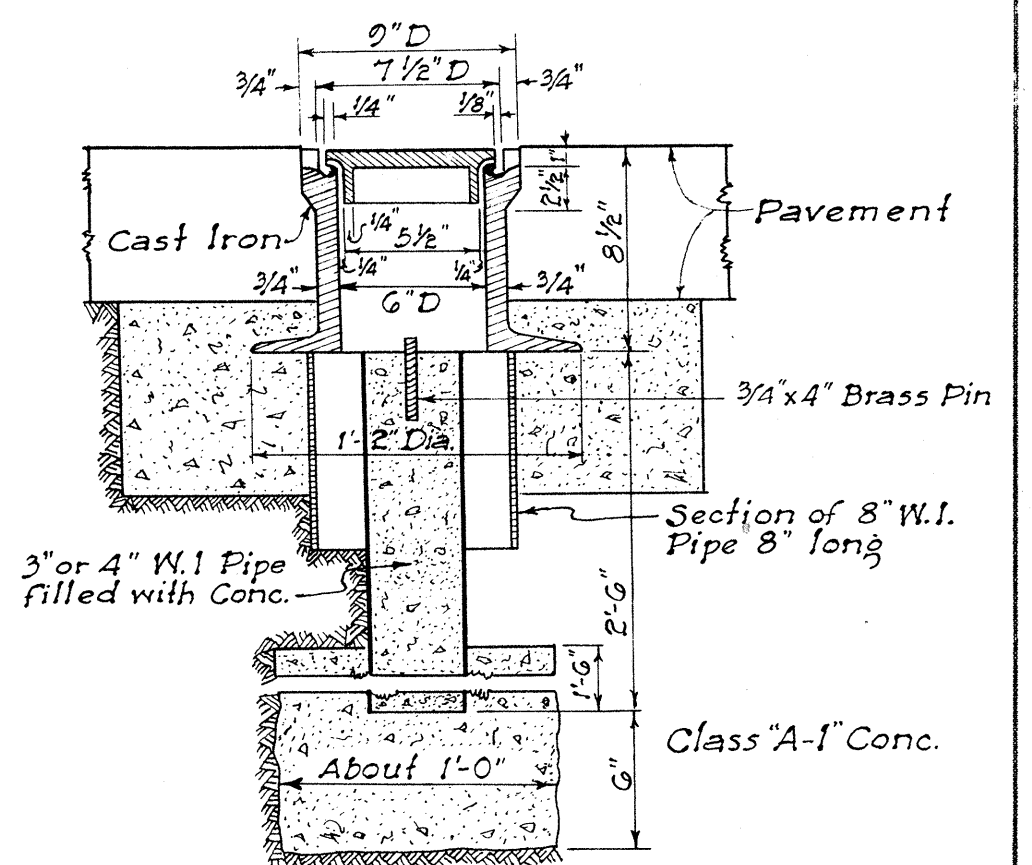
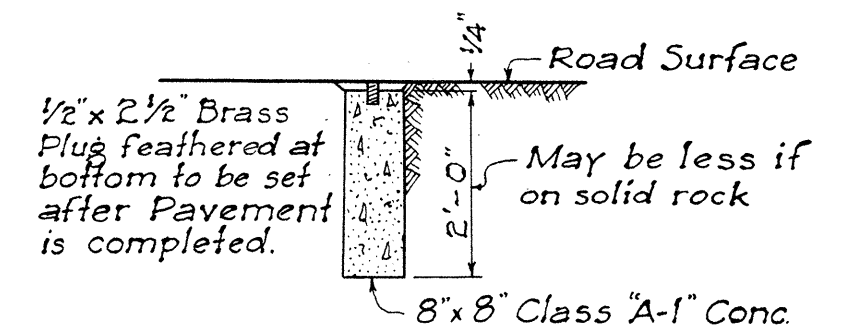


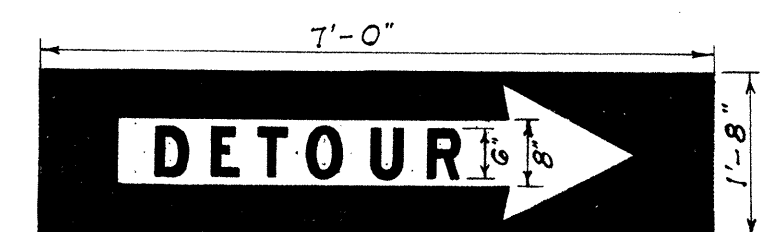
PLAN OF TOP



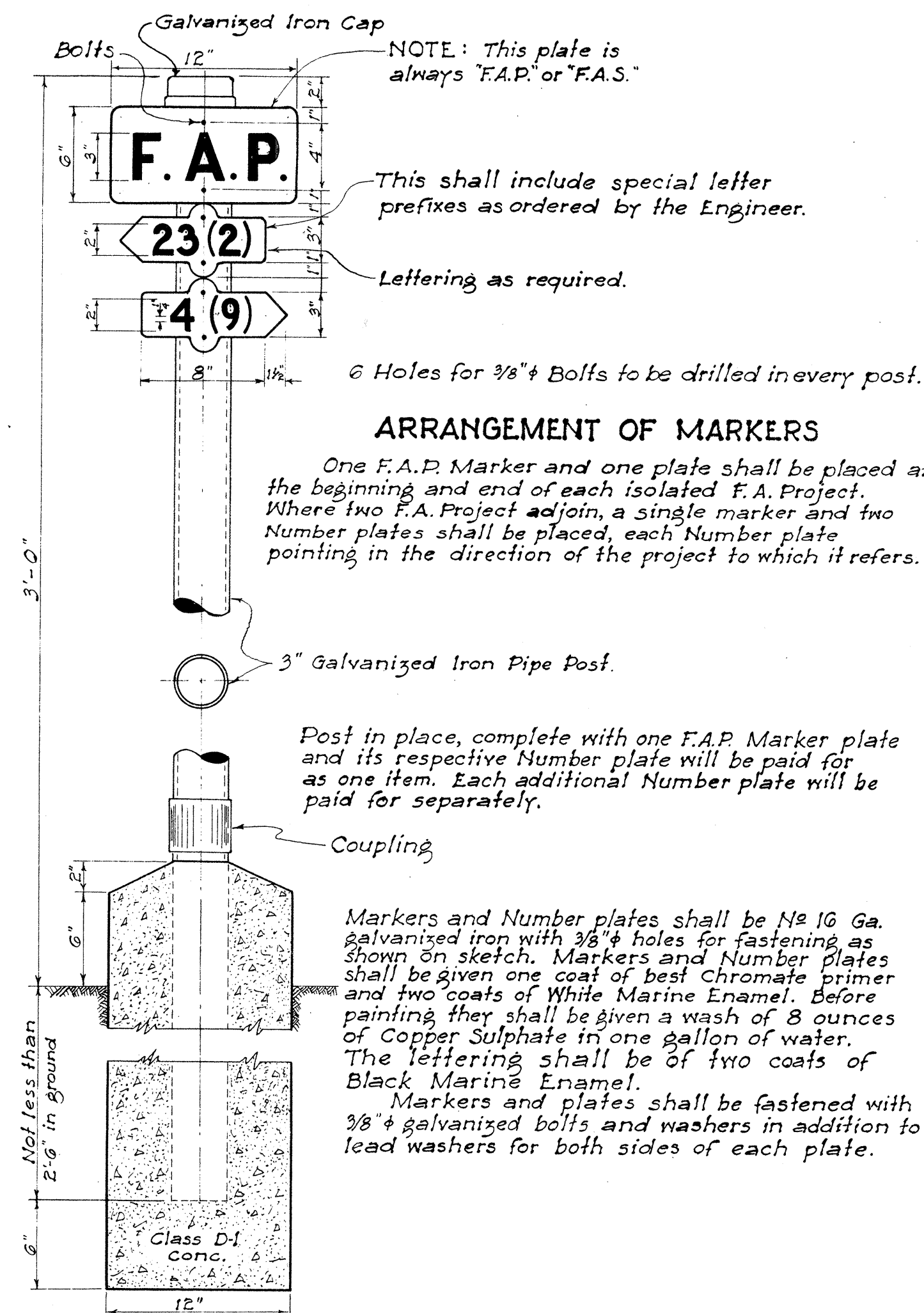
STANDARD C&C STREET
SURVEY MONUMENT



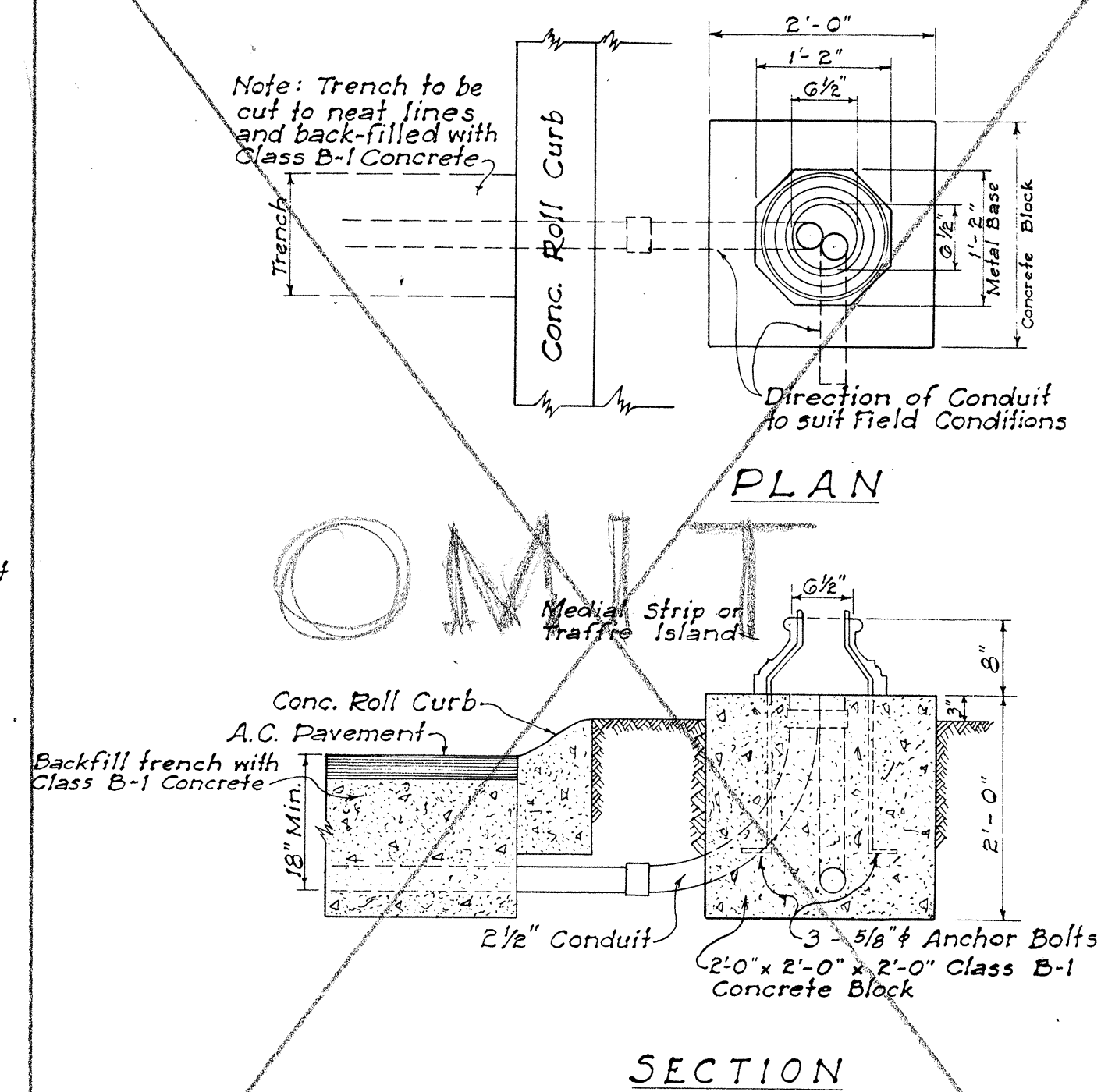
CENTER LINE MONUMENT
Scale: 1/2" = 1'-0"



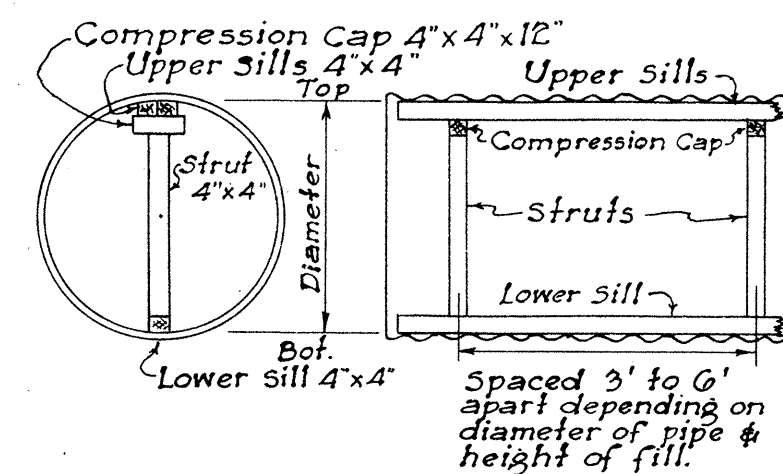
STANDARD DETOUR SIGN



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



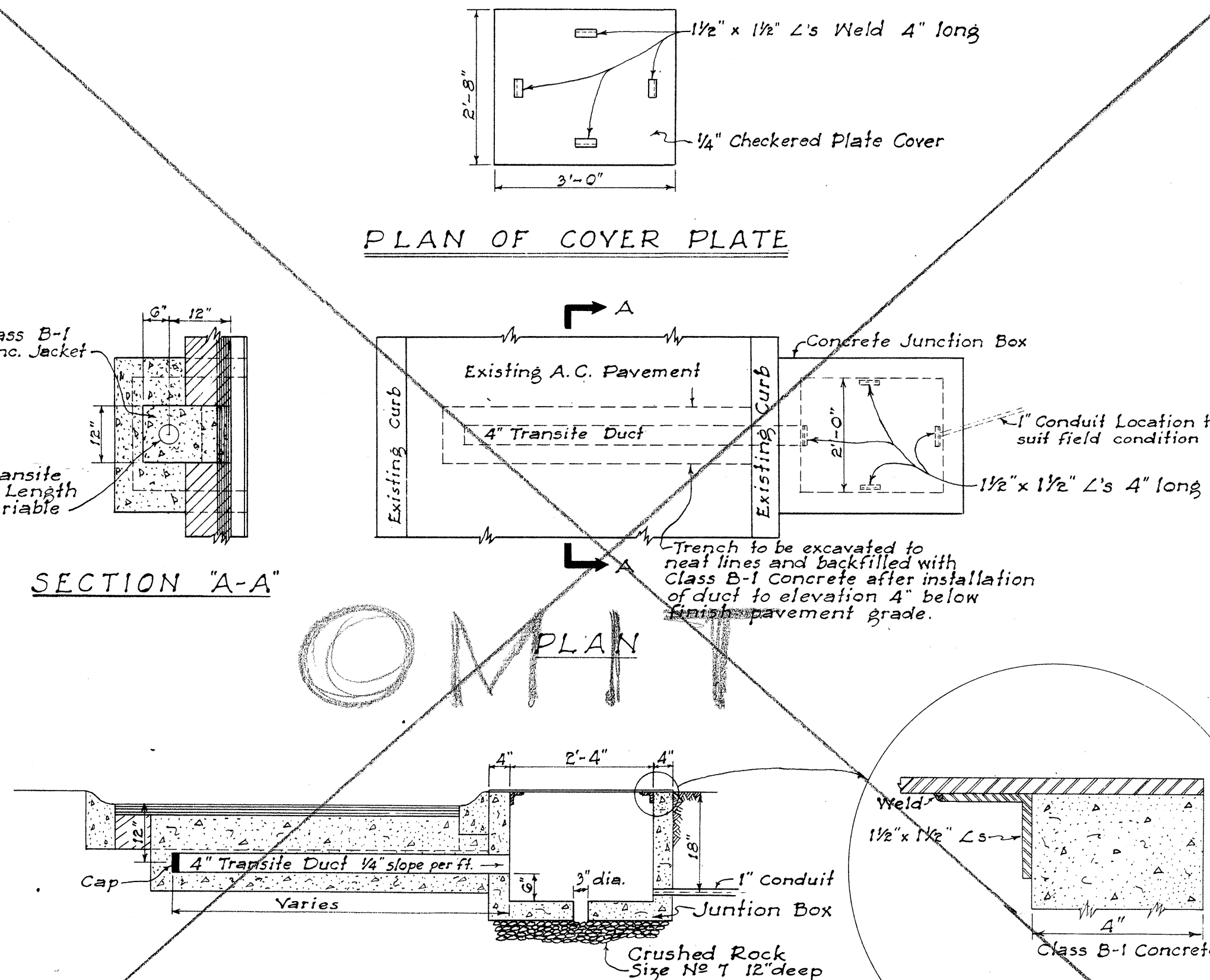
DETAIL OF BASE FOR TRAFFIC STANDARD
AND DISPATCHER PEDESTAL



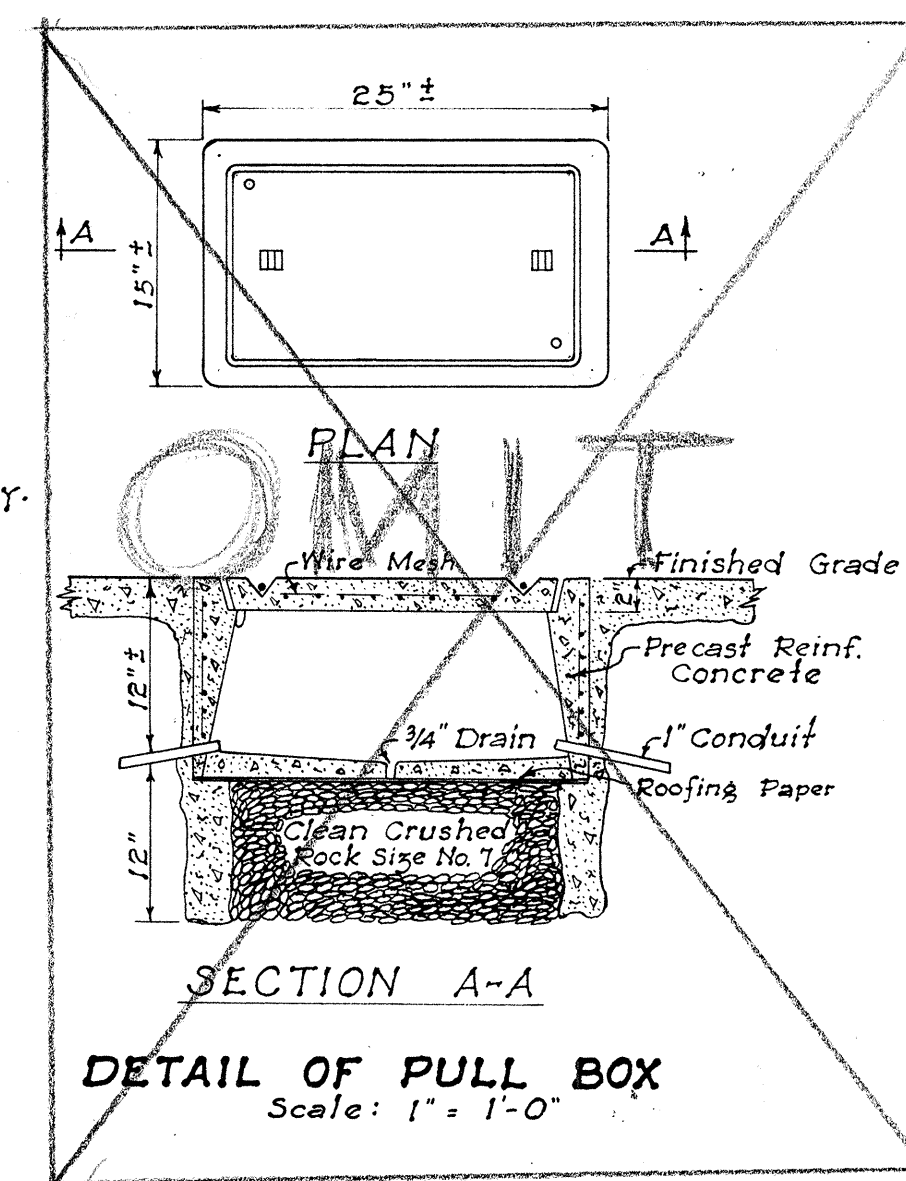
STRUTTING DIAGRAM & TABLE
FOR
CORRUGATED METAL PIPE CULVERT

Diameter of Pipe in inches	Length of Struts in inches	Spacing of Struts in ft. for Full Tilt to 5°	5° to 10°	10° to 20°	Various Heights for Full Tilt to 30°	Over 30°
48	3 3/8	—	—	—	—	4
54	4 1/4	—	—	—	—	4
60	5 1	—	—	—	—	4
66	5 7/8	—	—	—	—	4
72	6 3/8	—	—	—	5	3.5
78	6 9/8	—	—	—	4.5	3.5
84	7 1/4	—	—	—	4	3

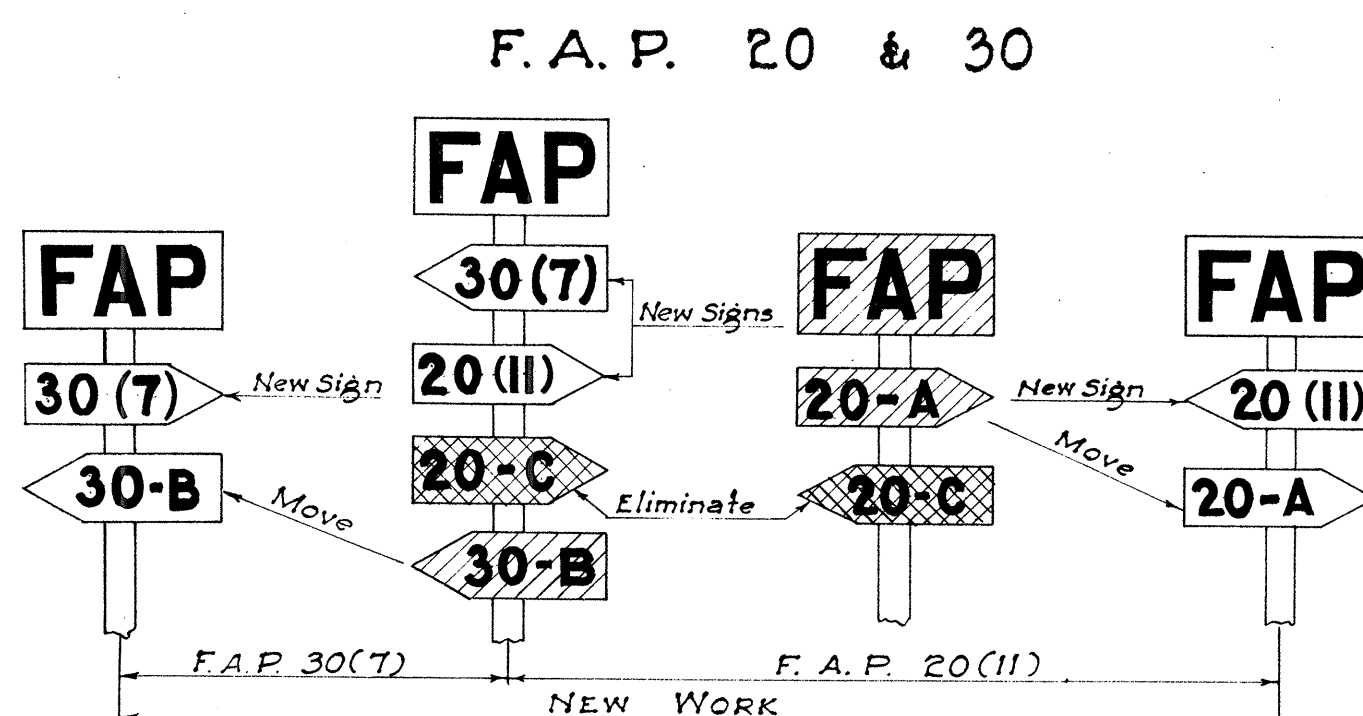
NOTE: Length of Struts are based on 4"x4" timbers which is the minimum size recommended. If larger sills or compression caps are used, length of struts should be changed accordingly.



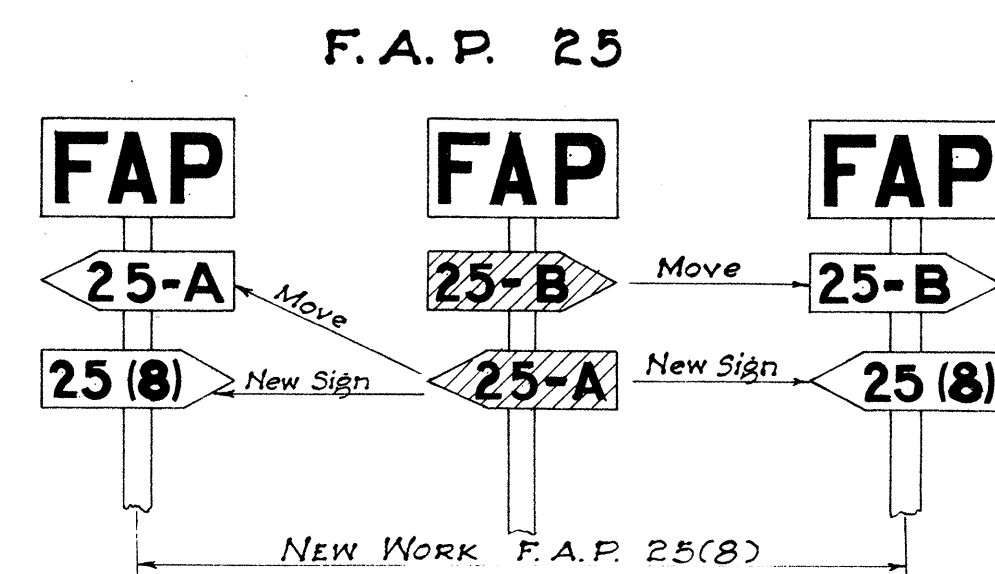
TYPICAL ROAD SECTION
SHOWING
TRAFFIC DETECTOR JUNCTION BOX AND DUCT



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



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.

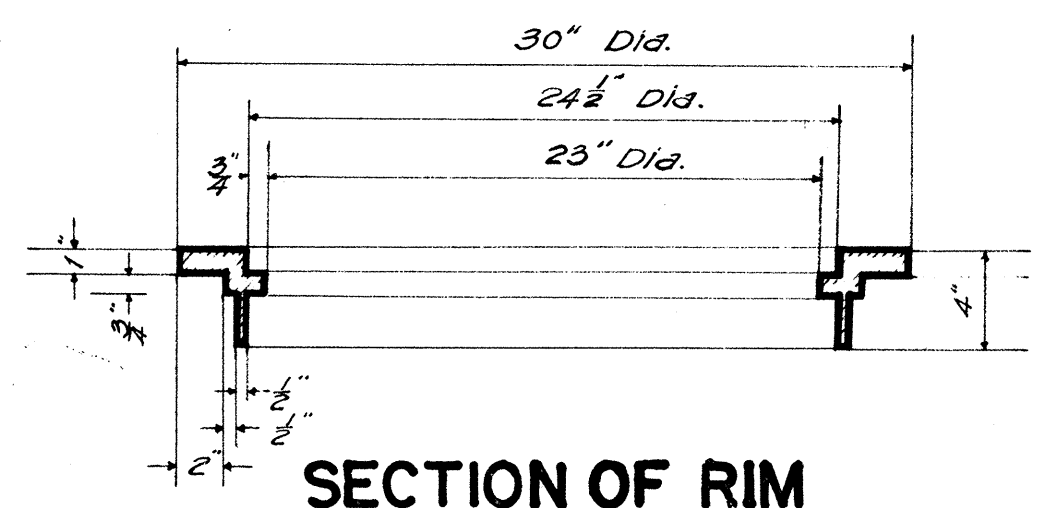
METHOD OF MARKING F.A. PROJECTS AT OVERLAPS (USING NUMBER SUFFIX ON NEW WORK)

STANDARD DETAILS

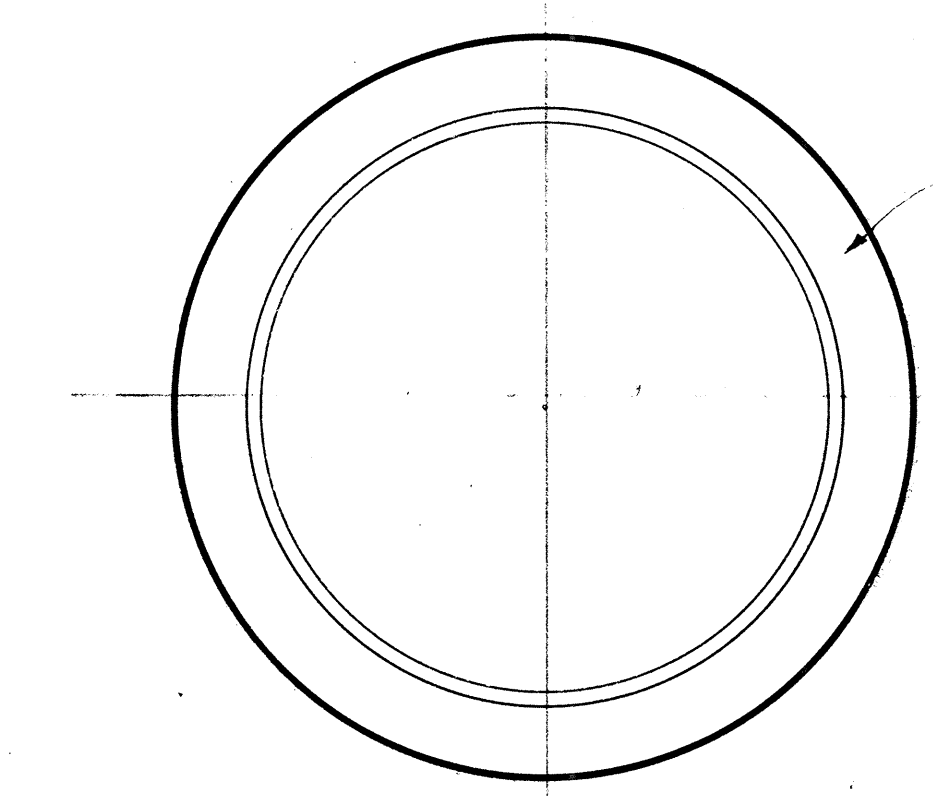
SCALES AS NOTED May 31, 1949

APPROVED: W. J. Zelt
Territorial Highway Engineer

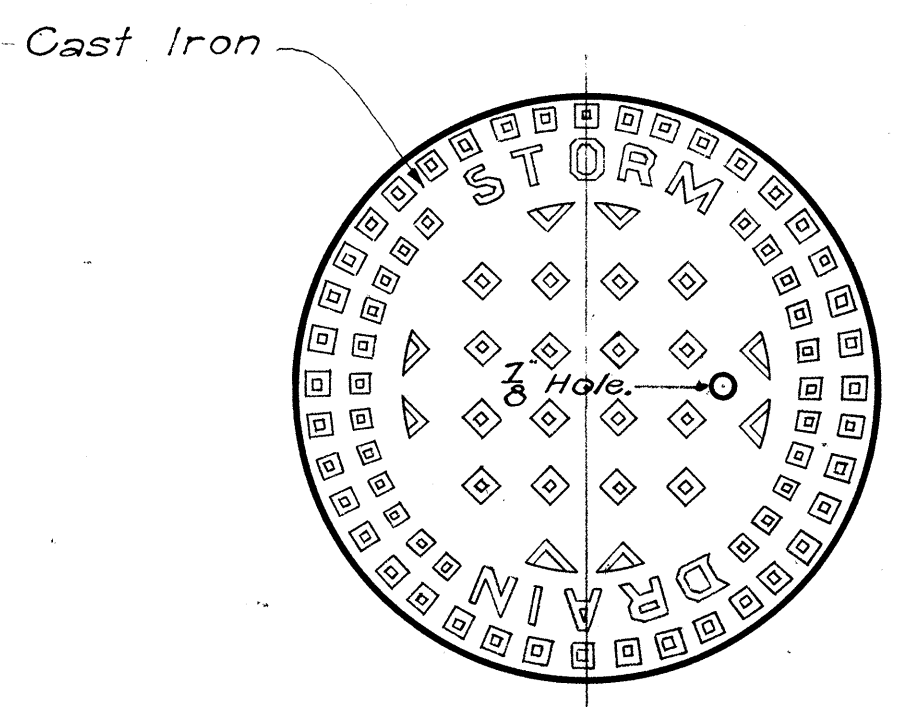
SHEET No 1 OF 4 SHEETS



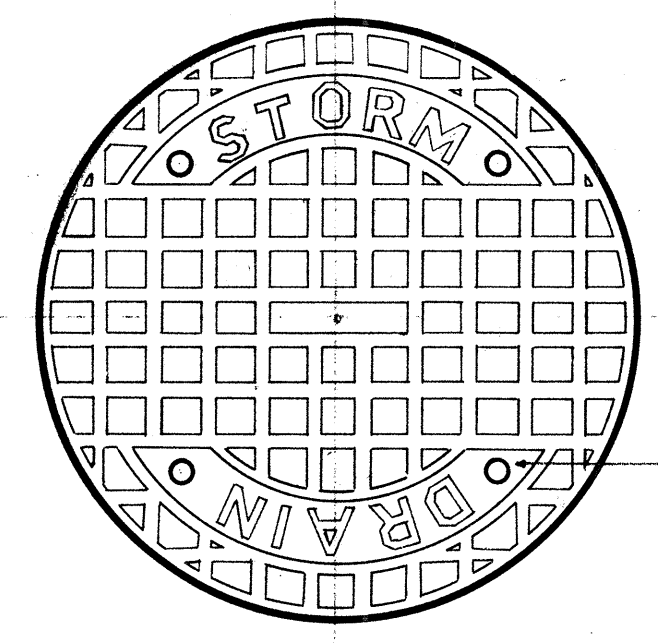
SECTION OF RIM



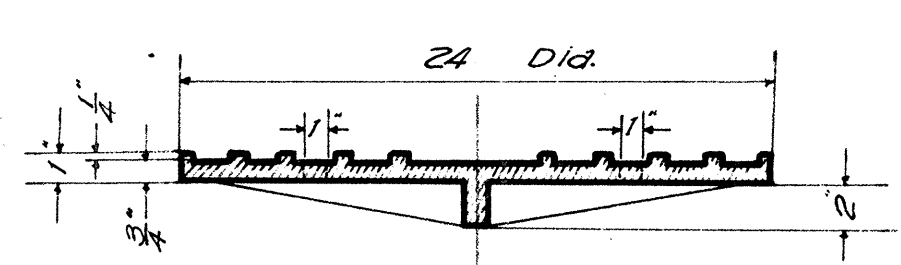
PLAN OF RIM



PATTERN FOR STORM DRAIN MANHOLE COVER

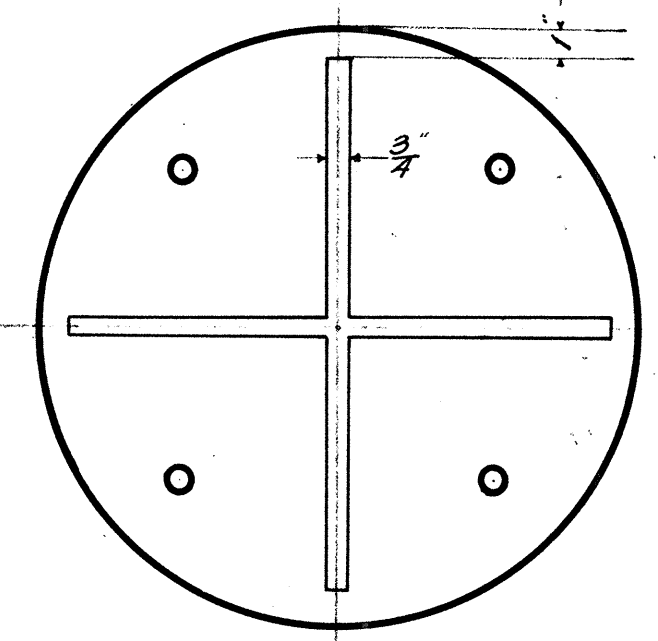


PLAN OF COVER TOP

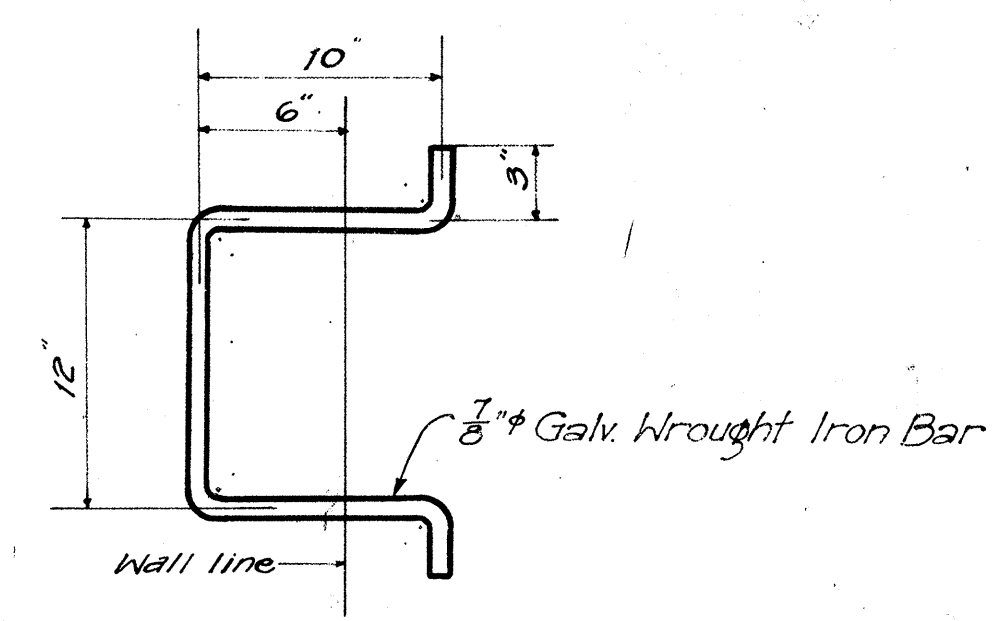


SECTION OF COVER

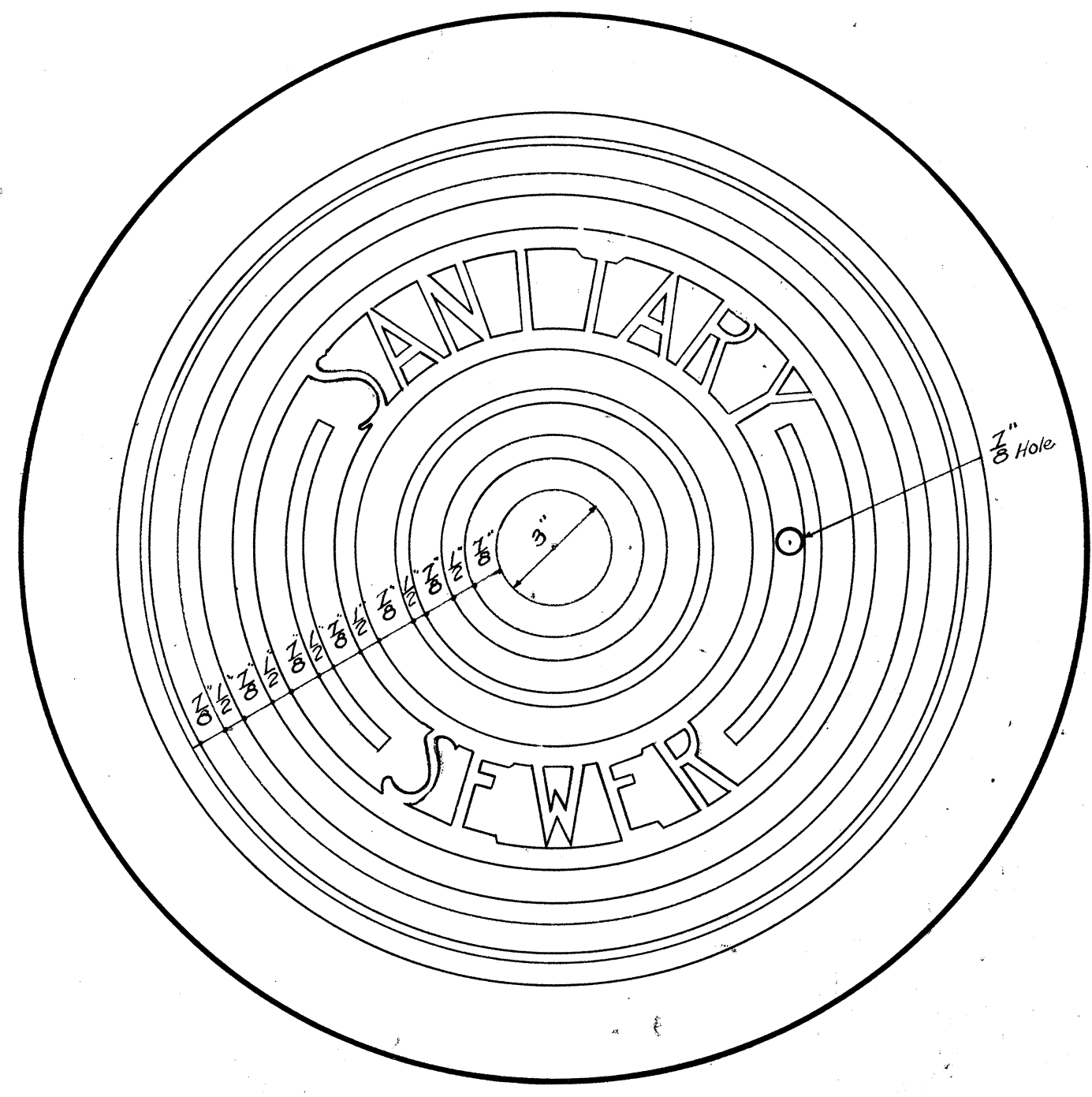
NOTE: A unit includes both Rim and Cover



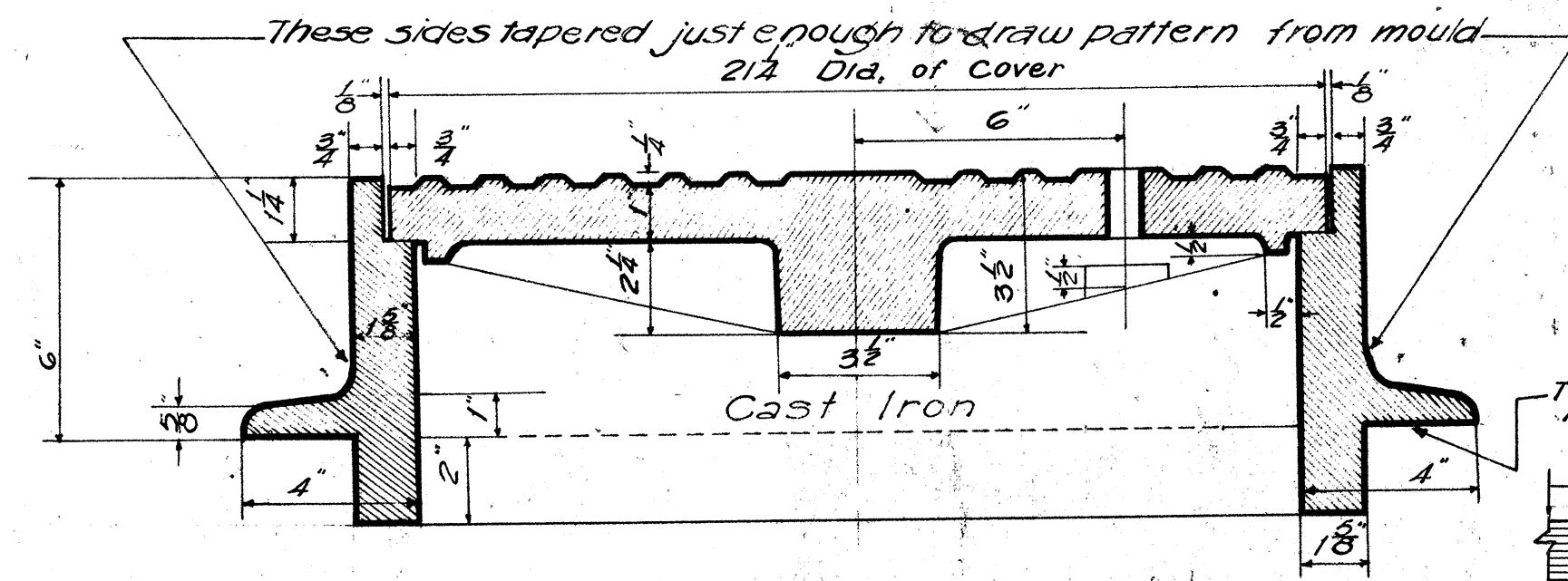
BOTTOM VIEW OF COVER TYPE "B"
STANDARD CATCH BASIN CASTINGS
Scale: 1-1/2" = 1'-0"



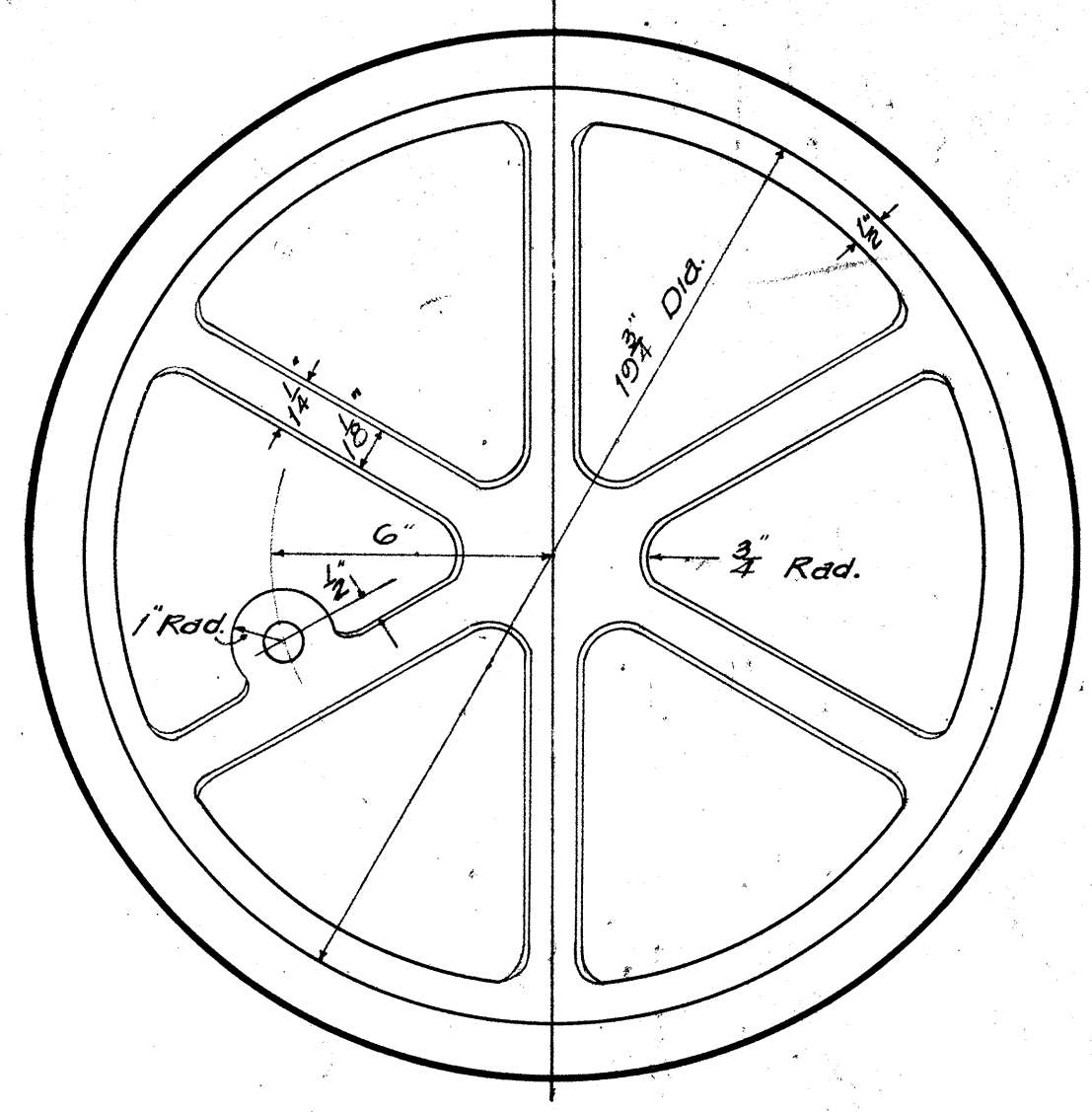
DETAIL OF MANHOLE RING
Scale: 1-1/2" = 1'-0"



PATTERN FOR SEWER MANHOLE COVER

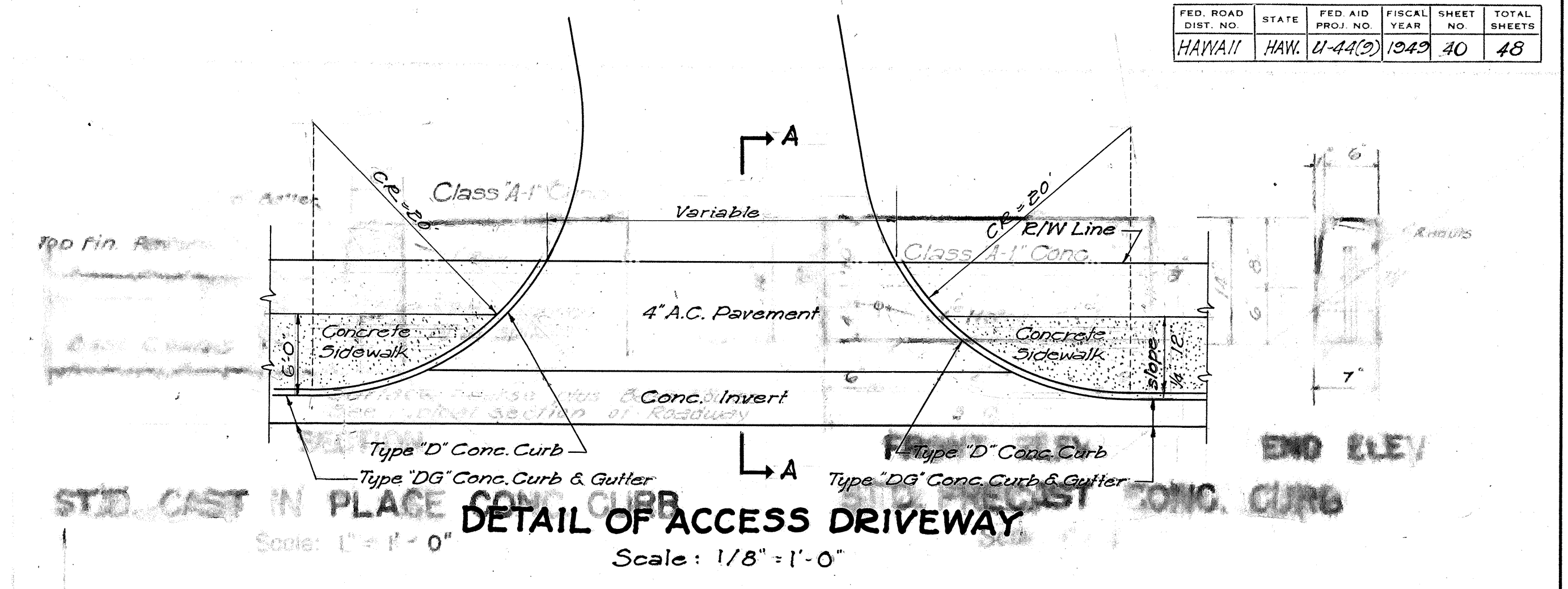


SECTION
NOTE: A unit includes both Frame and Cover

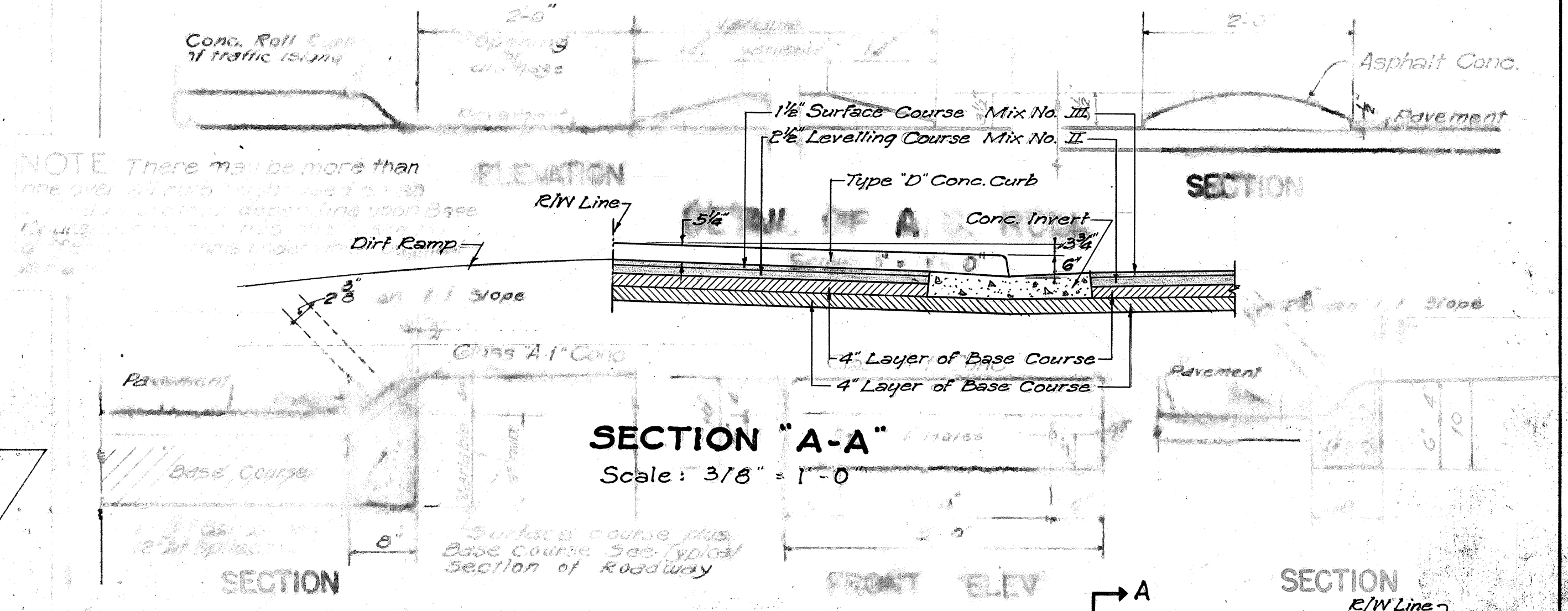


BOTTOM VIEW OF COVER TYPE "A"
STANDARD MANHOLE CASTINGS
Scale: 3" = 1'-0"

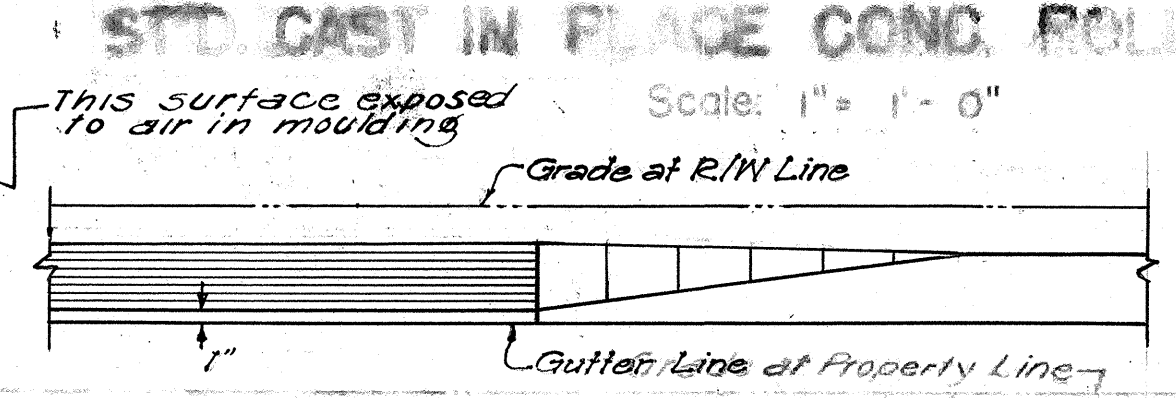
NOTE: The pattern for water manhole covers shall be the same as for sanitary sewer except that the word "Water" shall be substituted for "Sanitary Sewer."



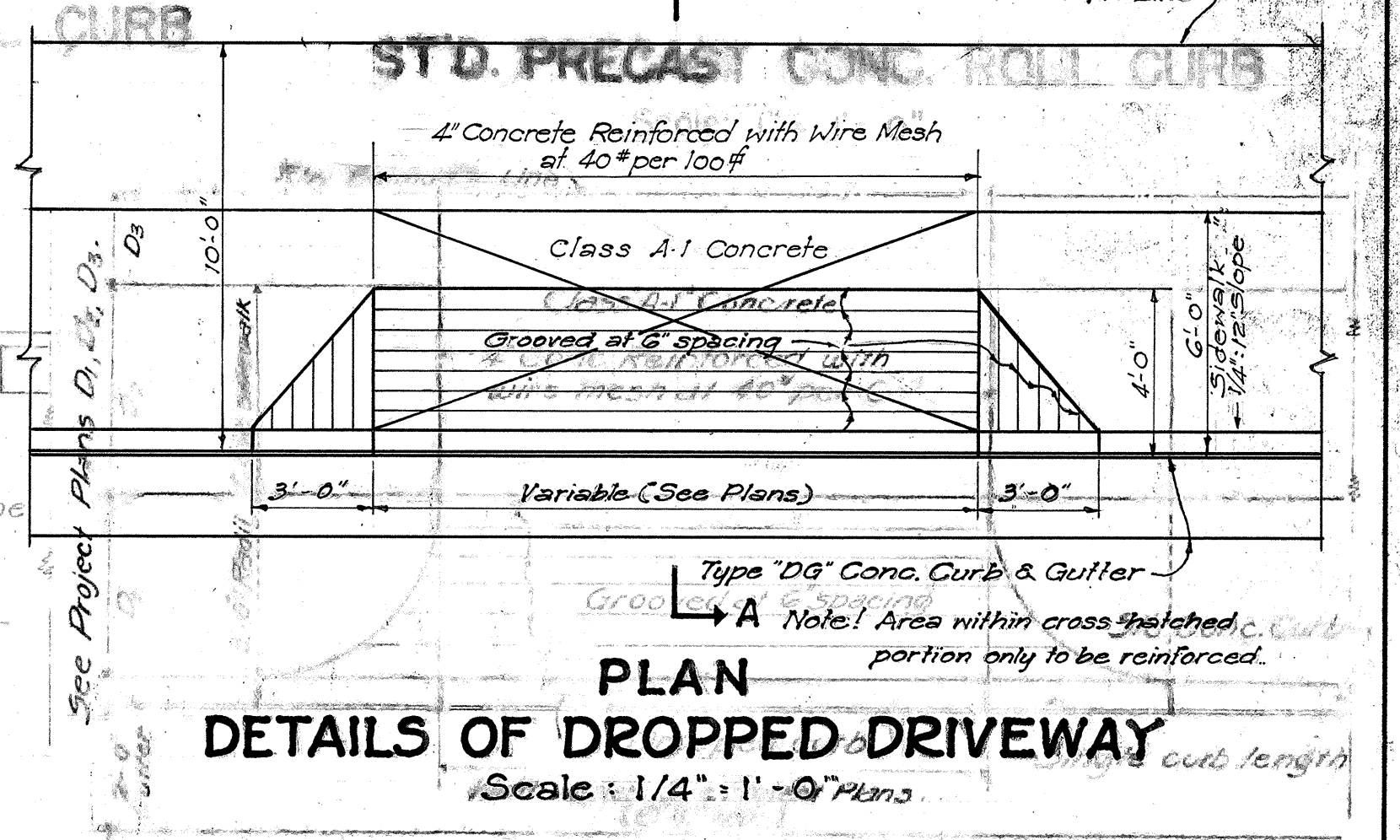
DETAIL OF ACCESS DRIVEWAY
Scale: 1/8" = 1'-0"



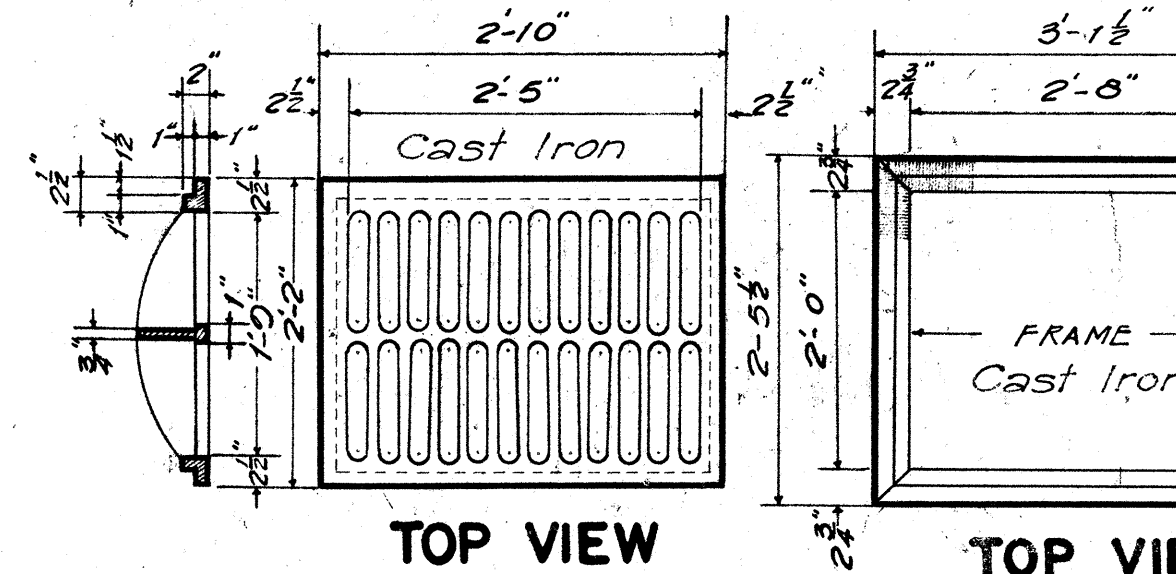
SECTION "A-A"
Scale: 3/8" = 1'-0"



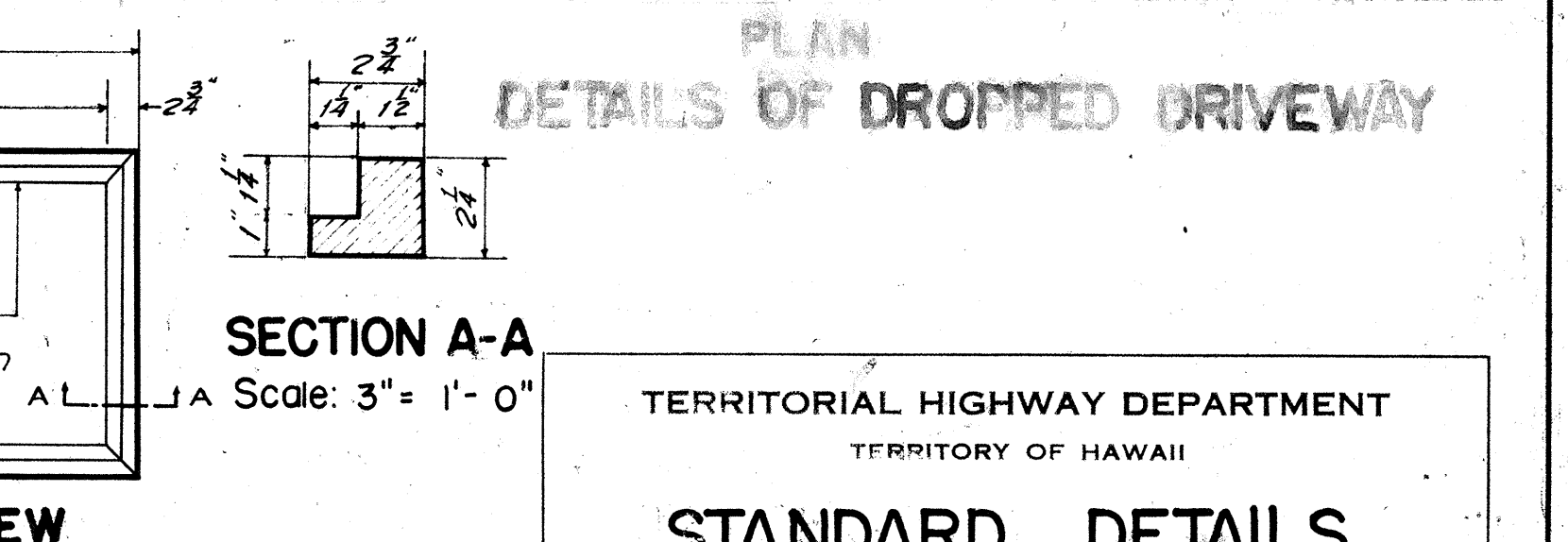
HALF ELEVATION
Scale: 3/4" = 1'-0"



DETAILS OF DROPPED DRIVEWAY
Scale: 1/4" = 1'-0"



TOP VIEW



TOP VIEW

STANDARD C. I. FRAME AND GRATE TYPE "C"
Scale: 3/4" = 1'-0"

NOTE: Stock Pattern from Novelty Foundry-Honolulu

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STANDARD DETAILS

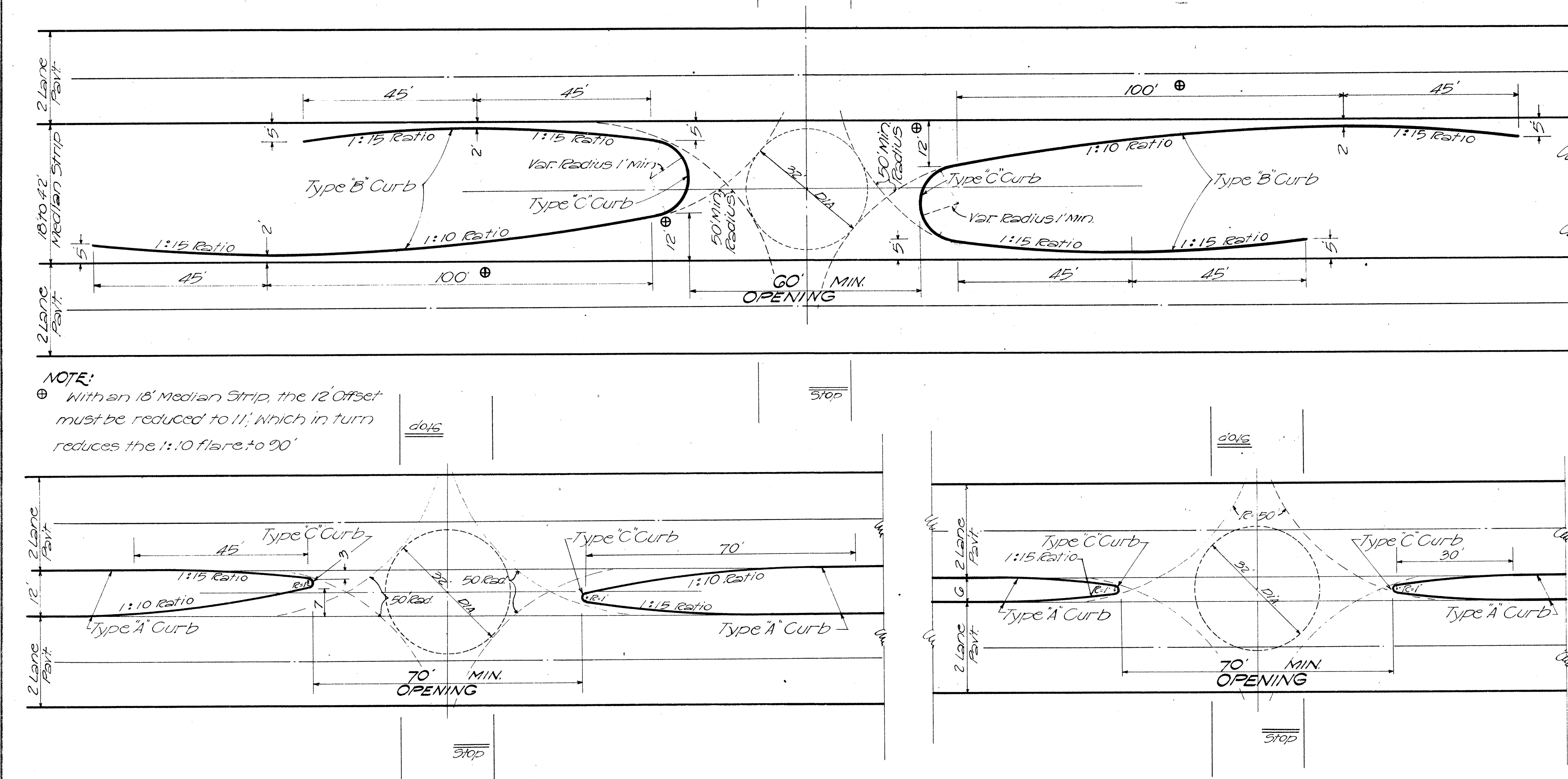
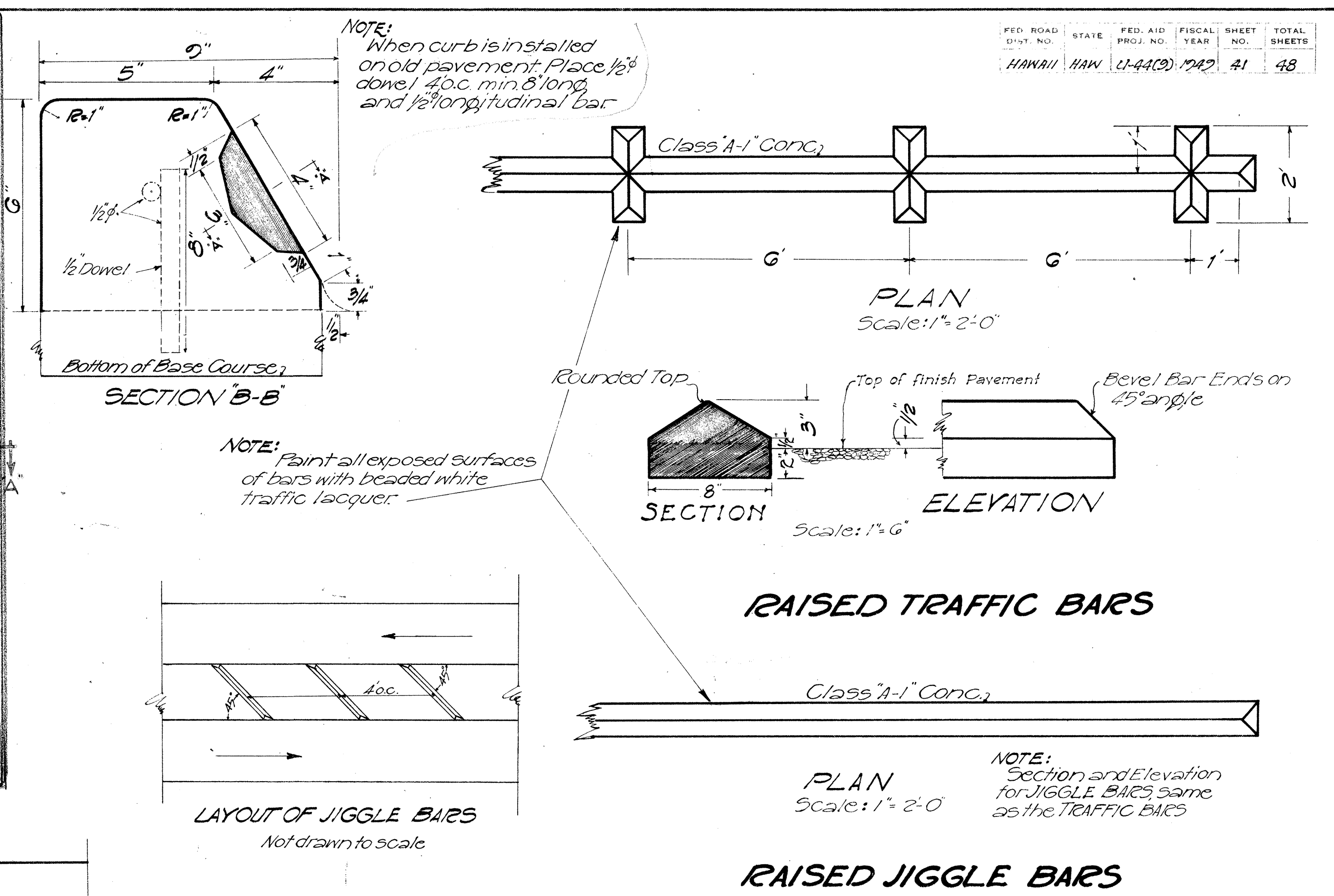
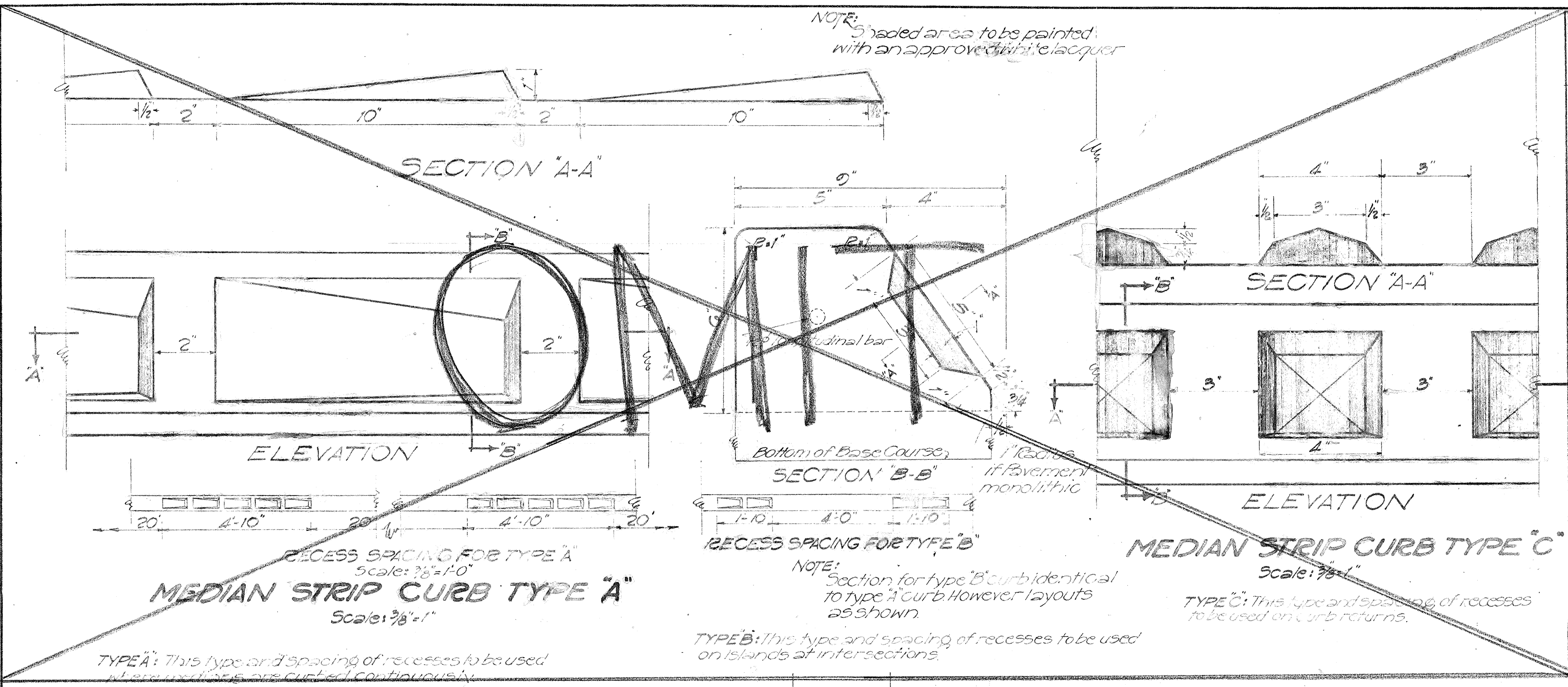
SCALES AS NOTED

APPROVED: *[Signature]*
Territorial Highway Engineer

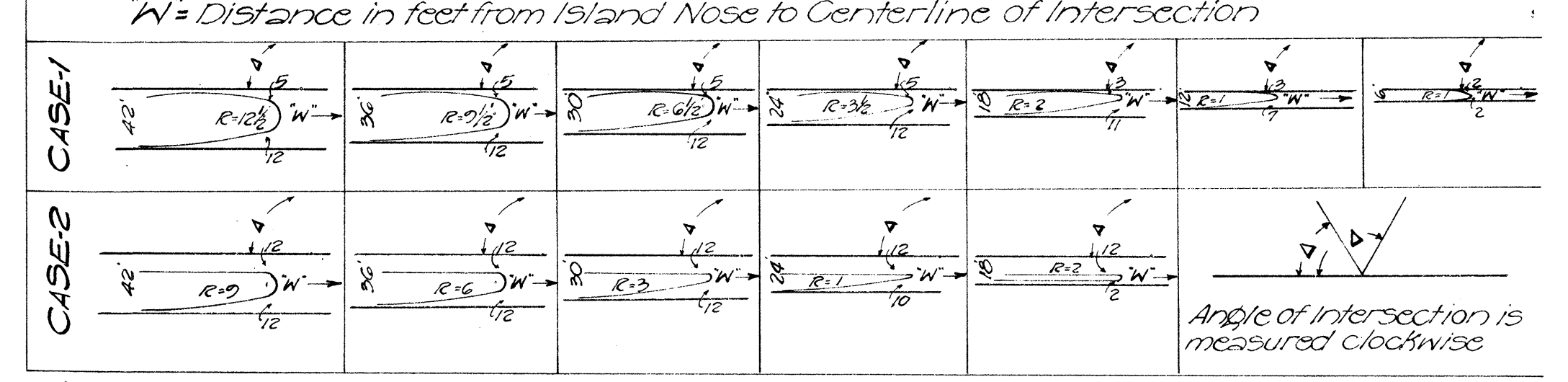
SHEET No. 3 OF 4 SHEETS

DATE: _____
DESIGNED BY: _____
TRACED BY: S. Nambu
QUANTITIES BY: _____
CHECKED BY: _____
No. _____

5420.40



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	54	58	62	66	70
65°	48	52	56	60	64	68	72	48	52	56	60	64
70°	42	46	50	54	58	62	66	42	46	50	54	58
75°	36	40	44	48	52	56	60	36	40	44	48	52
80°	32	36	40	44	48	52	56	32	36	40	44	48
85°	30	34	38	42	46	50	54	30	34	38	42	46
90°	30	30	30	30	30	30	30	30	30	30	30	30
95°	30	32	34	36	38	40	42	30	32	34	36	38
100°	30	30	30	30	30	30	30	30	30	30	30	30
105°	30	30	30	30	30	30	30	30	30	30	30	30
110°	30	30	30	30	30	30	30	30	30	30	30	30
115°	30	30	30	30	30	30	30	30	30	30	30	30
120°	44	58	62	66	70	74	78	44	58	62	66	70



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

STANDARD DETAILS

Scale as shown Date 9-2-42

APPROVED *[Signature]*
TERRITORIAL HIGHWAY ENGINEER

SHEET No 4 OF 4 SHEETS