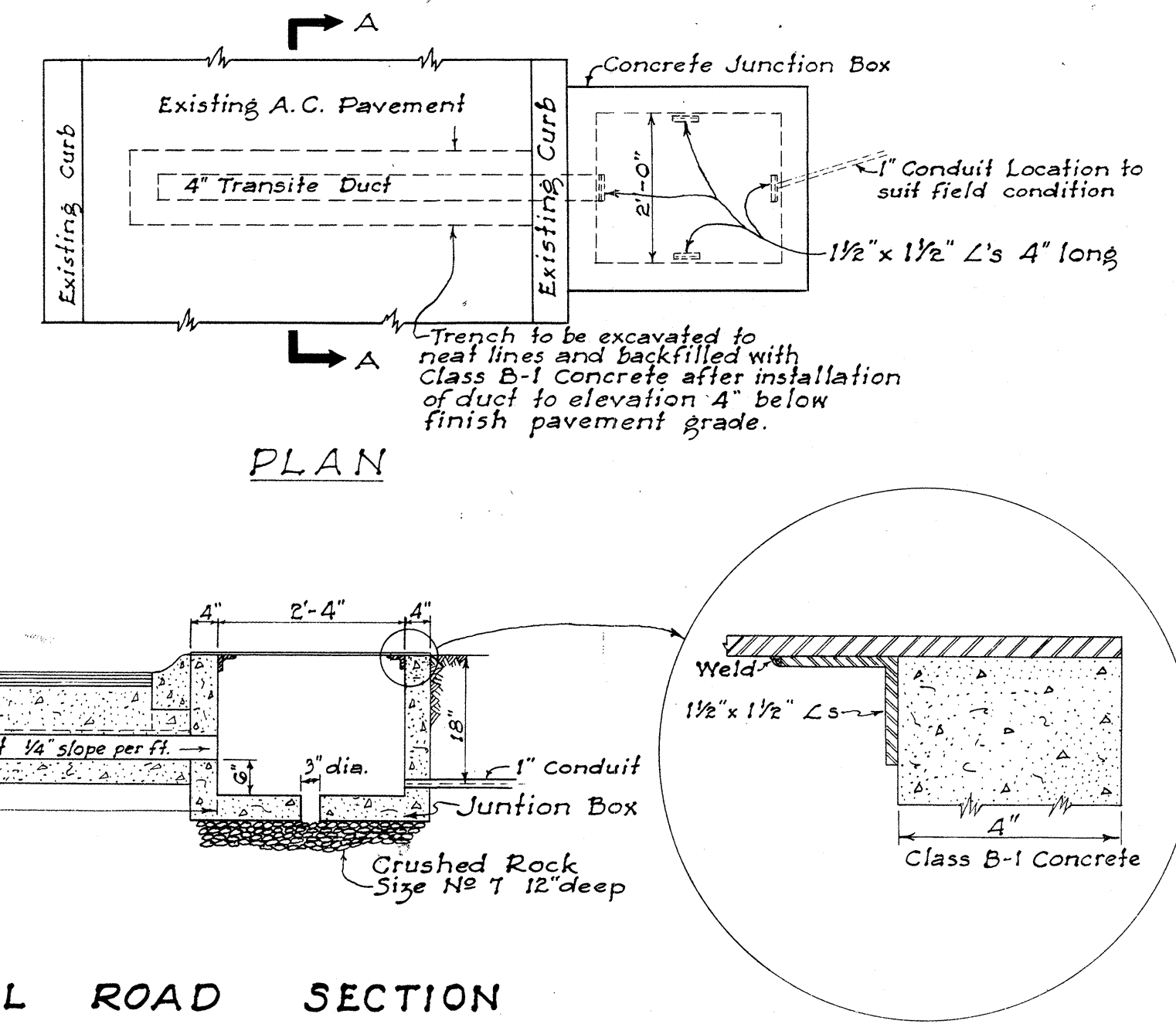
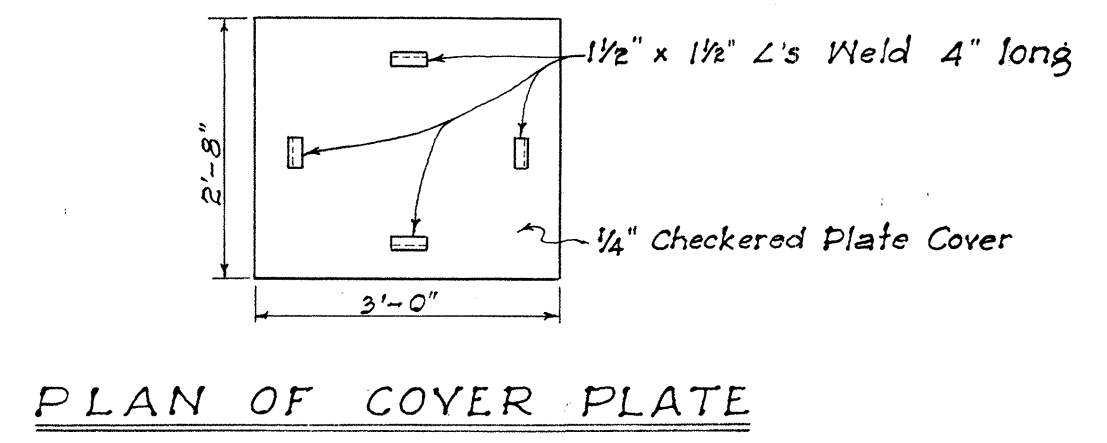
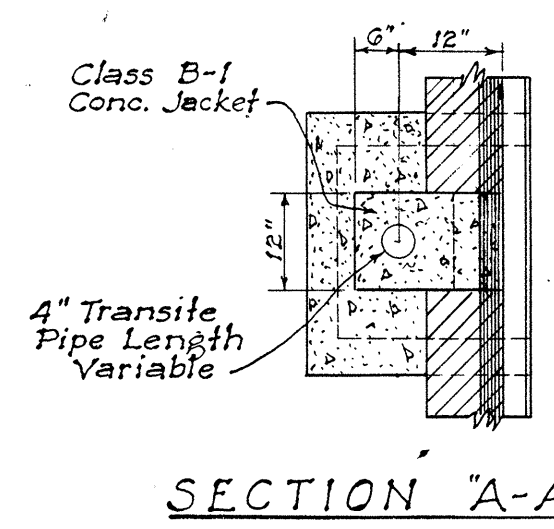
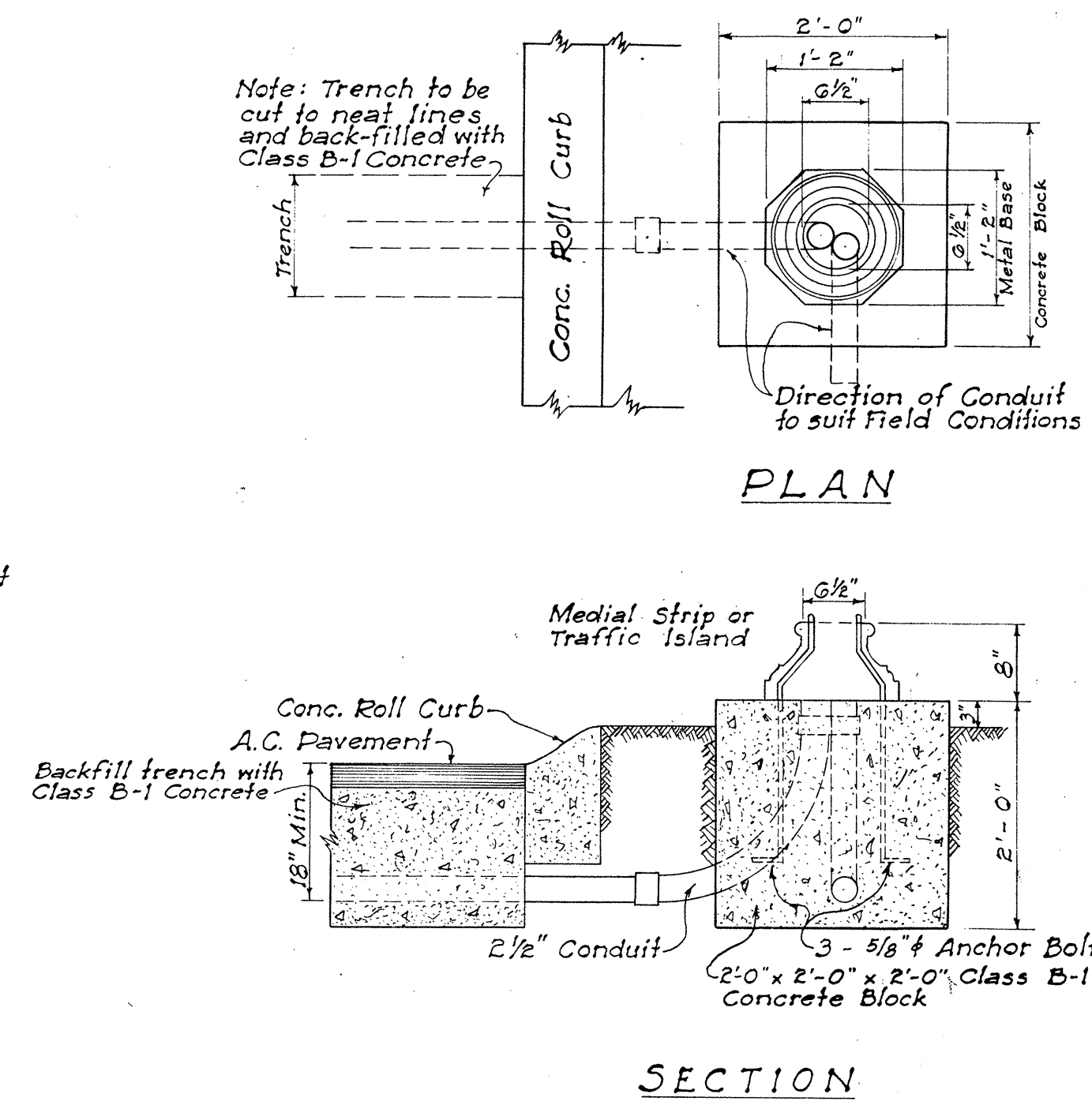
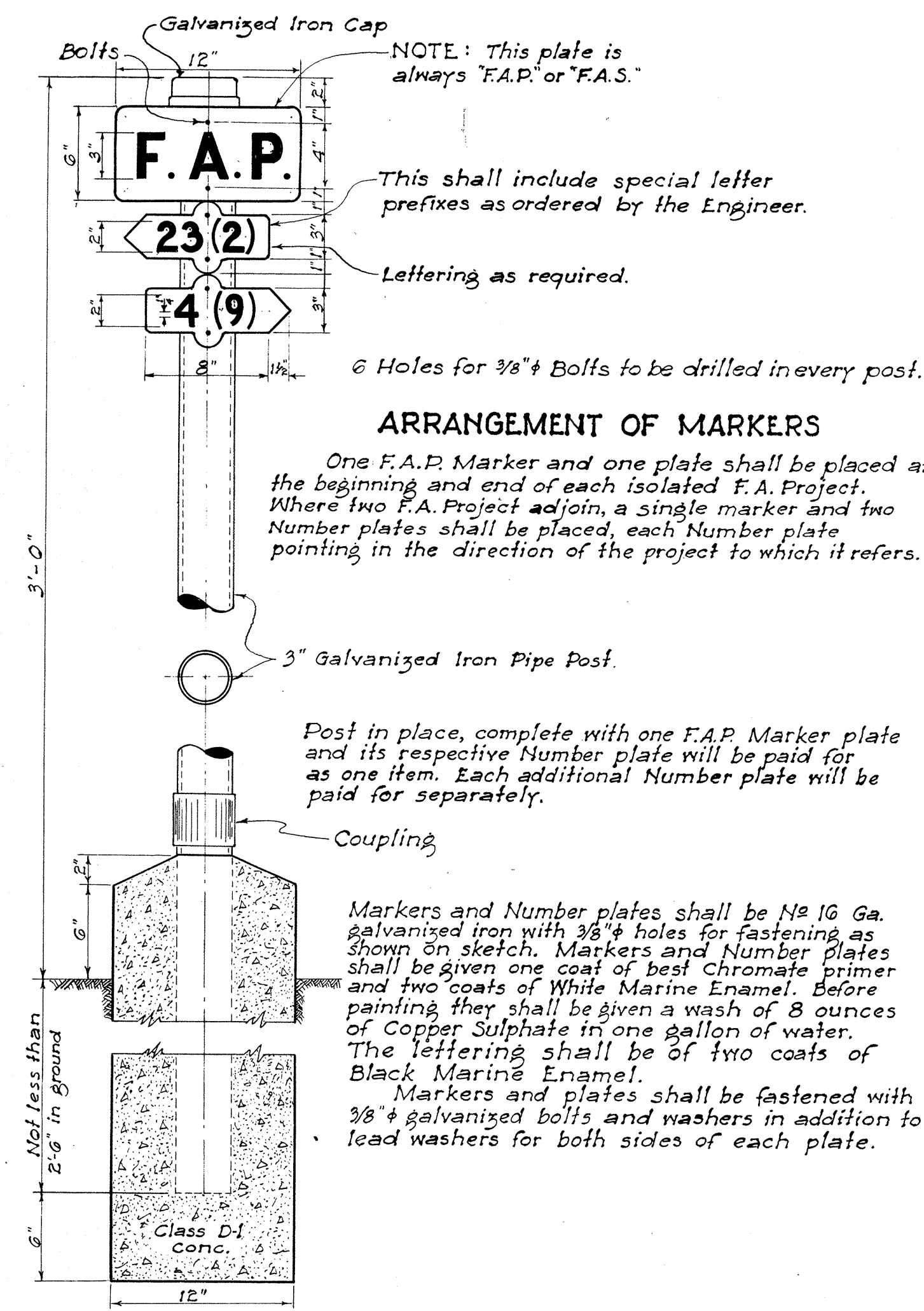
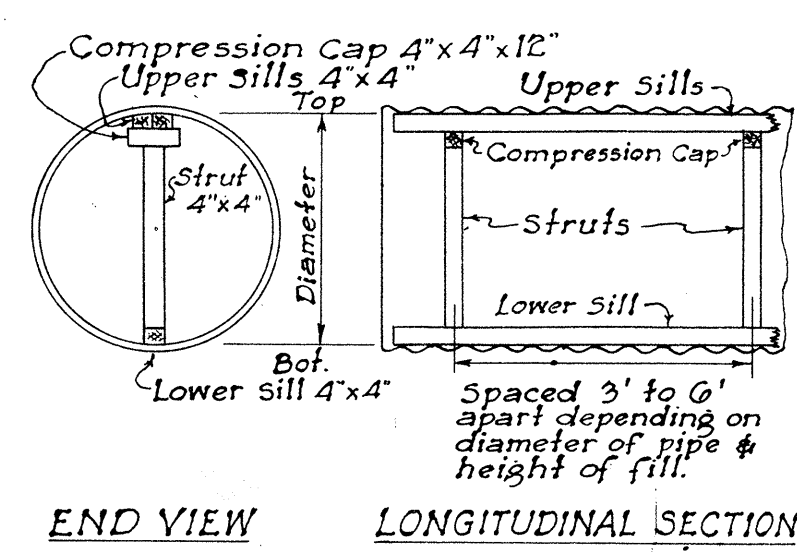




NOTE: Unless otherwise specified, all concrete for base for Traffic Standards, Pull Boxes, Concrete Jackets for Transite Ducts shall be Class B-1 Concrete.

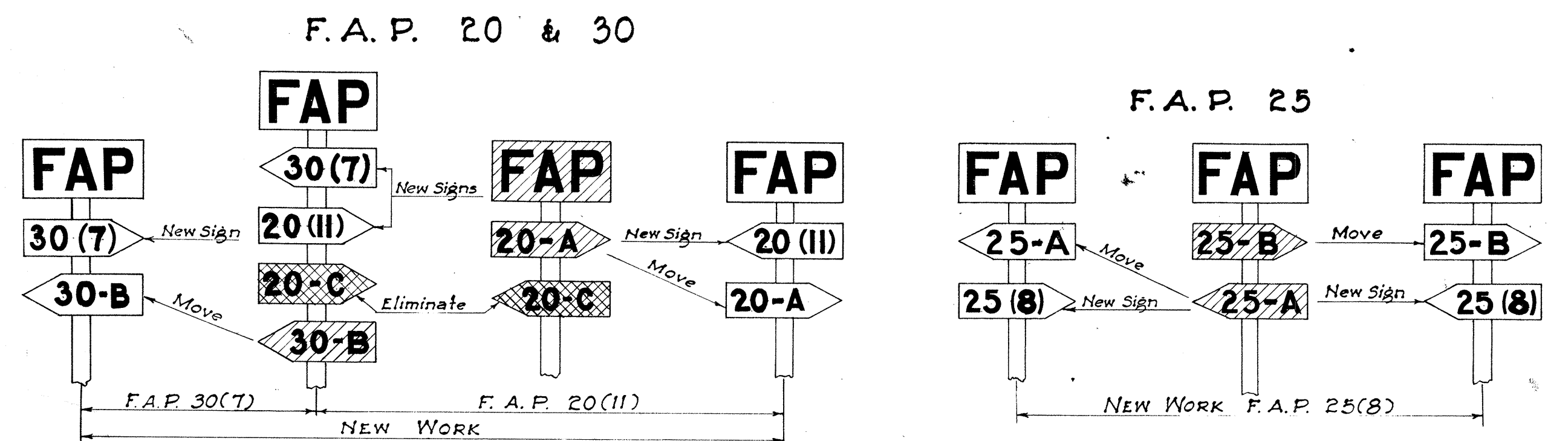
DETAIL OF BASE FOR TRAFFIC STANDARD AND DISPATCHER PEDESTAL



Diameter of Pipe in inches	Length of Struts in inches	Spacing of Struts in ft. for Various Heights	FILL 1' to 5'	FILL 5' to 10'	FILL 10' to 20'	FILL 20' to 30'	FILL Over 30'
48	38 3/8	—	—	—	—	—	—
54	44 3/8	6	6	6	6	4	4
60	51	6	6	6	6	4	4
66	57 1/4	6	6	6	6	4	4
72	63 3/8	6	6	6	6	5	3.5
78	69 3/8	6	6	6	6	4.5	3.5
84	76 1/4	6	6	6	6	4	3

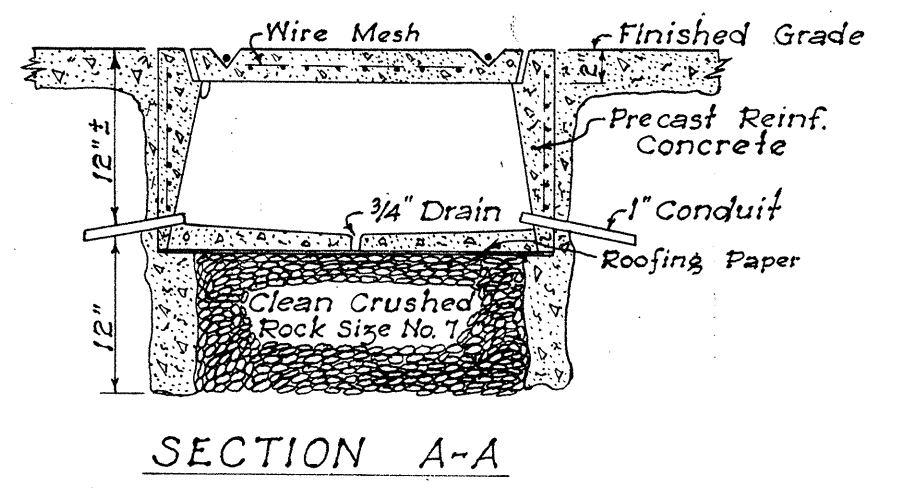
NOTE: Length of Struts are based on 4" x 4" timbers which is the minimum size recommended. If larger sills or compression caps are used, length of struts should be changed accordingly.

STRUTTING DIAGRAM & TABLE FOR CORRUGATED METAL PIPE CULVERT

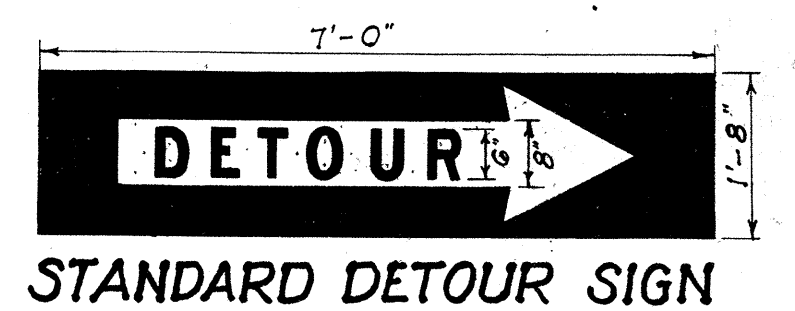
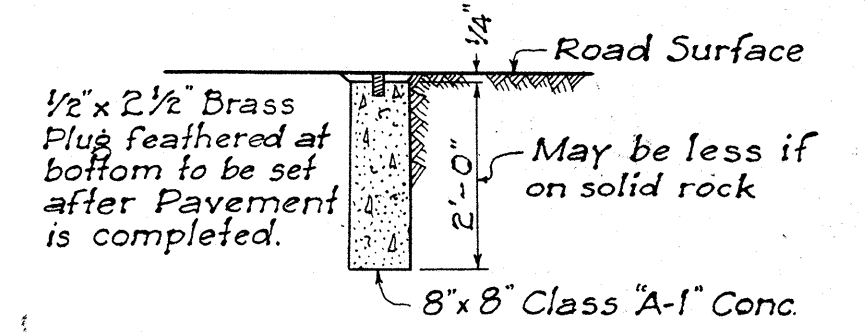
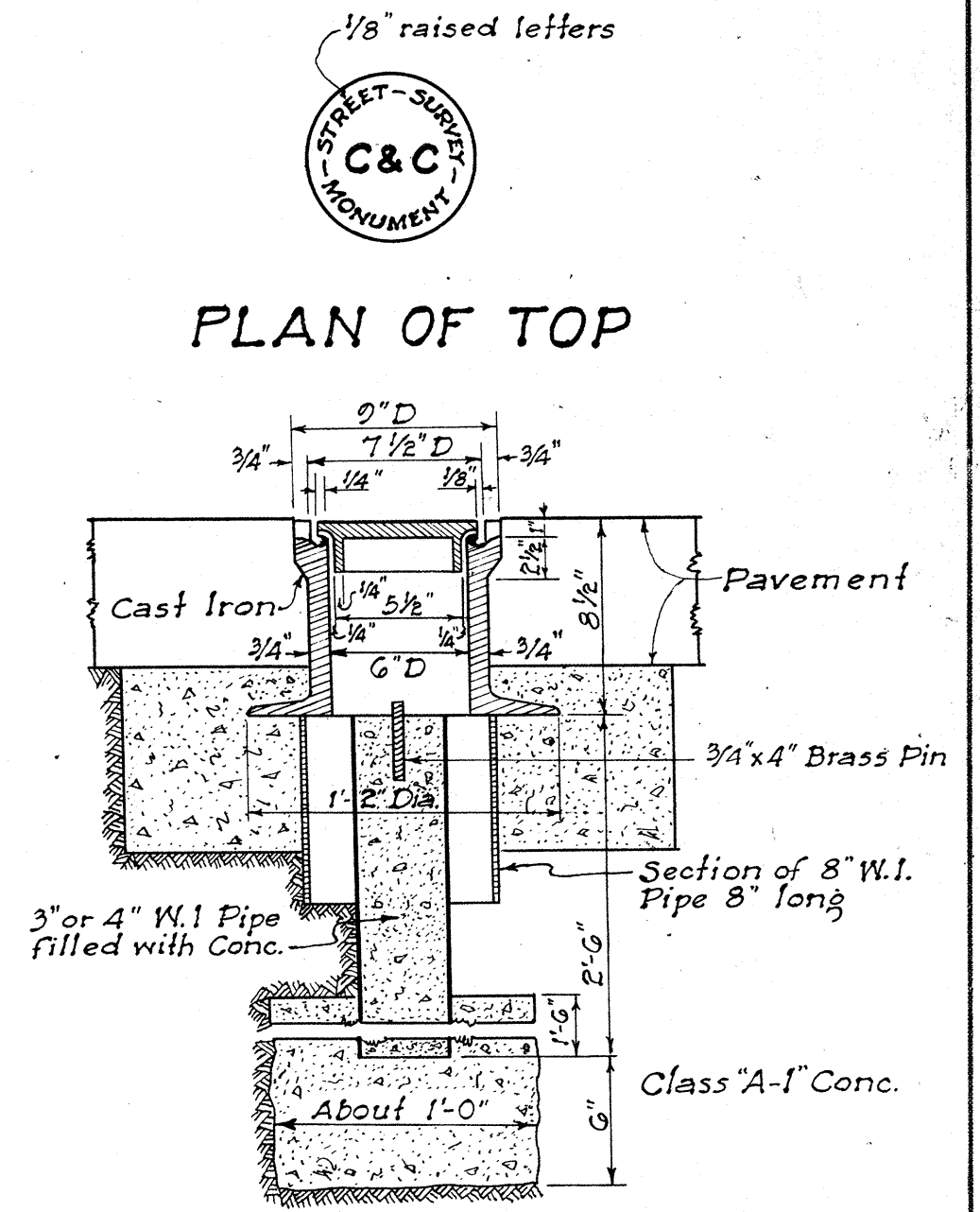


NOTE: Federal Aid Markers should be placed at the termini of suffix designated sections. Intermediate letter designated markers of adjacent sections located within the limits of new improvements should be moved to the termini of the new work. The same procedure would be followed on each successive improvement until all markers for letter designated sections are eventually eliminated.

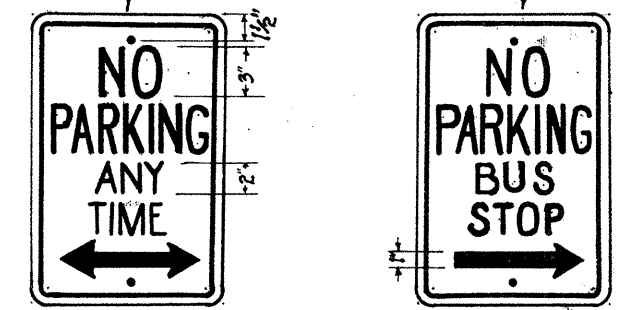
METHOD OF MARKING F.A. PROJECTS AT OVERLAPS (USING NUMBER SUFFIX ON NEW WORK)



DETAIL OF PULL BOX
Scale: 1" = 1'-0"



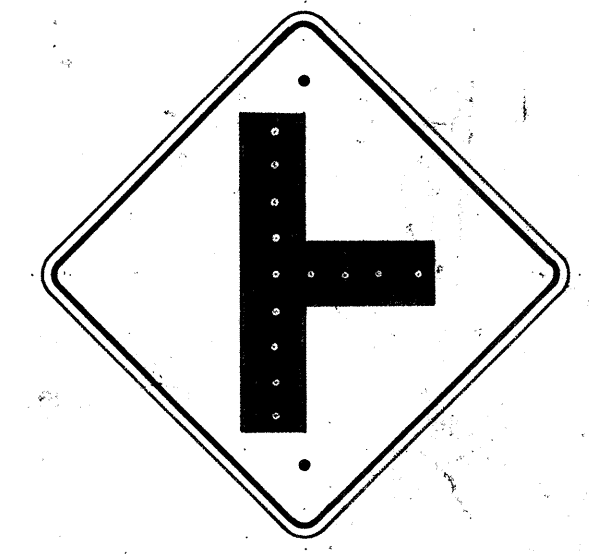
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
SCALES: AS NOTED
APPROVED: *Samuel H. ...*
Territorial Highway Engineer
May 31, 1949



R-26
12" x 18"



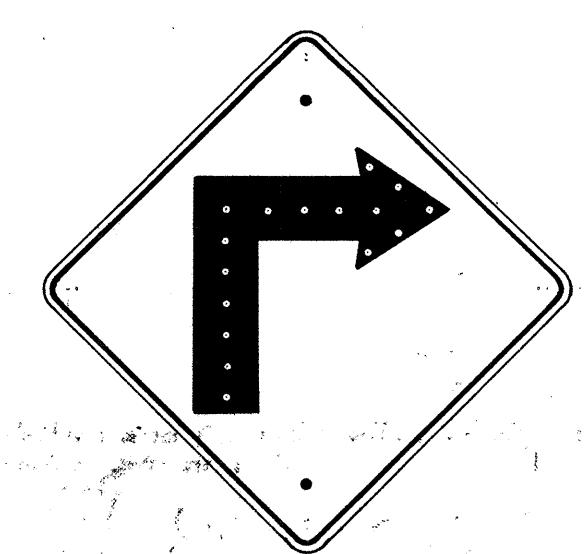
R-105-C
24" x 30"



W-7
24" x 24"

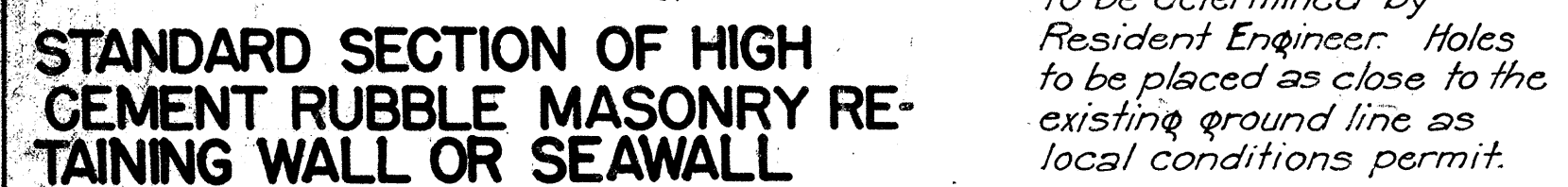
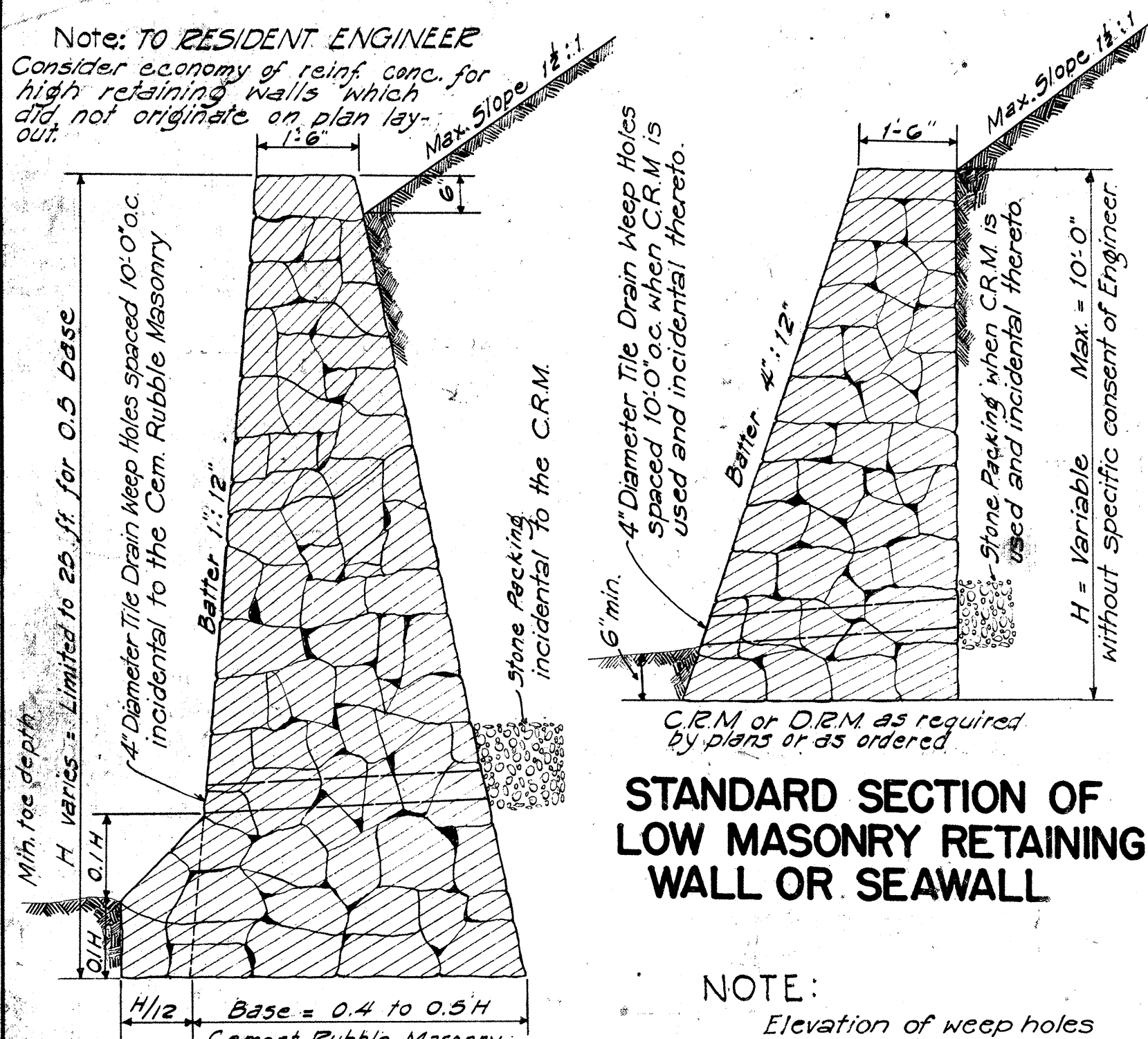


W-21
30" x 30"



W-1-R
*W-1-L
24" x 24"

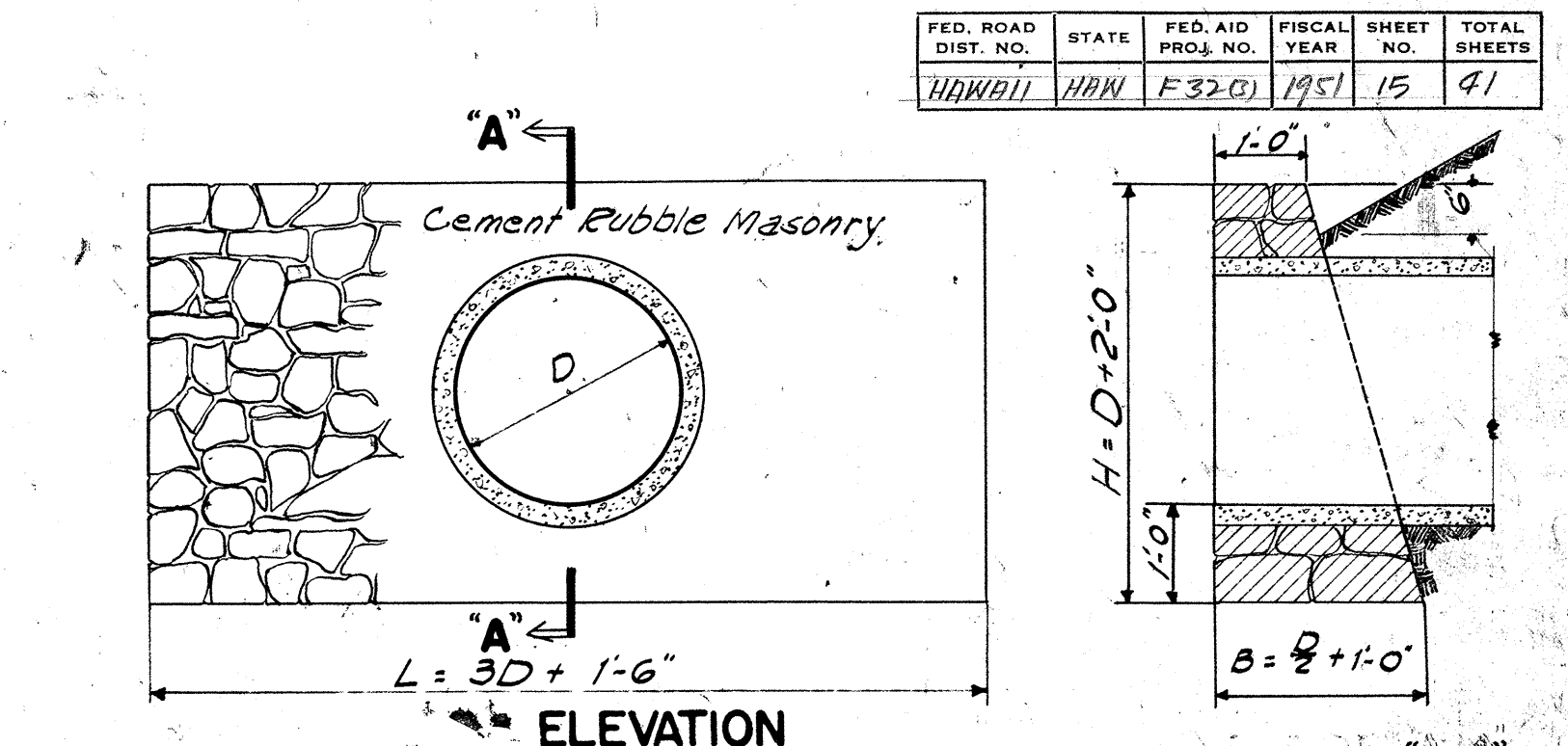
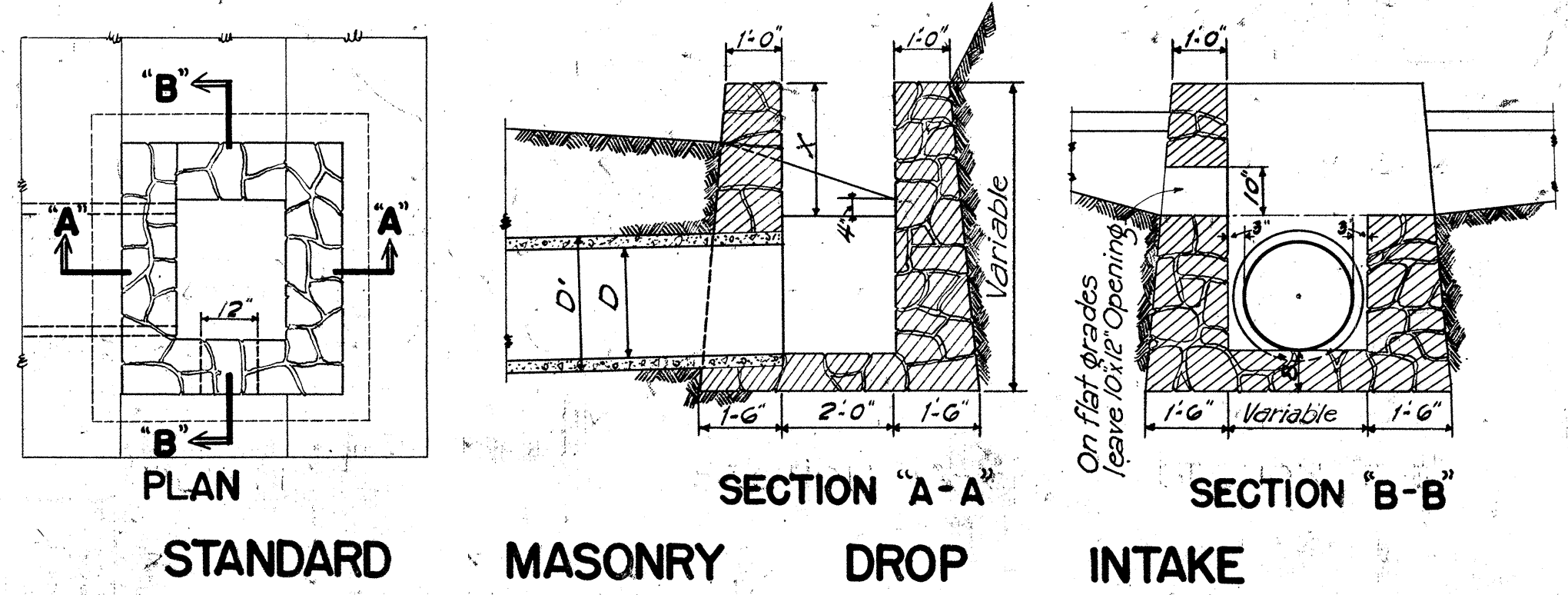
SHEET No 2 OF 3 SHEETS



Data Standard Masonry Drop Intake

Drop	D	L = D + 6"	Cu. Yds.	Where Variable Equals
22"	18"	2'-0"	2.41	4'-6"
29"	24"	2'-6"	2.89	5'-0"
35 1/2"	30"	3'-0"	3.38	5'-6"
42"	36"	3'-6"	3.92	6'-0"

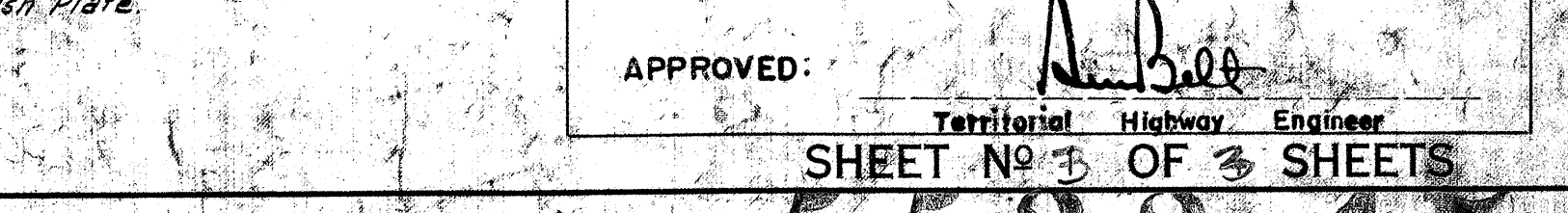
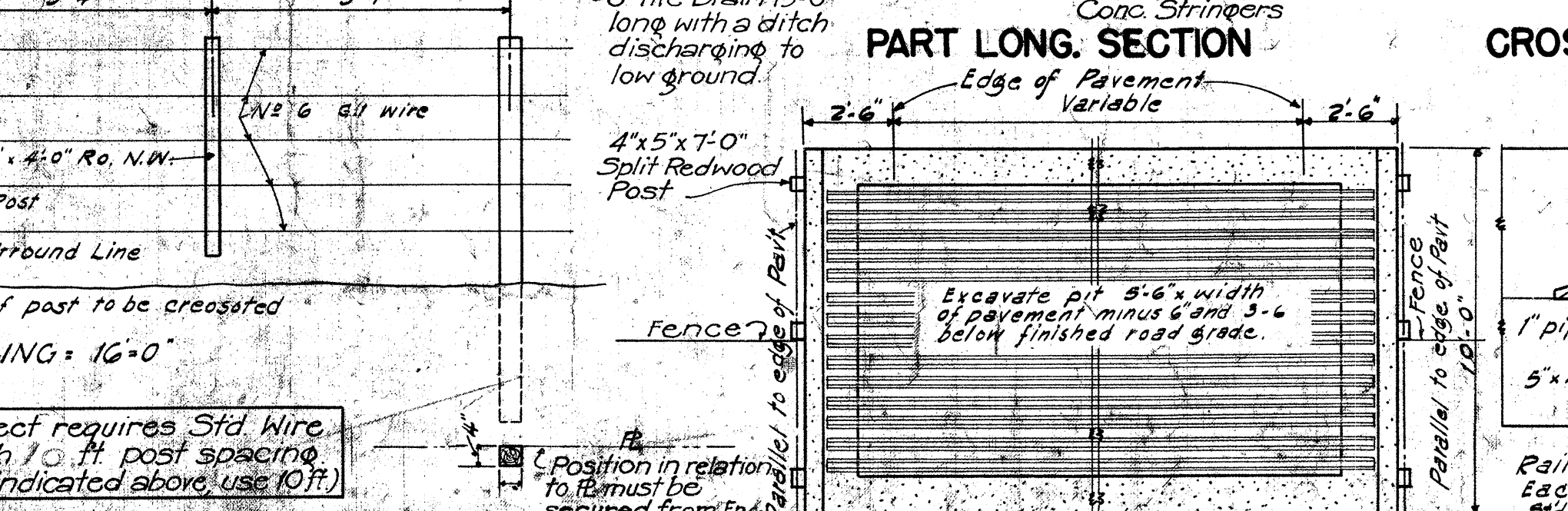
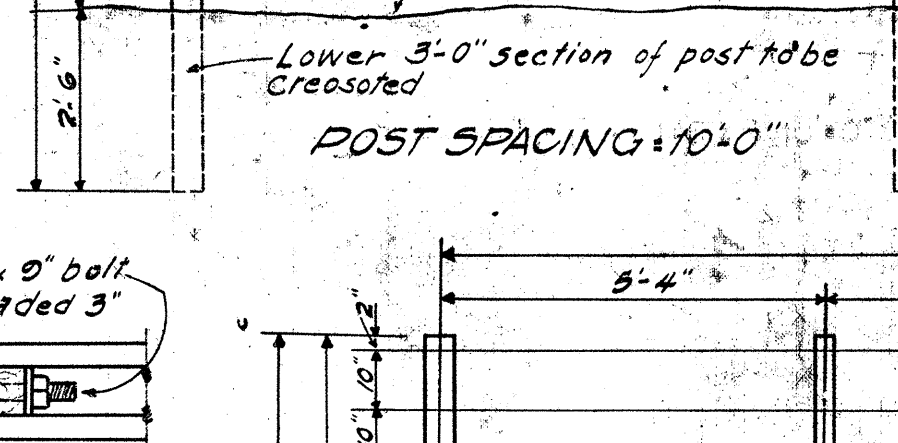
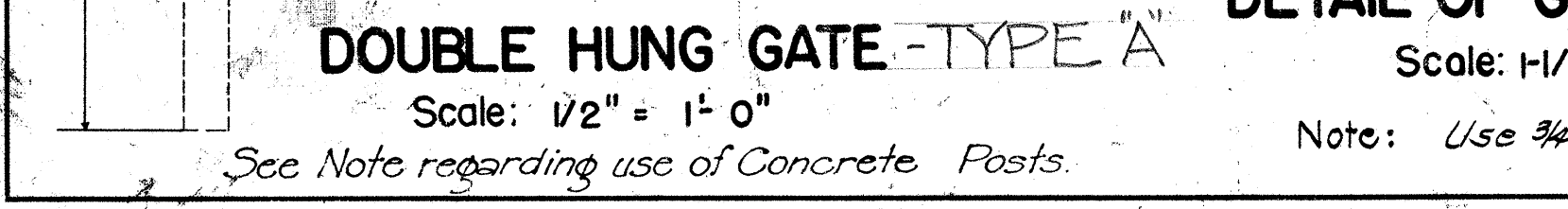
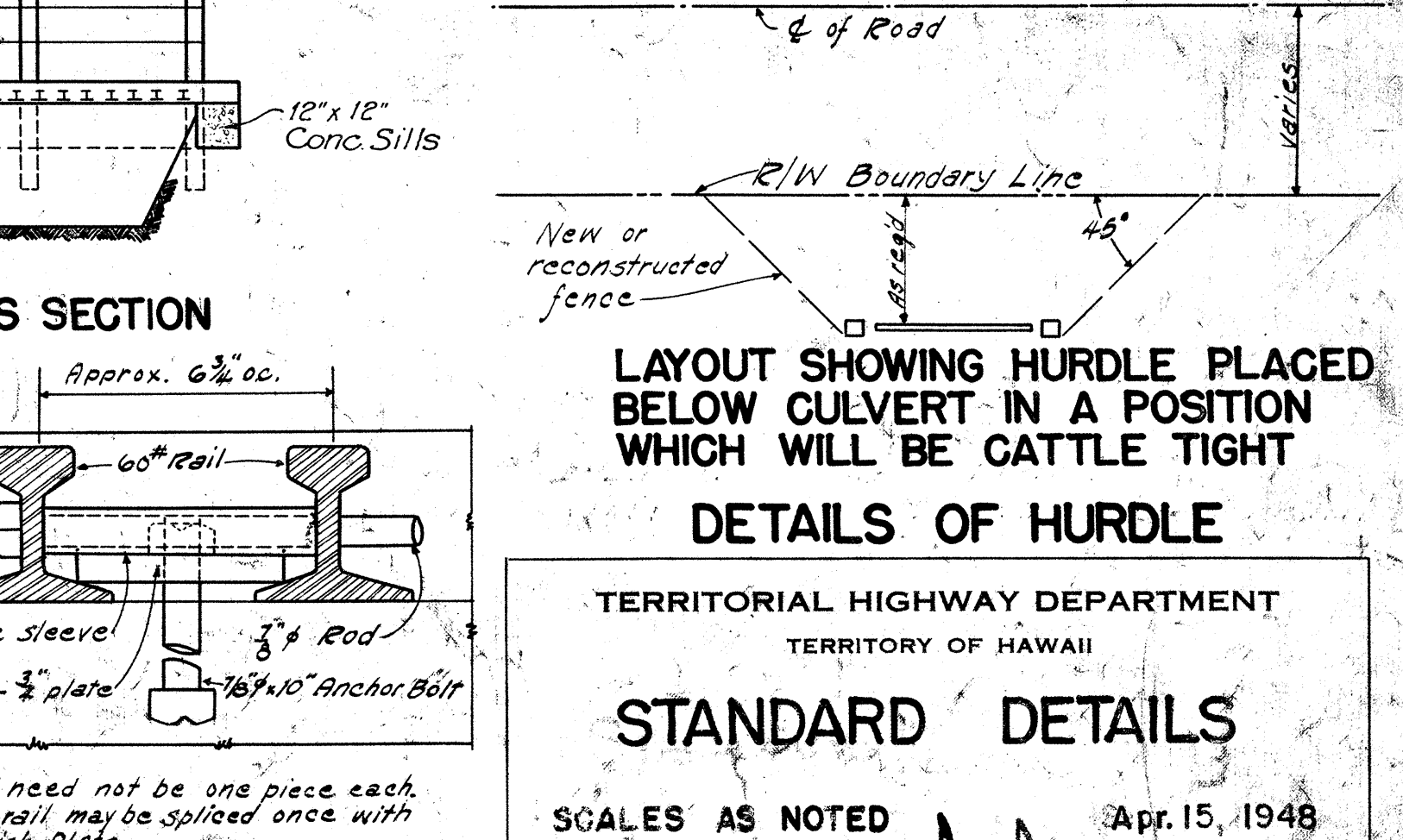
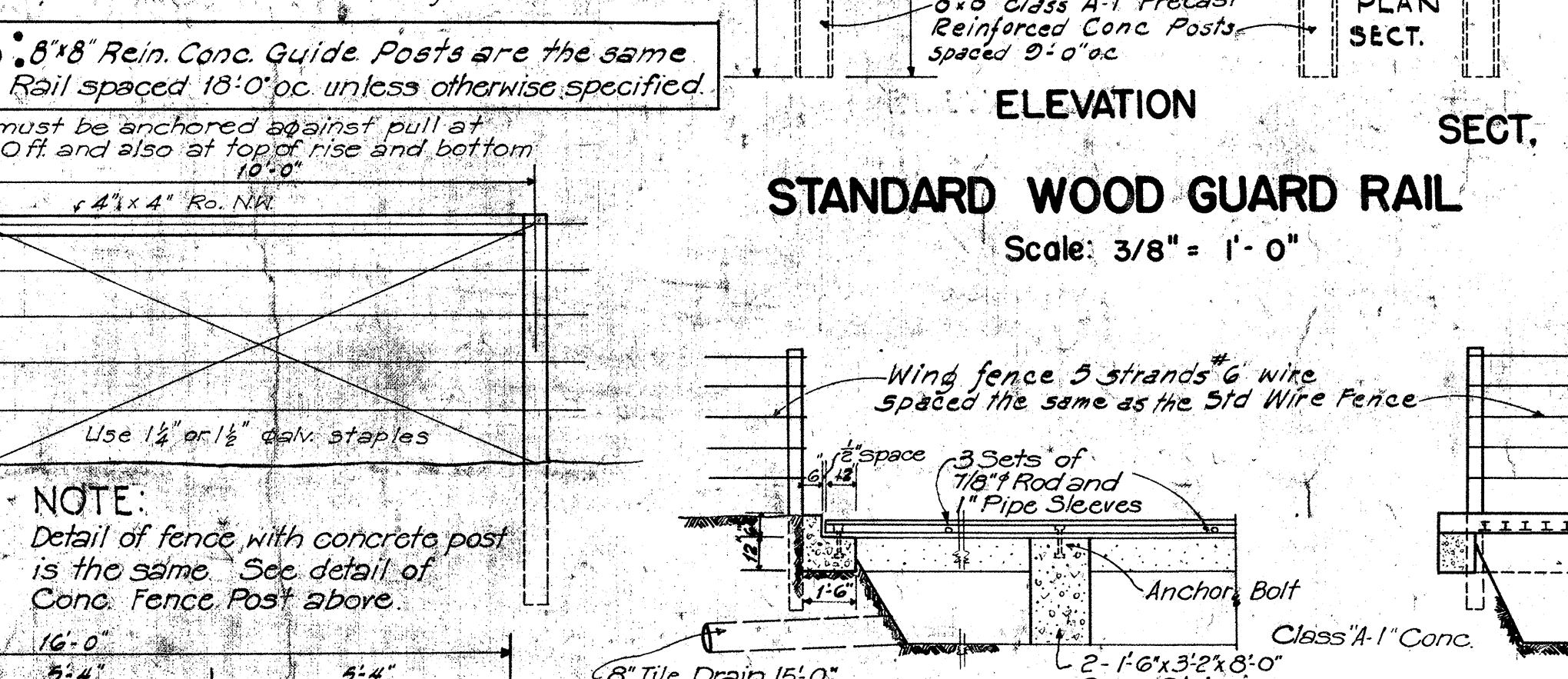
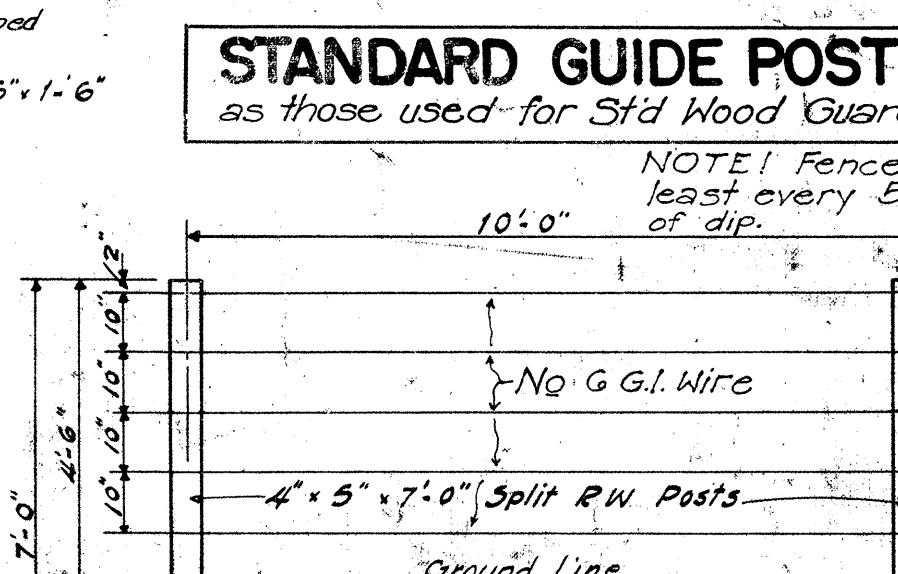
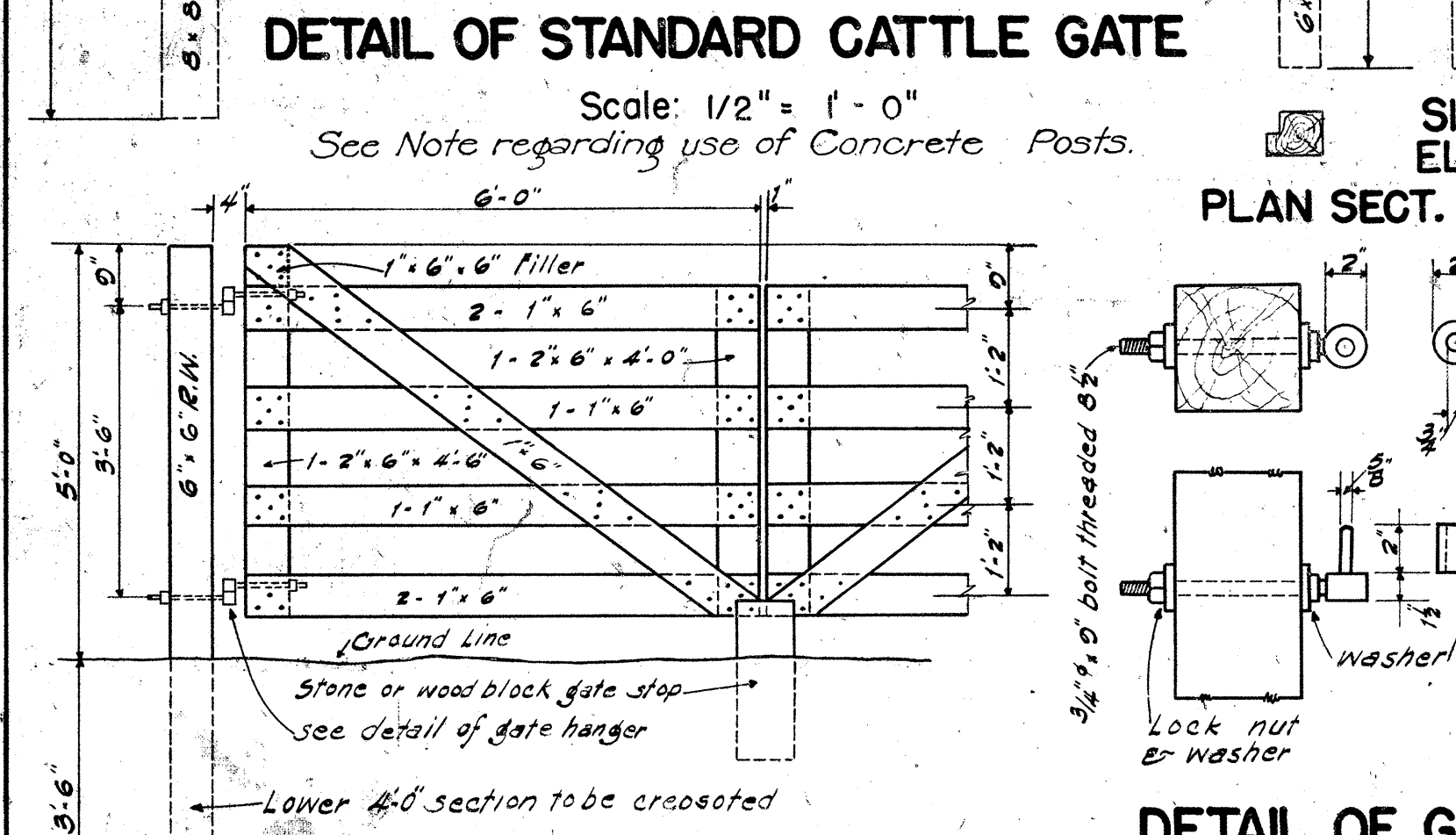
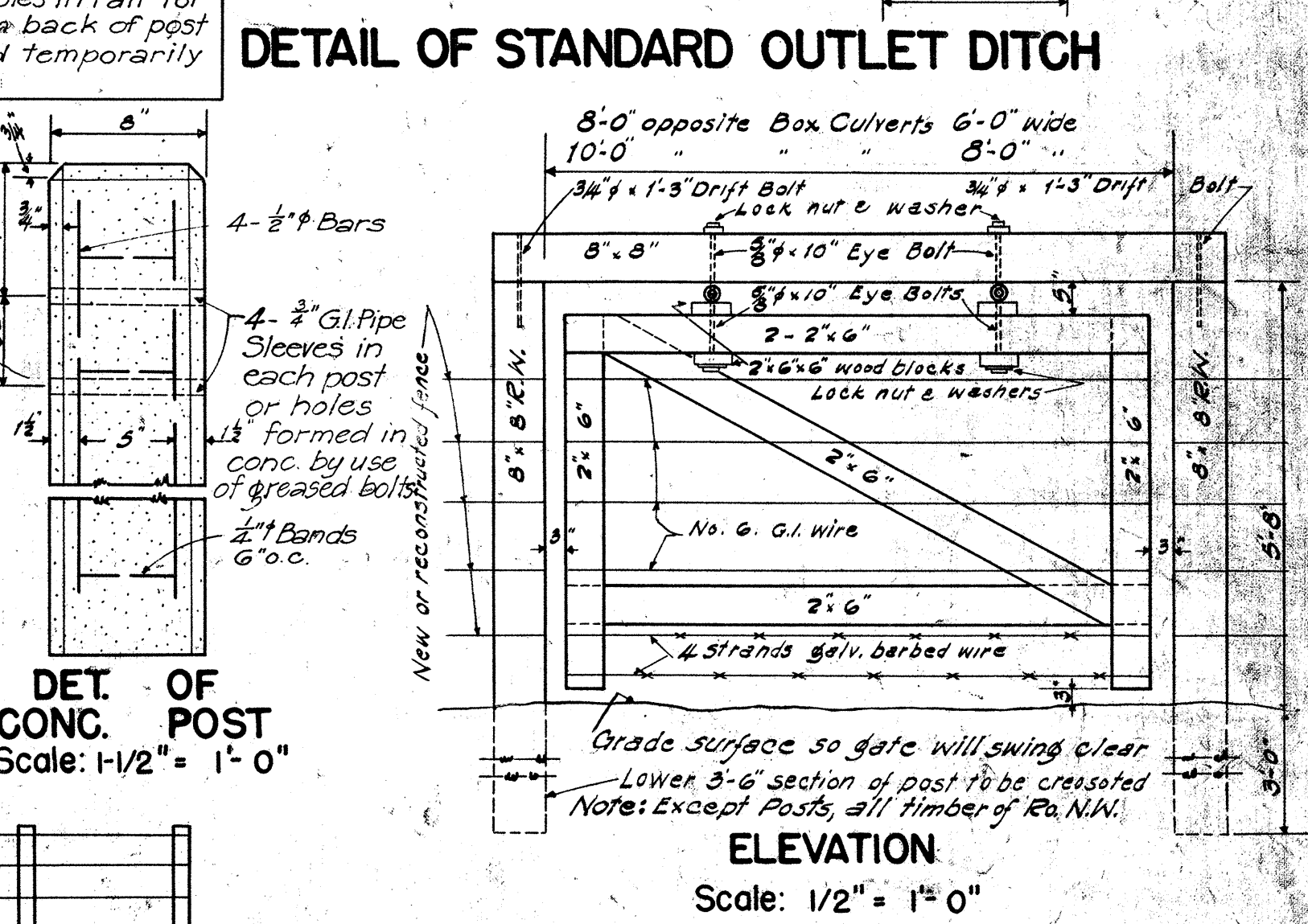
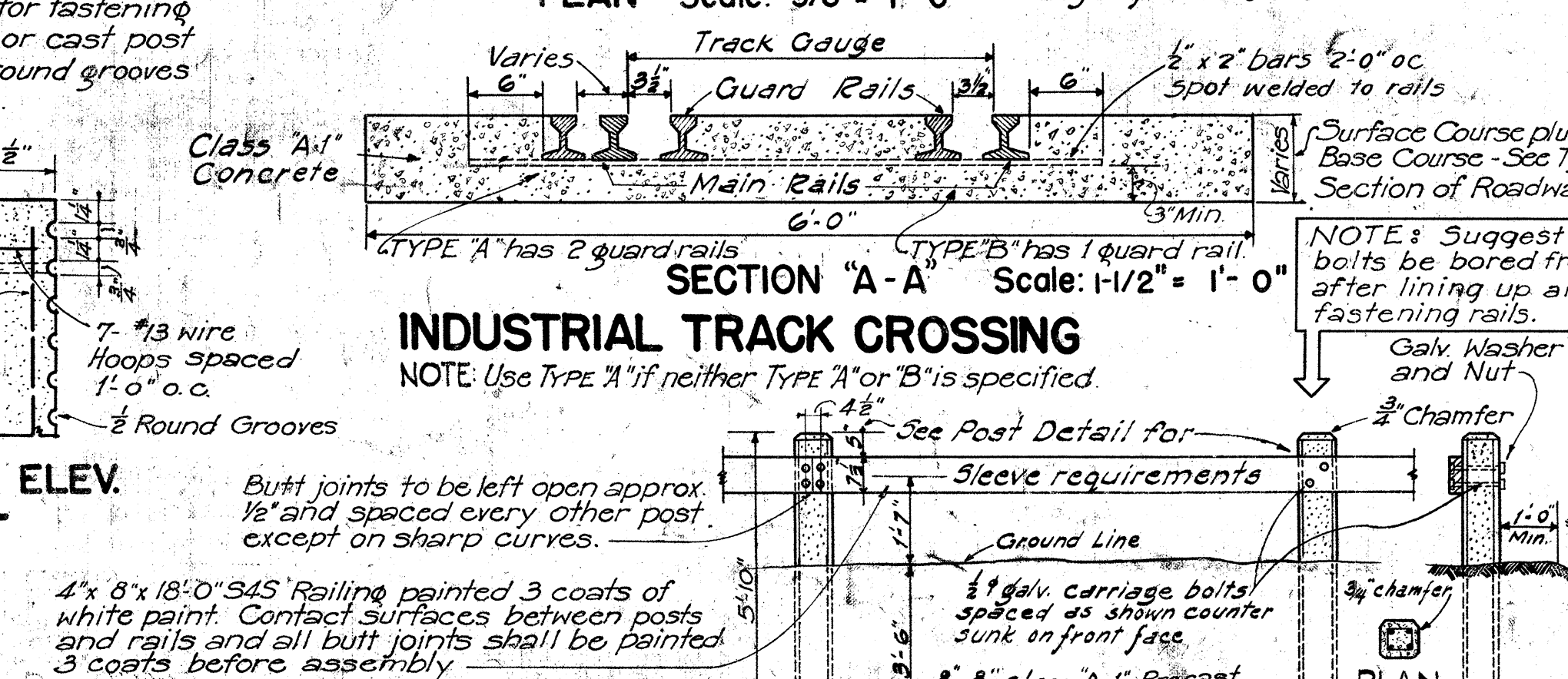
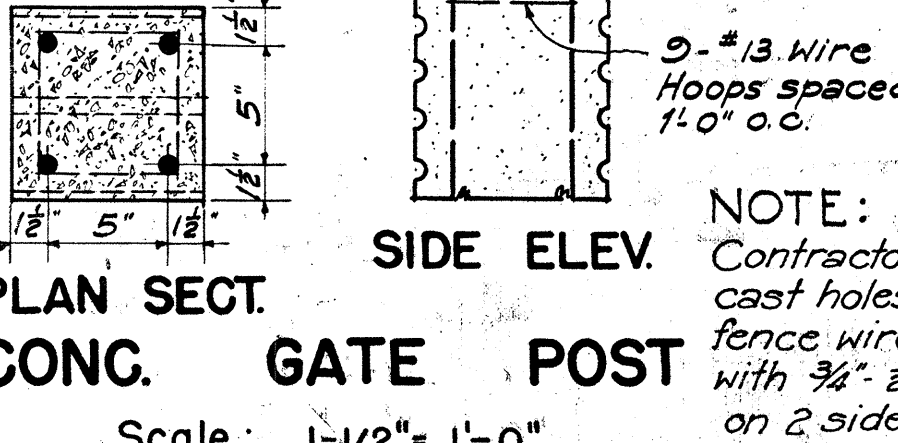
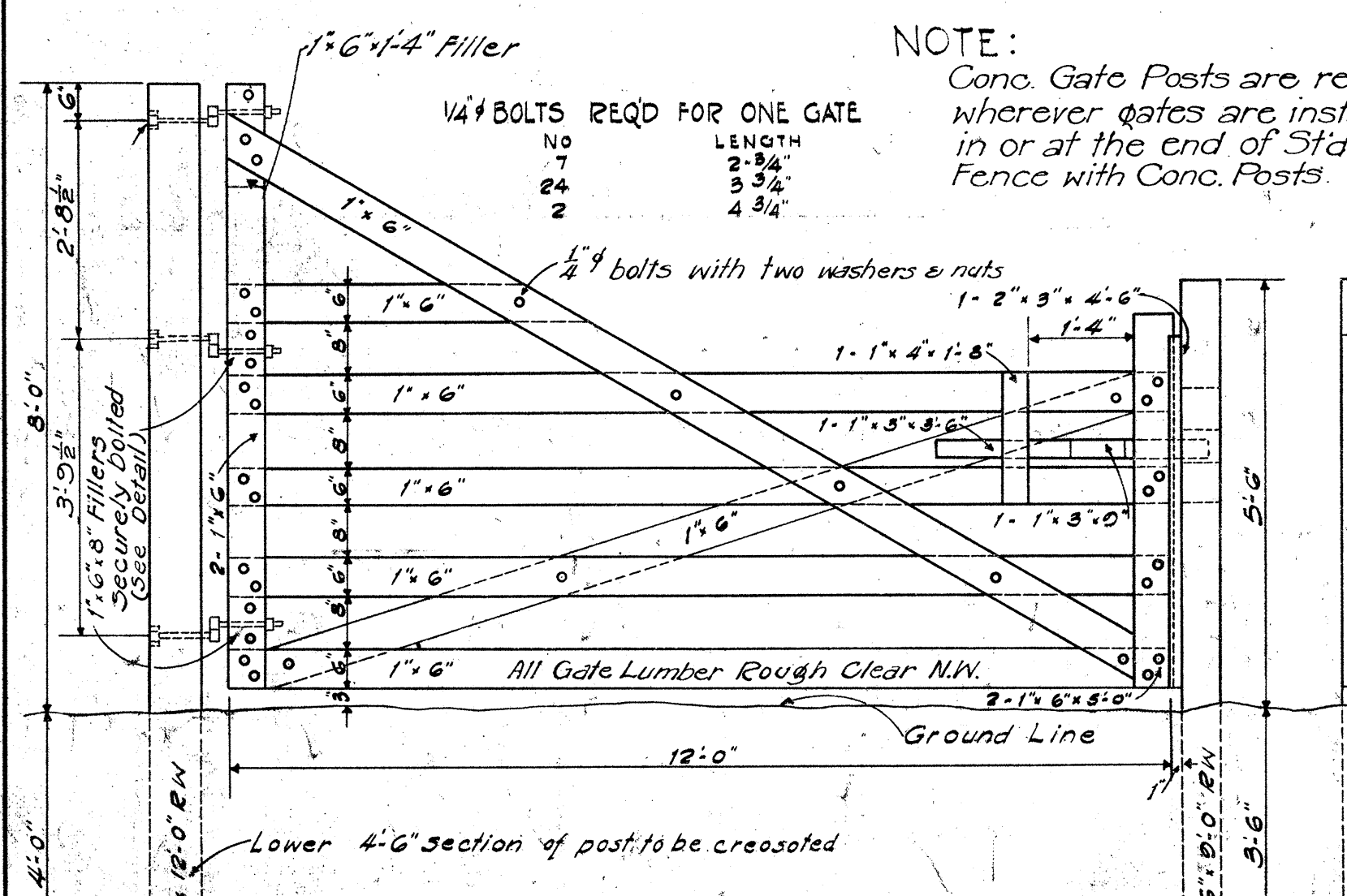
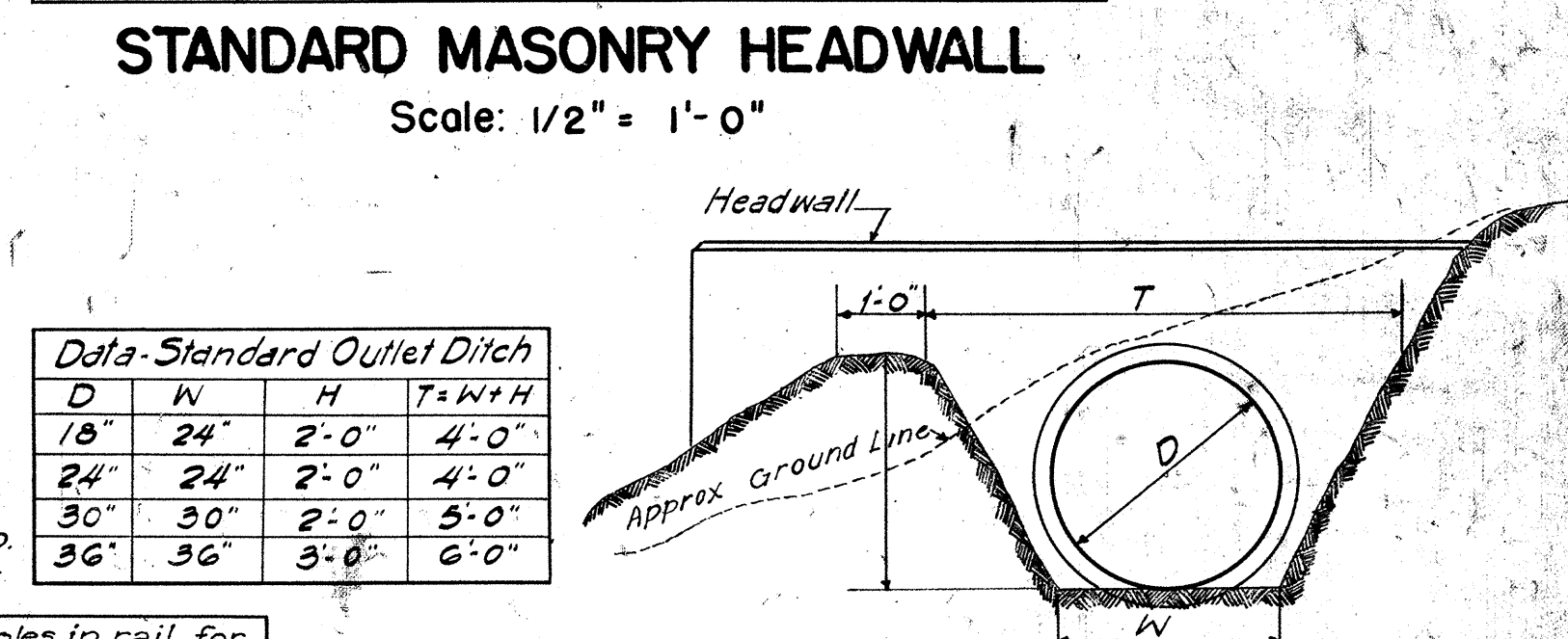
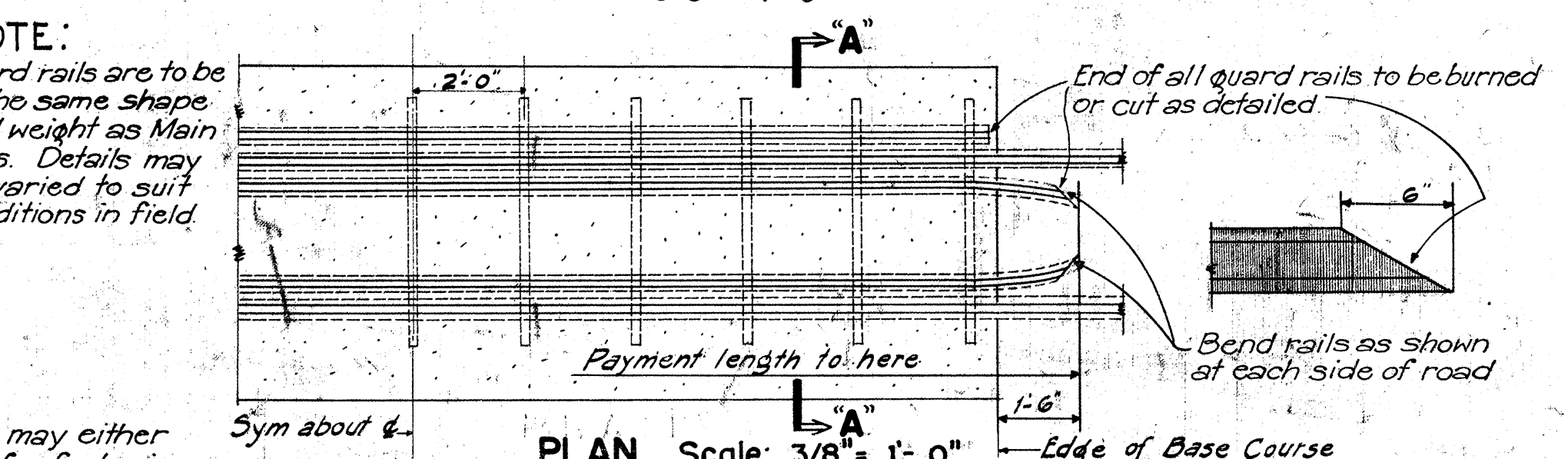
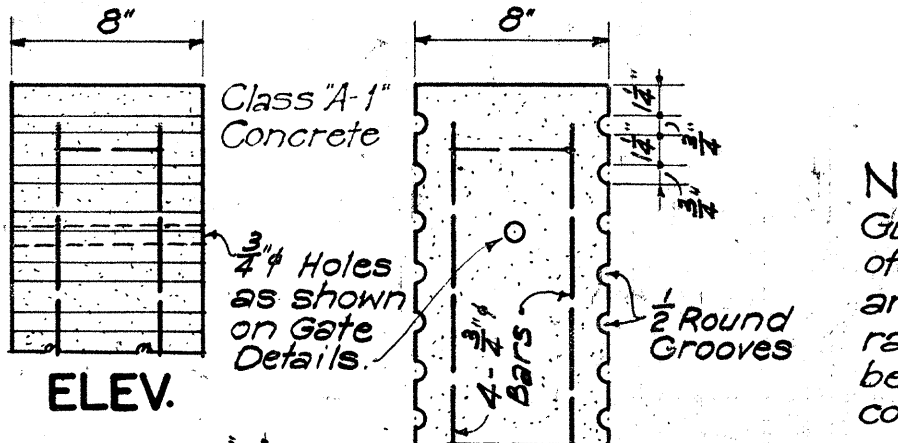
NOTE: Dimension "X" is assumed as 2'-4" in figuring the above quantities.



Data-Standard Outlet Ditch

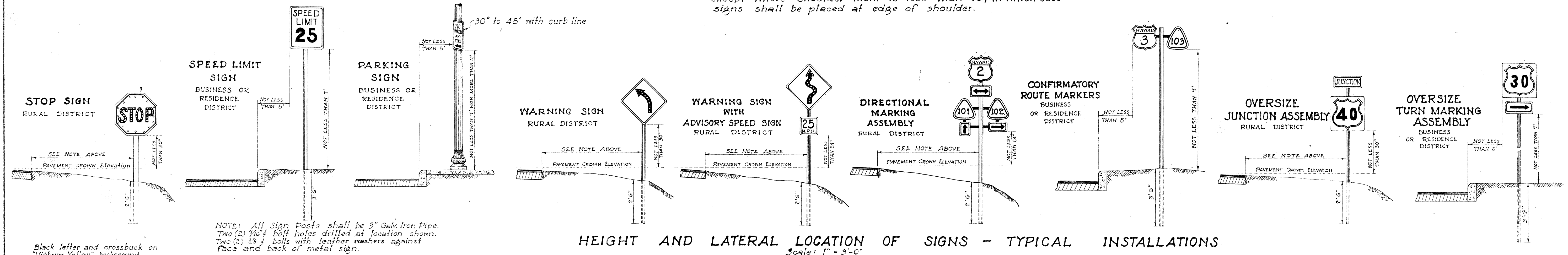
Cu. Yds.	Precast	D	H	B	L	CX one HM
0.85	0.95	18"	3'-6"	1'-9"	6'-0"	0.95
1.28	1.45	24"	4'-0"	2'-0"	7'-6"	1.41
1.83	2.06	30"	4'-6"	2'-3"	9'-0"	2.00
2.40	2.84	36"	5'-0"	2'-6"	10'-6"	2.72

NOTE: Volume for one head wall is for corrugated pipe culvert.

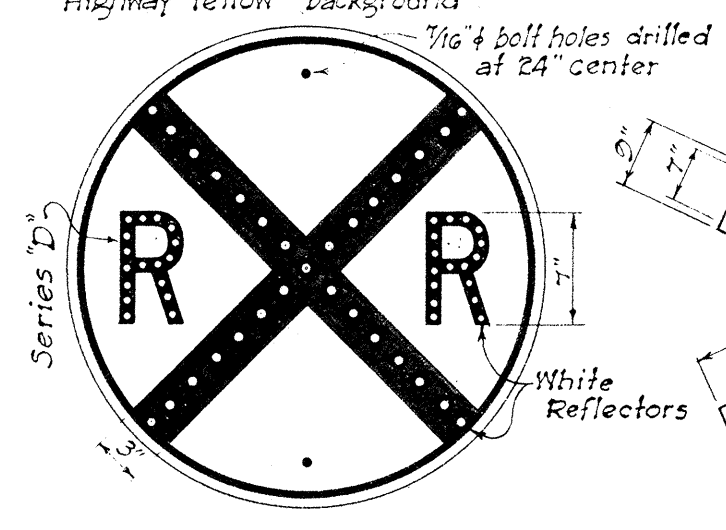


10-3-'51

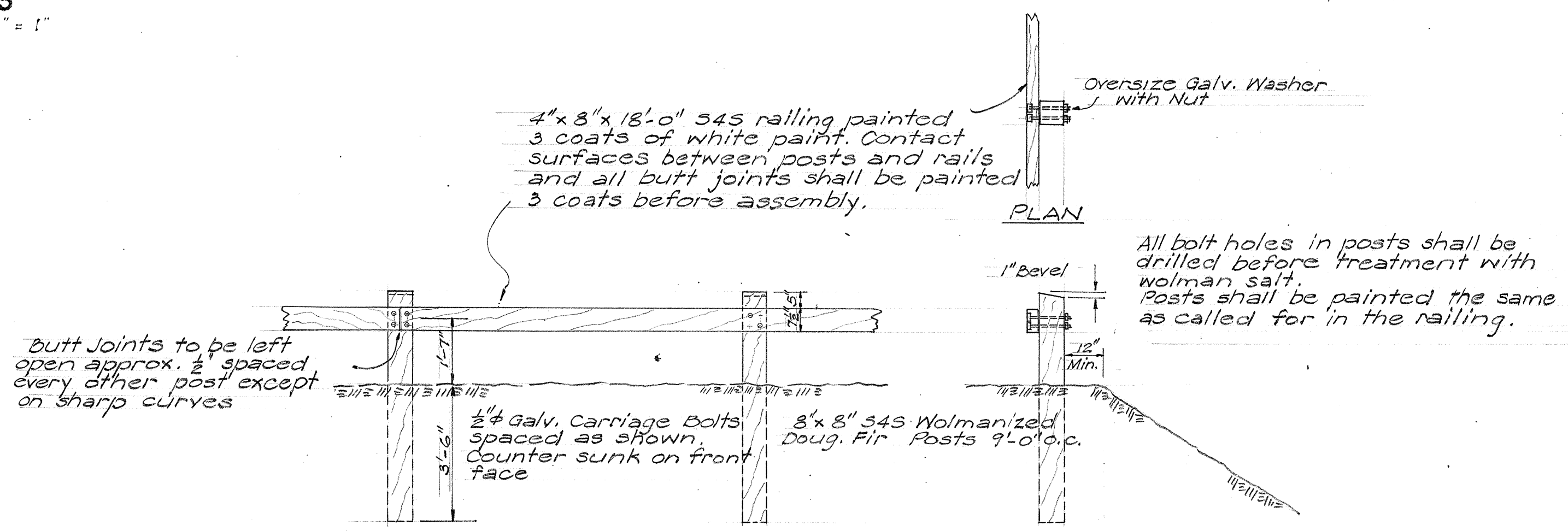
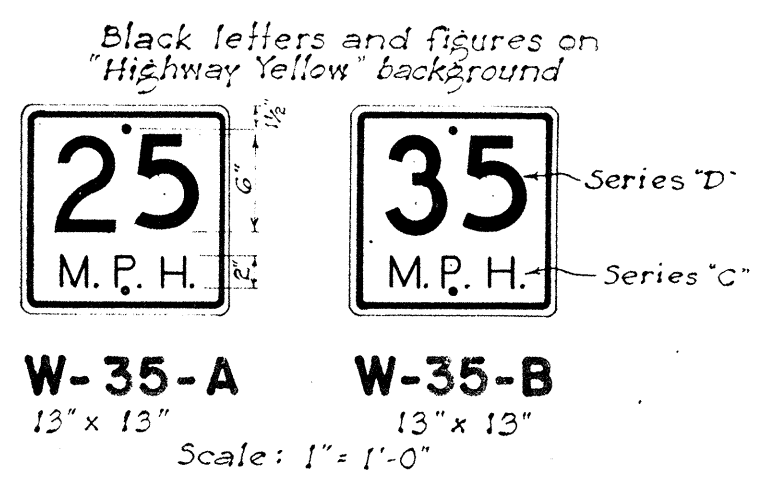
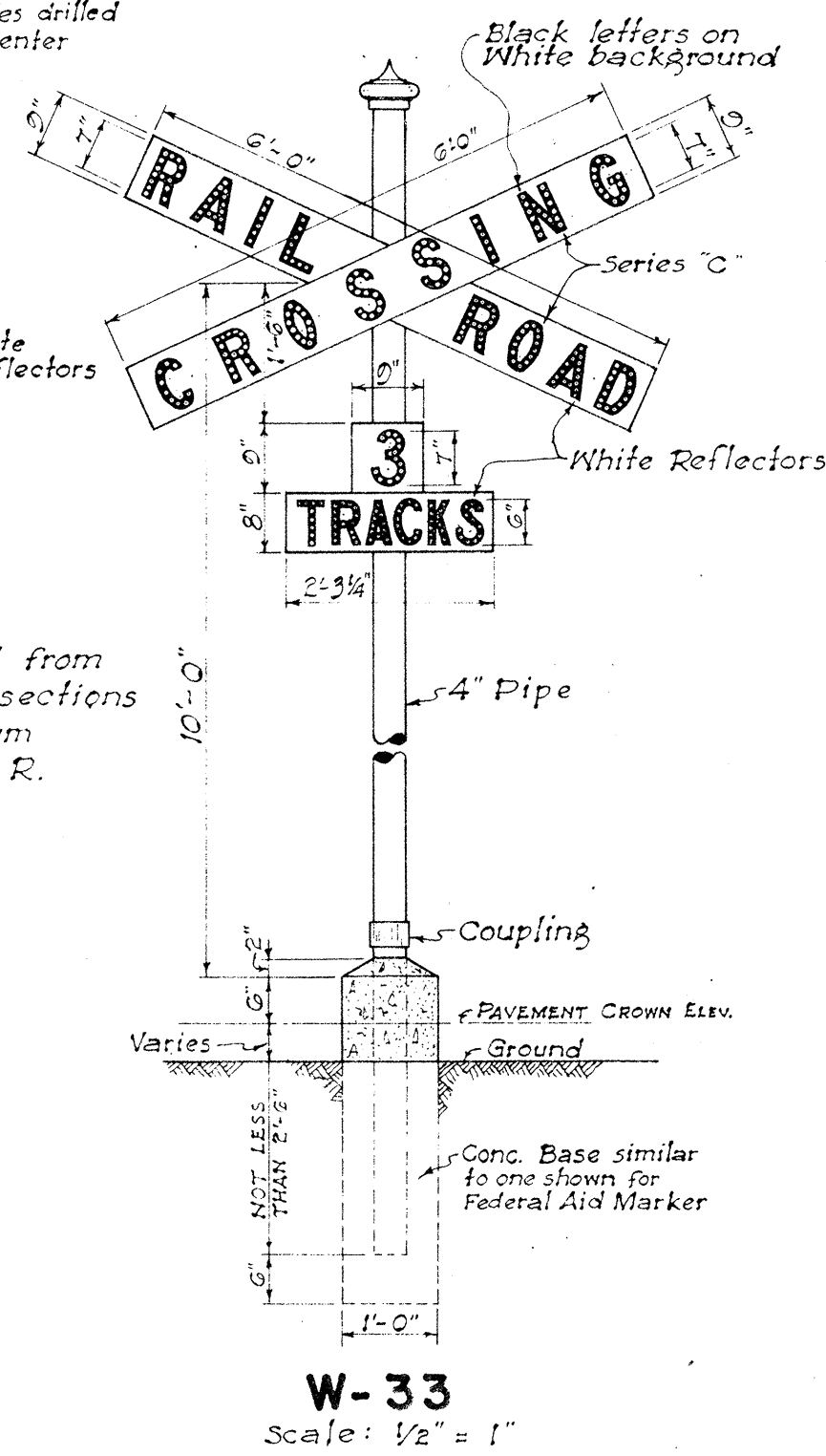
Note: All signs shall be placed 10' from edge of pavement except where shoulder width is less than 10', in which case signs shall be placed at edge of shoulder.



Black letter and crossbuck on "Highway Yellow" background.



Note: This sign shall be placed from 300 to 500 feet from R.R. intersections in rural areas and a minimum distance of 100 feet from R.R. intersections in Residence or Business districts.



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
REGULATORY & WARNING SIGNS
SCALE AS NOTED
APPROVED: *Hubert*
Territorial Highway Engineer