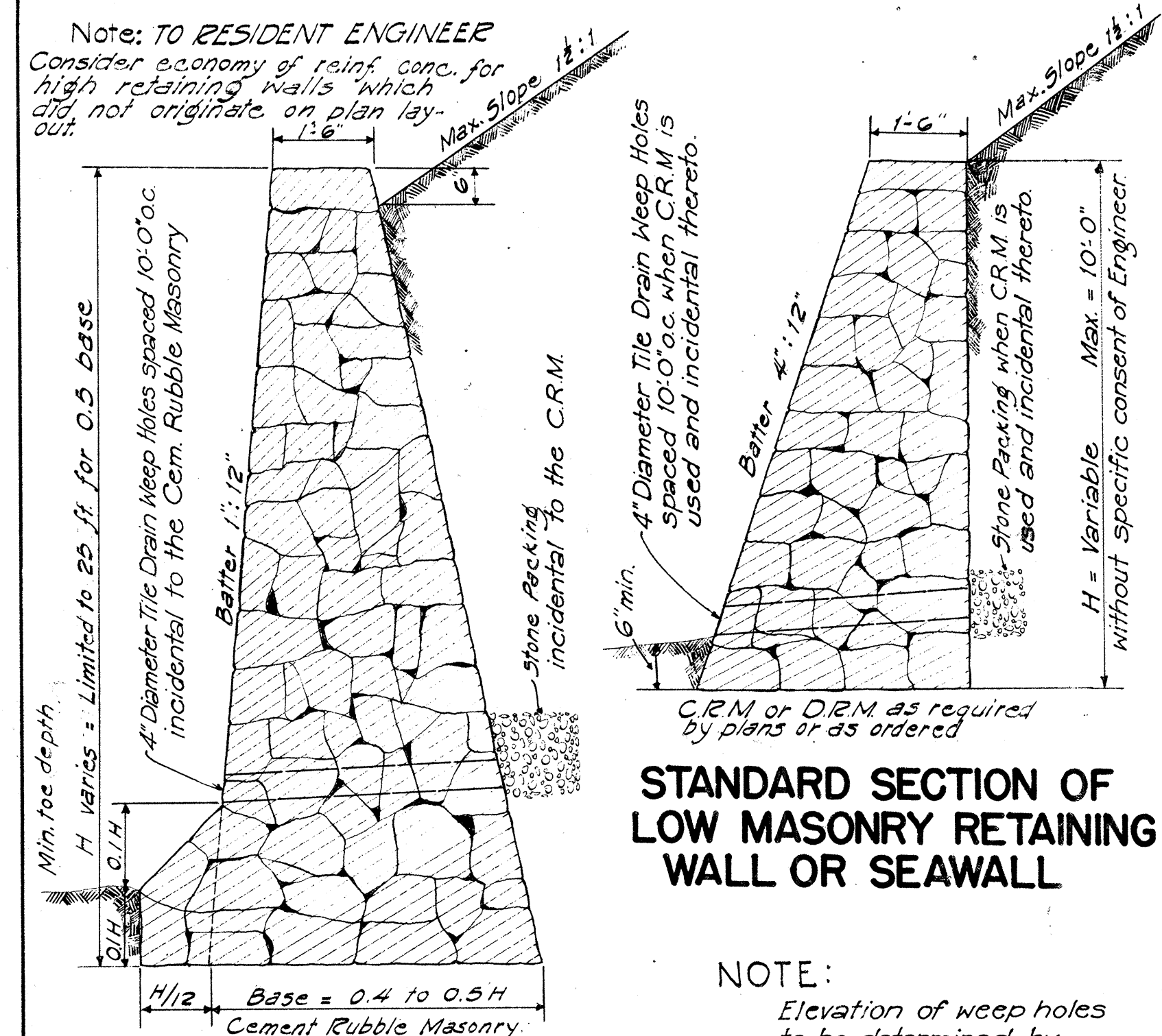
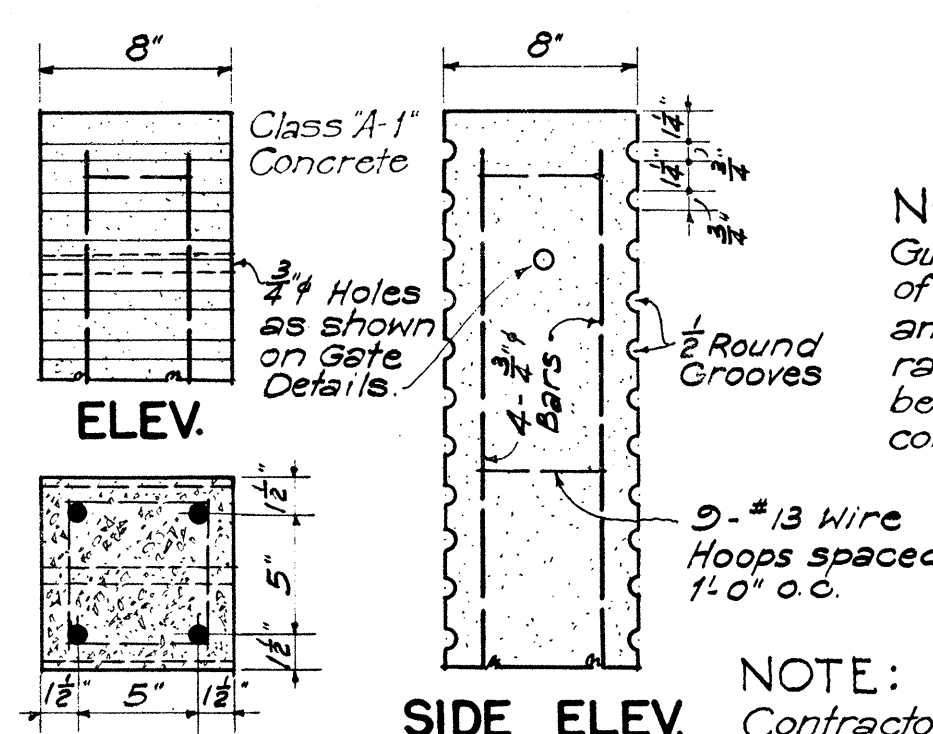


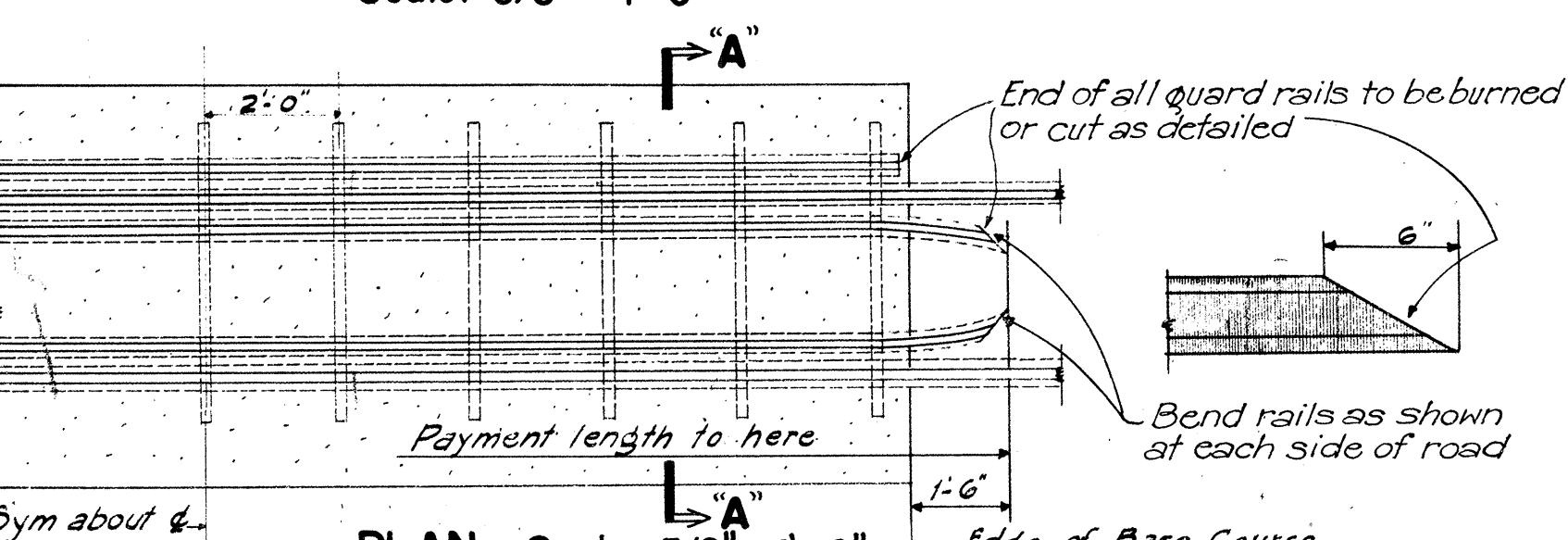
Data Standard Masonry Drop Intake

D	D	L = D + 6"	Cu. Yds	Where Variable Equals
22 1/2"	18"	2'-0"	2.41	4'-0"
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.



NOTE: Guard rails are to be of the same shape and weight as main rails. Details may be varied to suit conditions in field.

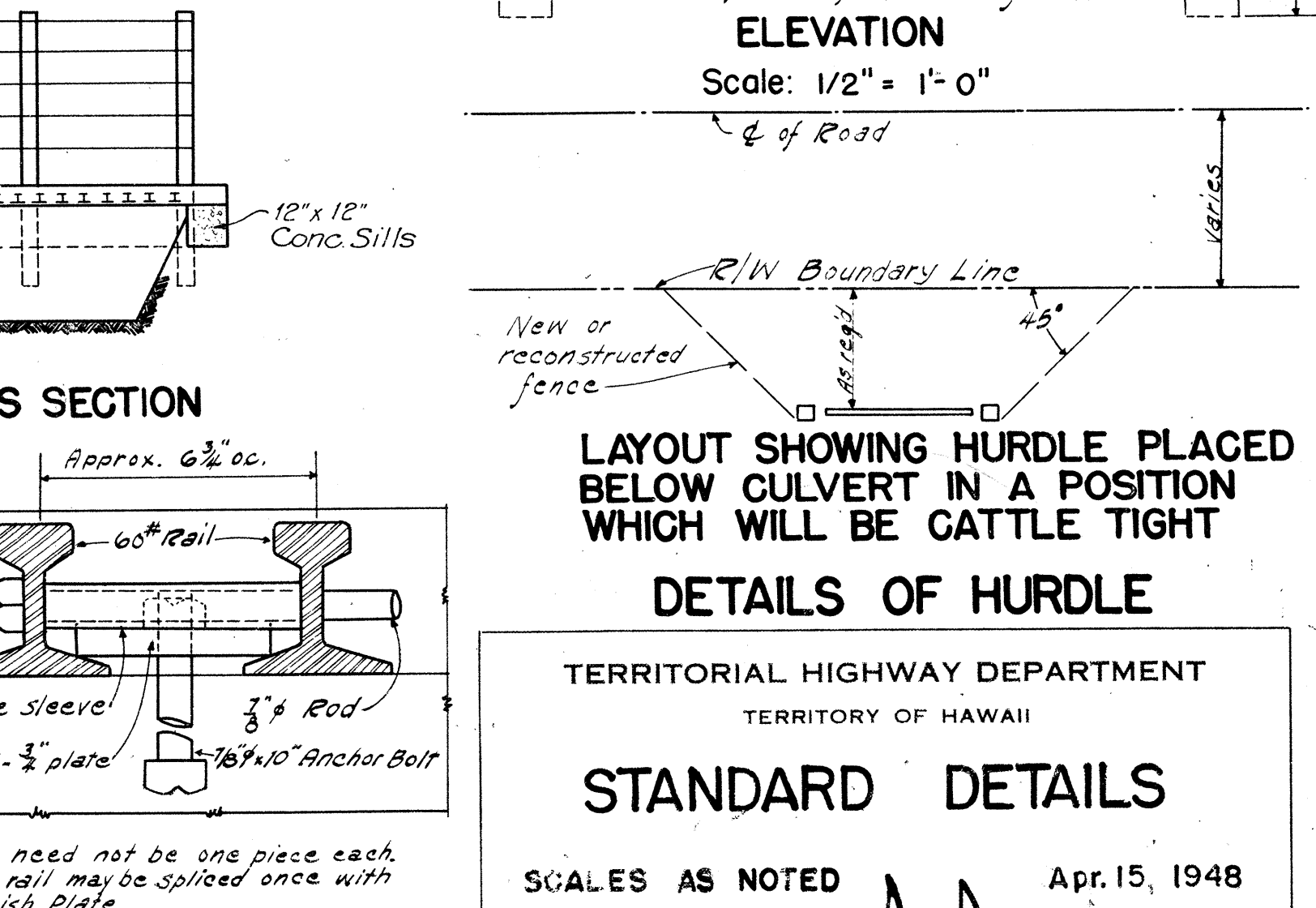
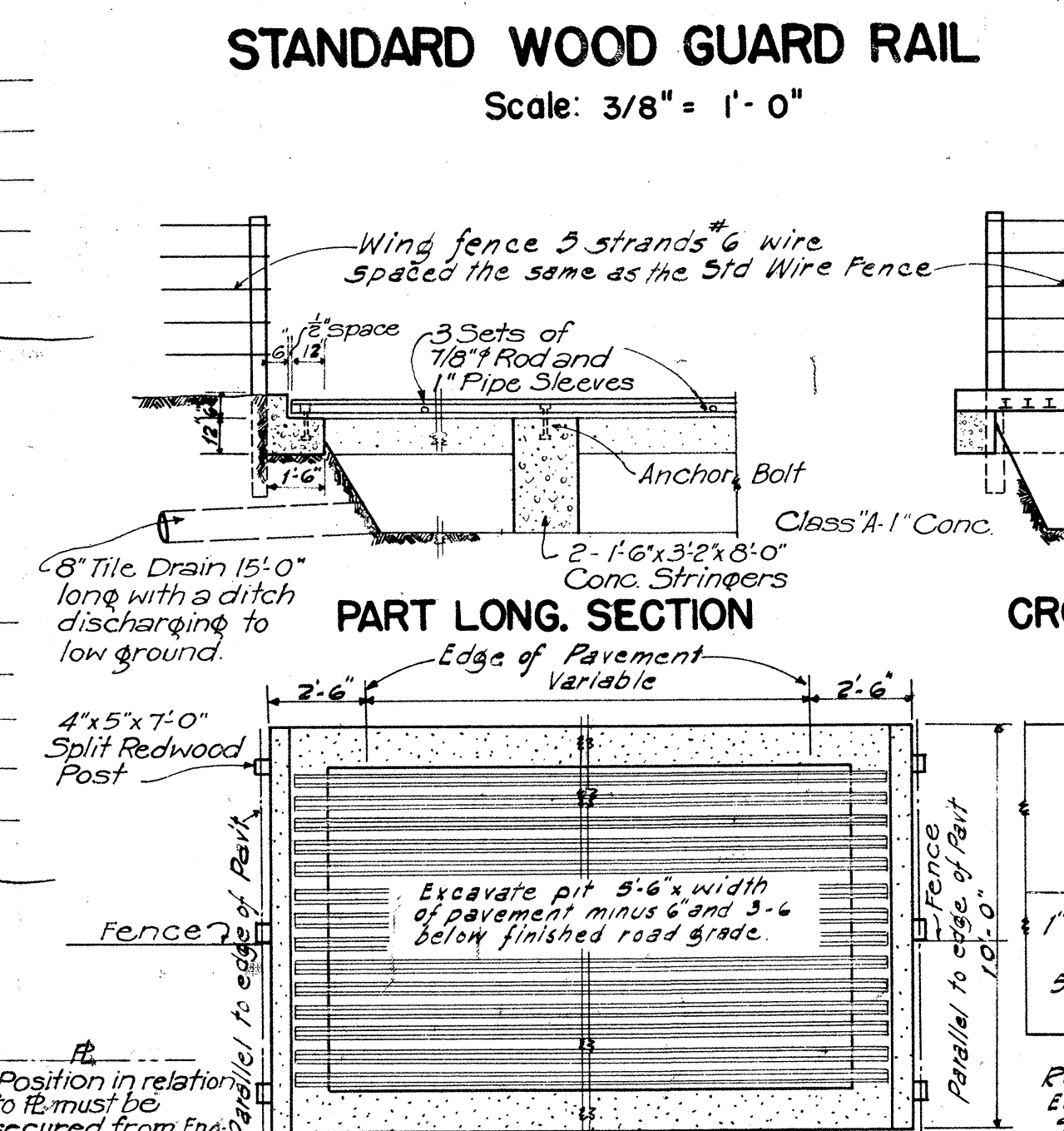
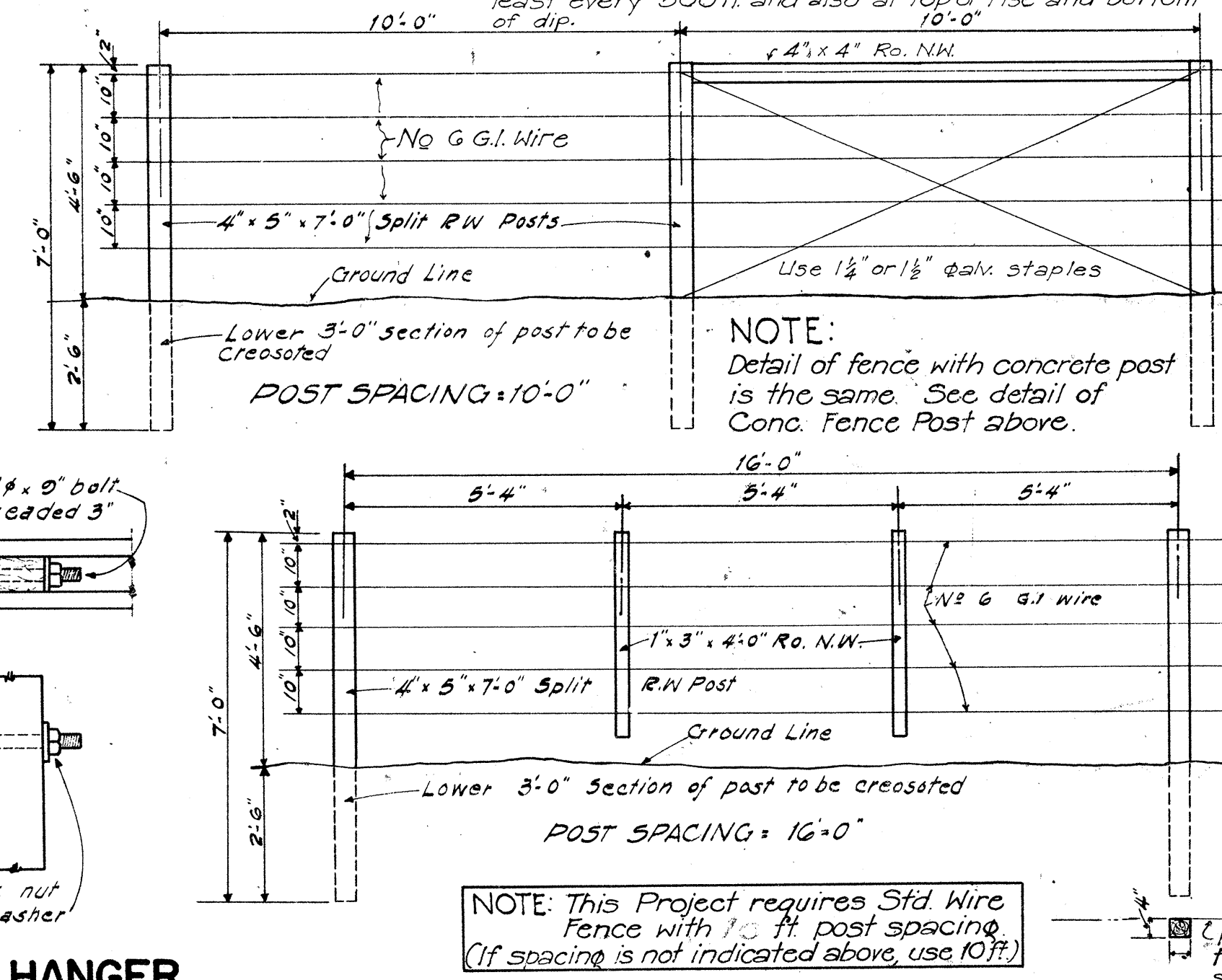
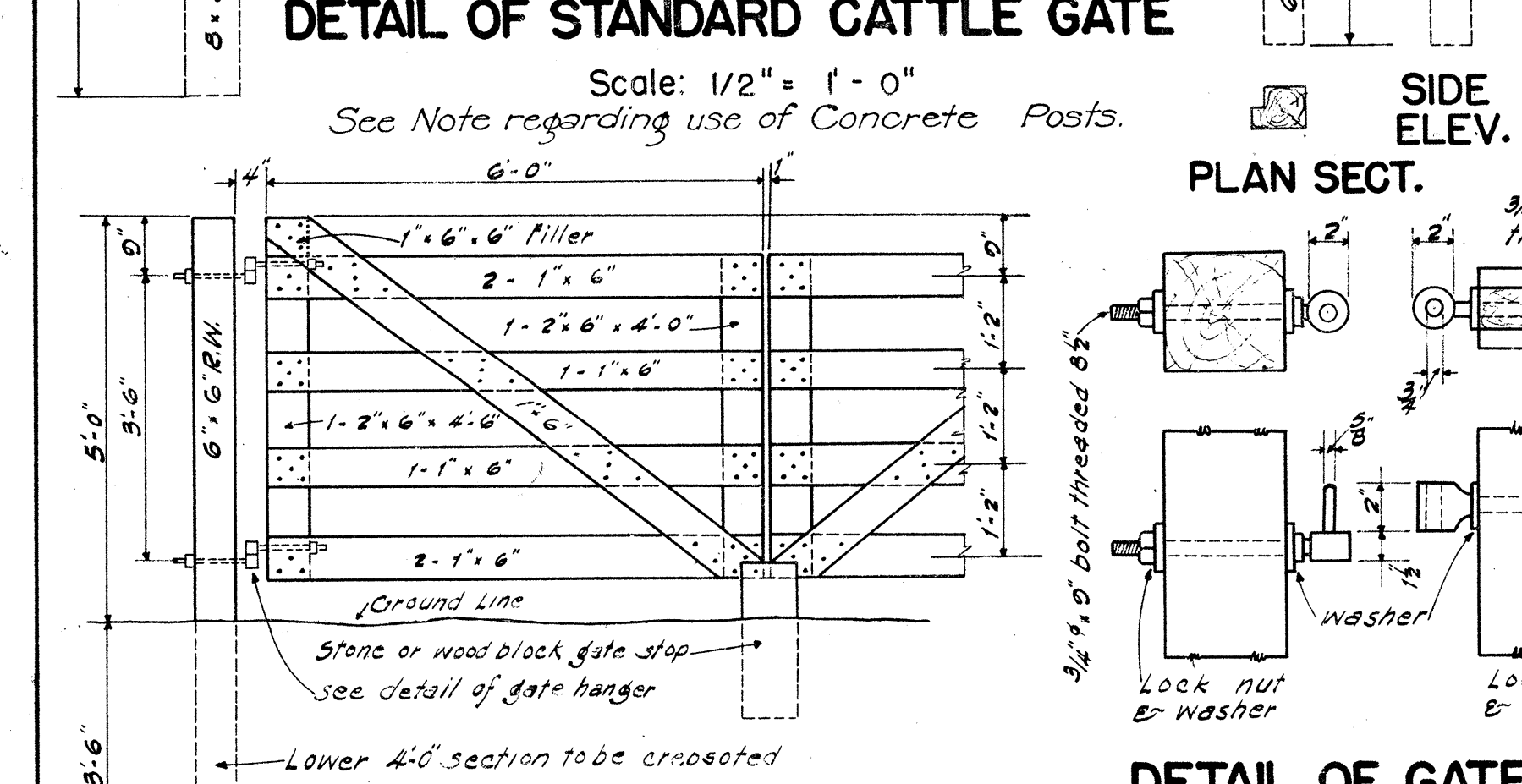
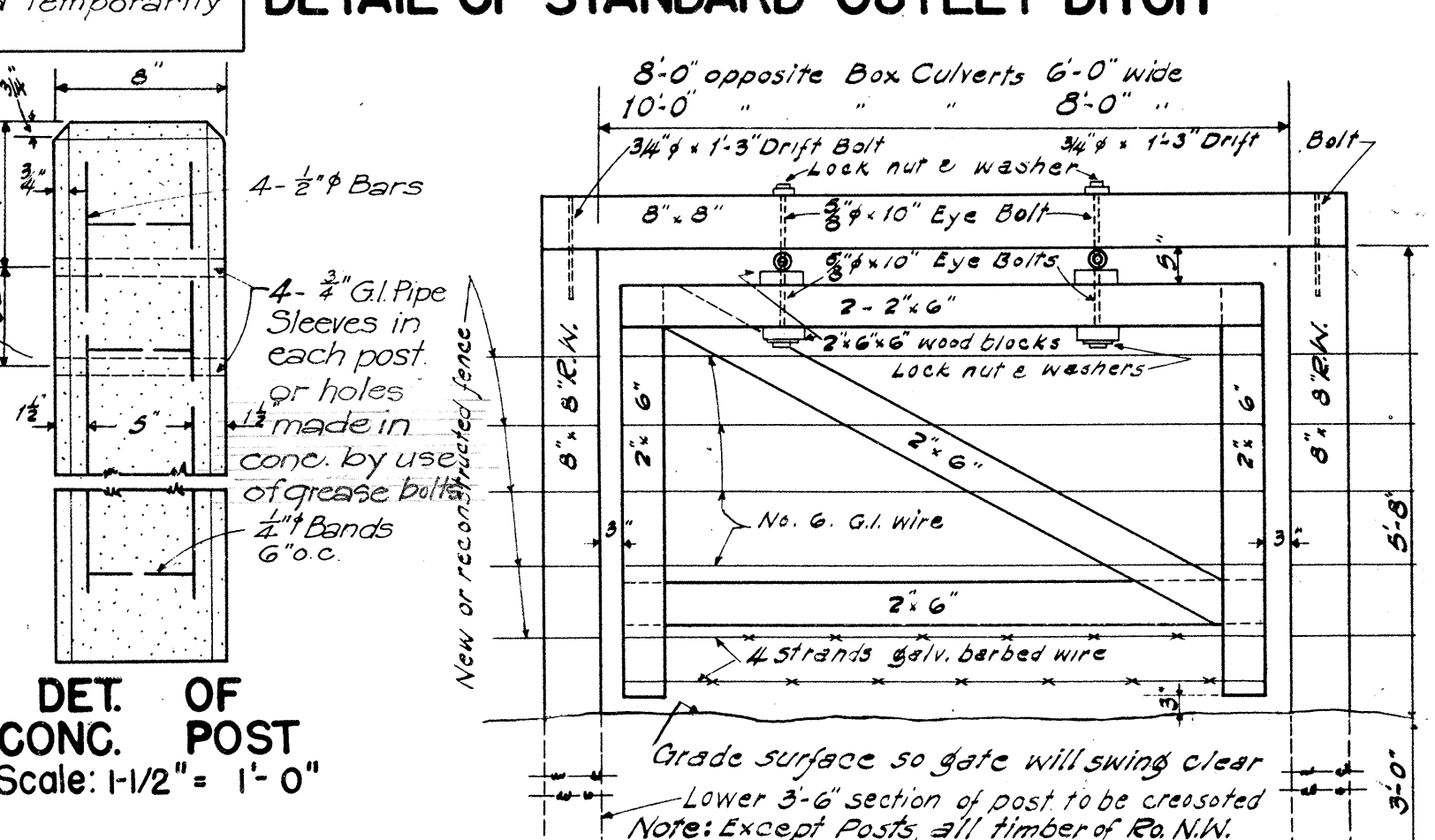
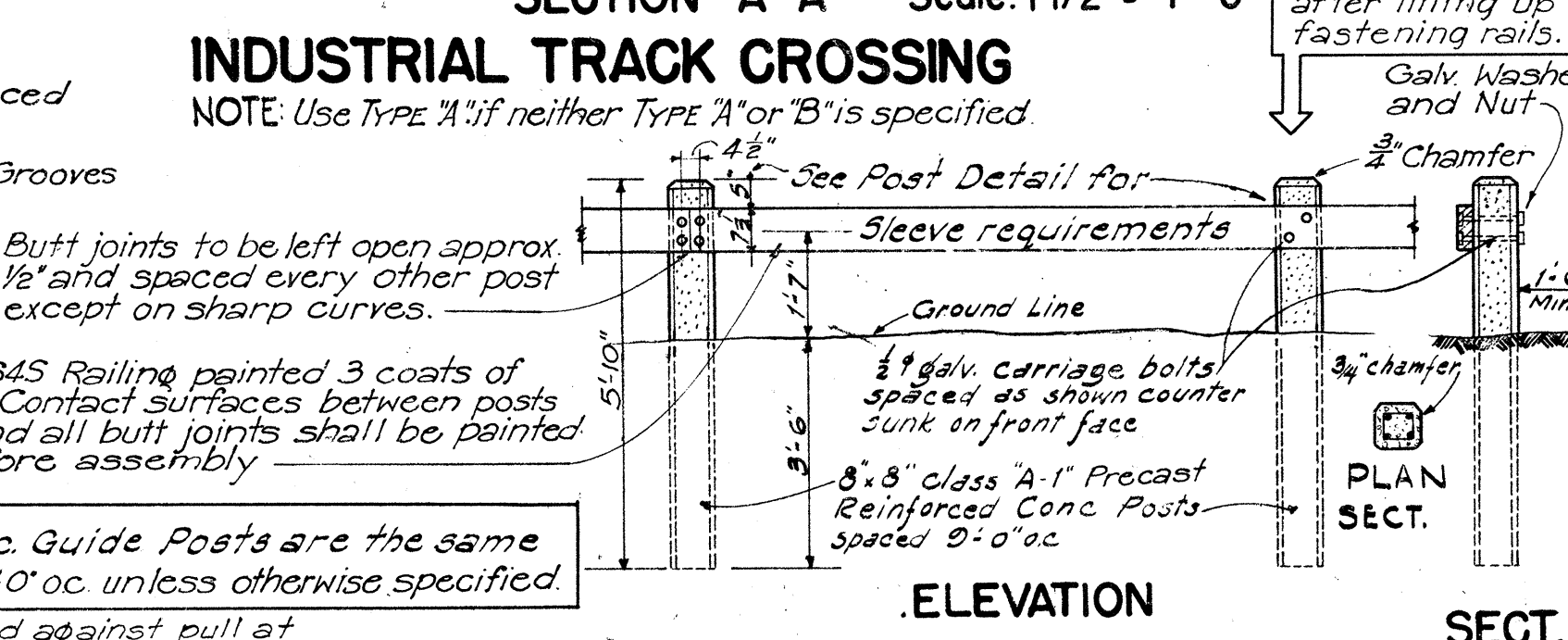
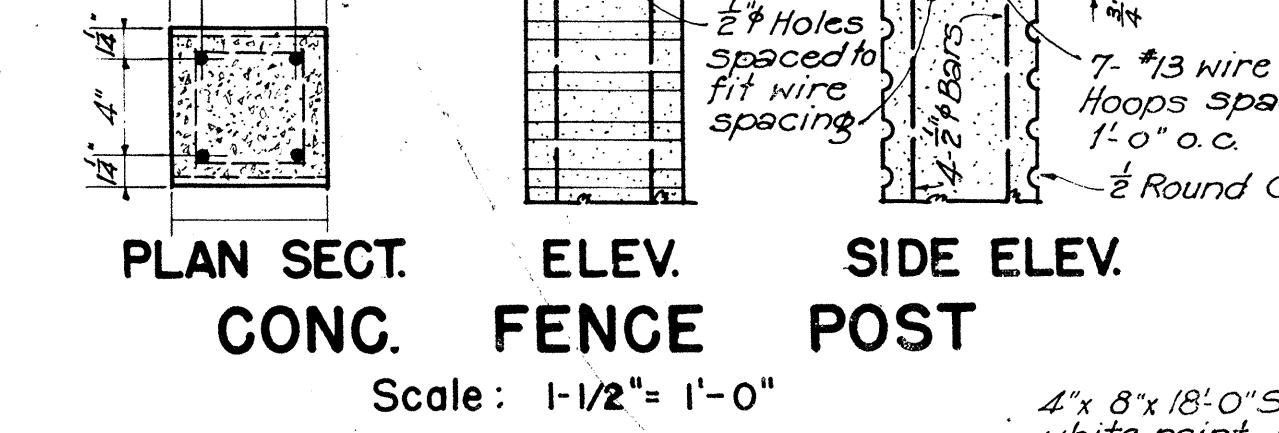
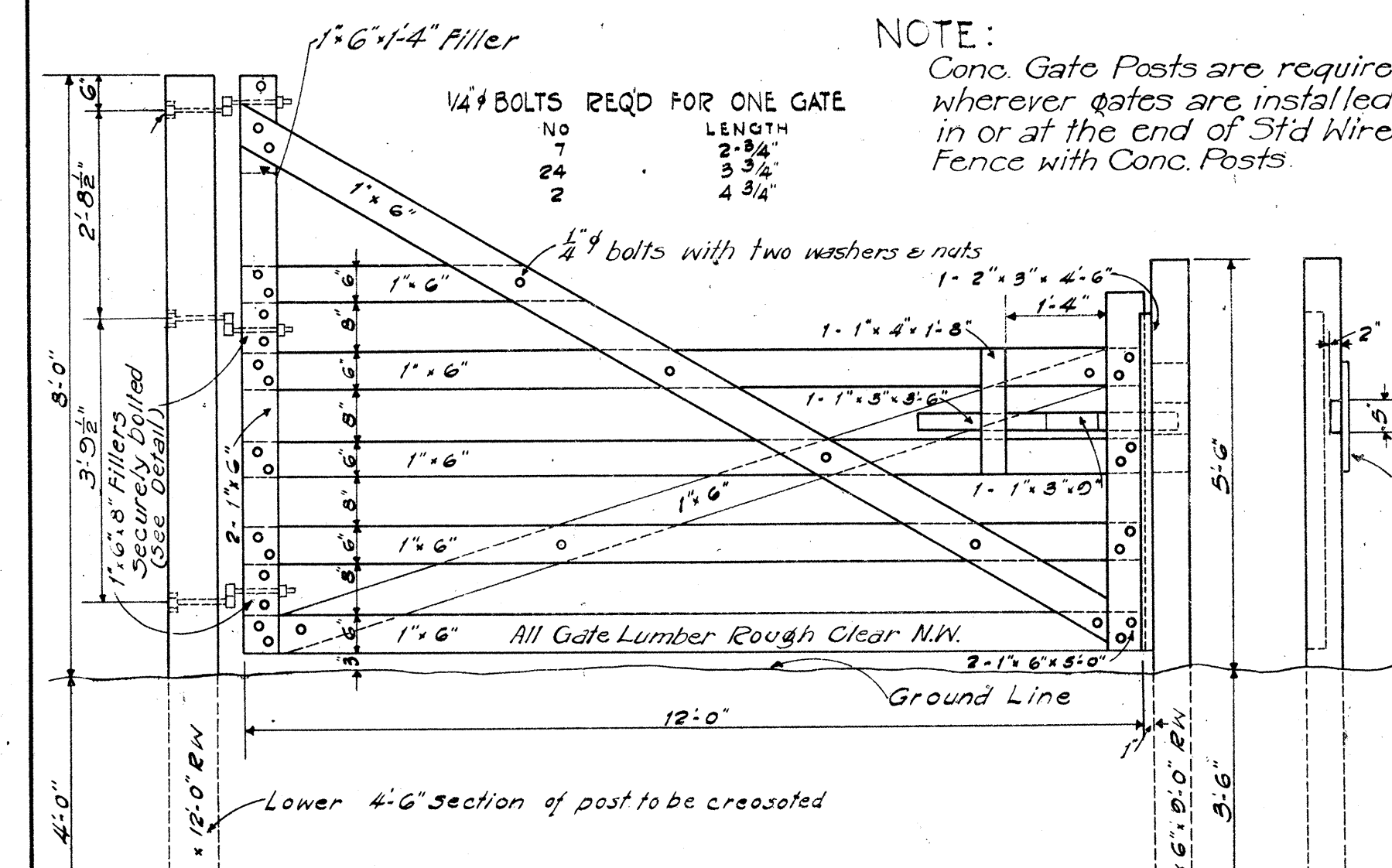
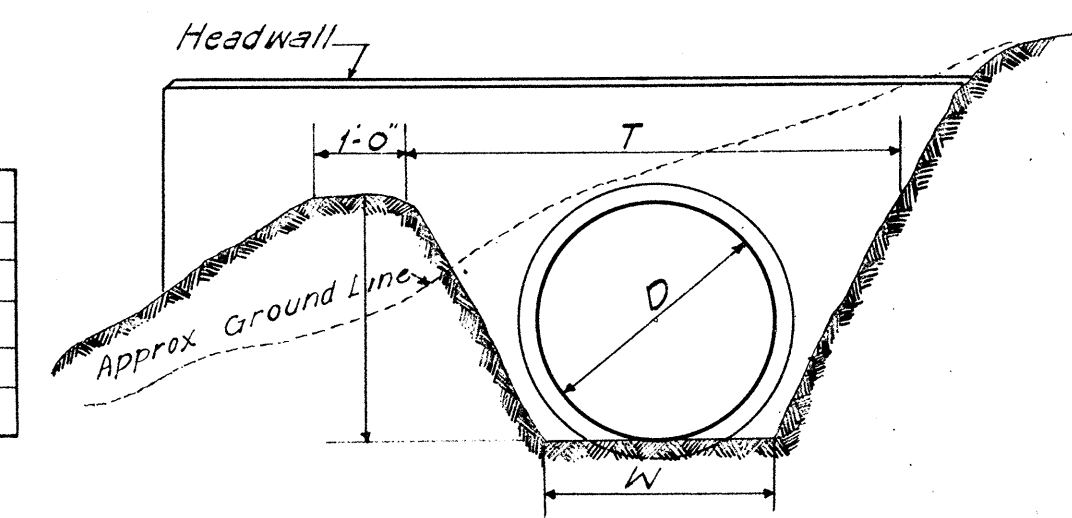


Data-Standard Rubble Masonry H.W.

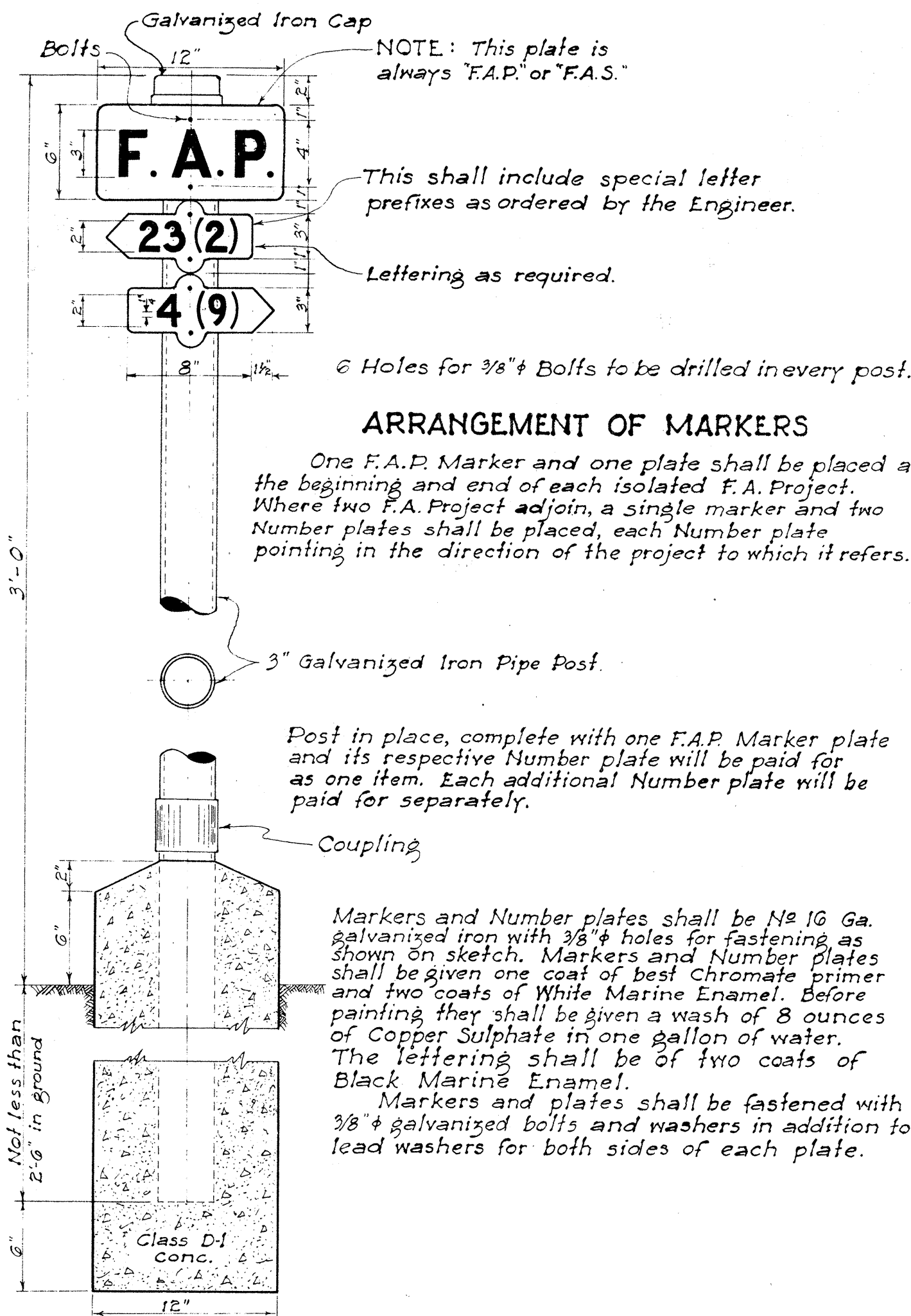
Cu. Yds.	Cu. Yds.	D	H	B	L	Cx. one H.W.
0.85	0.95	18"	3'-6"	1'-0"	6'-0"	0.23
1.23	1.45	24"	4'-0"	2'-0"	7'-6"	1.41
1.83	2.06	30"	4'-6"	2'-3"	9'-0"	2.00
2.40	2.84	36"	5'-0"	2'-6"	10'-6"	2.72

STANDARD MASONRY HEADWALL
Scale: 1/2" = 1'-0"

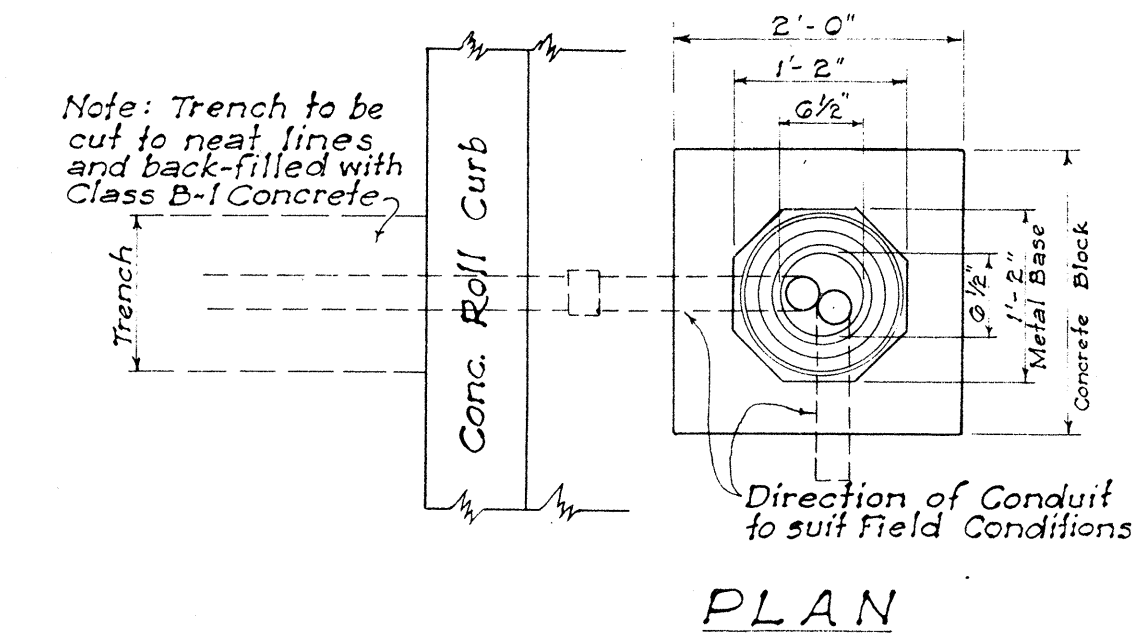
NOTE: Volume for one head wall is for corrugated pipe culvert.



DATE: _____
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____



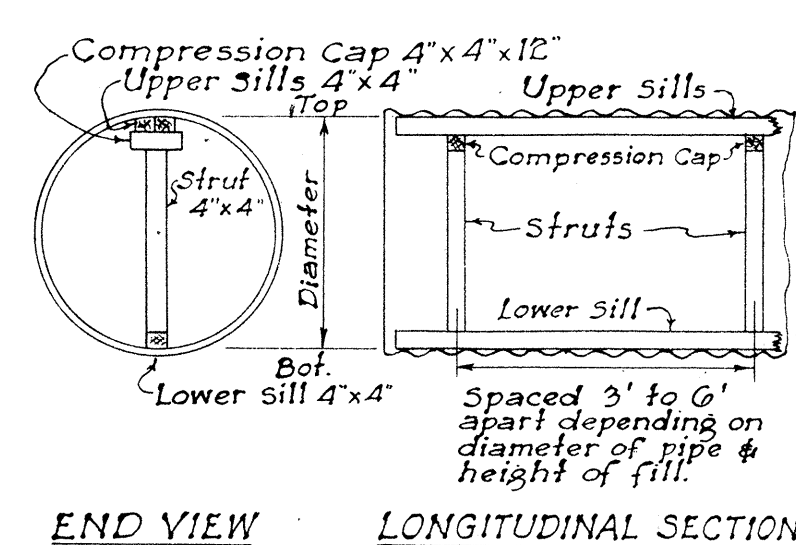
FEDERAL AID MARKER
 Scale: 1 1/2" = 1'-0"



SECTION

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

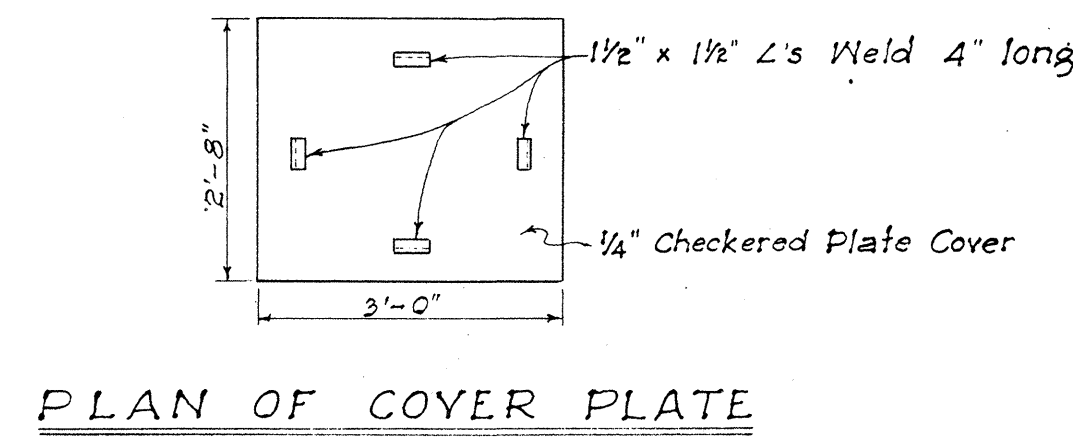
DETAIL OF BASE FOR TRAFFIC STANDARD AND DISPATCHER PEDESTAL



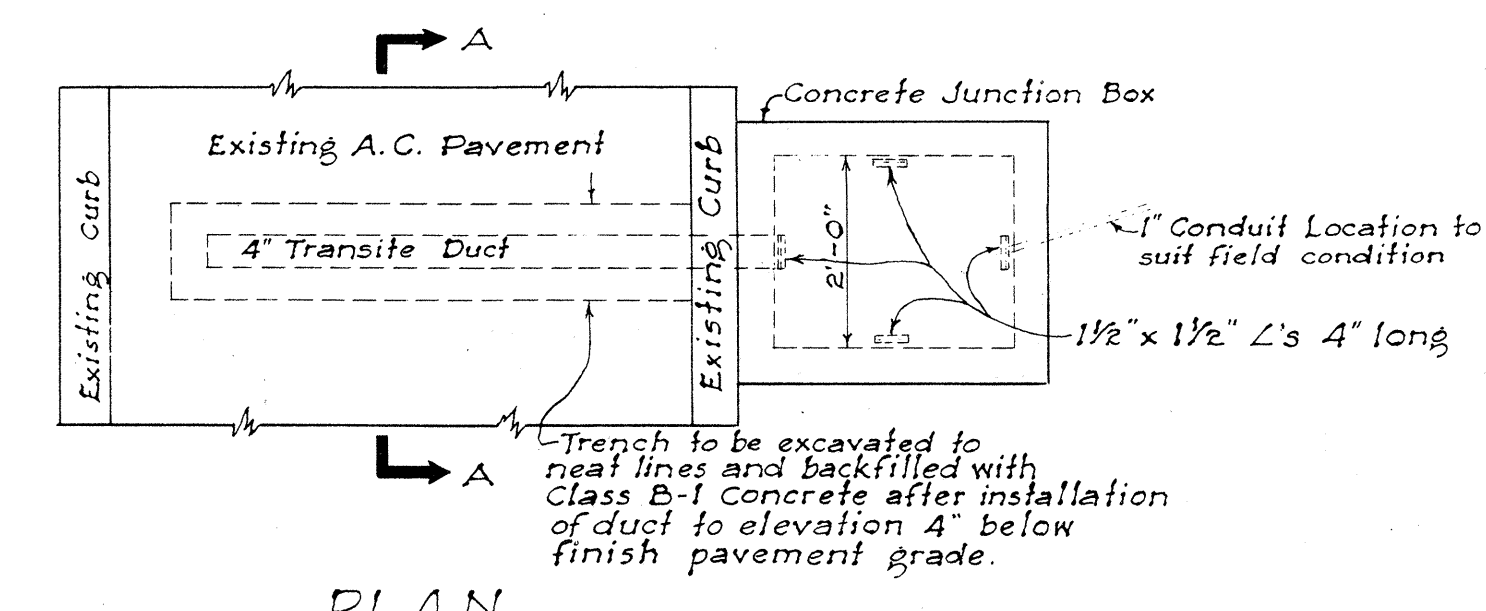
STRUTTING DIAGRAM & TABLE FOR CORRUGATED METAL PIPE CULVERT

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'
42	3 3/8	—	—	—	6	4
54	4 3/4	6	6	6	6	4
60	5 1	6	6	6	6	4
66	5 7/4	6	6	6	6	4
72	6 3 3/8	6	6	6	5	3.5
78	6 7/8	6	6	6	4.5	3.5
84	7 6/4	6	6	6	4	3

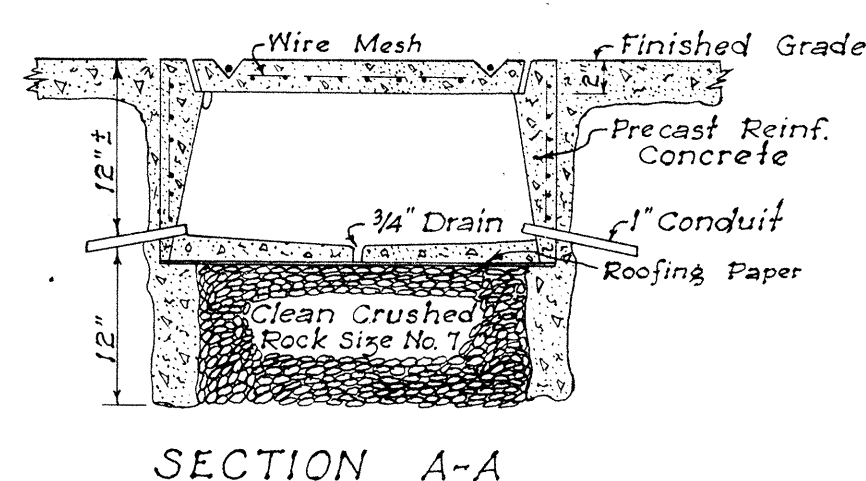
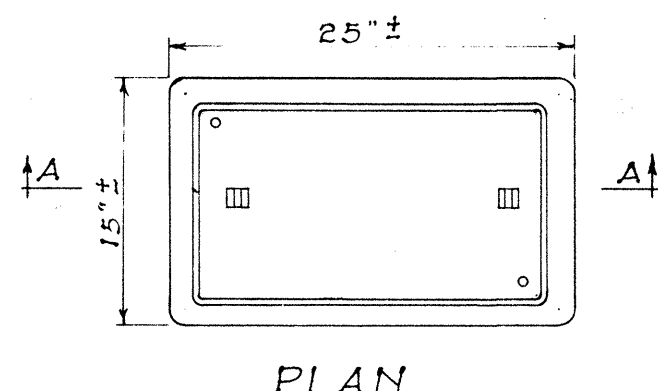
NOTE: Length of struts are based on 4"x4" timbers which is the minimum size recommended. If larger sills or compression caps are used, length of struts should be changed accordingly.



SECTION "A-A"

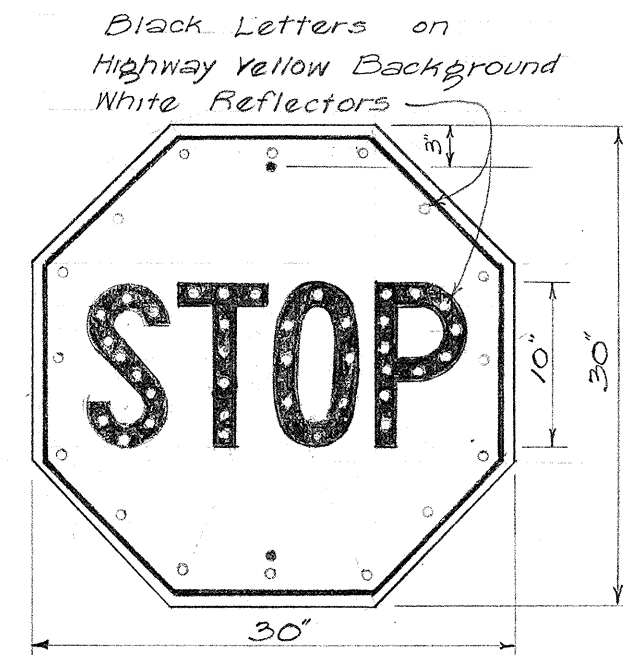


TYPICAL ROAD SECTION SHOWING TRAFFIC DETECTOR JUNCTION BOX AND DUCT

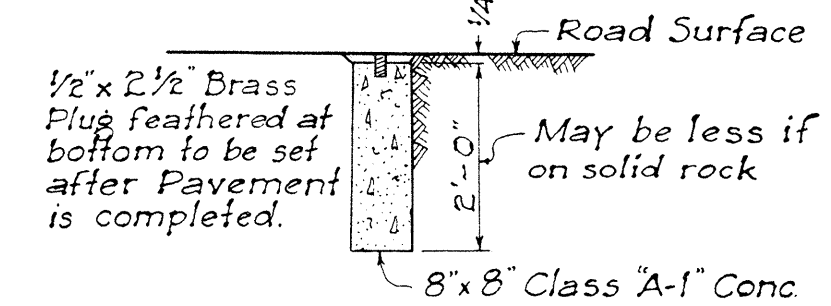


DETAIL OF PULL BOX
 Scale: 1" = 1'-0"

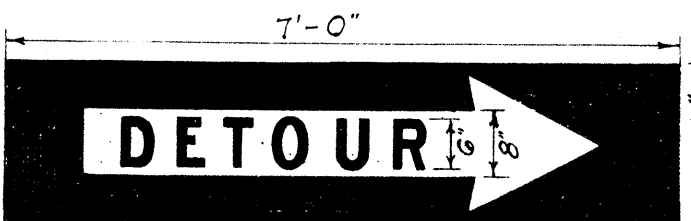
REGULATORY SIGN R-1
 Scale: 1" = 1'-0"



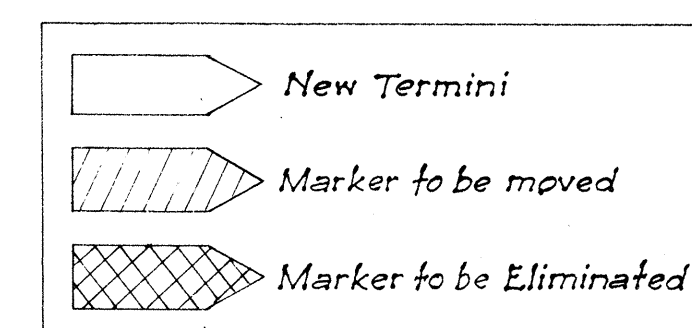
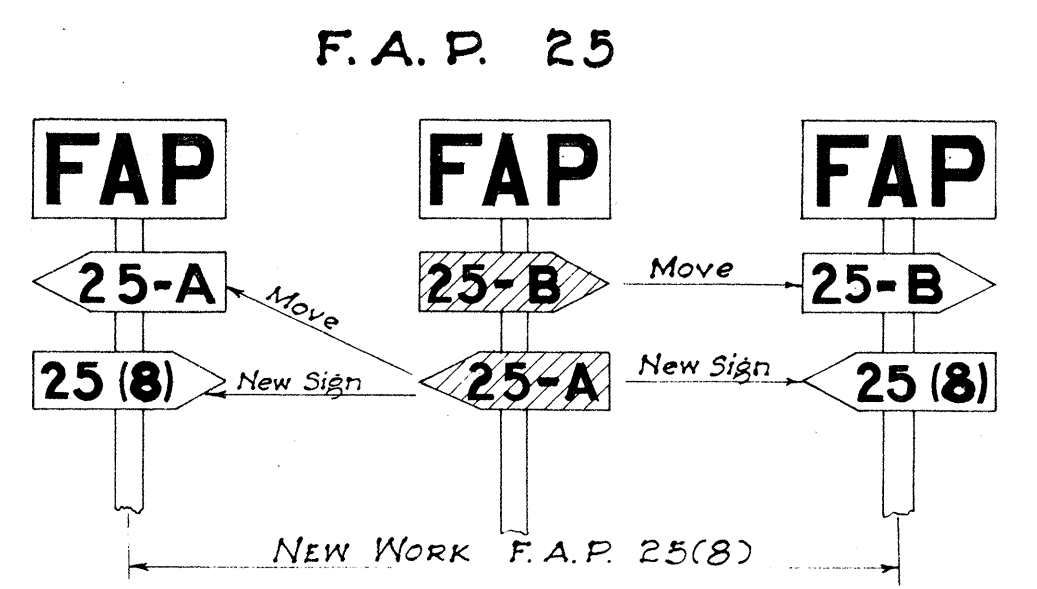
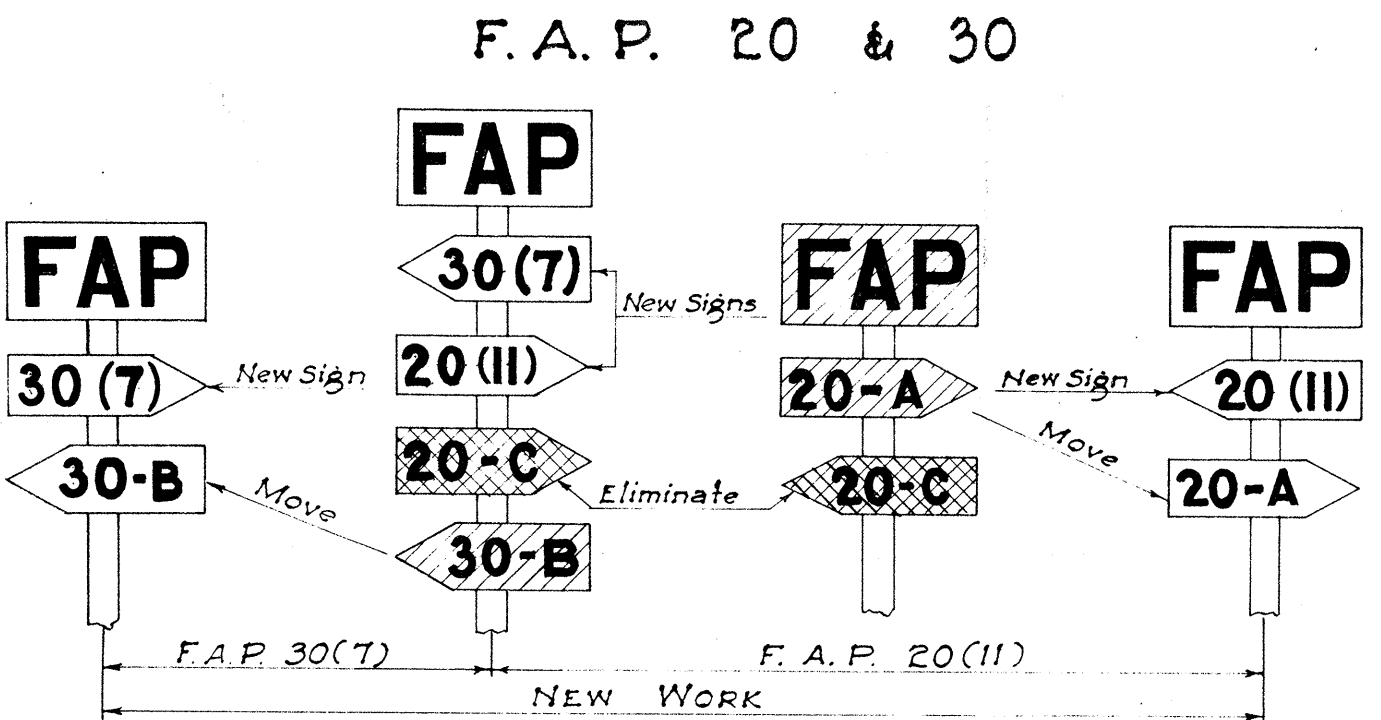
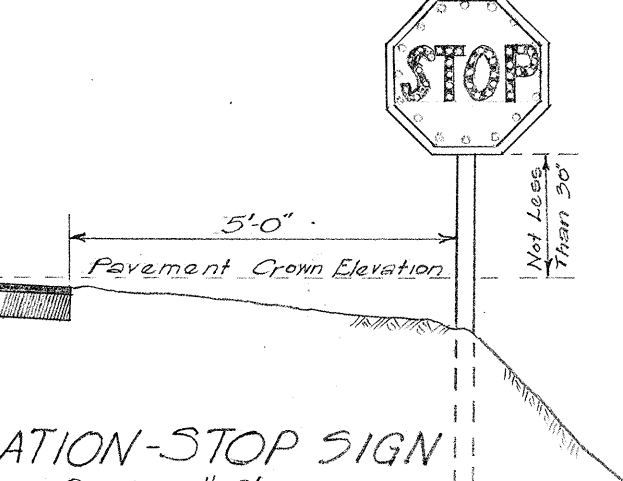
CENTER LINE MONUMENT
 Scale: 1/2" = 1'-0"



STANDARD DETOUR SIGN



LOCATION-STOP SIGN
 Scale: 1" = 3'



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.

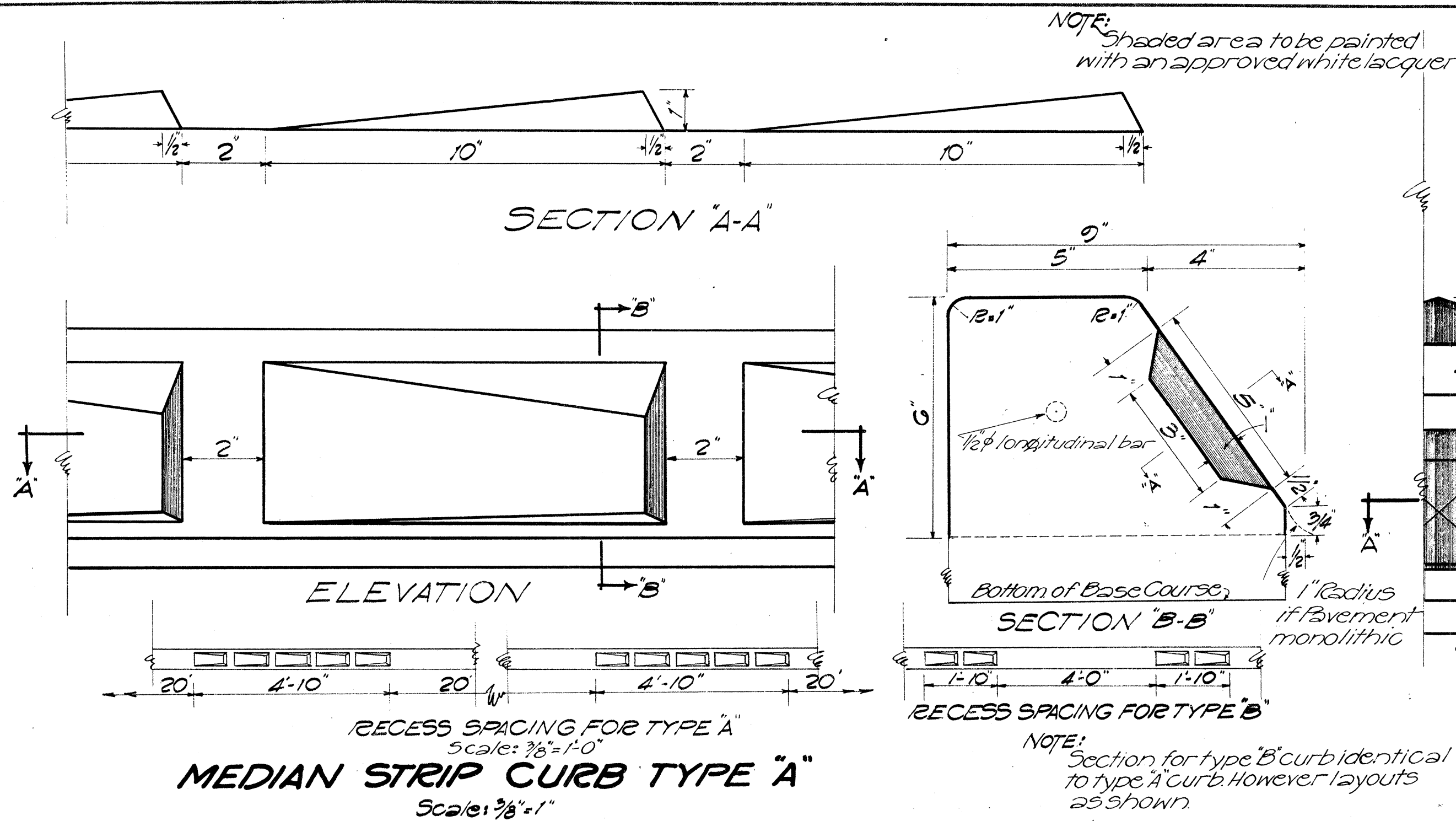
METHOD OF MARKING F.A. PROJECTS AT OVERLAPS (USING NUMBER SUFFIX ON NEW WORK)

All letters and figures shall be of size and design shown and shall conform with "Standard Alphabets for Highway Signs" as set forth by the Public Roads Administration, Federal Works Agency. Series "C" Letters and Series "D" numerals shall be used except where noted.

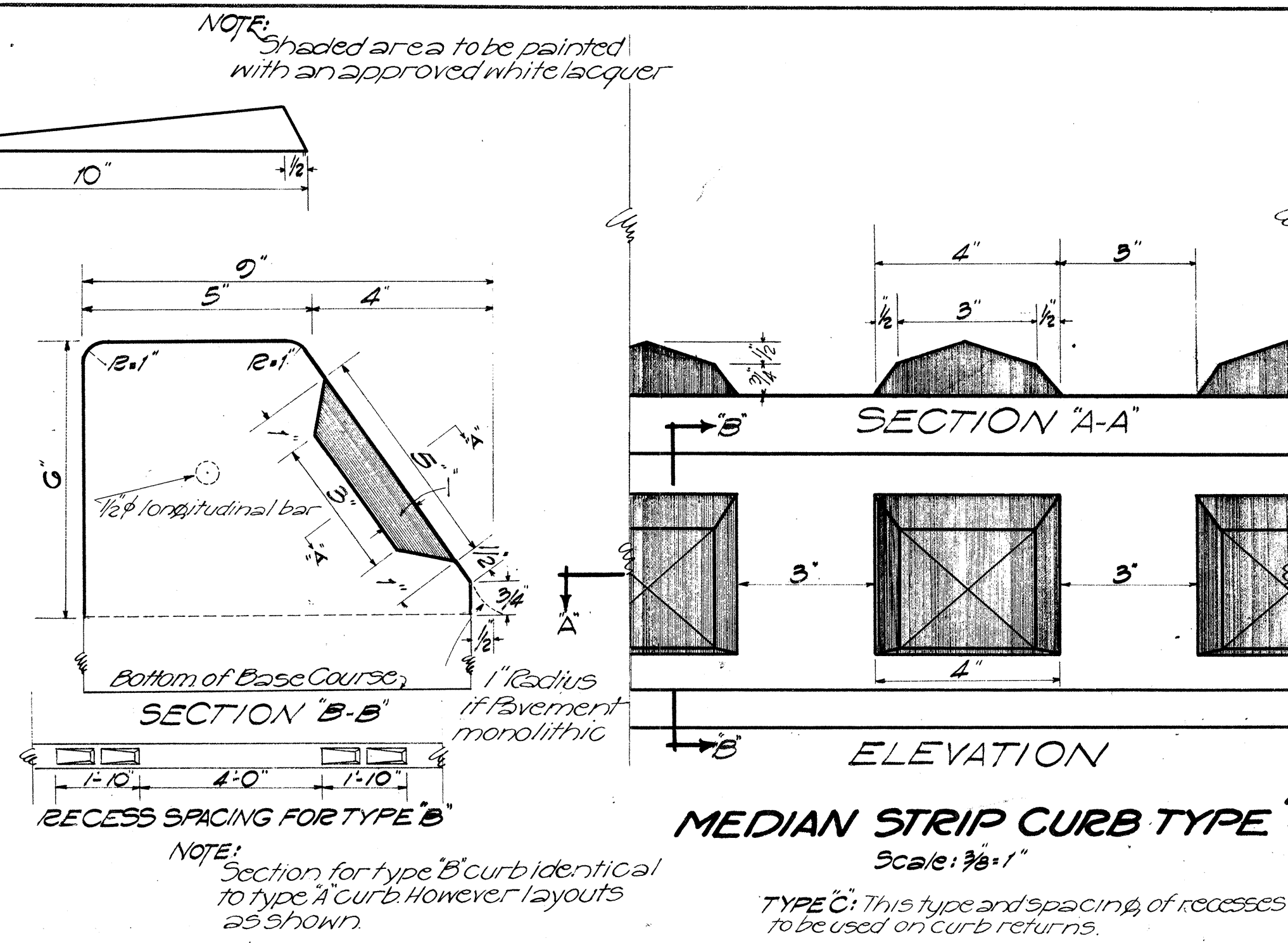
All Sign Posts shall be 3" Galv. Iron Pipe. Two (2) 1/4" x 1/2" bolt holes drilled at location shown. Two (2) 3/8" x 1/2" bolts with leather washers against face and back of metal sign.

See Specification for Materials and Finish.

TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
STANDARD DETAILS
 SCALES AS NOTED May 31, 1949
 APPROVED: *[Signature]*
 Territorial Highway Engineer

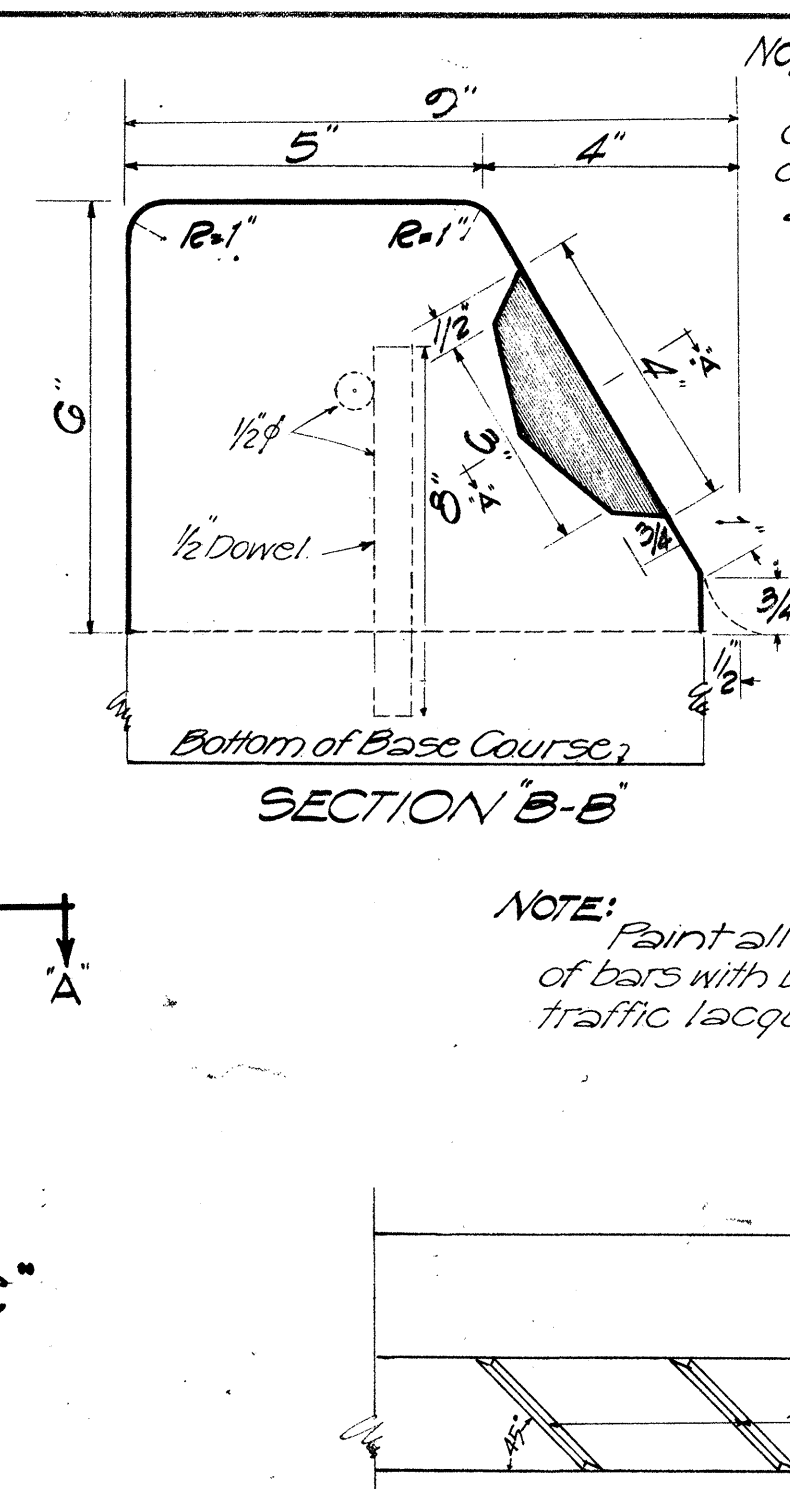


TYPE A: This type and spacing of recesses to be used where medians are curbed continuously.

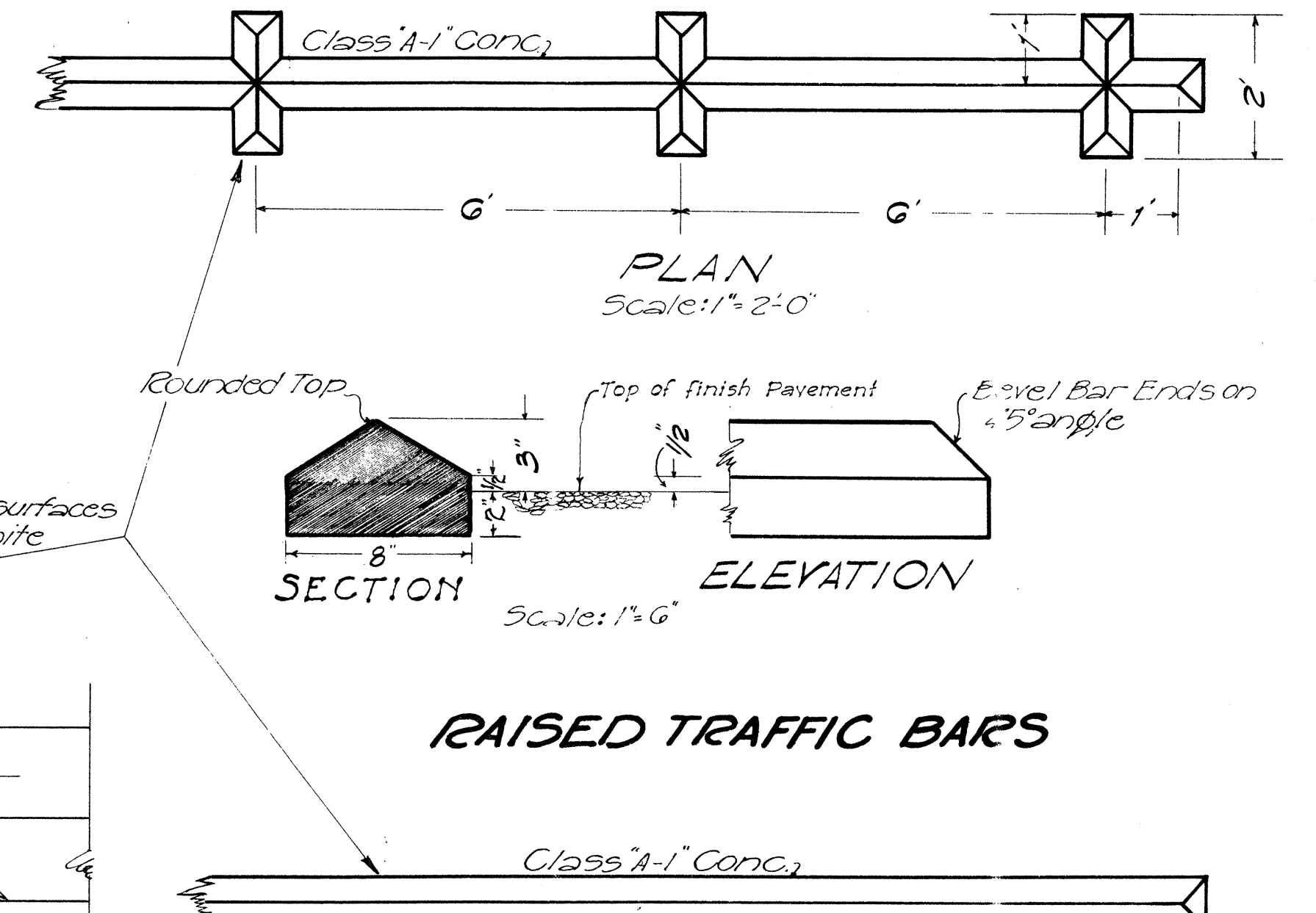
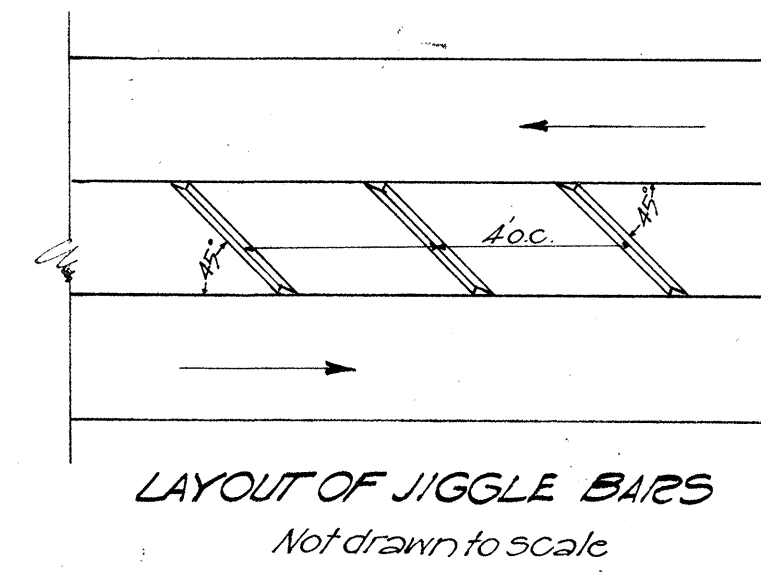


TYPE B: This type and spacing of recesses to be used on islands at intersections.

NOTE: TYPE C: This type and spacing of recesses to be used on curb returns.



NOTE: Paint all exposed surfaces of bars with beaded white traffic lacquer.

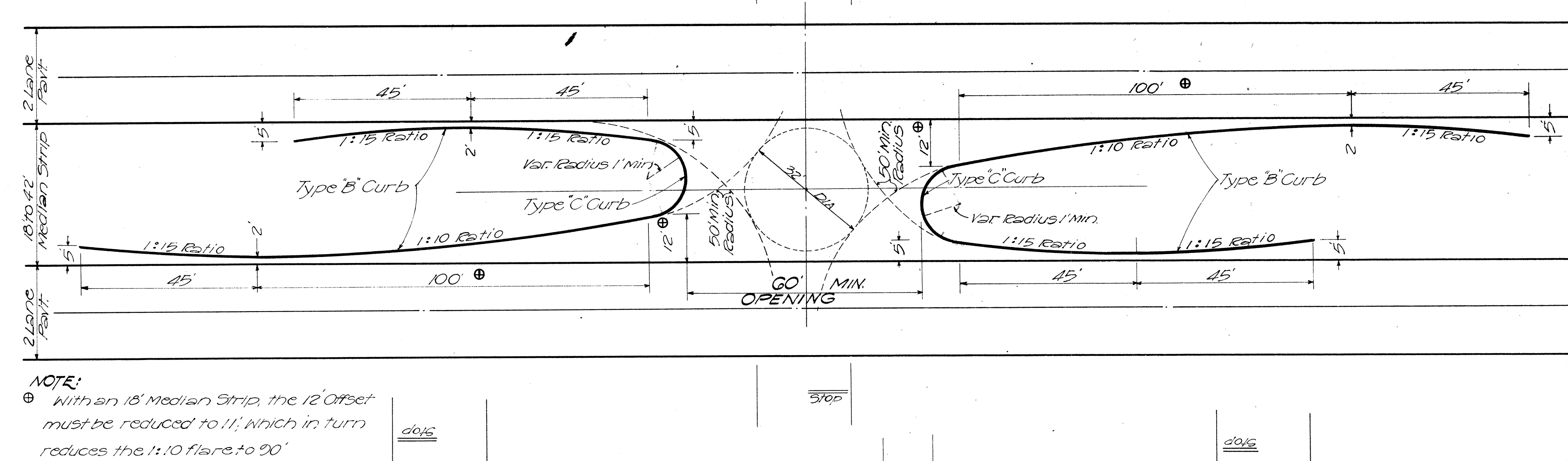


RAISED TRAFFIC BARS

PLAN
Scale: 1" = 2'-0"

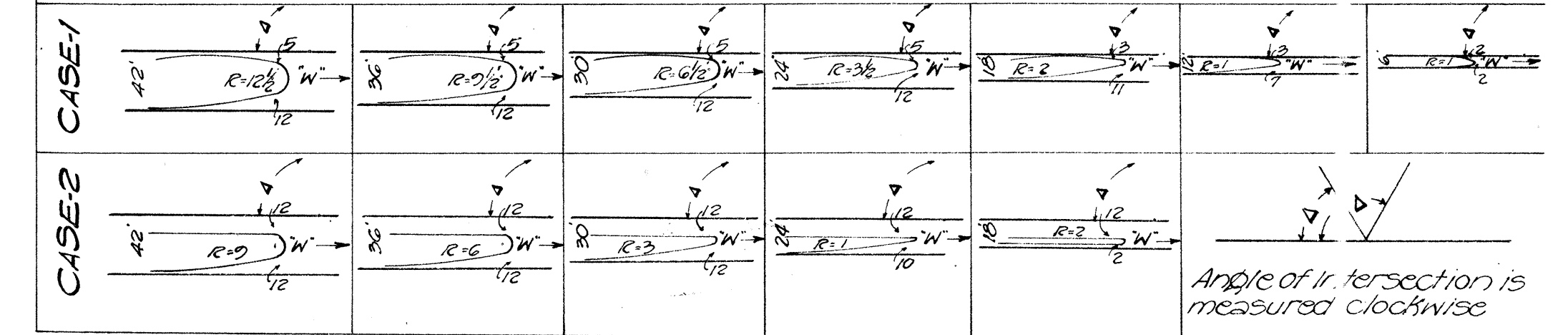
RAISED JIGGLE BARS

NOTE: Section and Elevation for JIGGLE BARS same as the TRAFFIC BARS



Angle of Inters.	WIDTH OF MEDIAN STRIP											
	42'	36'	30'	24'	18'	12'	6'	42'	36'	30'	24'	18'
60°	54	58	62	66	70	74	78	82	86	90	94	98
65°	48	52	56	60	64	68	72	76	80	84	88	92
70°	42	46	50	54	58	62	66	70	74	78	82	86
75°	36	40	44	48	52	56	60	64	68	72	76	80
80°	30	34	38	42	46	50	54	58	62	66	70	74
85°	24	28	32	36	40	44	48	52	56	60	64	68
90°	18	22	26	30	34	38	42	46	50	54	58	62
95°	12	16	20	24	28	32	36	40	44	48	52	56
100°	6	10	14	18	22	26	30	34	38	42	46	50
105°	3	7	11	15	19	23	27	31	35	39	43	47
110°	2	6	10	14	18	22	26	30	34	38	42	46
115°	1	5	9	13	17	21	25	29	33	37	41	45
120°	1	4	8	12	16	20	24	28	32	36	40	44

"W" = Distance in feet from Island Nose to Centerline of Intersection



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STANDARD DETAILS

Scale as shown

APPROVED

Date 9-2-49
Territorial Highway Engineer

SHEET No 4 OF 4 SHEETS

5442.11

DATE
DESIGNED BY
DRAWN BY
CHECKED BY
NOTE BOOK
No.