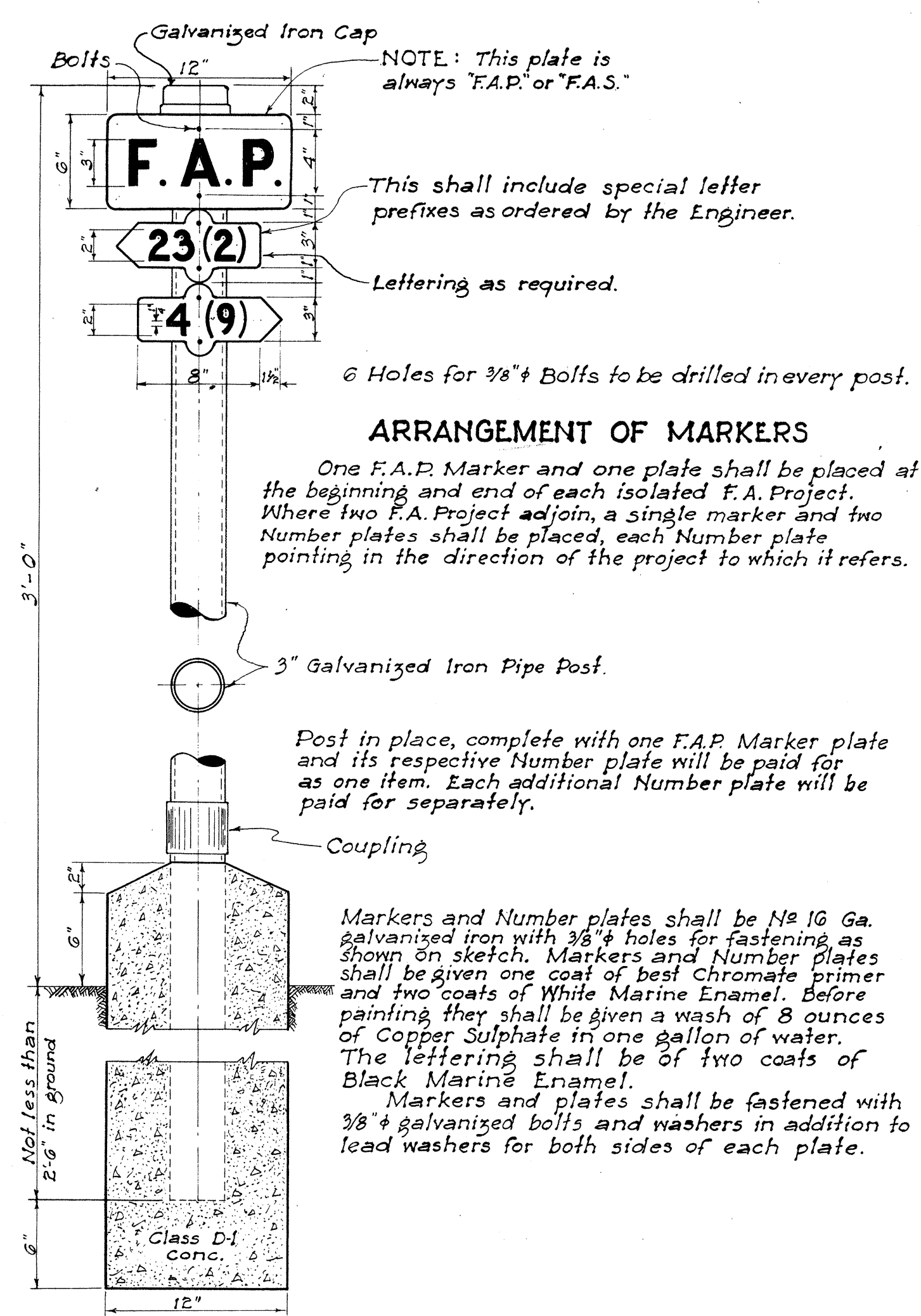
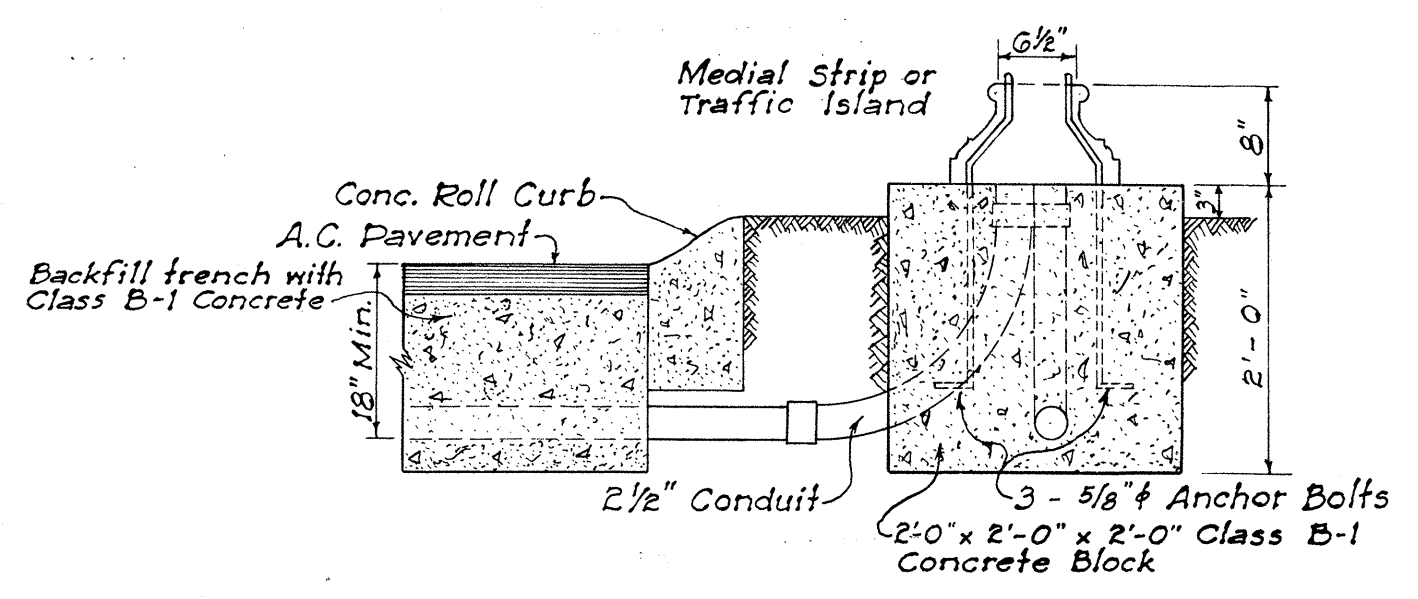
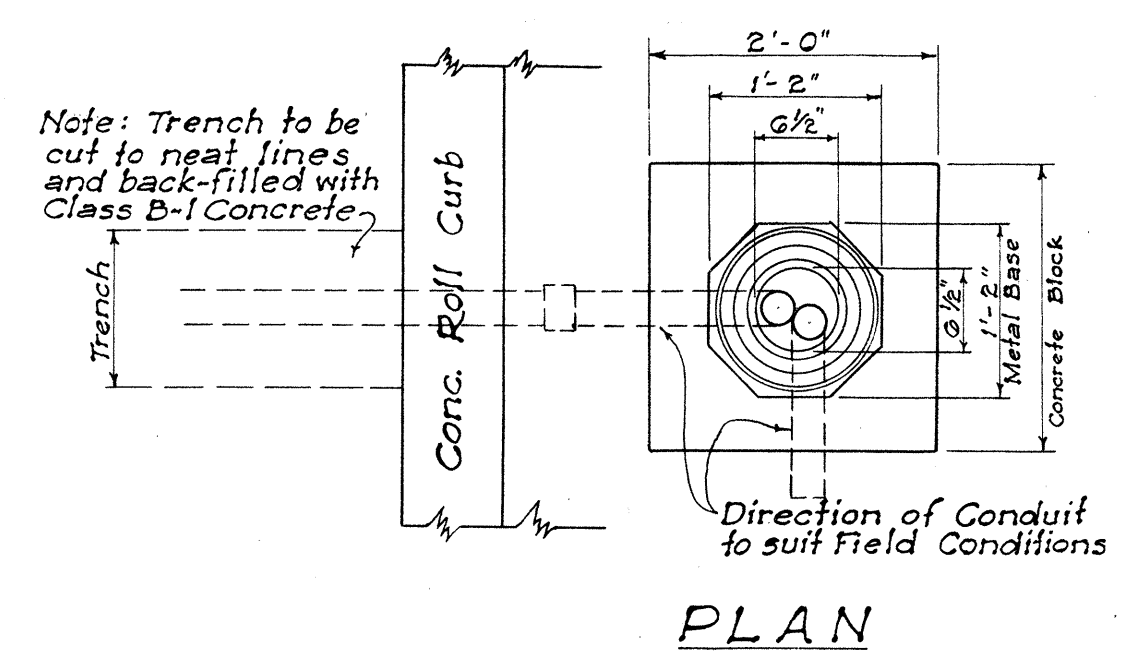
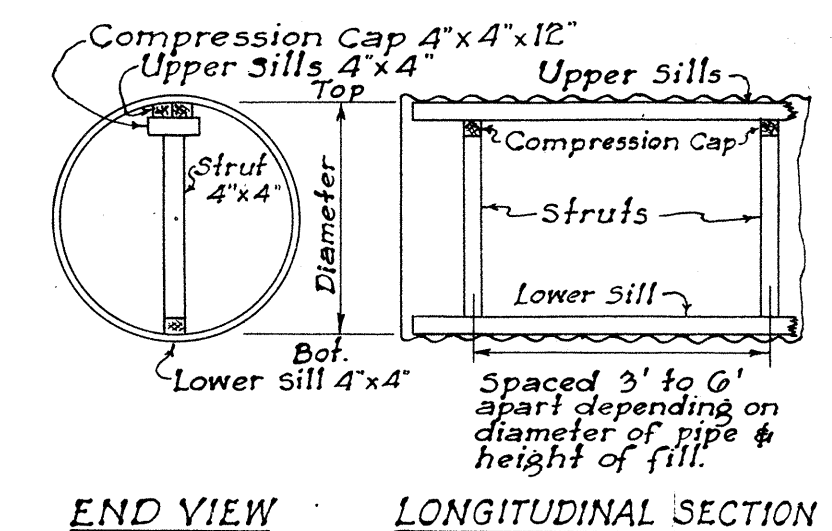




FEDERAL AID MARKER
Scale: 1 1/2" = 1'-0"



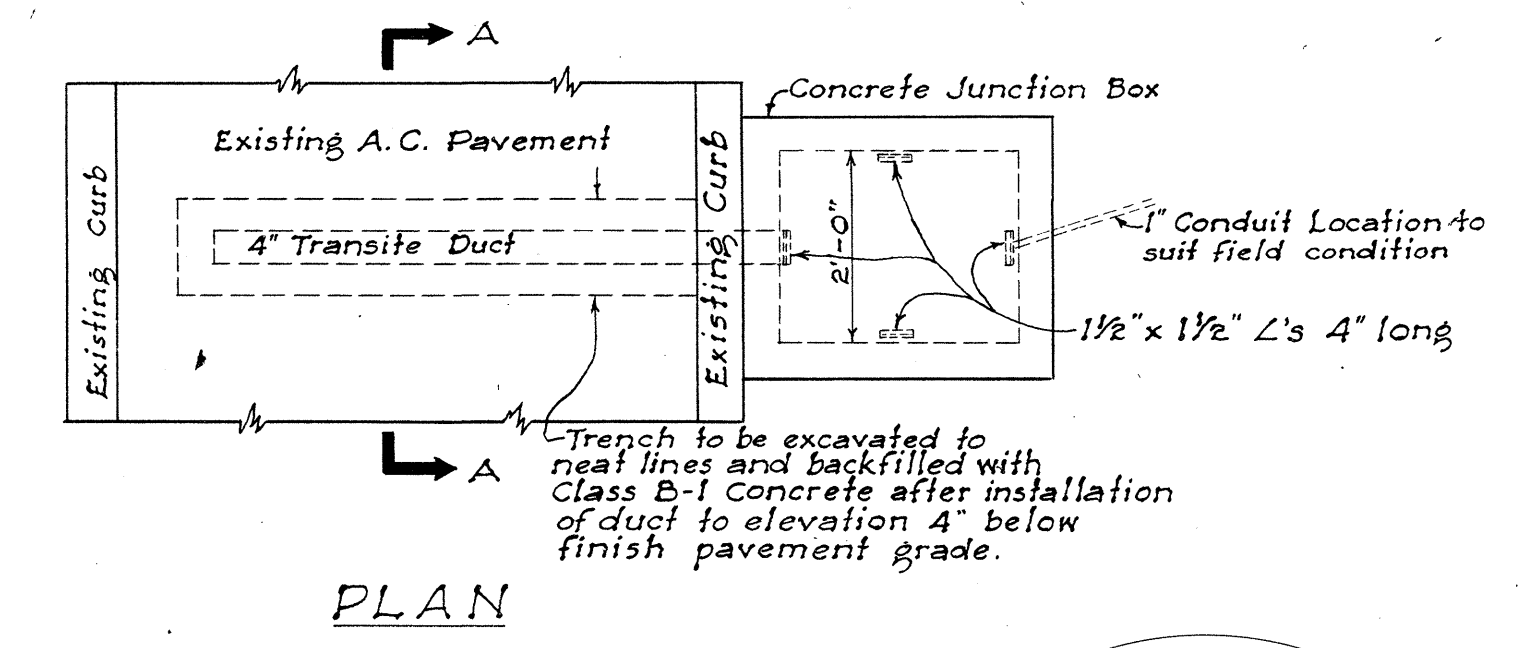
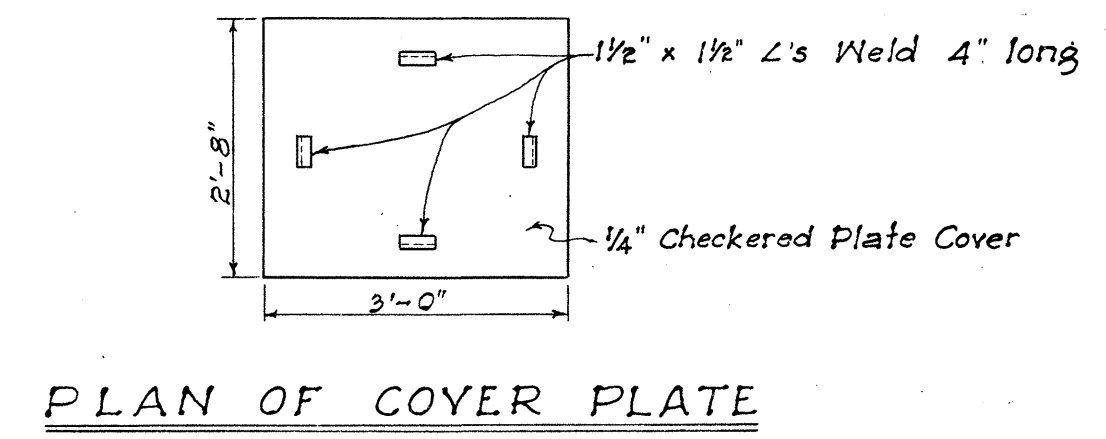
DETAIL OF BASE FOR TRAFFIC STANDARD AND DISPATCHER PEDESTAL



STRUTTING DIAGRAM & TABLE FOR CORRUGATED METAL PIPE CULVERT

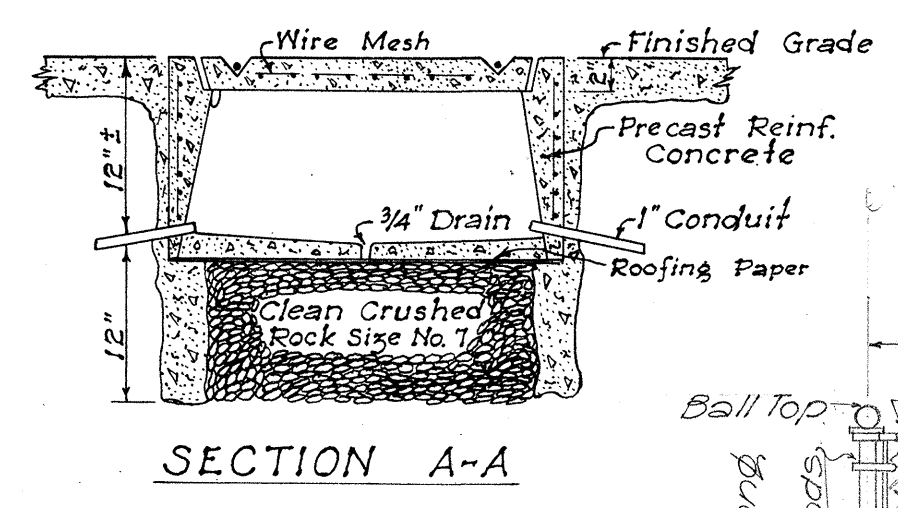
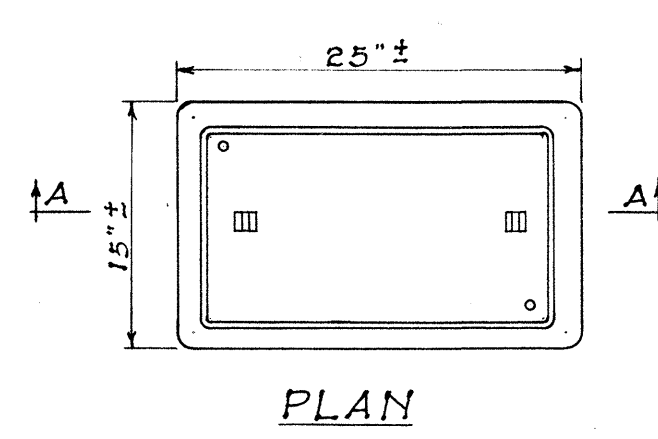
Diameter of Pipe in inches	Length of Struts in inches	Spacing of Struts in ft. for Various Heights				
		FILL 1' to 5'	FILL 5' to 10'	FILL 10' to 20'	FILL 20' to 30'	FILL Over 30'
48	3 B 3/8	—	—	—	6	4
54	4 A 3/4	6	6	6	6	4
60	5 1	6	6	6	6	4
66	5 T 1/4	6	6	6	6	4
72	6 3 3/8	6	6	6	5	3.5
78	6 0 1/8	6	6	6	4.5	3.5
84	7 0 1/4	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.

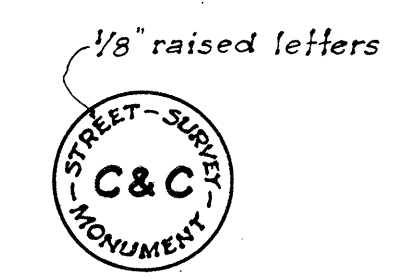


SECTION "A-A"

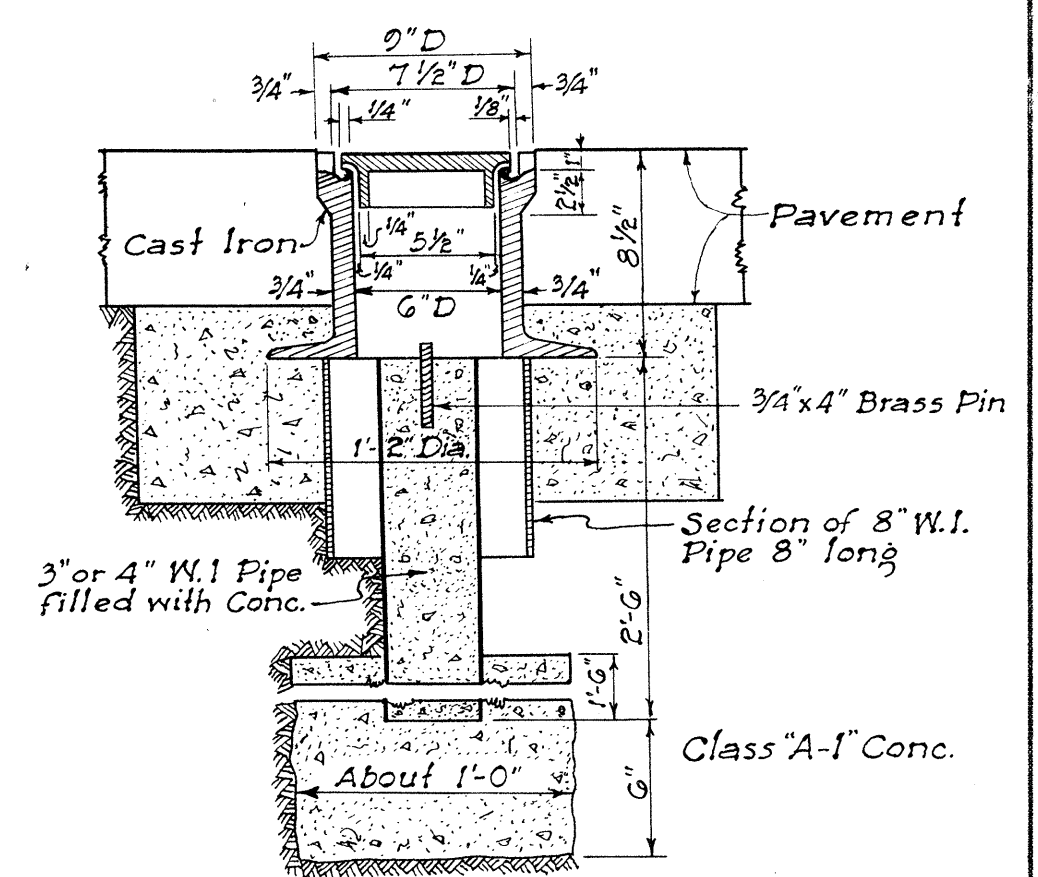
TYPICAL ROAD SECTION SHOWING TRAFFIC DETECTOR JUNCTION BOX AND DUCT



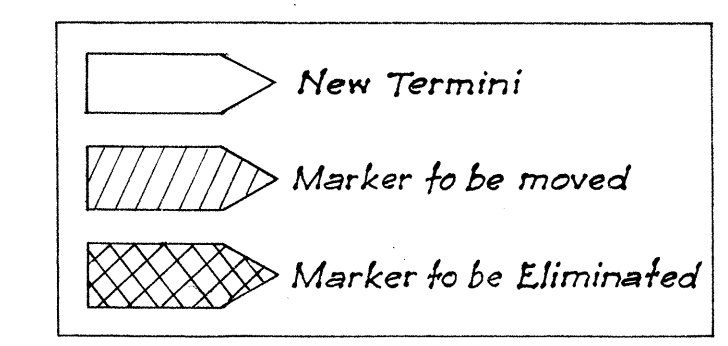
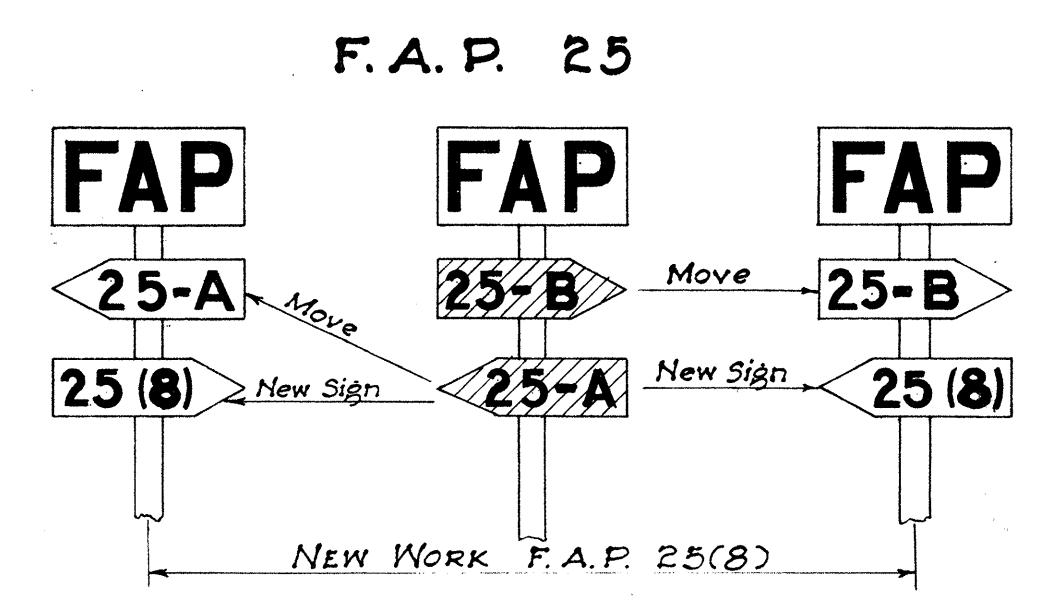
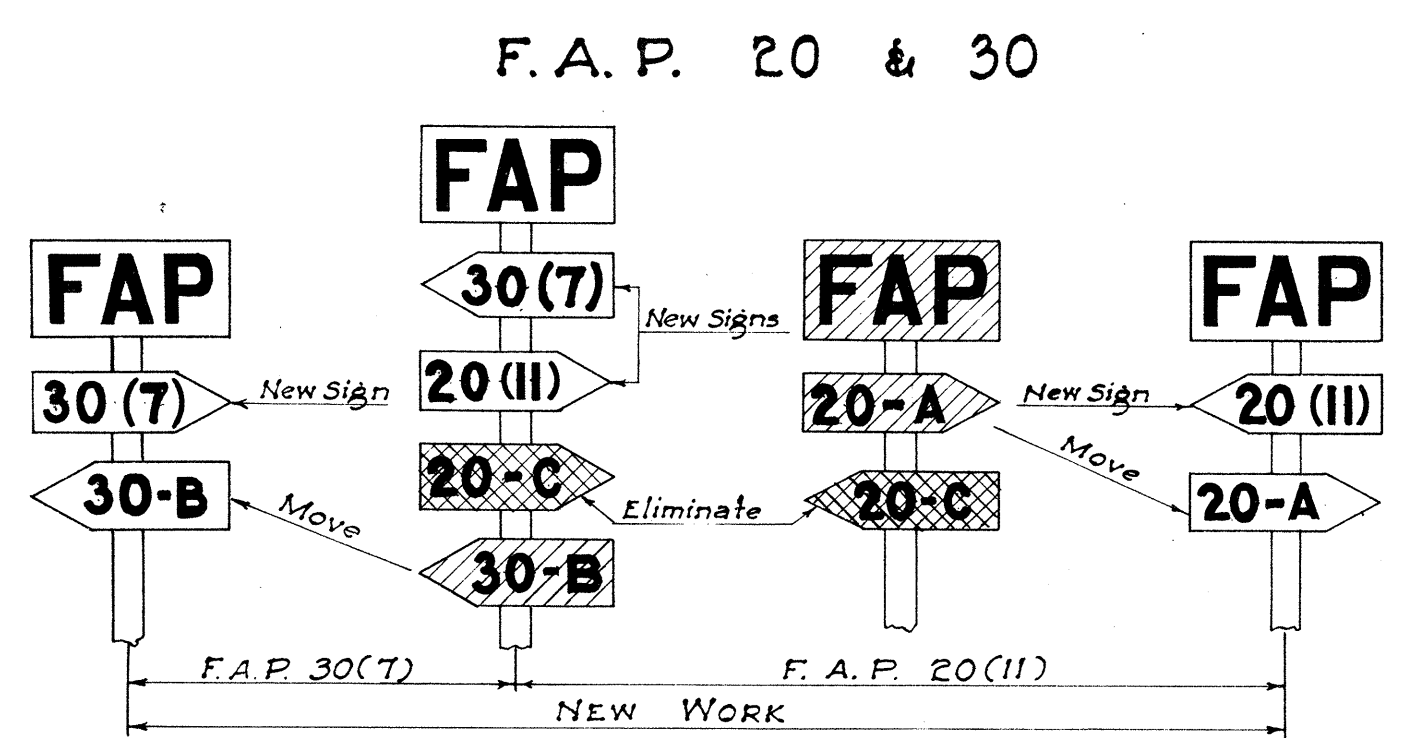
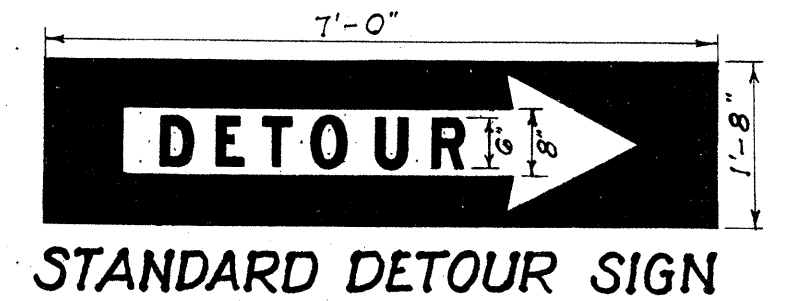
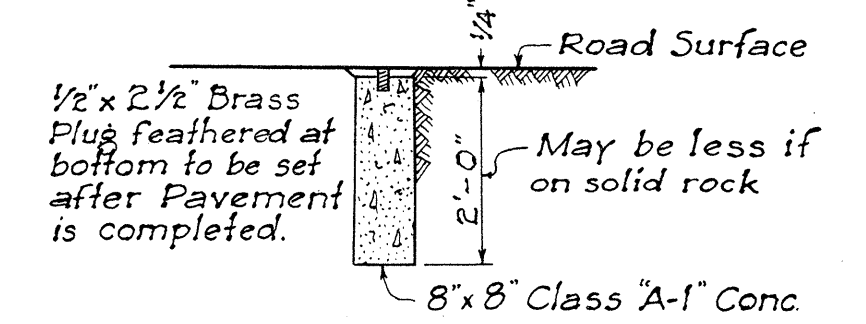
DETAIL OF PULL BOX
Scale: 1" = 1'-0"



PLAN OF TOP

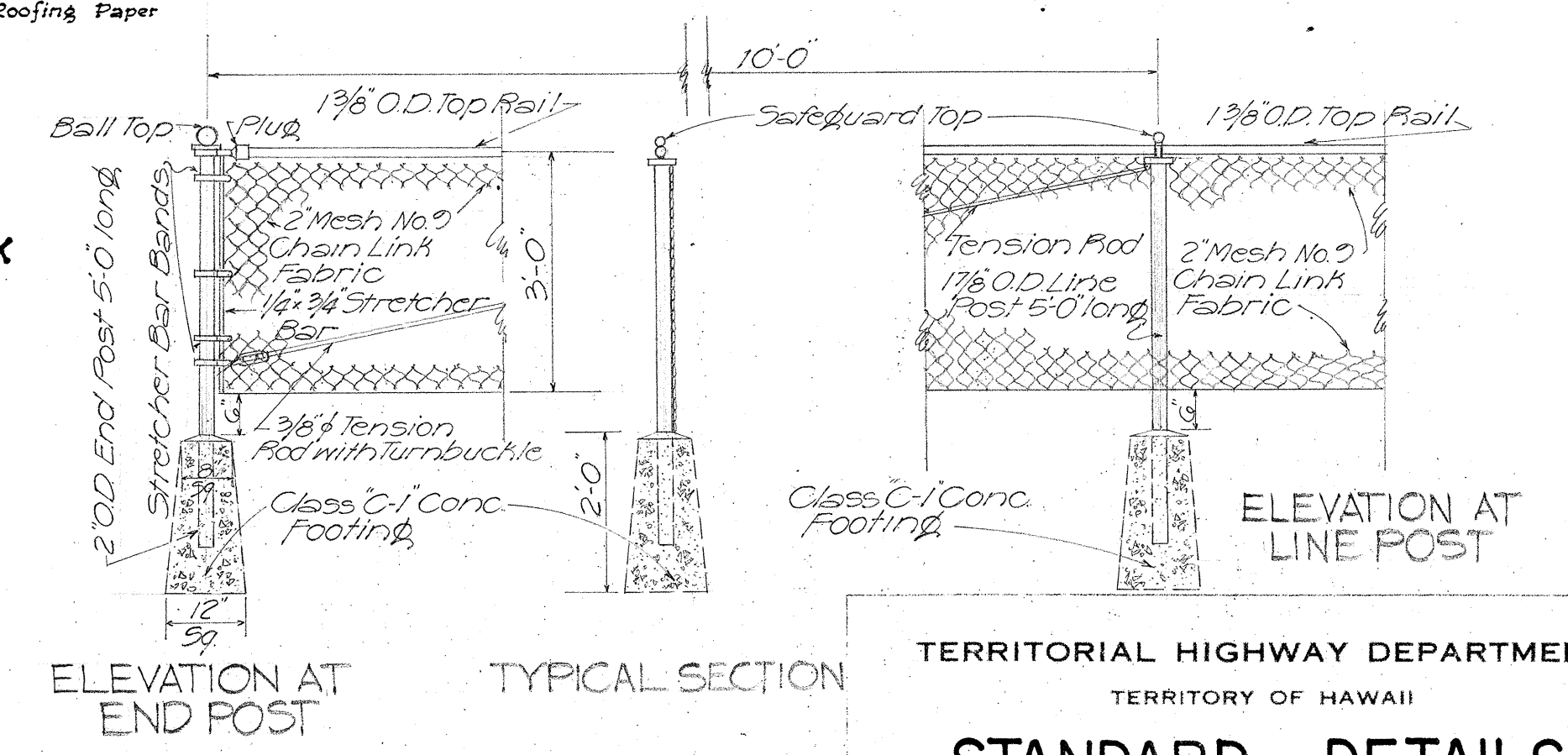


STANDARD C&C STREET SURVEY MONUMENT



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 CHAIN LINK FENCE
SCALE 1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

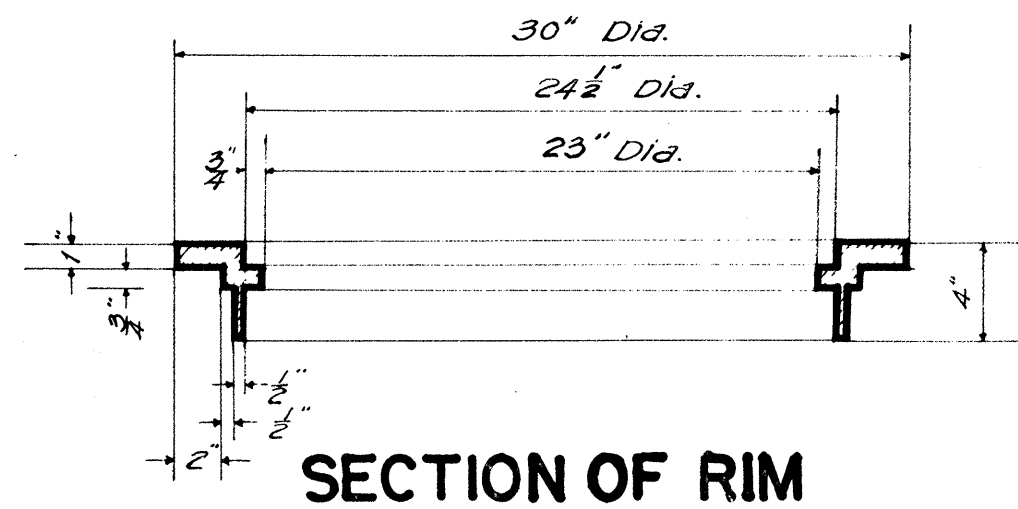
STANDARD DETAILS

SCALES: AS NOTED May 31, 1949

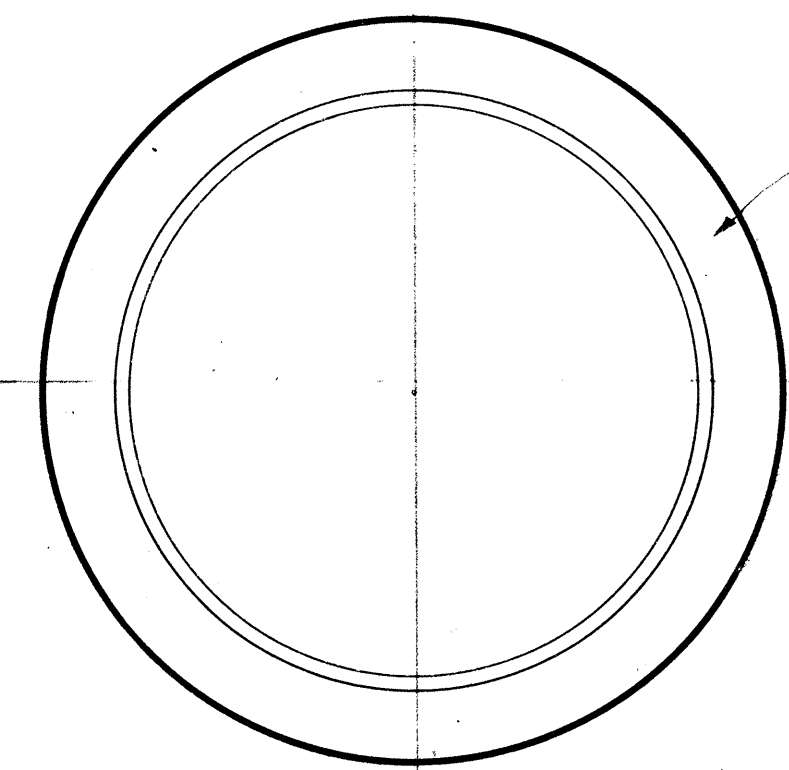
APPROVED: *[Signature]*
Territorial Highway Engineer



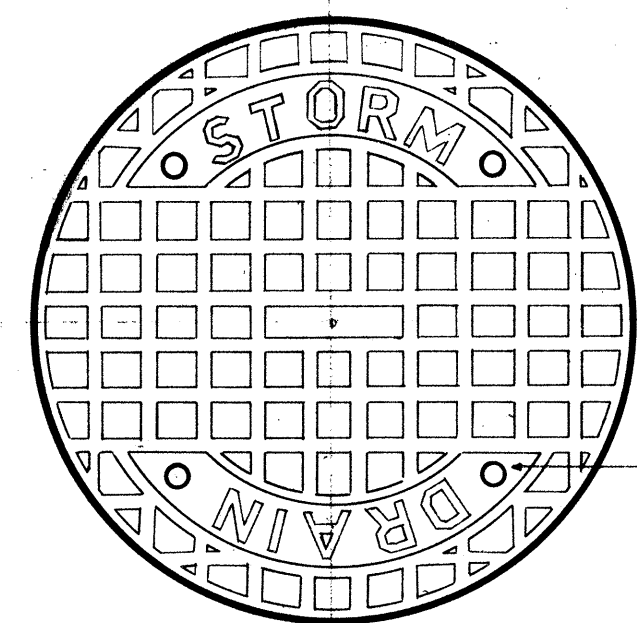
NOTE: The pattern for water manhole cover shall be the same as for sanitary sewer except that the word "Water" shall be substituted for Sanitary Sewer.



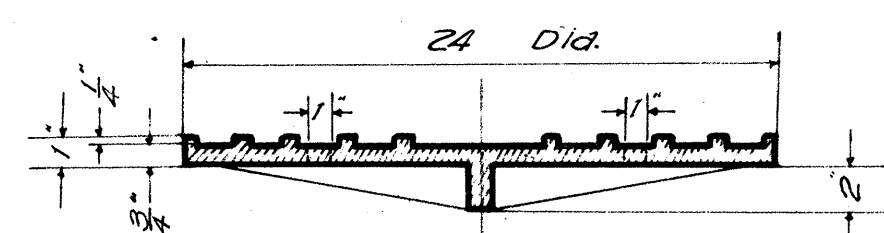
SECTION OF RIM



PLAN OF RIM

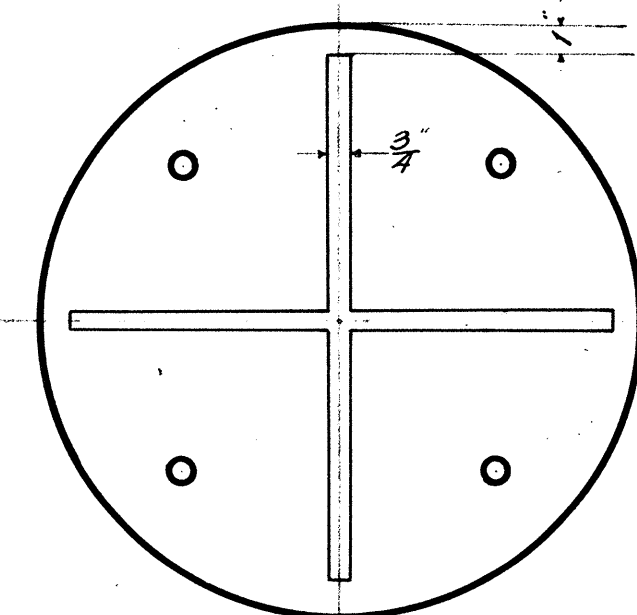


PLAN OF COVER TOP



SECTION OF COVER

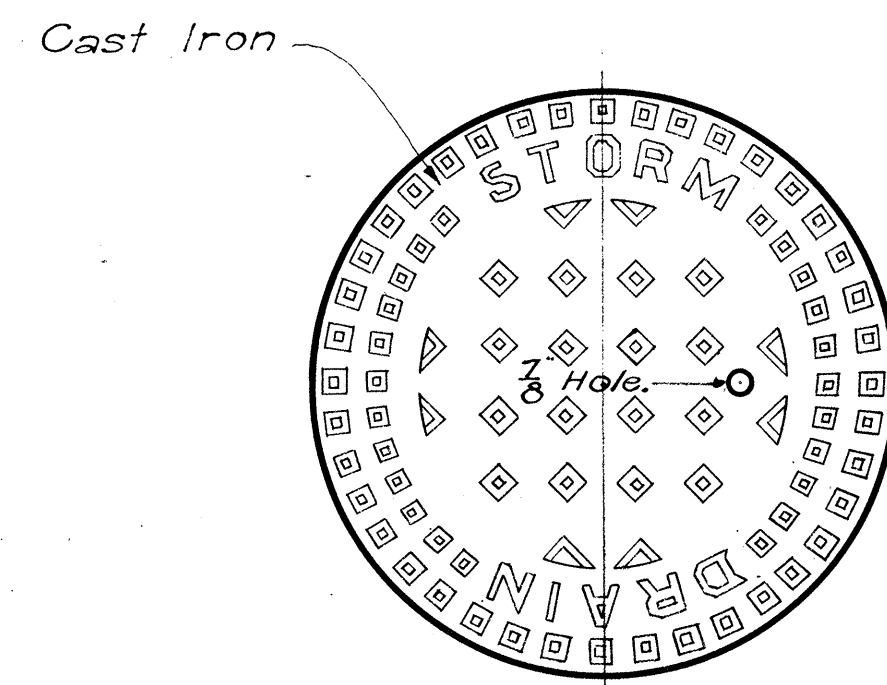
NOTE: A unit includes both Rim and Cover



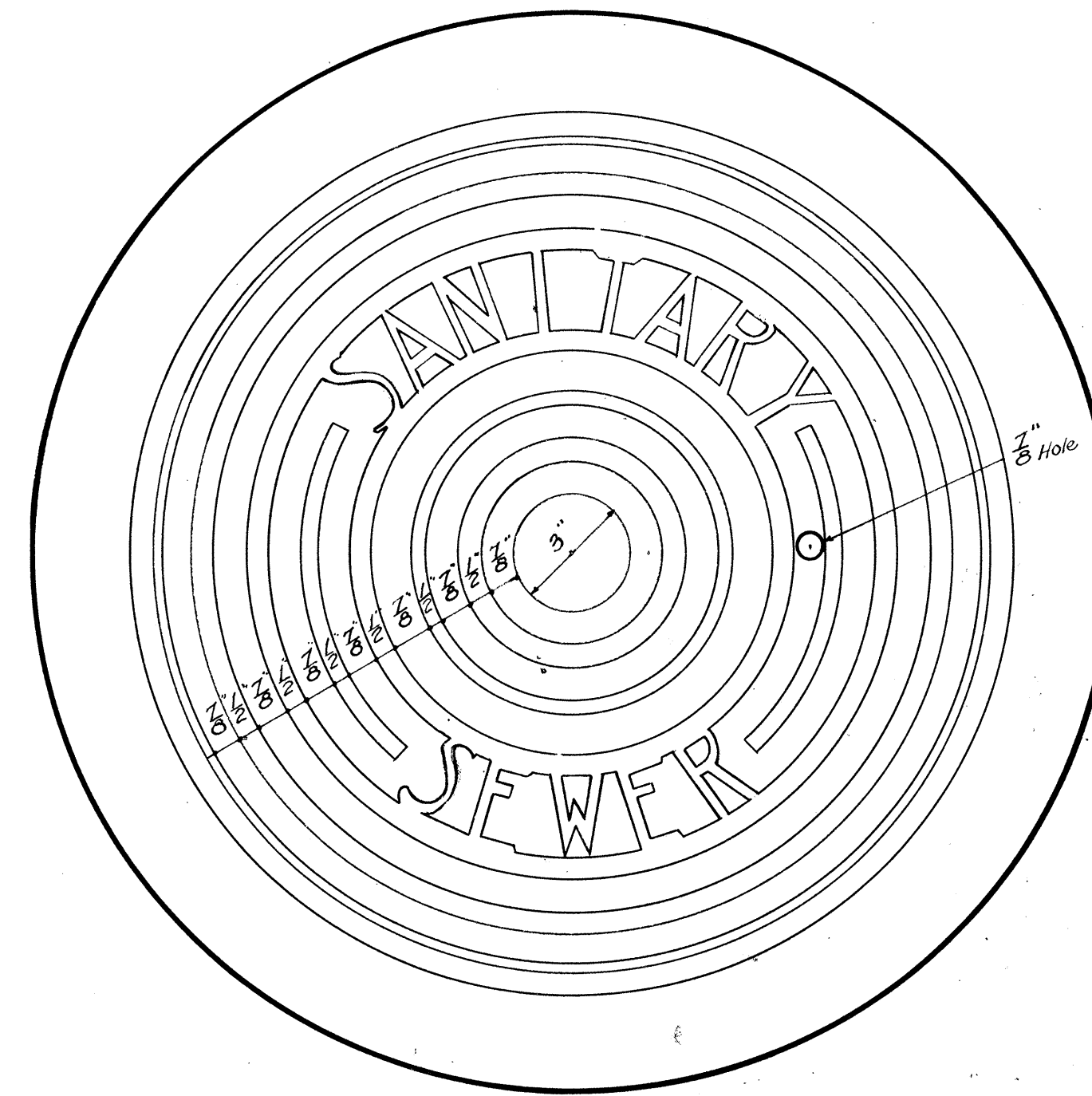
BOTTOM VIEW OF COVER

TYPE "B" STANDARD CATCH BASIN CASTINGS

Scale: 1-1/2" = 1'-0"

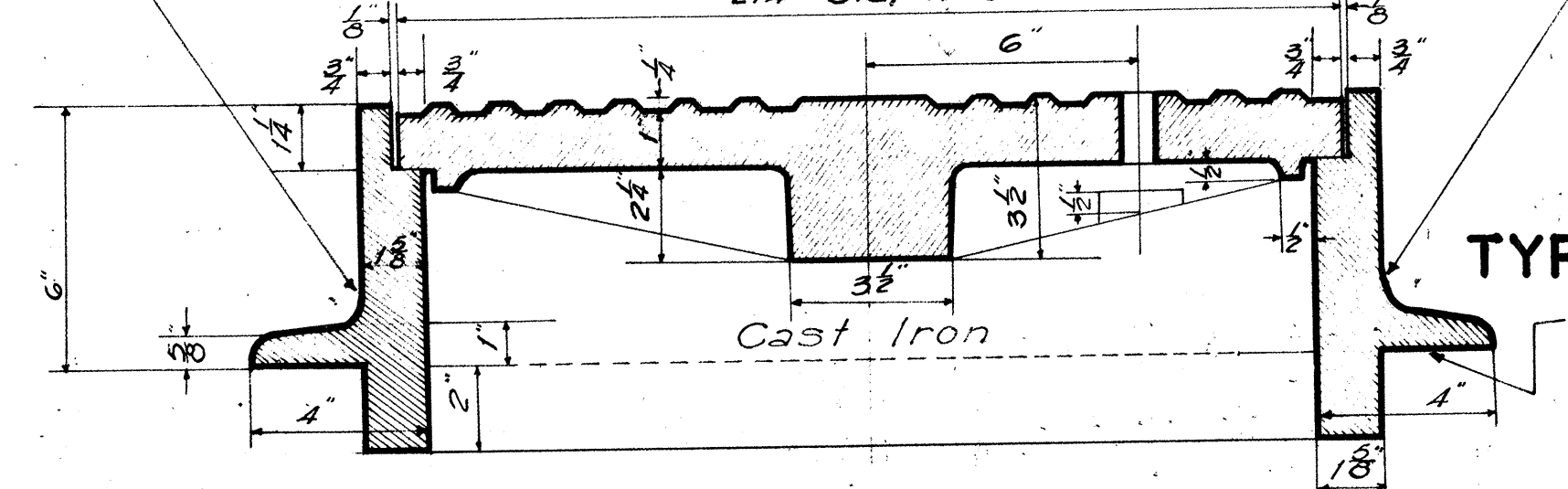


PATTERN FOR STORM DRAIN MANHOLE COVER



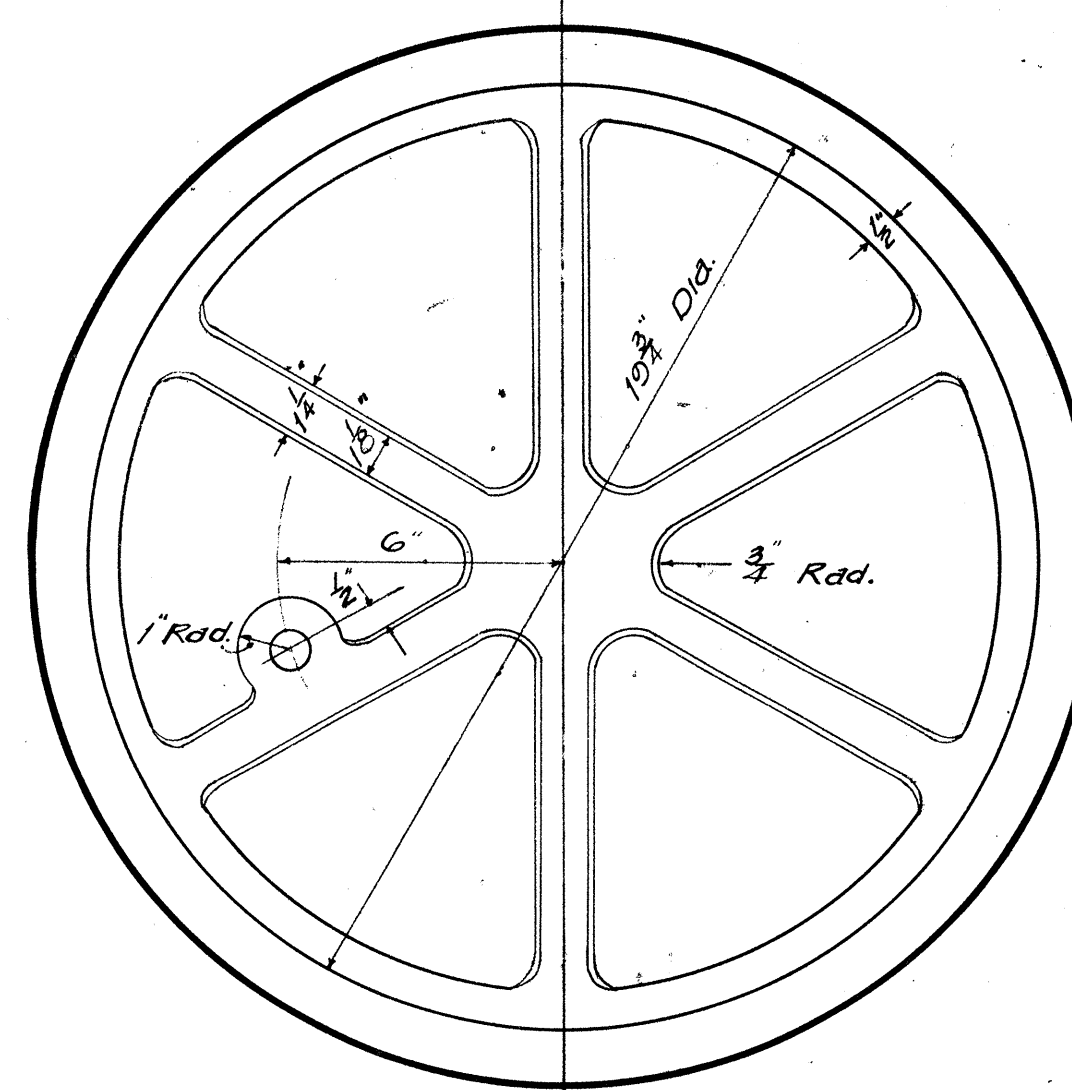
PATTERN FOR SEWER MANHOLE COVER

These sides tapered just enough to draw pattern from mould 2 1/2 Dia. of Cover



SECTION

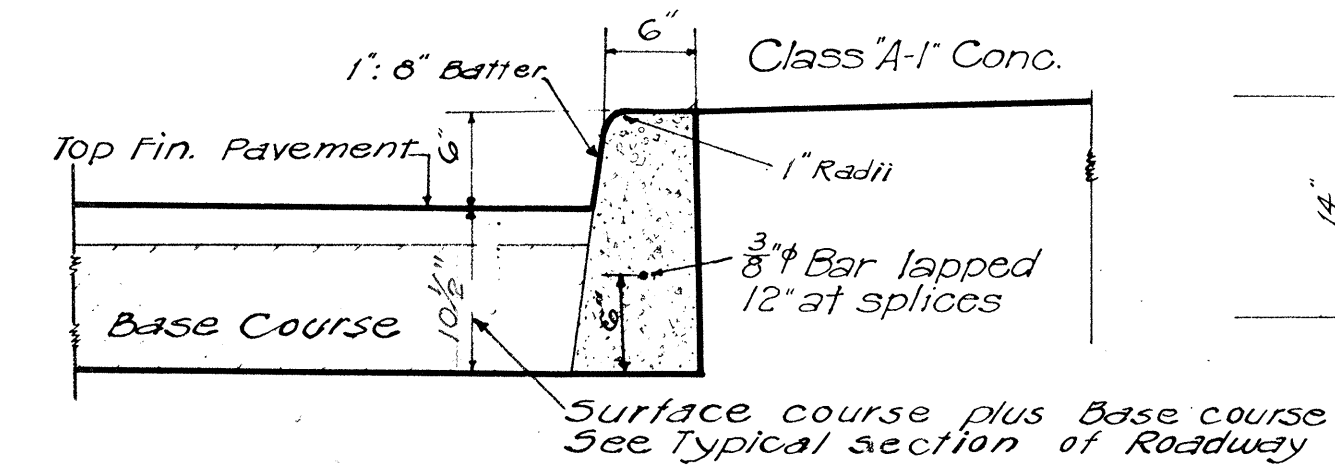
NOTE: A unit includes both Frame and Cover



BOTTOM VIEW OF COVER

TYPE "A" STANDARD MANHOLE CASTINGS

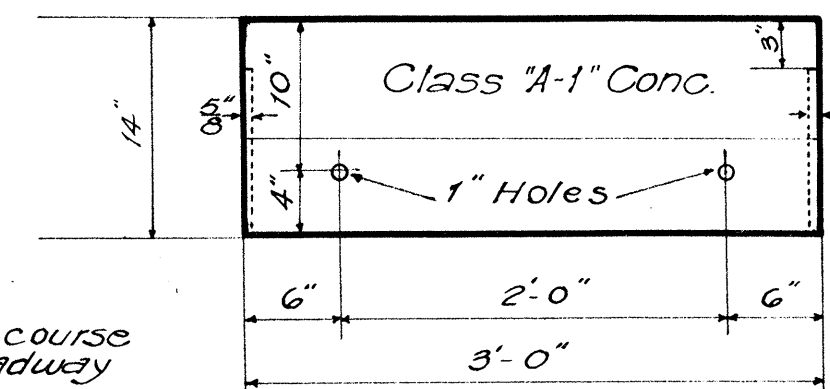
Scale: 3" = 1'-0"



SECTION

TYPE "E" CAST IN PLACE CONC. CURB

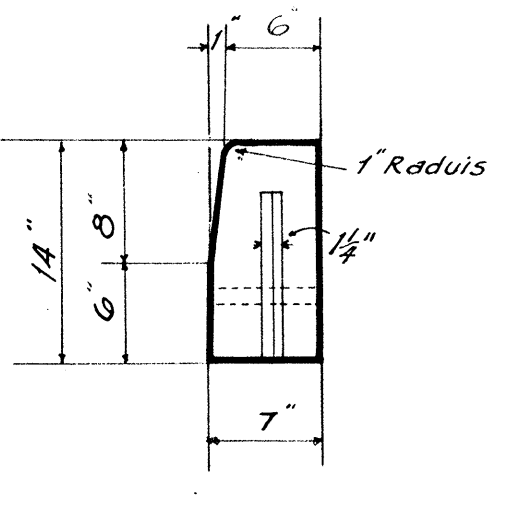
Scale: 1" = 1'-0"



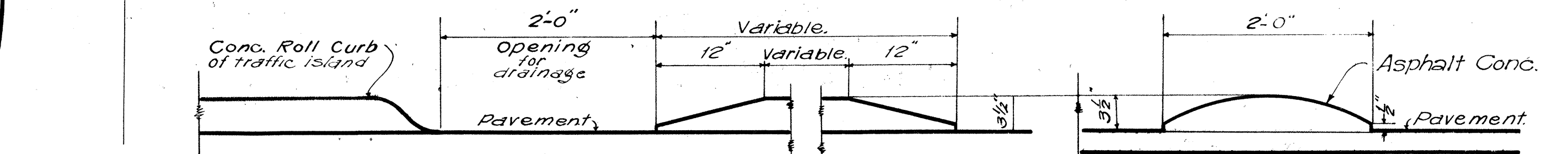
FRONT ELEV

TYPE "E" PRECAST CONC. CURB

Scale: 1" = 1'-0"



END ELEV

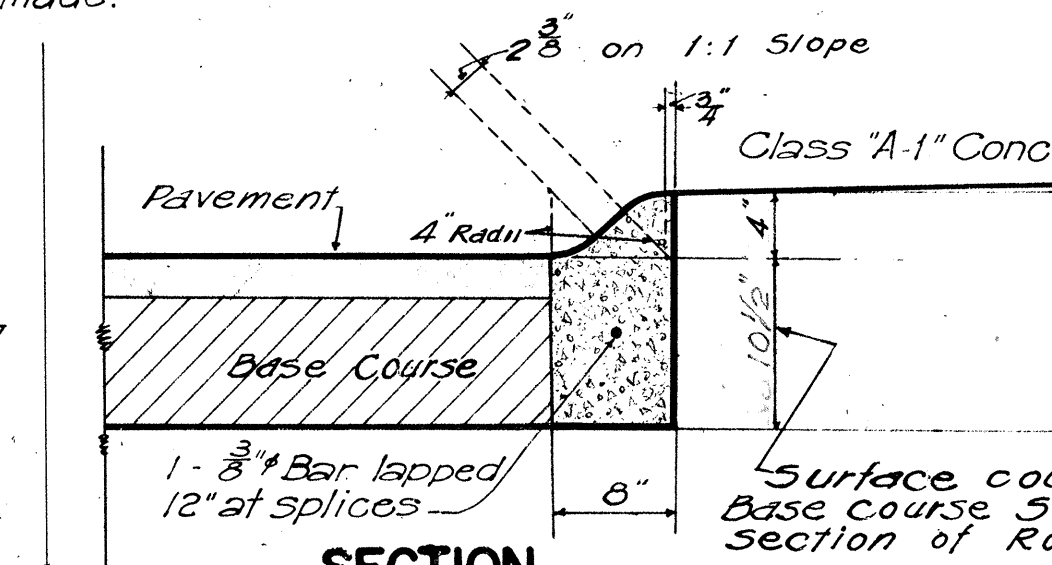


ELEVATION

NOTE: There may be more than one over-all curb height used on an individual project depending upon Base Courses used, but this shall make no difference in items under which payment is made.

DETAIL OF A.C. ROLL

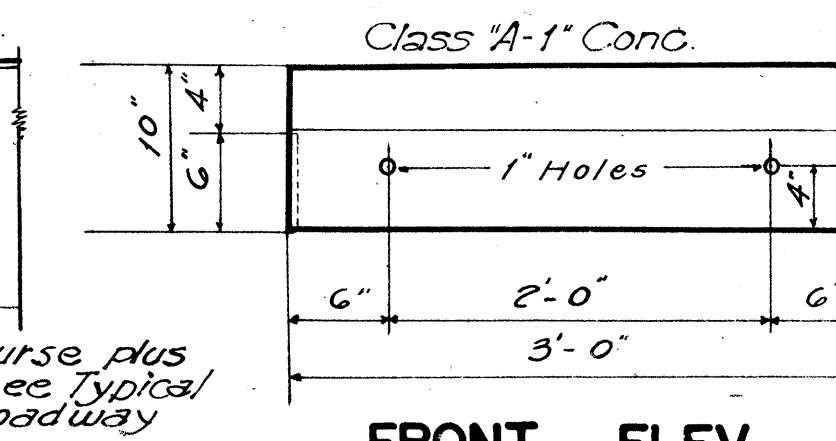
Scale: 1" = 1'-0"



SECTION

TYPE "C" CAST IN PLACE CONC. ROLL CURB

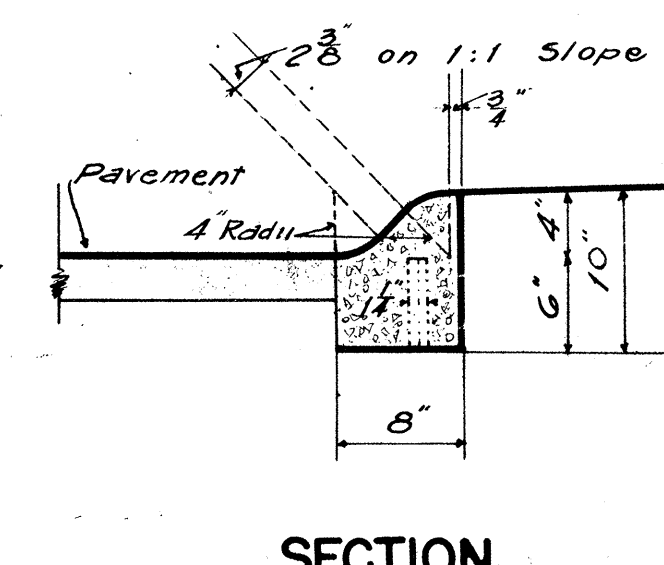
Scale: 1" = 1'-0"



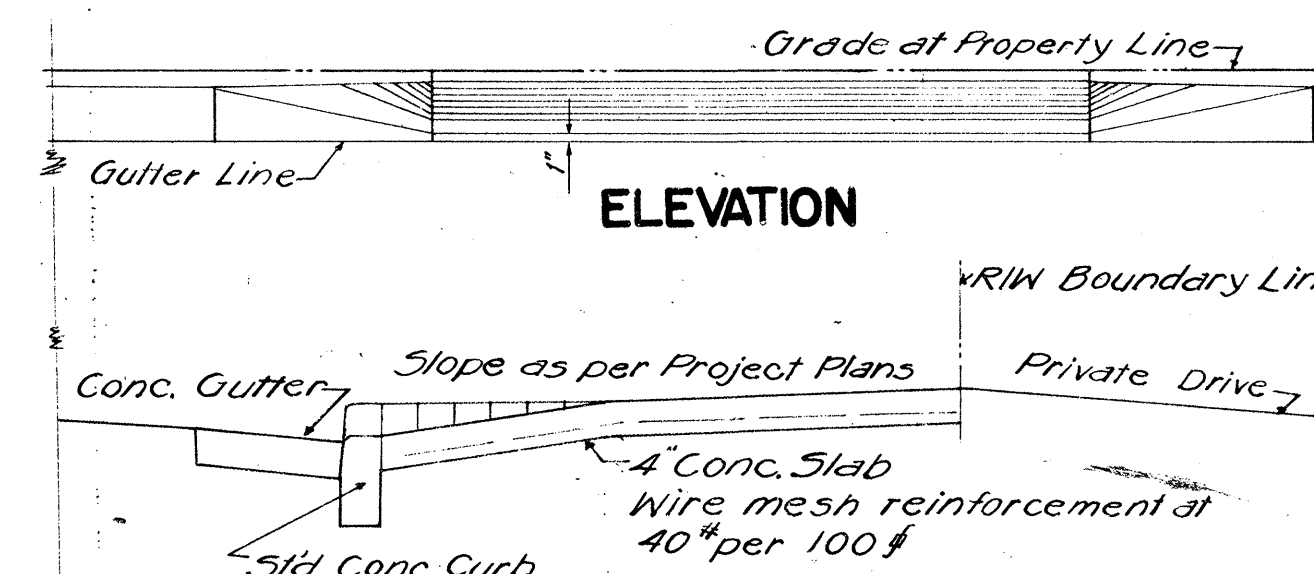
FRONT ELEV

TYPE "C" PRECAST CONC. ROLL CURB

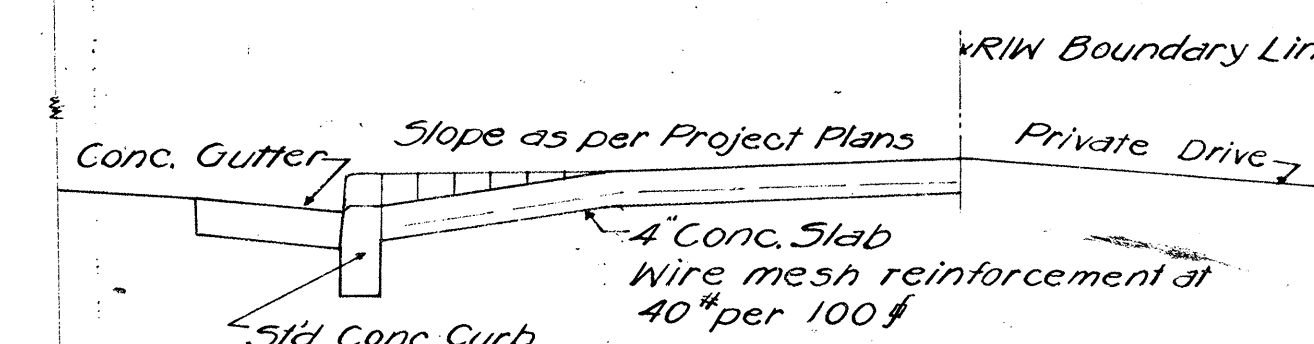
Scale: 1" = 1'-0"



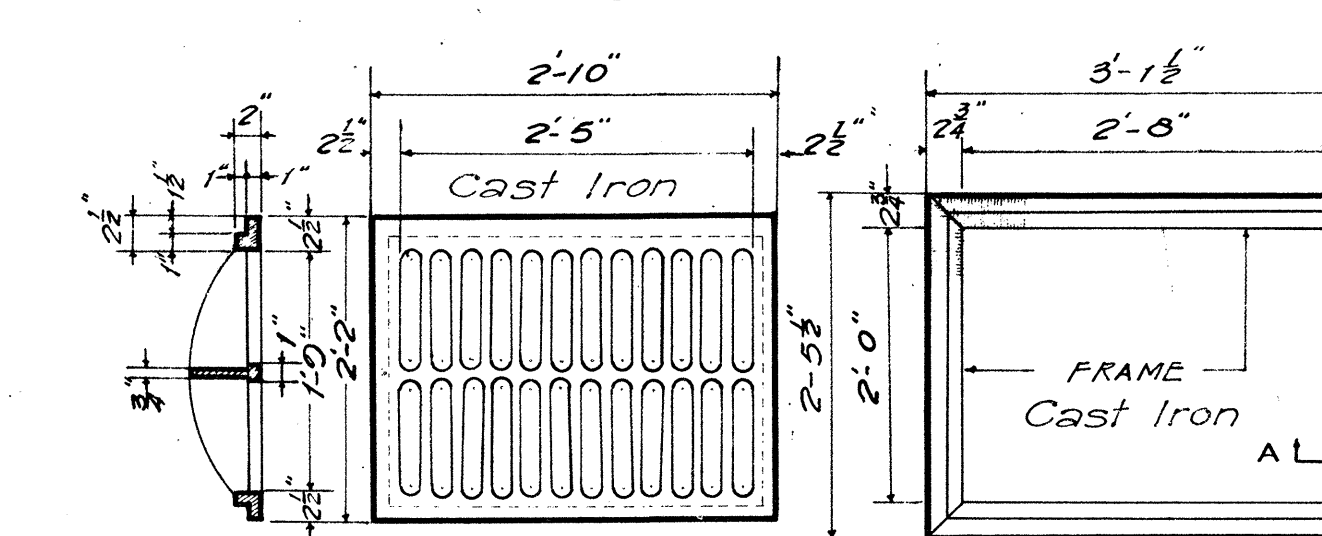
SECTION



ELEVATION



SECTION

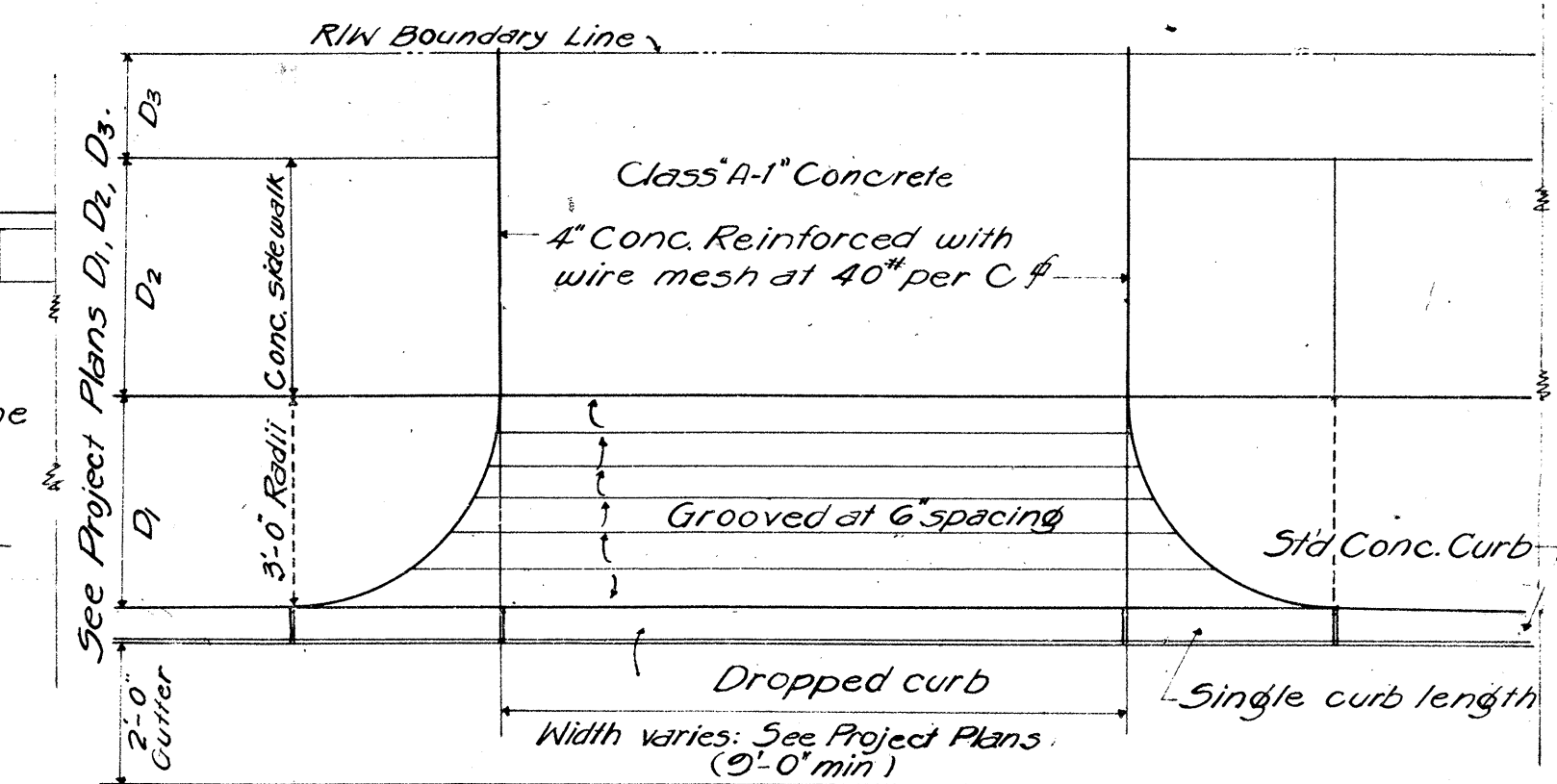


TOP VIEW

STANDARD C. I. FRAME AND GRATE TYPE "C"

Scale: 3/4" = 1'-0"

NOTE: Stock Pattern from Novelty Foundry-Honolulu



PLAN

DETAILS OF DROPPED DRIVEWAY

SECTION A-A

Scale: 3" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STANDARD DETAILS

SCALES AS NOTED Apr. 15, 1948

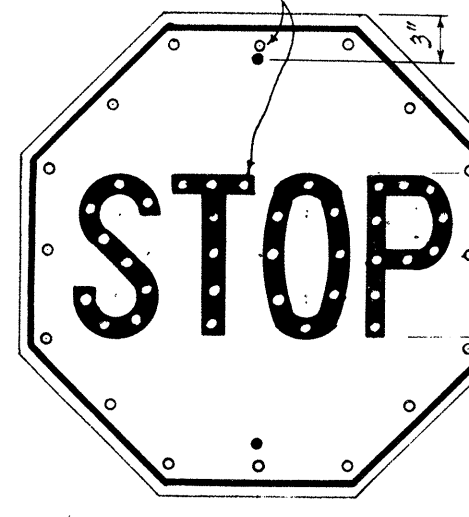
APPROVED: *[Signature]*

Territorial Highway Engineer

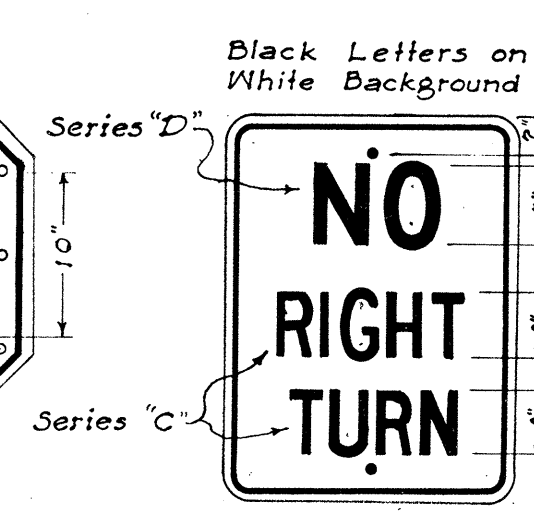
SHEET NO. 4 OF 6 SHEETS

5382.18

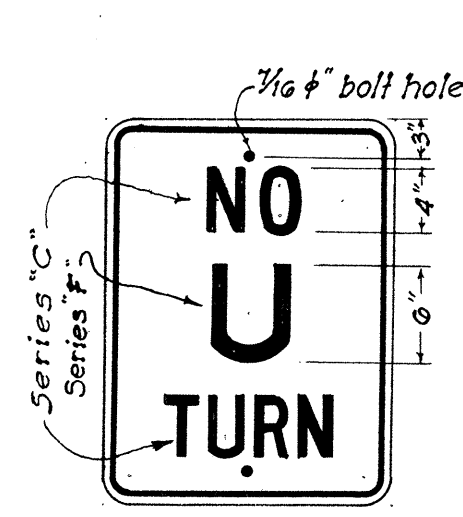
Black Letters on "Highway Yellow" Background White Reflectors



R-1



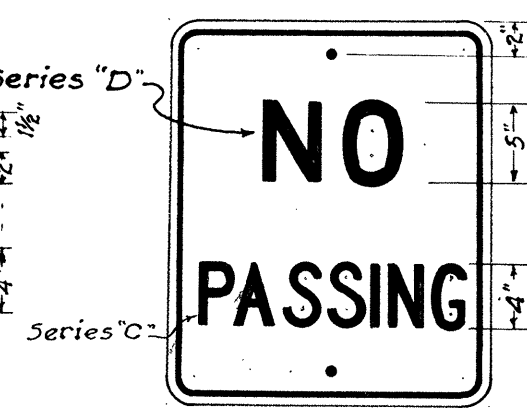
R-6



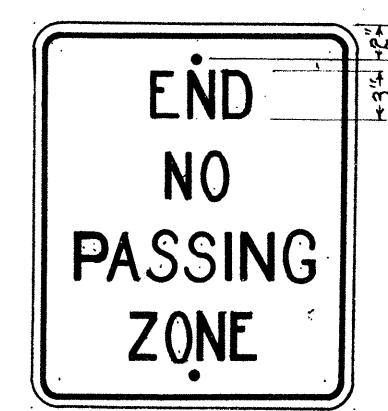
R-8



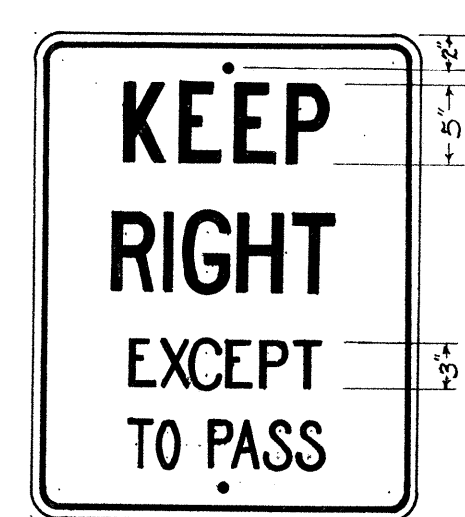
R-10



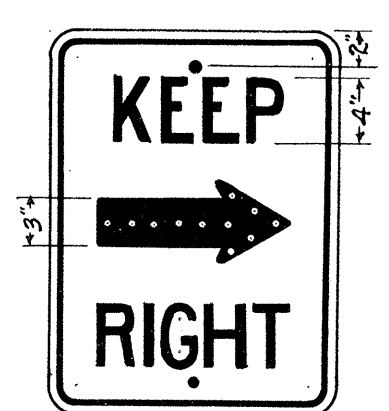
R-11



R-12



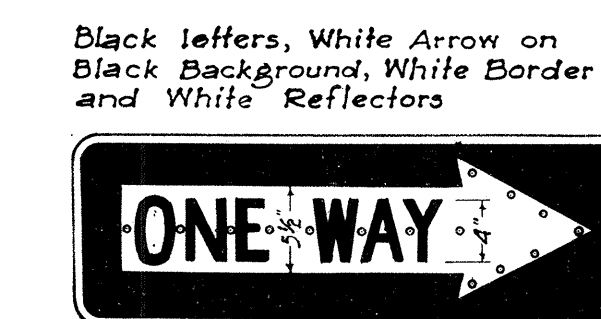
R-13



R-14



R-15



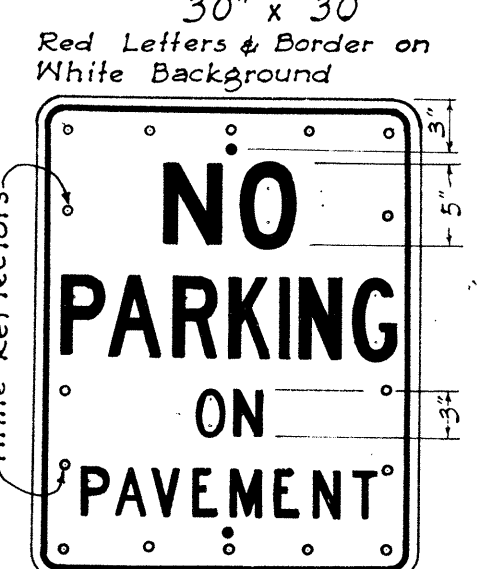
R-16-R
*R-16-L



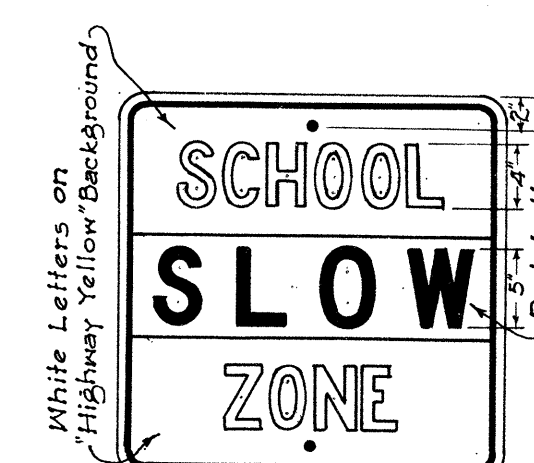
R-18



R-26



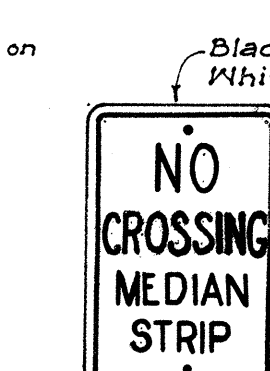
R-29



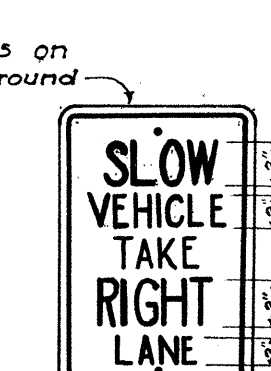
R-41-S



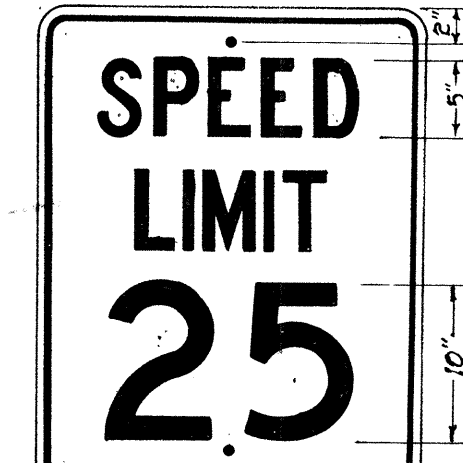
R-42-S



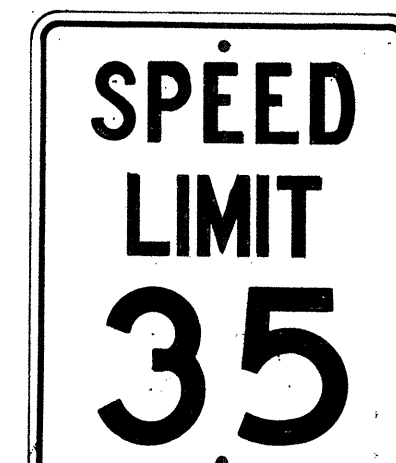
R-43-S



R-44-S



R-102-A



R-102-B



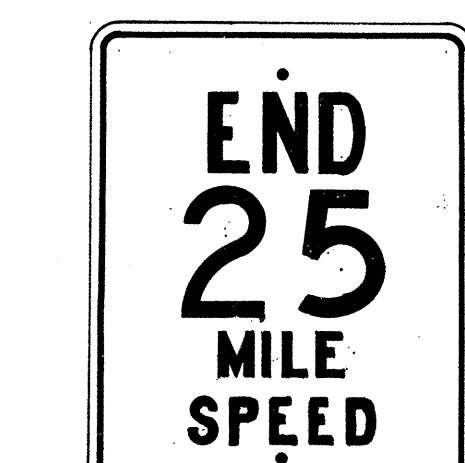
R-102-C



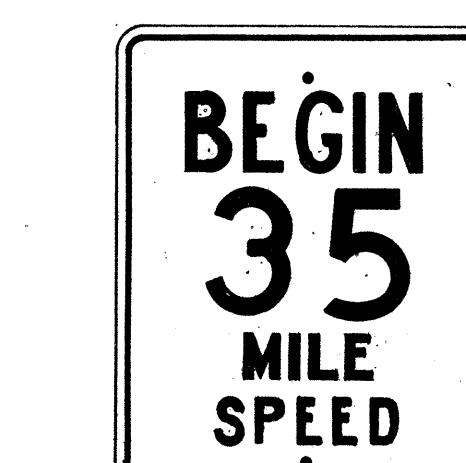
R-104



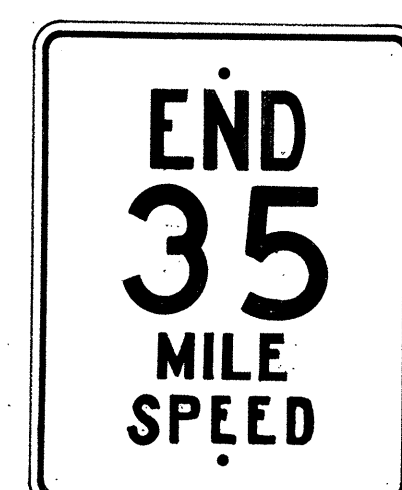
R-105-A



R-105-B



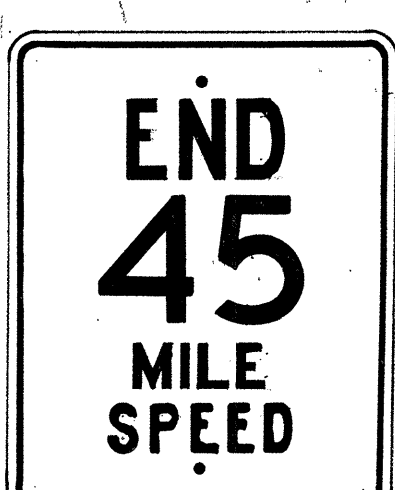
R-105-C



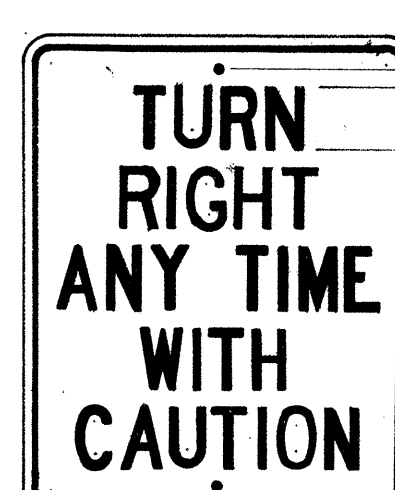
R-105-D



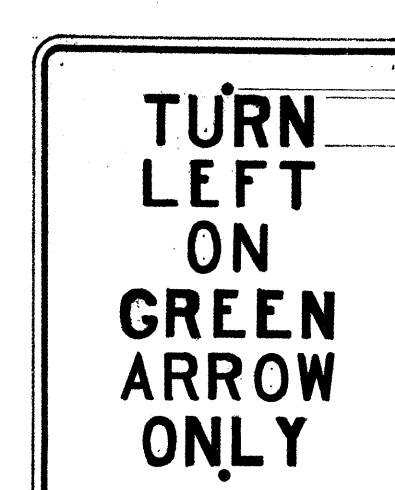
R-105-E



R-105-F



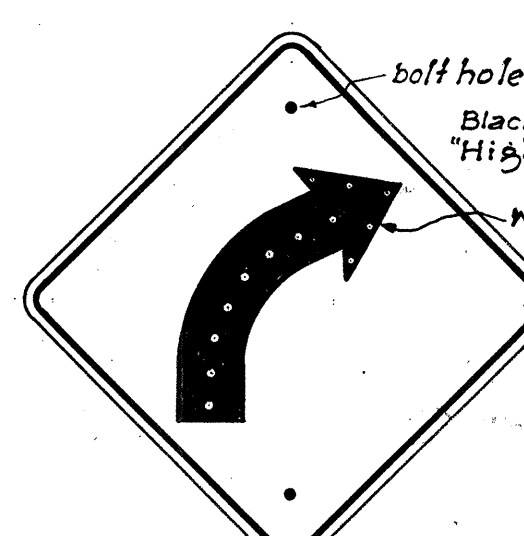
R-106



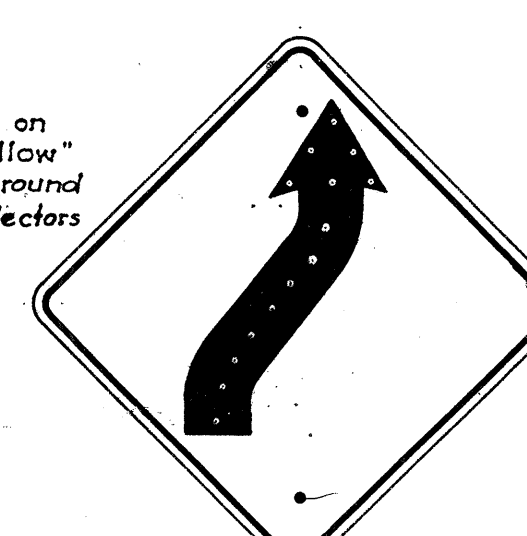
R-107-A



R-107



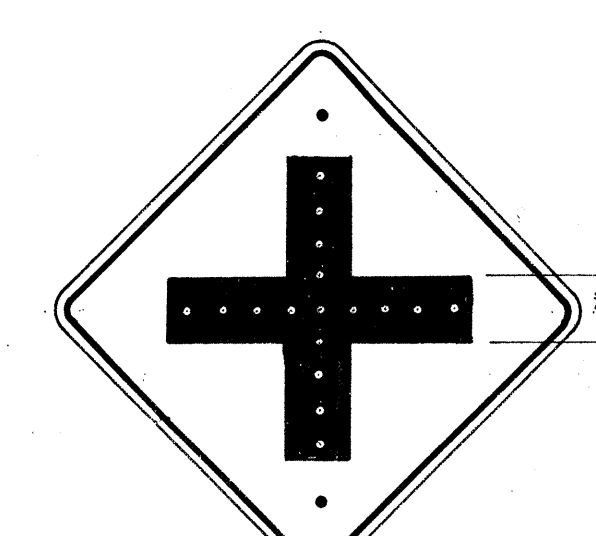
W-2-R
*W-2-L



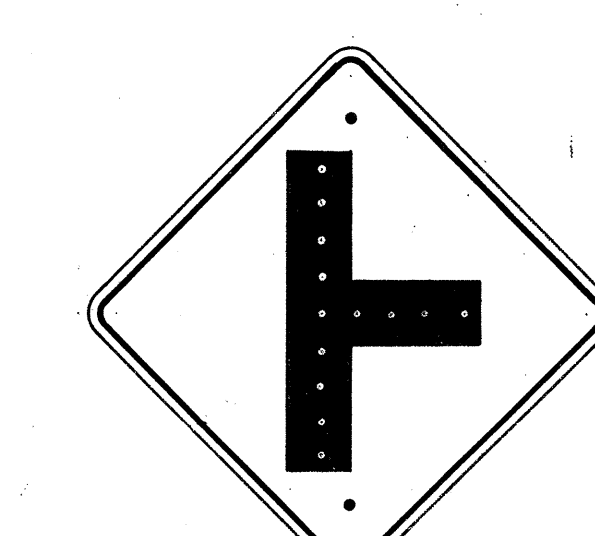
W-4-R
*W-4-L



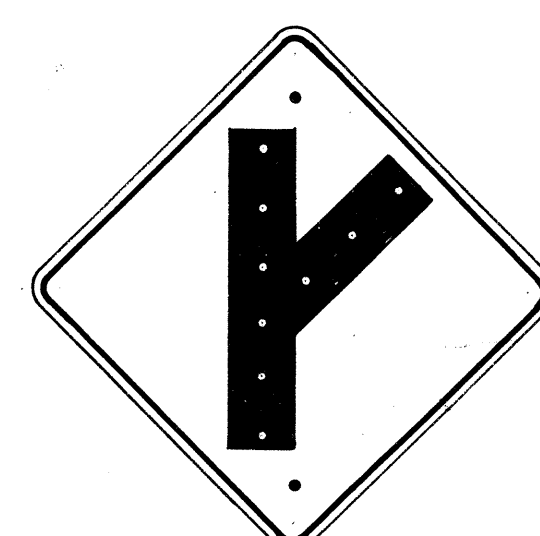
W-5-R
*W-5-L



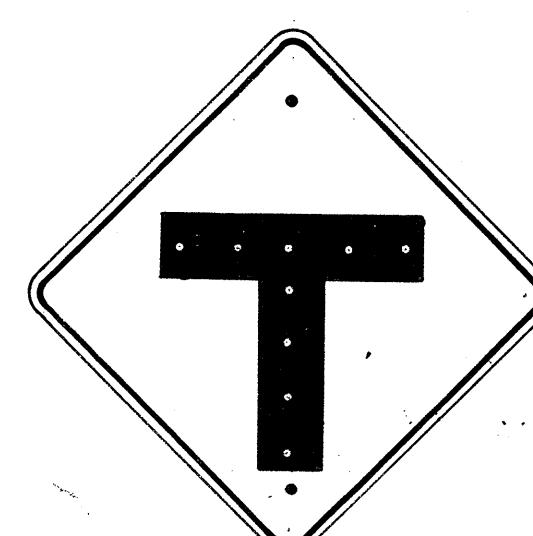
W-6



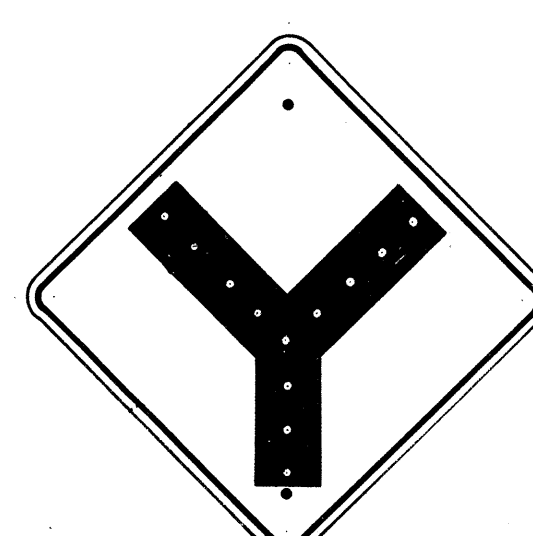
W-7



W-8-R
*W-8-L



W-9



W-10



W-13



W-14



W-14-A



W-19



W-20



W-21



W-22



W-24



W-25



W-29



W-38



W-39

NOTE: All Warning Signs shall have two (2) 3/8" bolt holes drilled at 24" center unless otherwise noted.

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.

Note: All Regulatory (R) signs shall have black letters on a white background except where noted. All Warning (W) signs shall have black letters or figures on a "Highway Yellow" background. *Signs shall be similar but opposite in direction.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
REGULATORY & WARNING SIGNS
Scale: 1" = 1'
APPROVED: *[Signature]* May 31, 1949
TERRITORIAL HIGHWAY ENGINEER

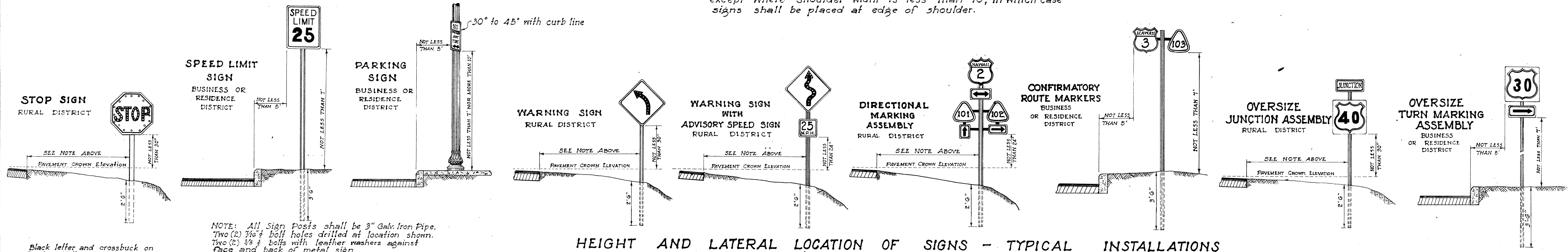
See Specifications for Materials & Finish.

SHEET No 5 OF 6 SHEETS

5382.19

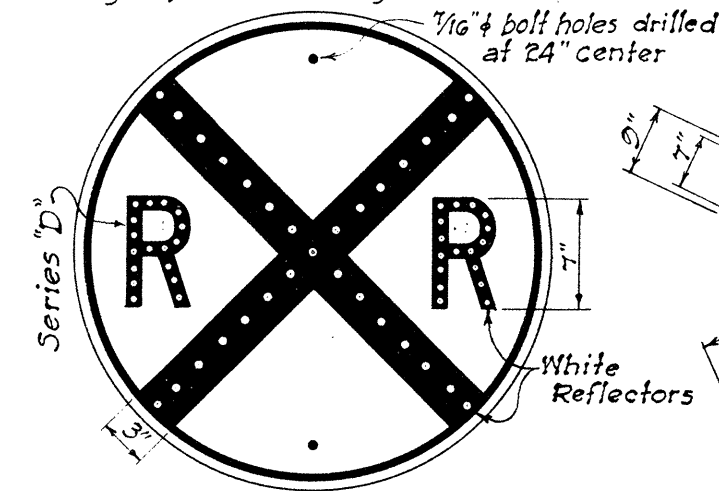
DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
QUANTITIES BY: _____
NOTED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____
No. _____

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.

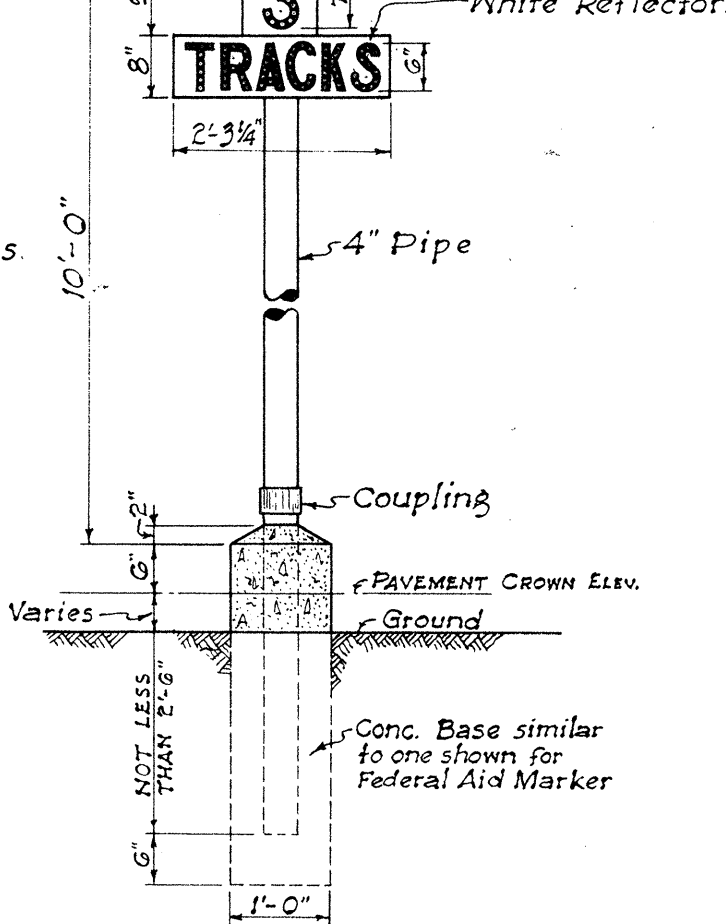
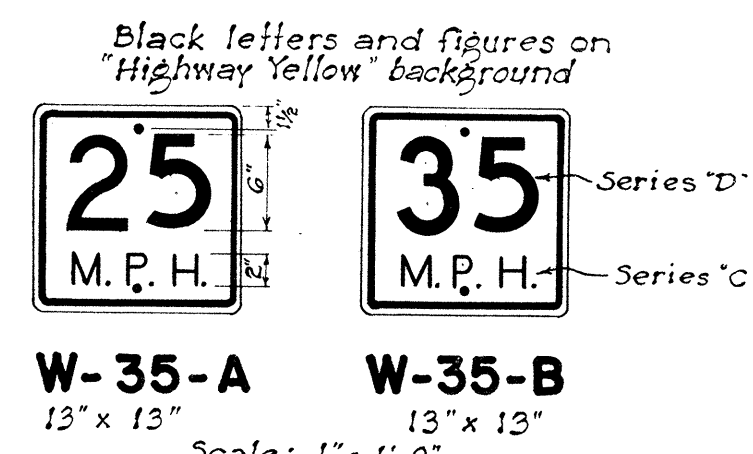
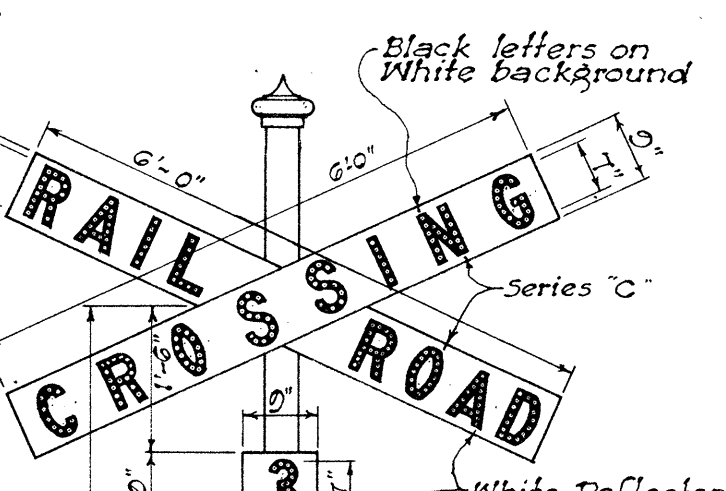


HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS
Scale: 1" = 3'-0"

Black letter and crossbuck on "Highway Yellow" background
1/4" bolt holes drilled at 24" center

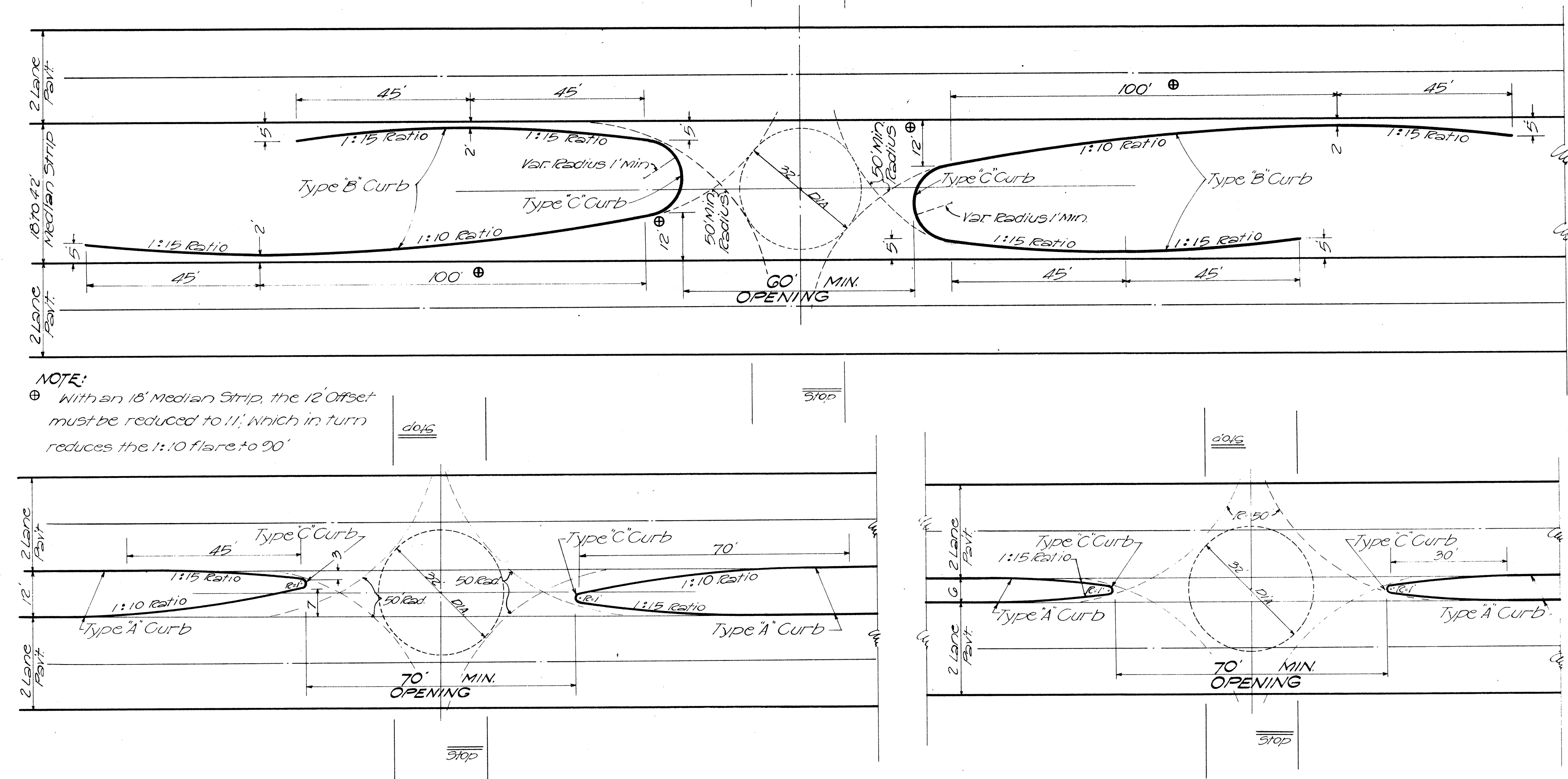
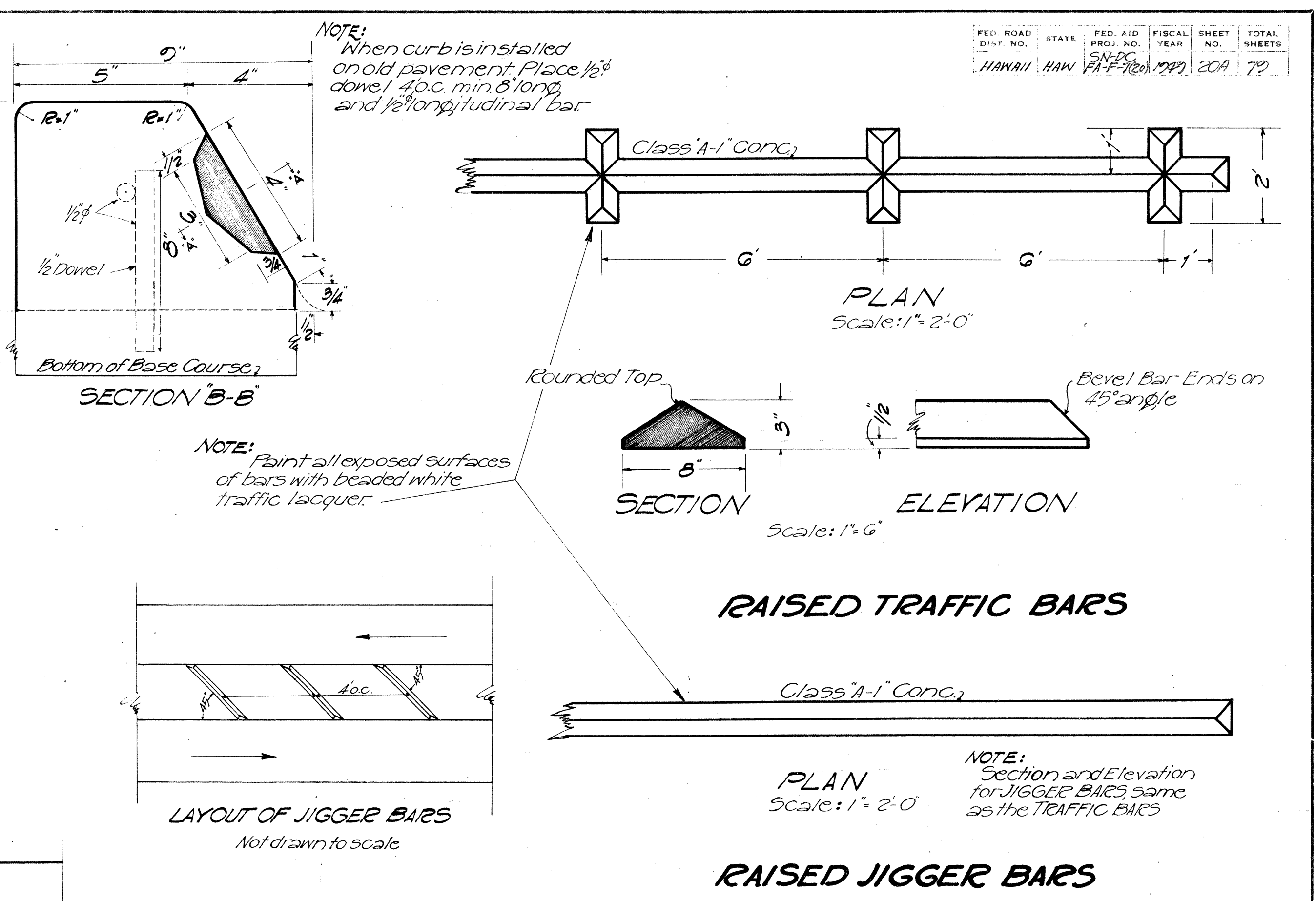
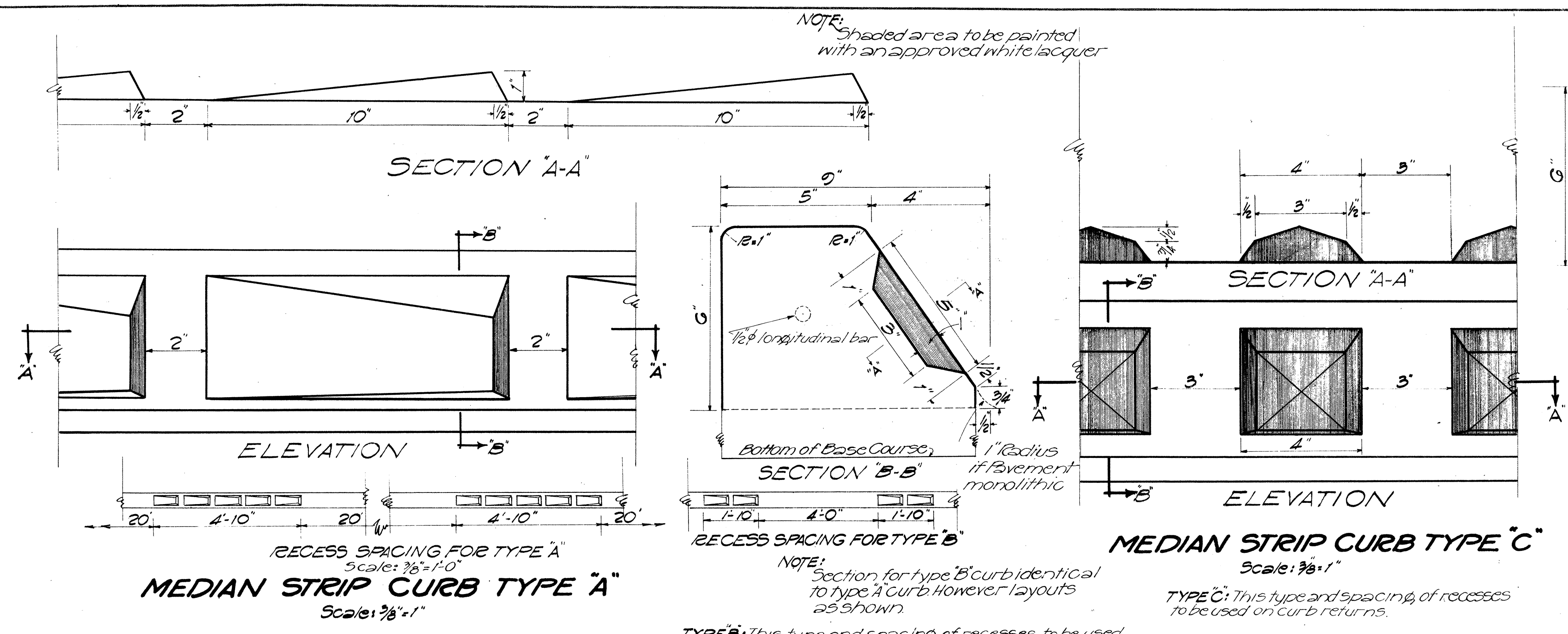


NOTE: This sign shall be placed from 300 to 500 feet from R.R. intersections in rural areas and a minimum distance of 100 feet from R.R. intersections in Residence or Business districts.

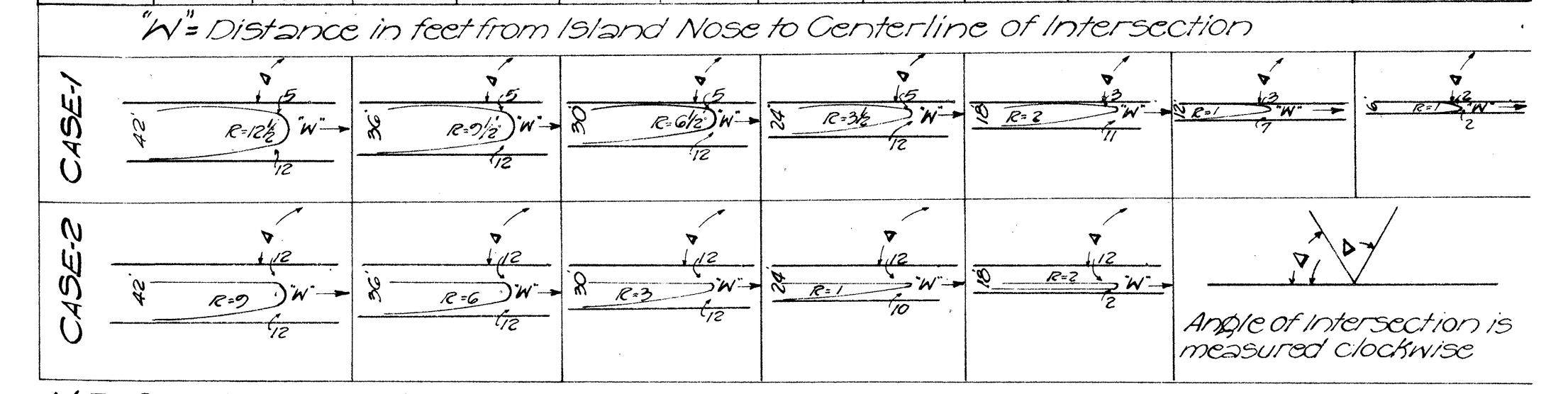


DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NOTED BY	
CHECKED BY	

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



Angle of Inters.	WIDTH OF MEDIAN STRIP											
	42'	36'	30'	24'	18'	12'	6'	42'	36'	30'	24'	18'
90°	54	58	62	66	70	74	78	54	58	62	66	70
95°	48	52	56	60	64	68	72	48	52	56	60	64
100°	42	46	50	54	58	62	66	42	46	50	54	58
105°	36	40	44	48	52	56	60	36	40	44	48	52
110°	30	34	38	42	46	50	54	30	34	38	42	46
115°	24	28	32	36	40	44	48	24	28	32	36	40
120°	18	22	26	30	34	38	42	18	22	26	30	34



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STANDARD DETAILS

Scale as shown

APPROVED *[Signature]* Date 9-2-92
TERRITORIAL HIGHWAY ENGINEER

SHEET No. OF SHEETS

5382.20A

SURVEY PLOTTED BY: _____
DESIGNED BY: _____
CHECKED BY: _____
DATE: _____