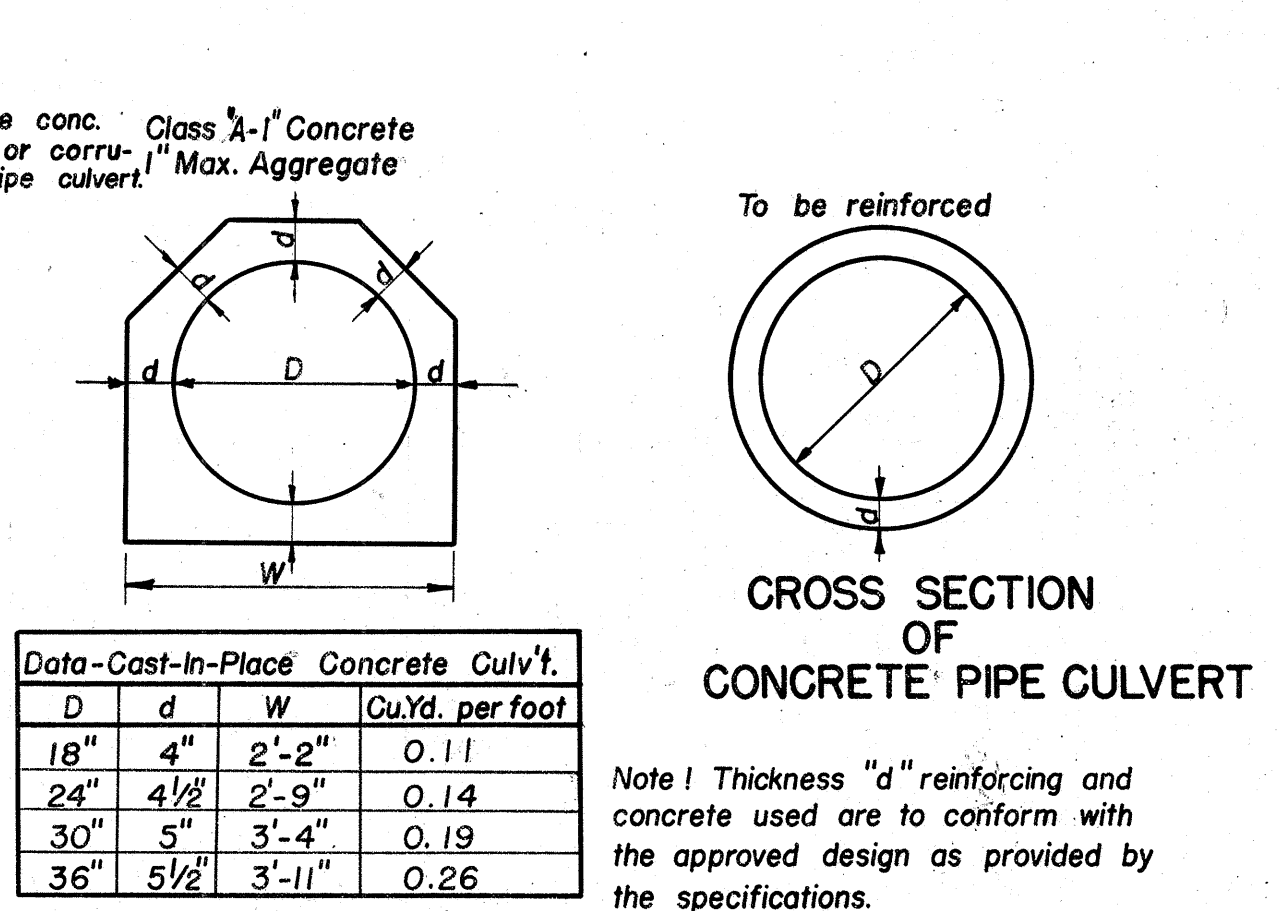
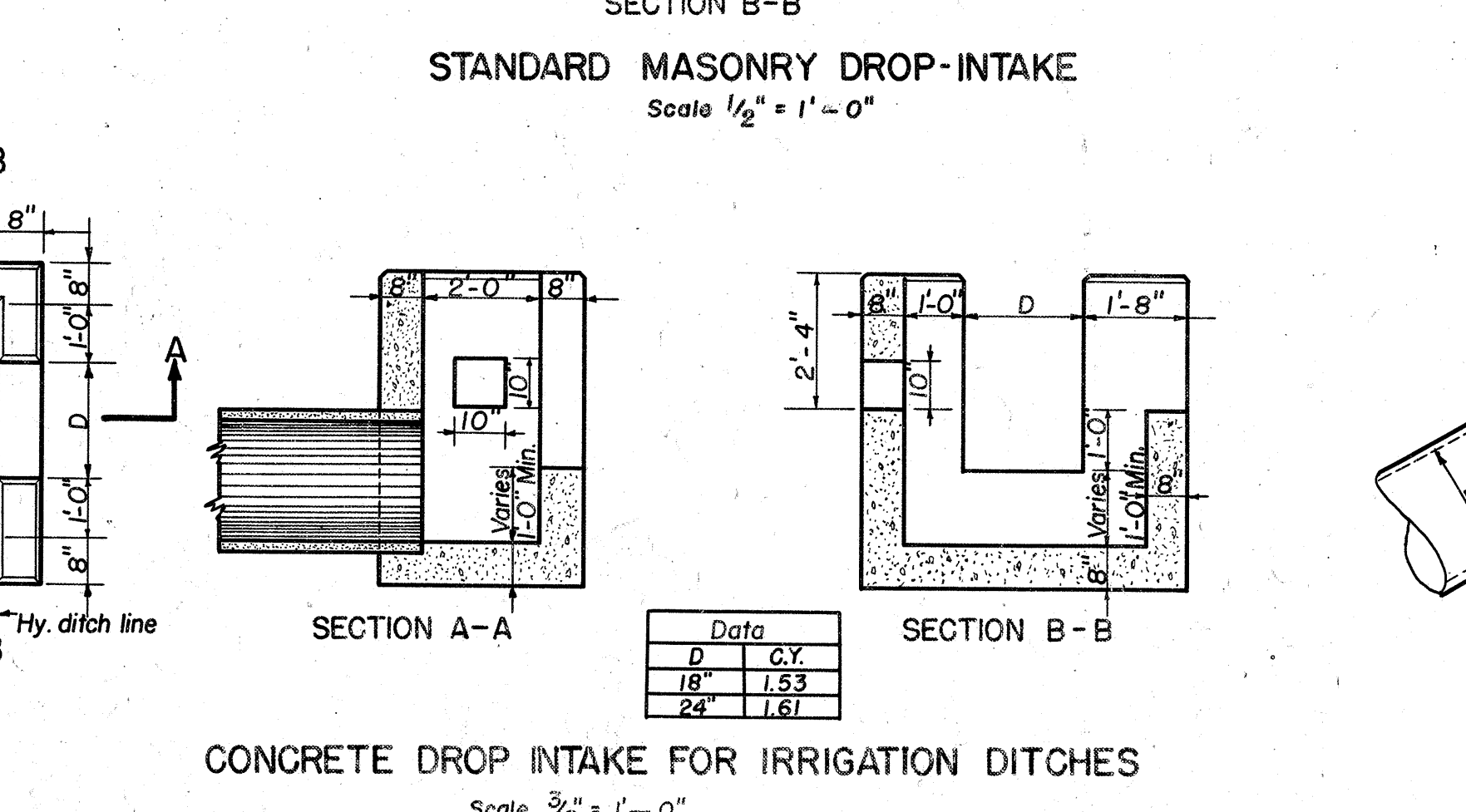
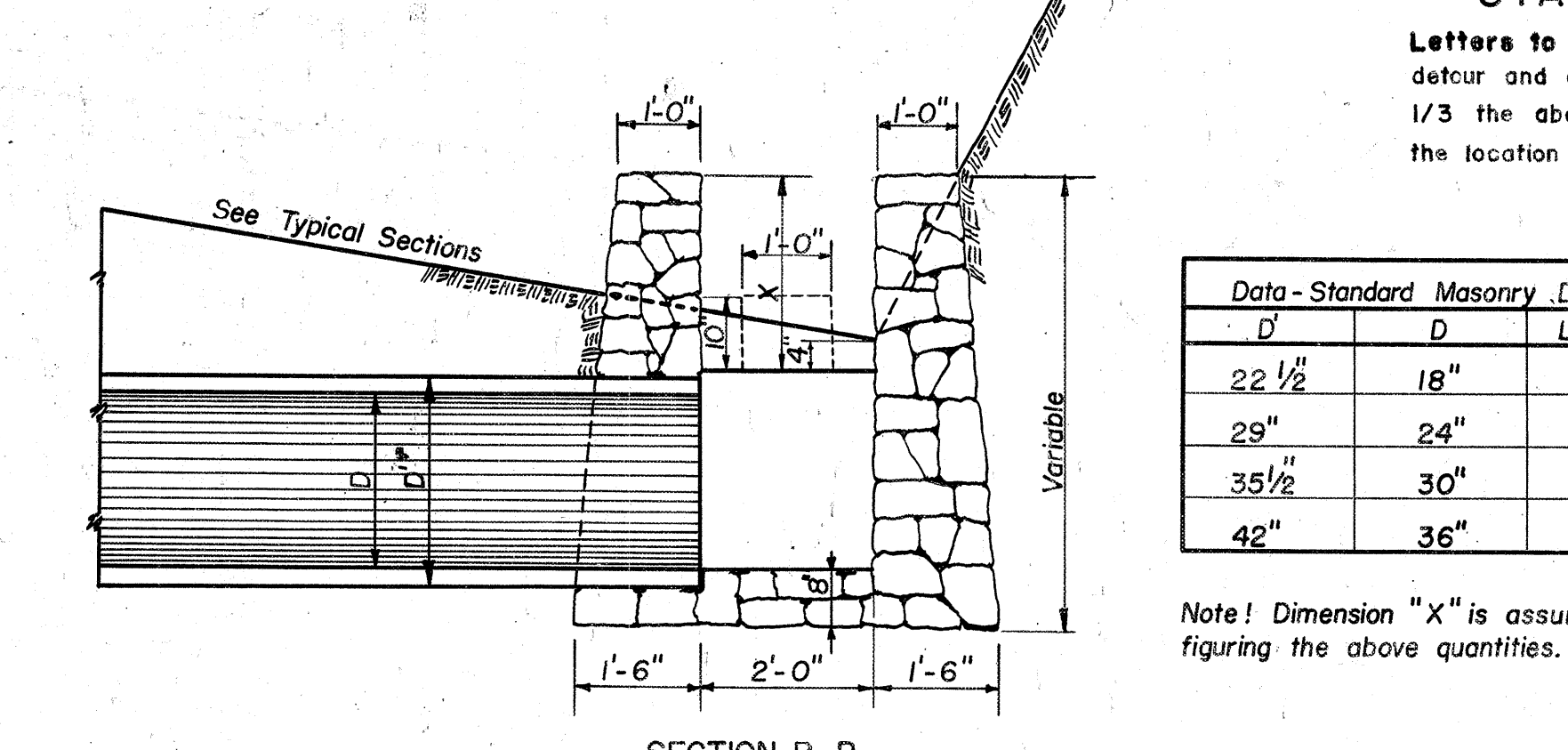
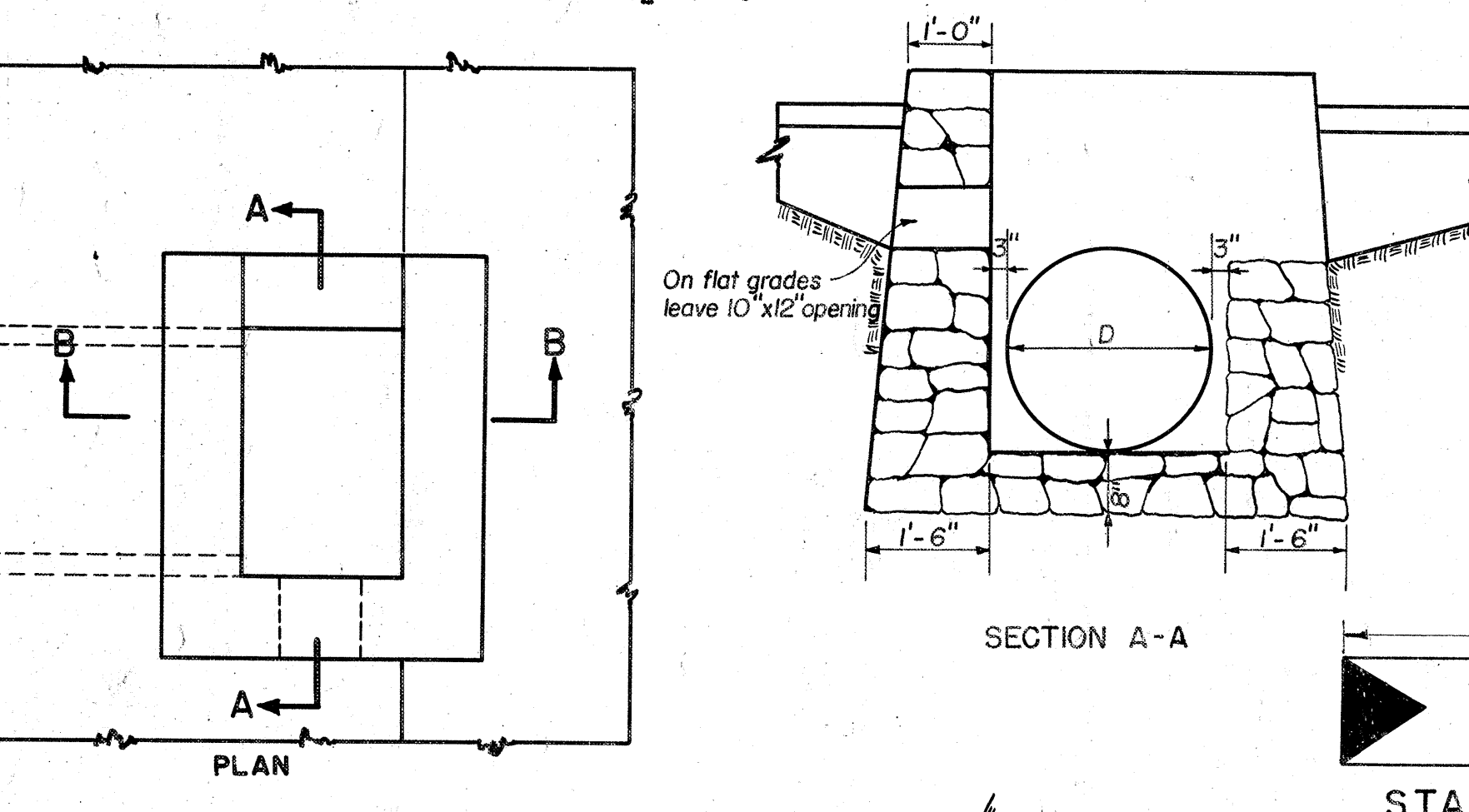
Data-Standard Drop Intake					Where Variable Equals
D	d	L=D+6"	S	Cu. Yds.	
22 1/2"	18"	2'-0"	8"	1.10	4'-6"
29"	24"	2'-6"	8"	1.33	5'-0"
35 1/2"	30"	3'-0"	9"	1.79	5'-6"
42"	36"	3'-6"	9"	2.07	6'-0"

Note! Dimension "x" is assumed as 2'-4" in figuring the above quantities.

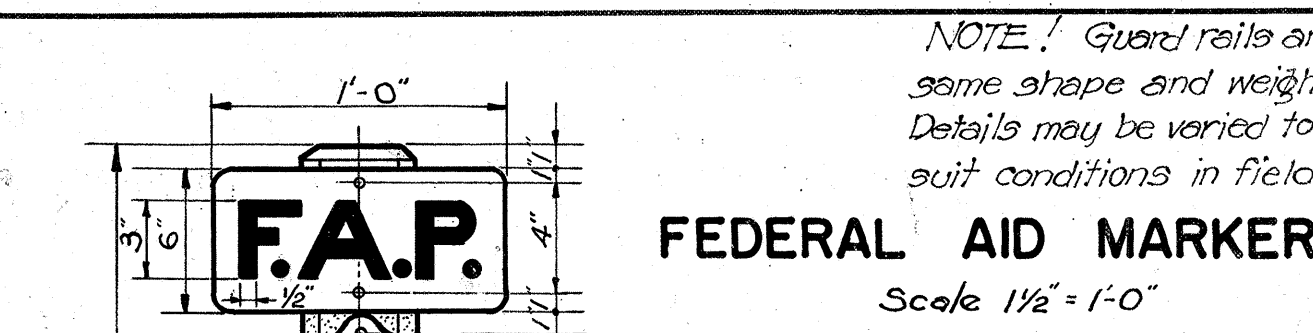


Data-Standard Concrete Headwall					Where Variable Equals
D	d	L=D+6"	S	Cu. Yds.	
22 1/2"	18"	2'-0"	8"	1.10	4'-6"
29"	24"	2'-6"	8"	1.33	5'-0"
35 1/2"	30"	3'-0"	9"	1.79	5'-6"
42"	36"	3'-6"	9"	2.07	6'-0"

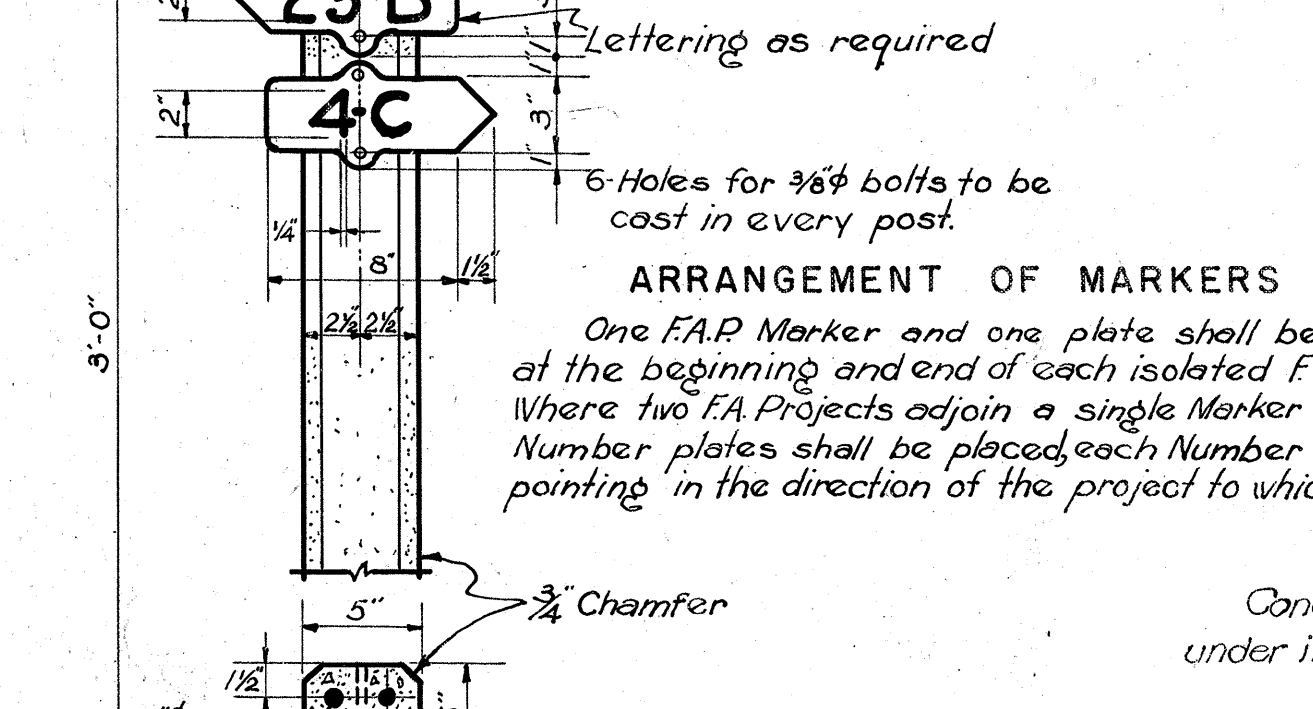
Note! Dimension "x" is assumed as 2'-4" in figuring the above quantities.



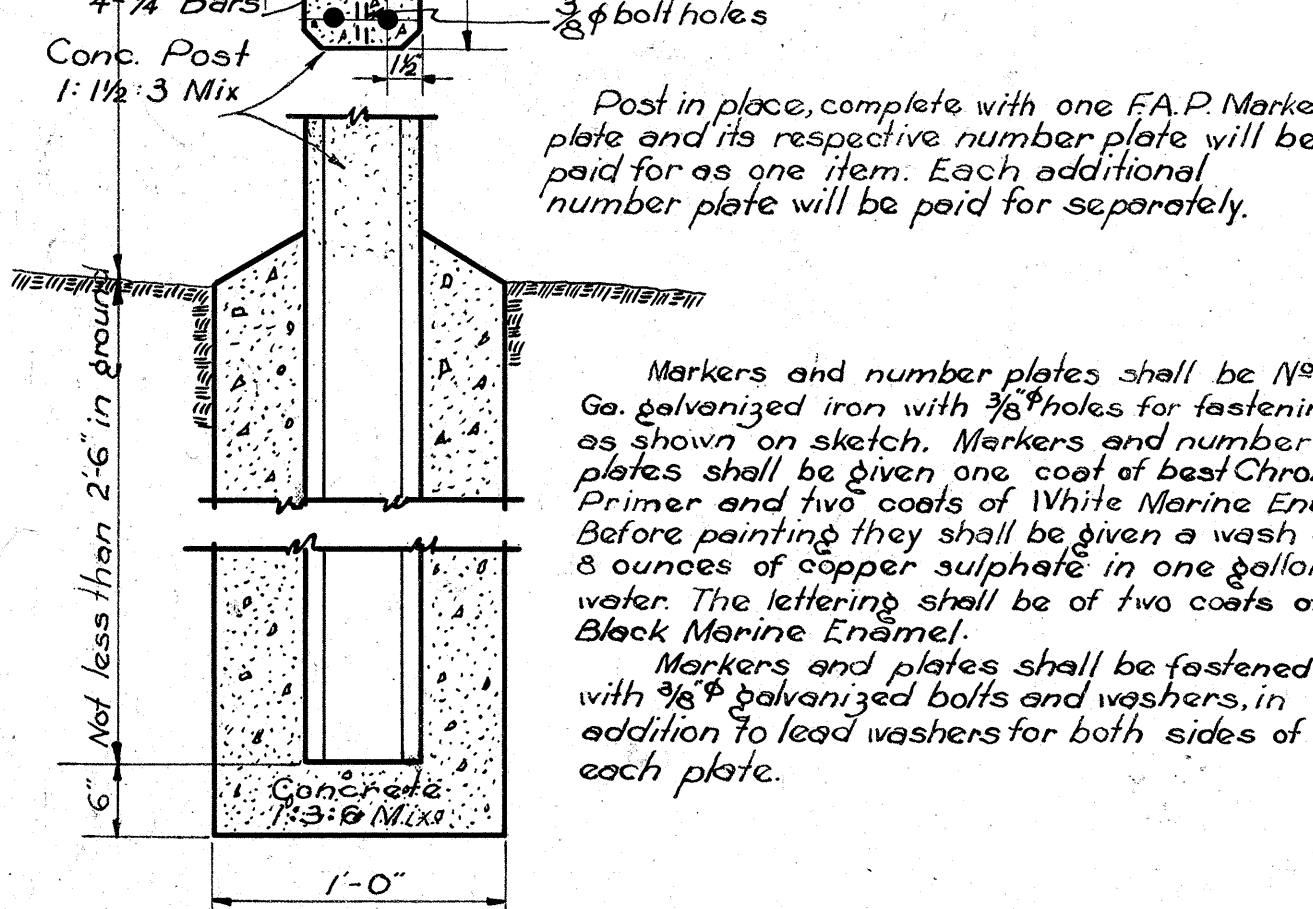
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
SCALES AS NOTED
APPROVED
SHEET NO. 1 OF 5 SHEETS



FEDERAL AID MARKER
Scale 1/2" = 1'-0"



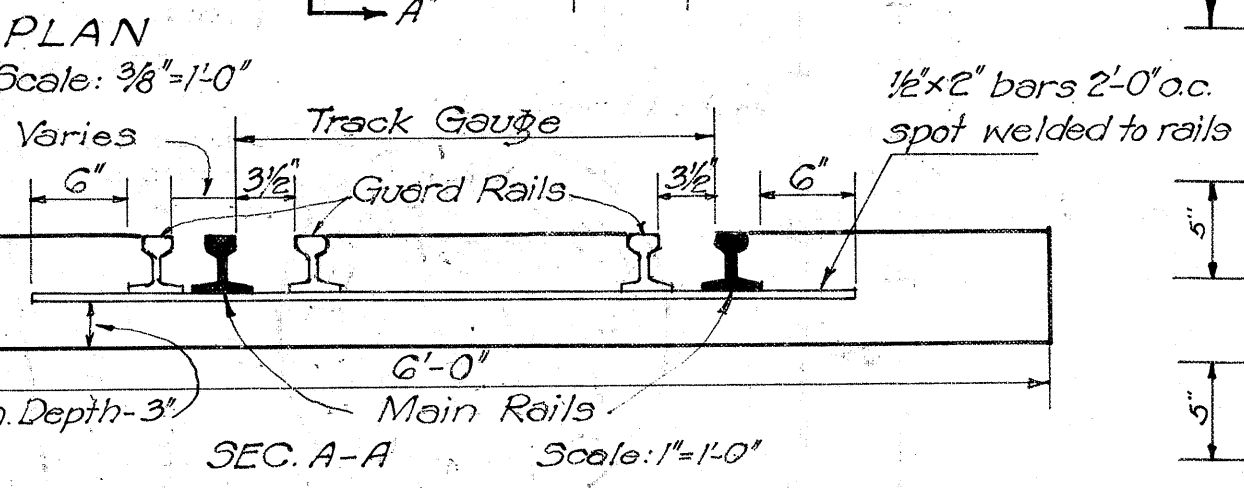
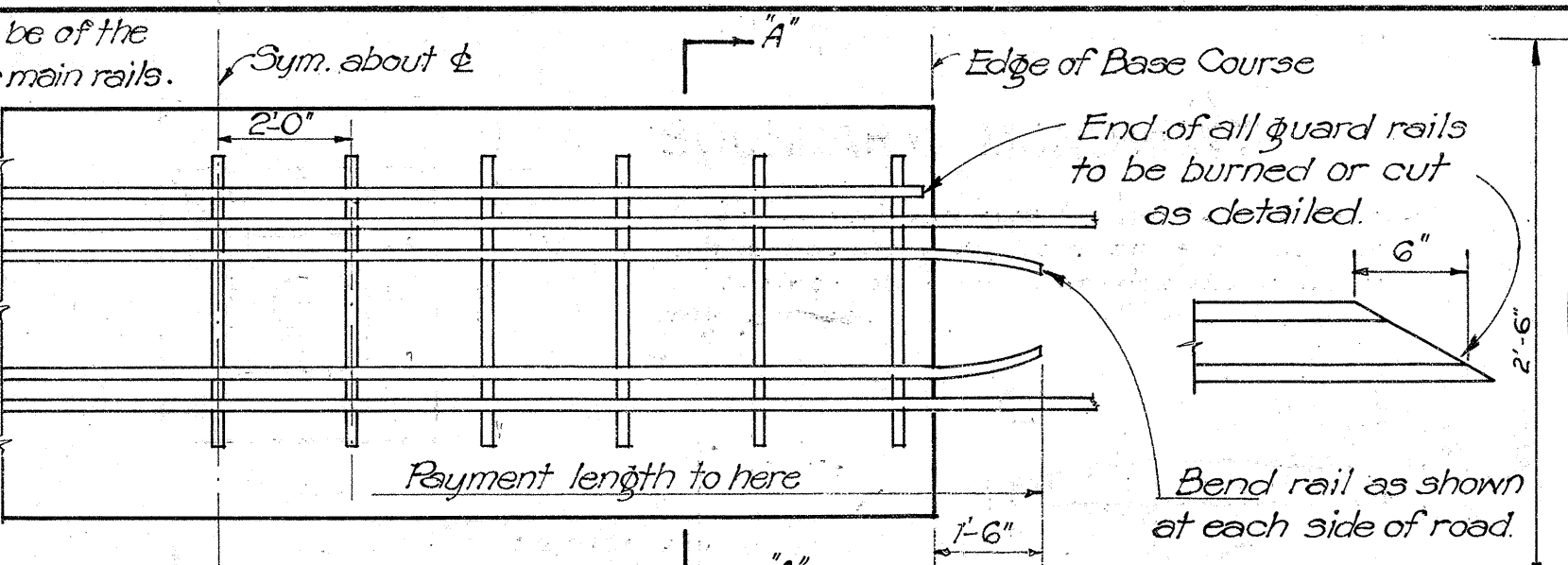
ARRANGEMENT OF MARKERS
One F.A.P. Marker and one plate shall be placed at the beginning and end of each isolated F.A. Project. Where two F.A. Projects adjoin a single Marker and two Number plates shall be placed, each Number plate pointing in the direction of the project to which it refers.



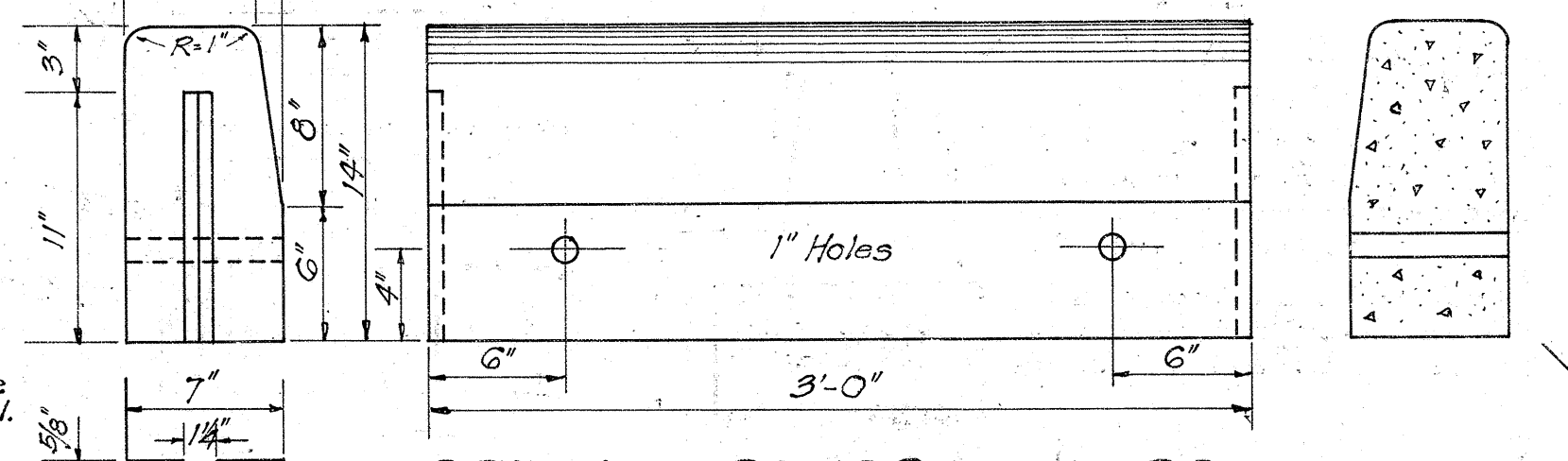
Post in place, complete with one F.A.P. Marker plate and its respective number plate will be paid for as one item. Each additional number plate will be paid for separately.

Markers and number plates shall be No. 16 Ga. galvanized iron with 3/8" holes for fastening as shown on sketch. Markers and number plates shall be given one coat of best Chromate Primer and two coats of White Marine Enamel. Before painting they shall be given a wash of 8 ounces of copper sulphate in one gallon of water. The lettering shall be of two coats of Black Marine Enamel.

Markers and plates shall be fastened with 3/8" galvanized bolts and washers, in addition to lead washers for both sides of each plate.



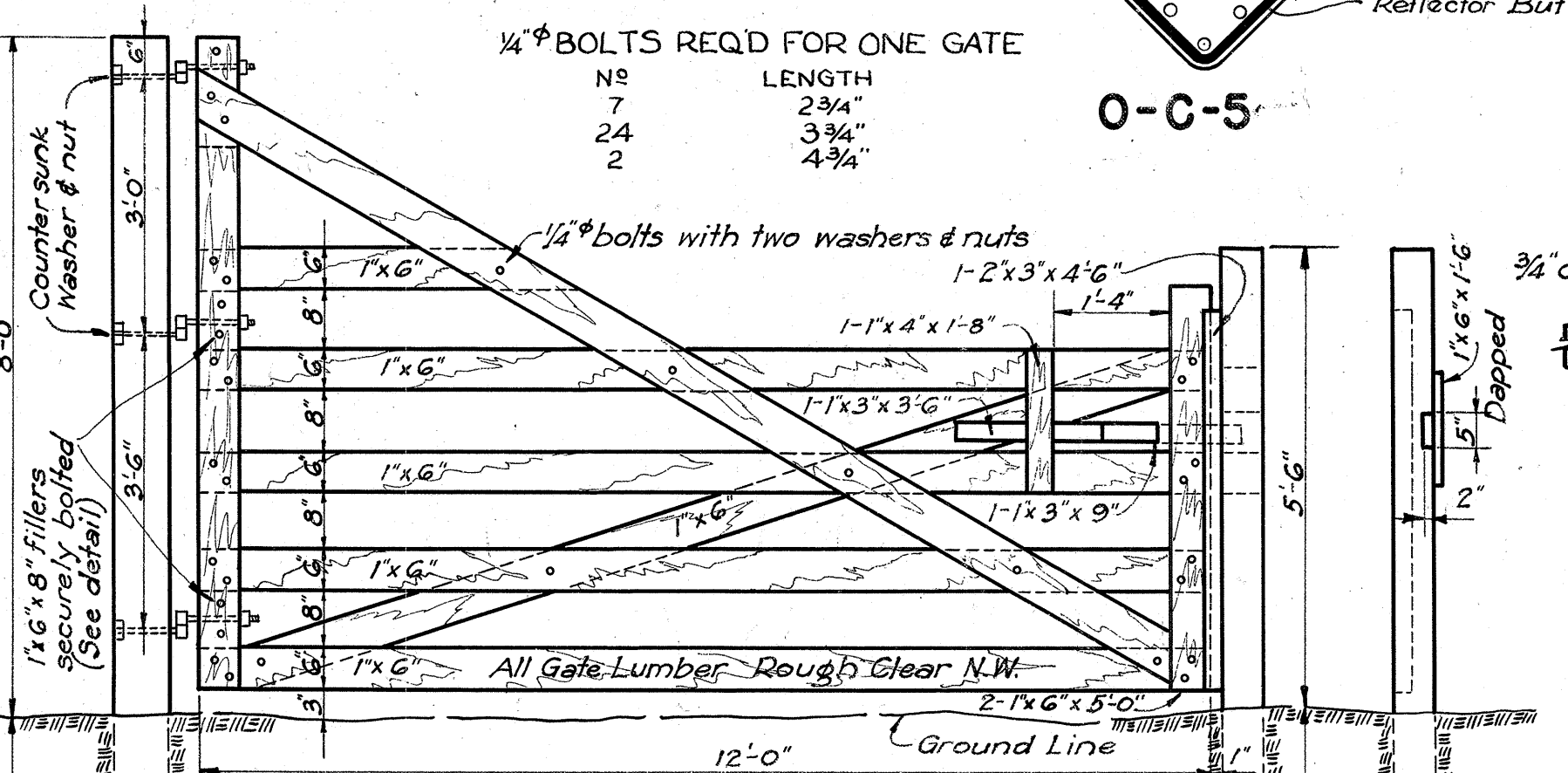
INDUSTRIAL TRACK CROSSING
Scale: 1/2" = 1'-0"



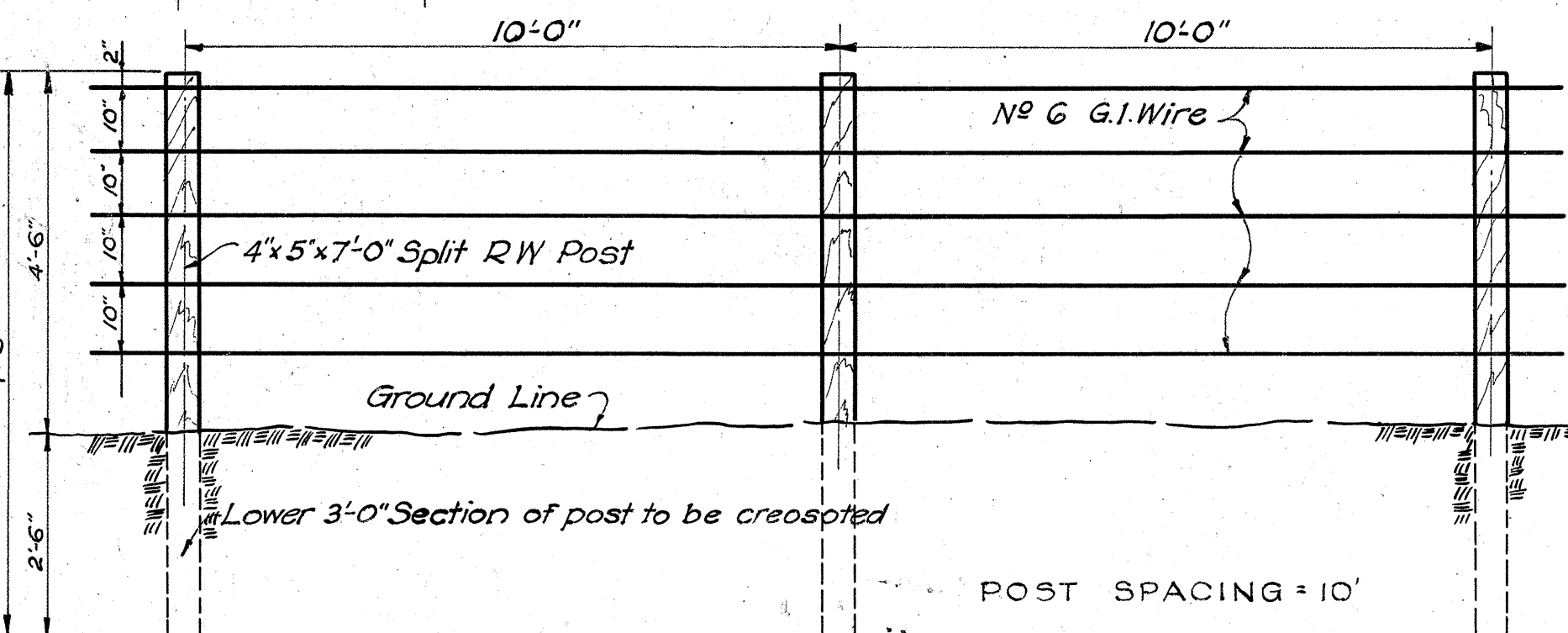
PRECAST CONCRETE CURB
Scale: 1/2" = 1'-0"

No.	Length
7	2 3/4"
24	3 3/4"
2	4 3/4"

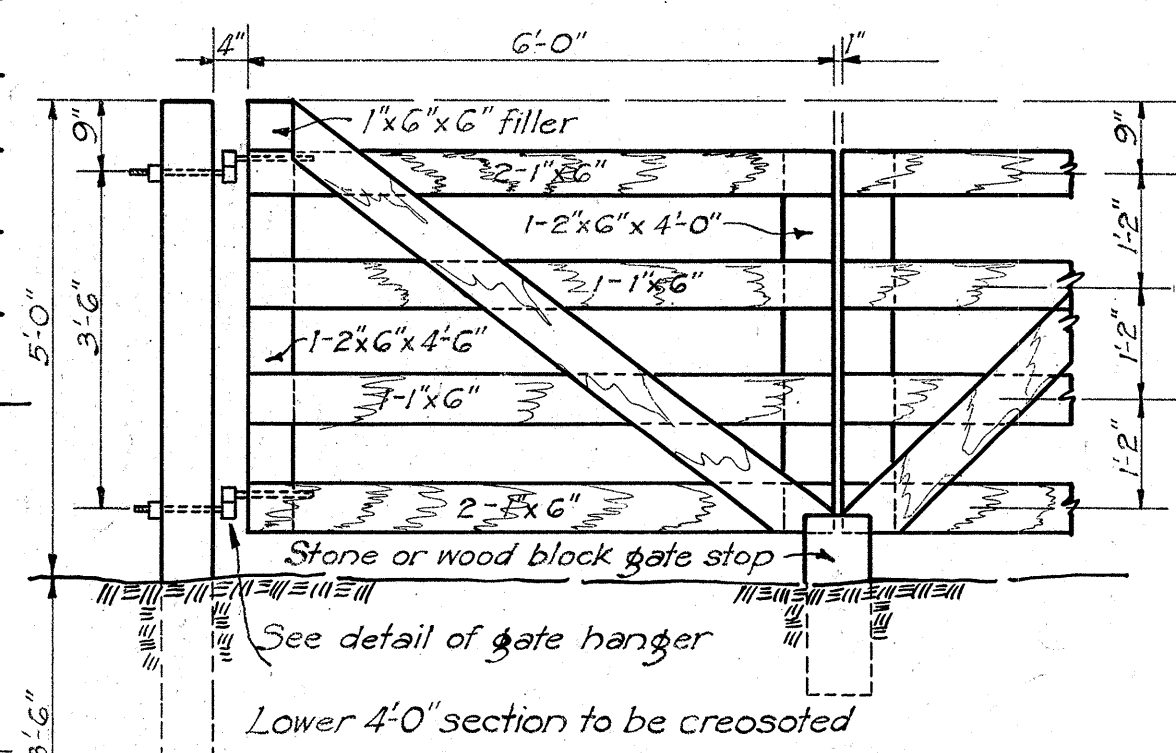
1/4" BOLTS REQD FOR ONE GATE



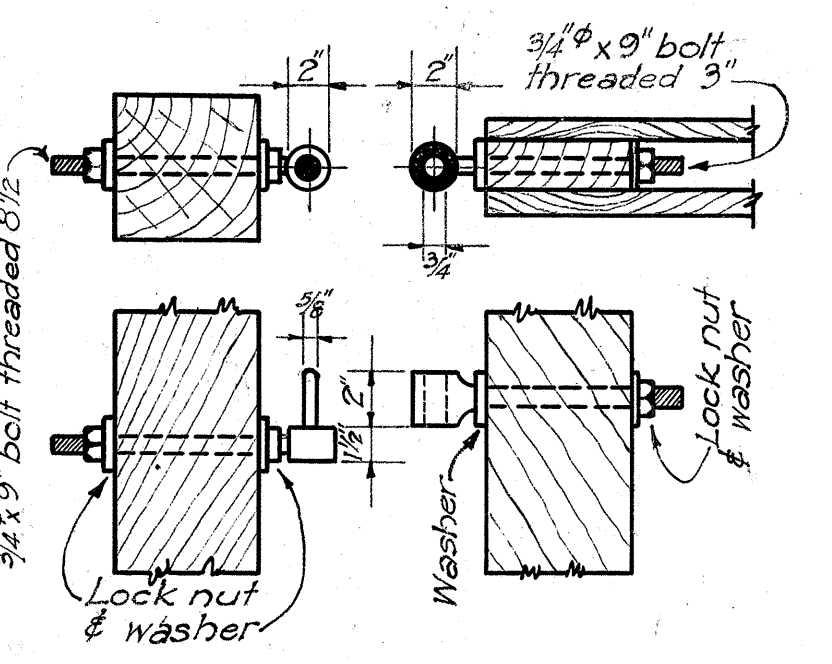
STANDARD WOODEN GUARD RAILING
Scale 3/8" & 1/2" = 1'-0"



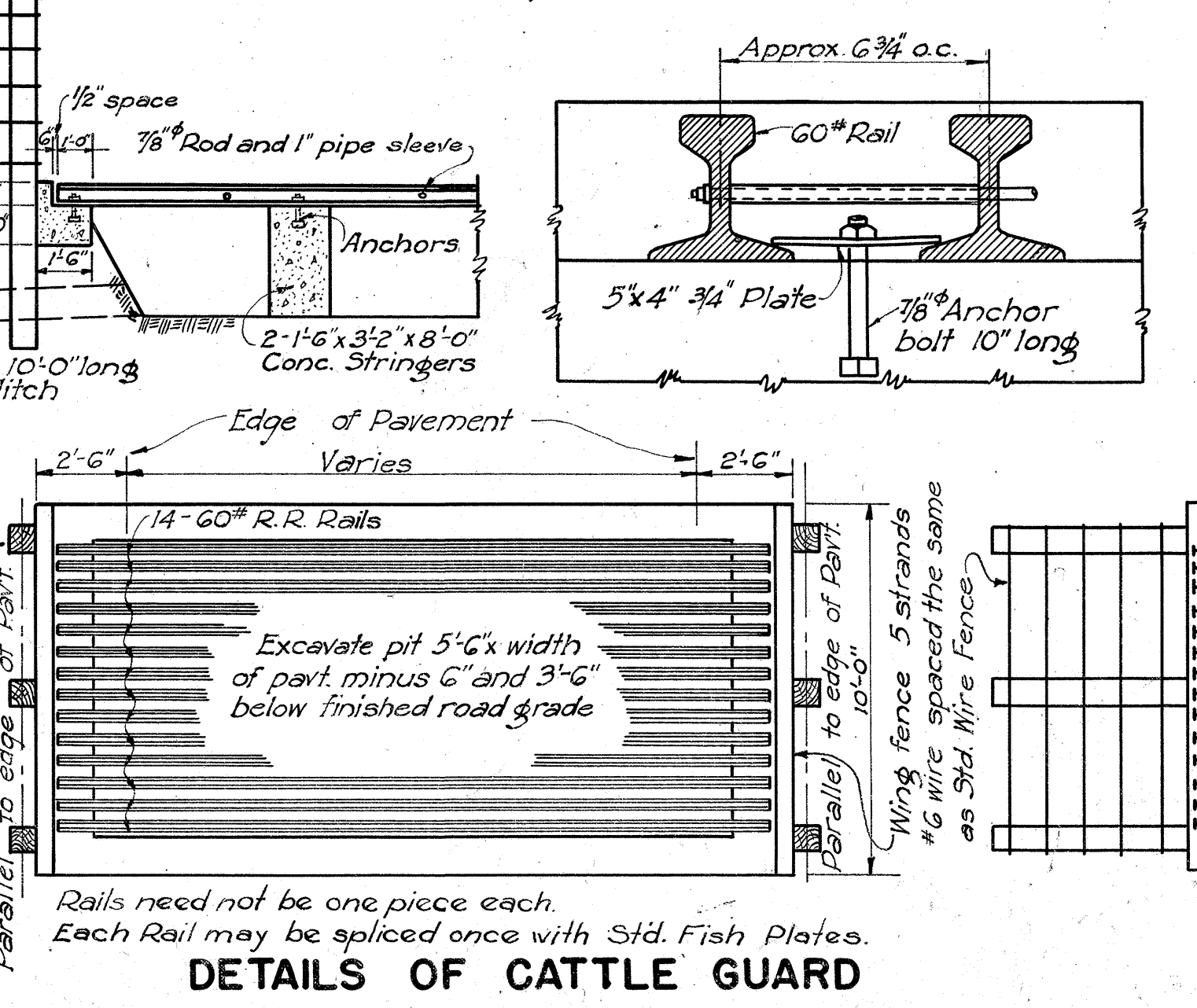
DETAILS OF STANDARD WIRE FENCE WITH WOODEN POSTS
NOTE - This Project requires Std Wire Fence with 10' Post Spacing



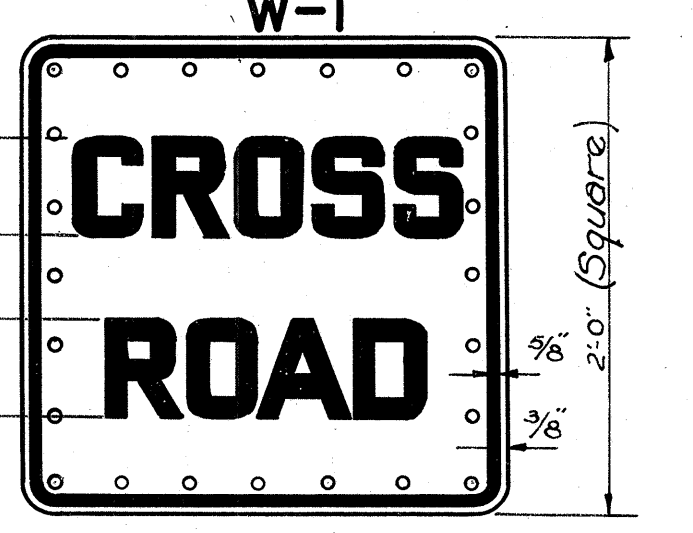
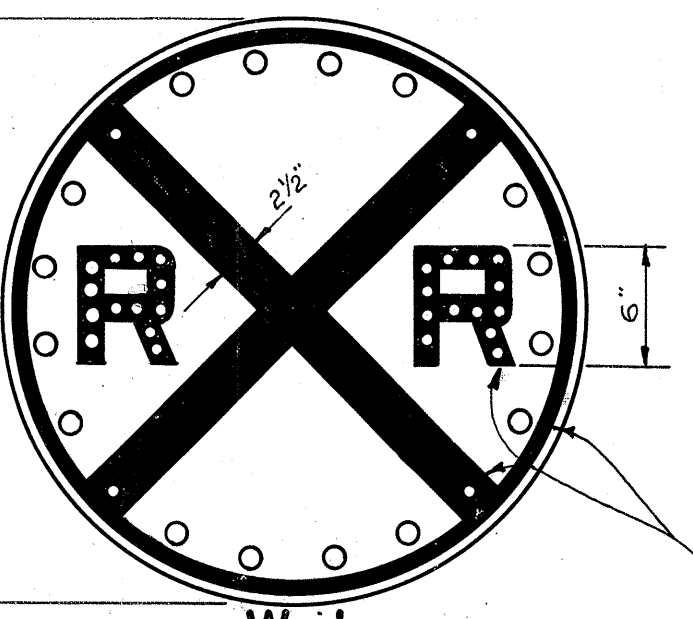
DOUBLE HUNG GATE
Scale 1/2" = 1'-0"



DETAIL OF GATE HANGER
Scale 1/2" = 1'-0"
NOTE: Use 3/4" x 11" bolts for Cattle Gate.



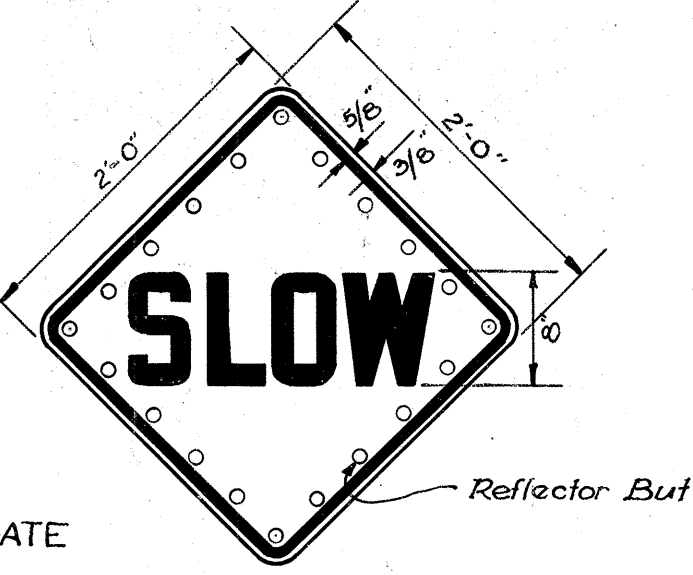
DETAILS OF CATTLE GUARD



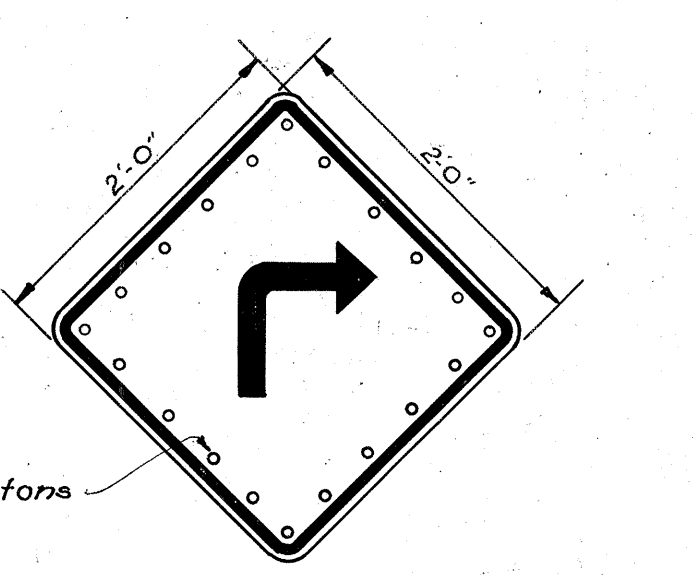
0-C-15



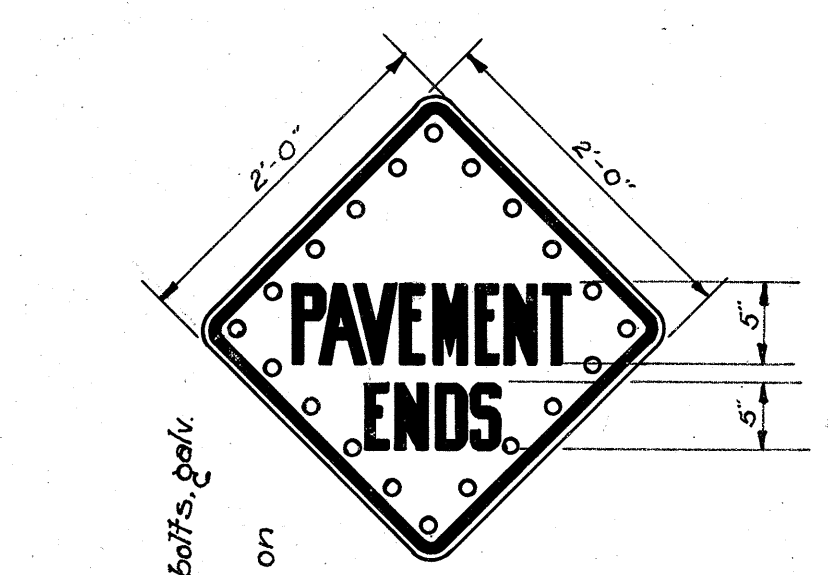
0-C-16



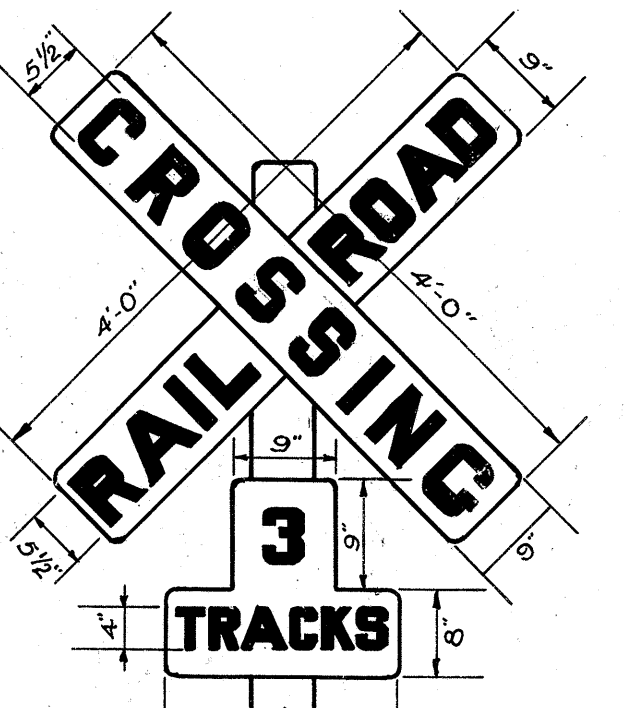
0-C-5



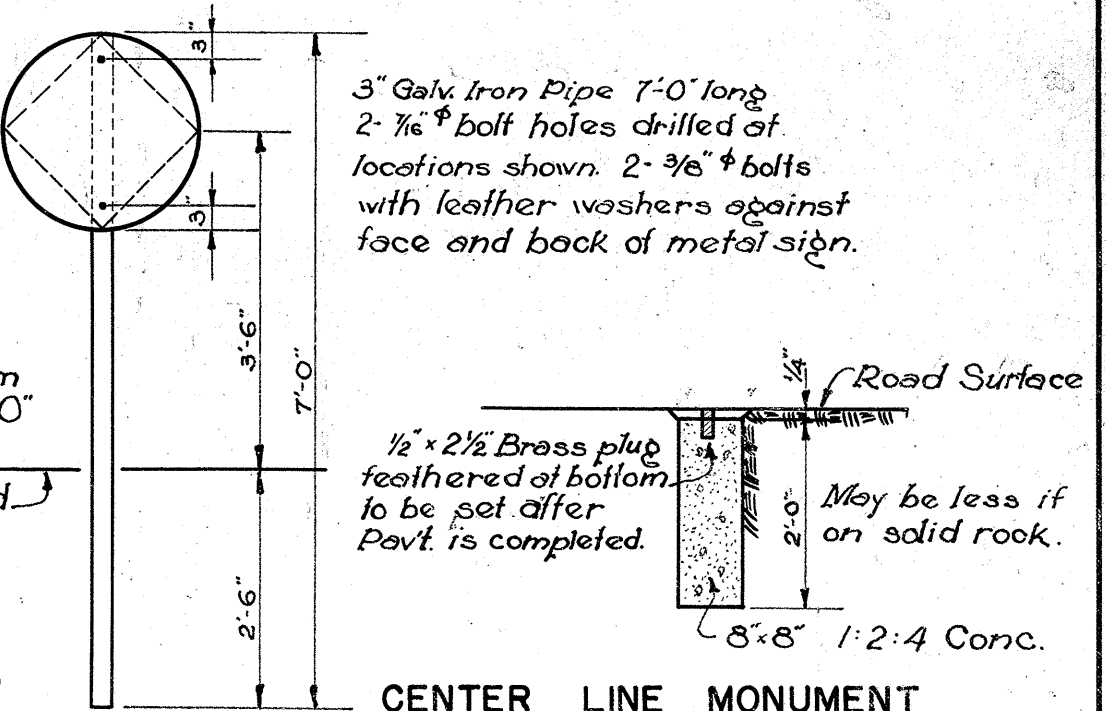
C-6



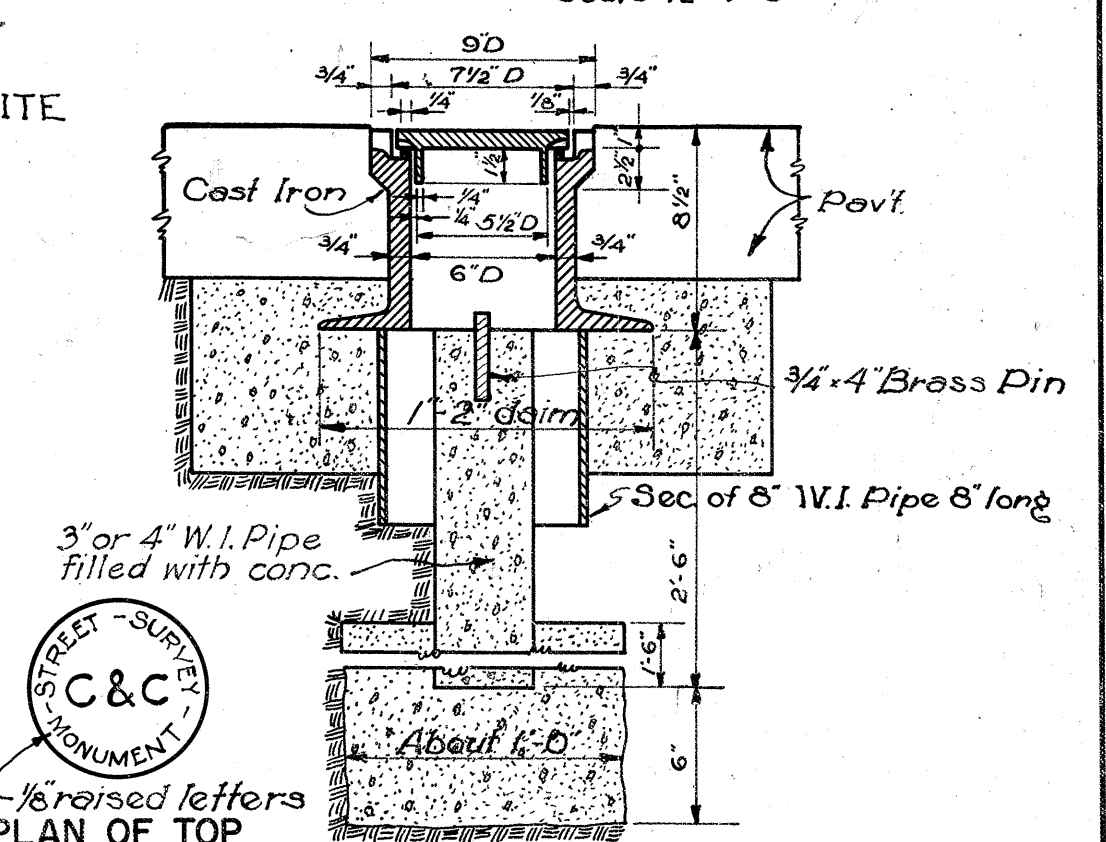
C-14



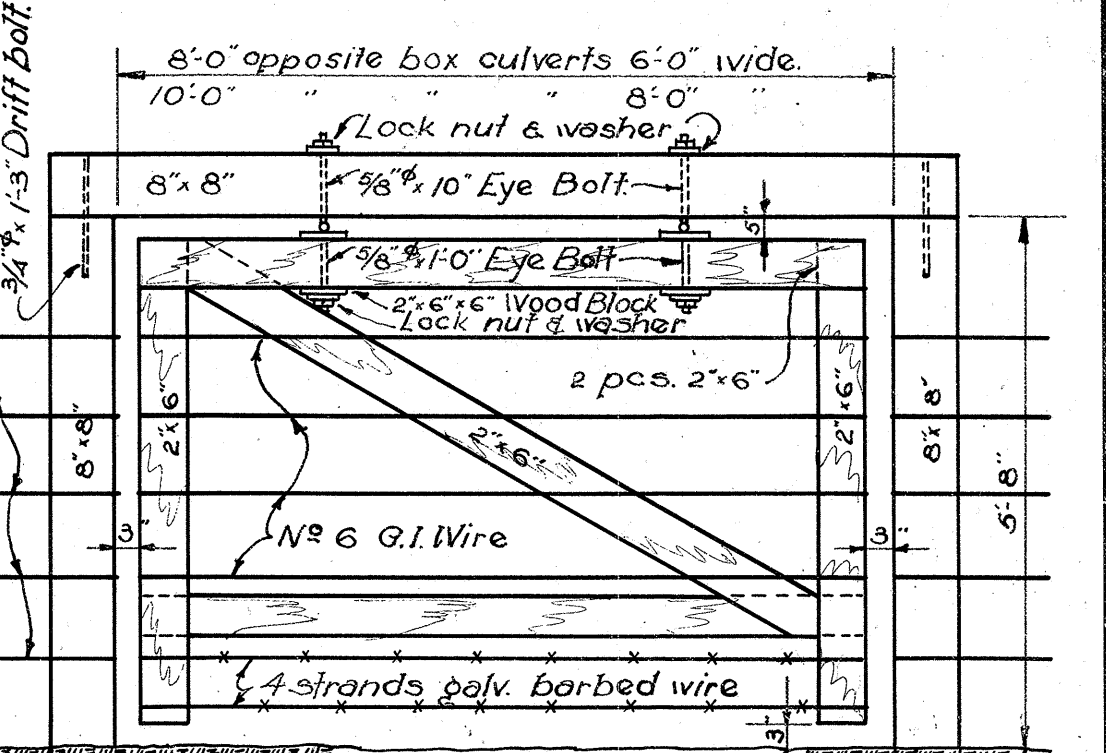
WARNING AND CAUTION SIGNS
BLACK LETTERS ON YELLOW
REFLECTOR BUTTONS WHITE
(FOR W-2 ONLY BLACK LETTERS ON WHITE REFLECTOR BUTTONS WHITE)



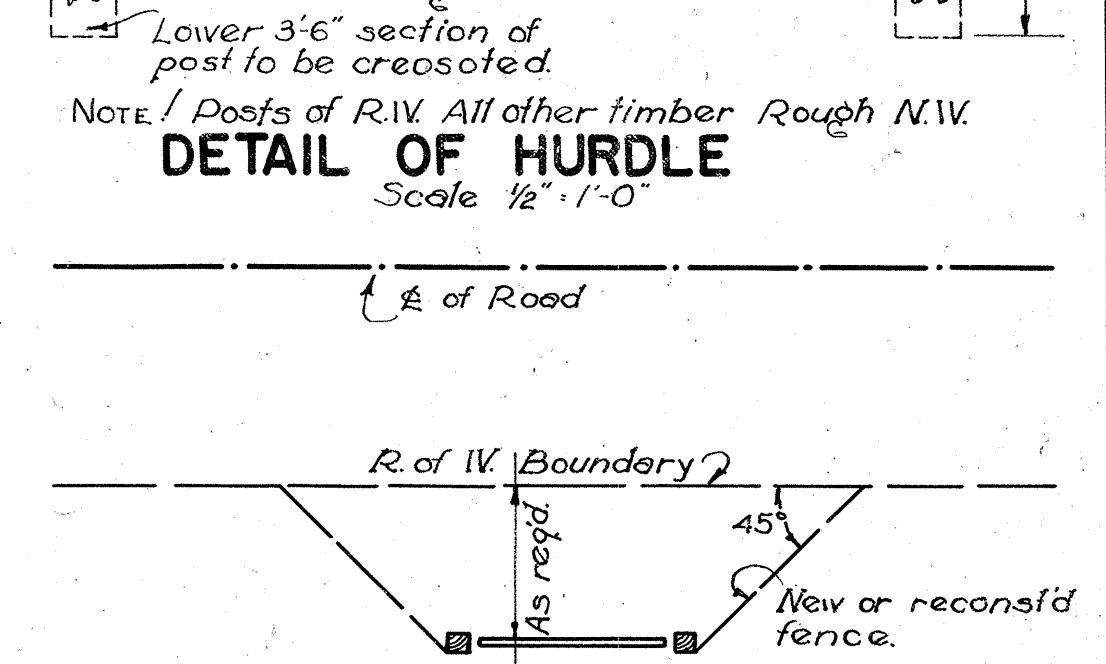
CENTER LINE MONUMENT
Scale 1/2" = 1'-0"



STD. C&C STREET SURVEY MONUMENT



DETAIL OF HURDLE
Scale 1/2" = 1'-0"



PLAN SHOWING HURDLE PLACED BELOW CULVERT IN A POSITION WHICH WILL BE CATTLE TIGHT.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STANDARD DETAILS

SCALES AS NOTED
APPROVED BY *[Signature]*
Territorial Highway Engineer

SHEET NO. 2 OF 5 SHEETS

5194.11

DATE: 3/1/42
DRAWN BY: M.S. F.E.O.
CHECKED BY: M.S. F.E.O.
QUANTITIES CHECKED BY: M.S. F.E.O.

ORIGINAL PLAN
NOTE BOOK
No. 1