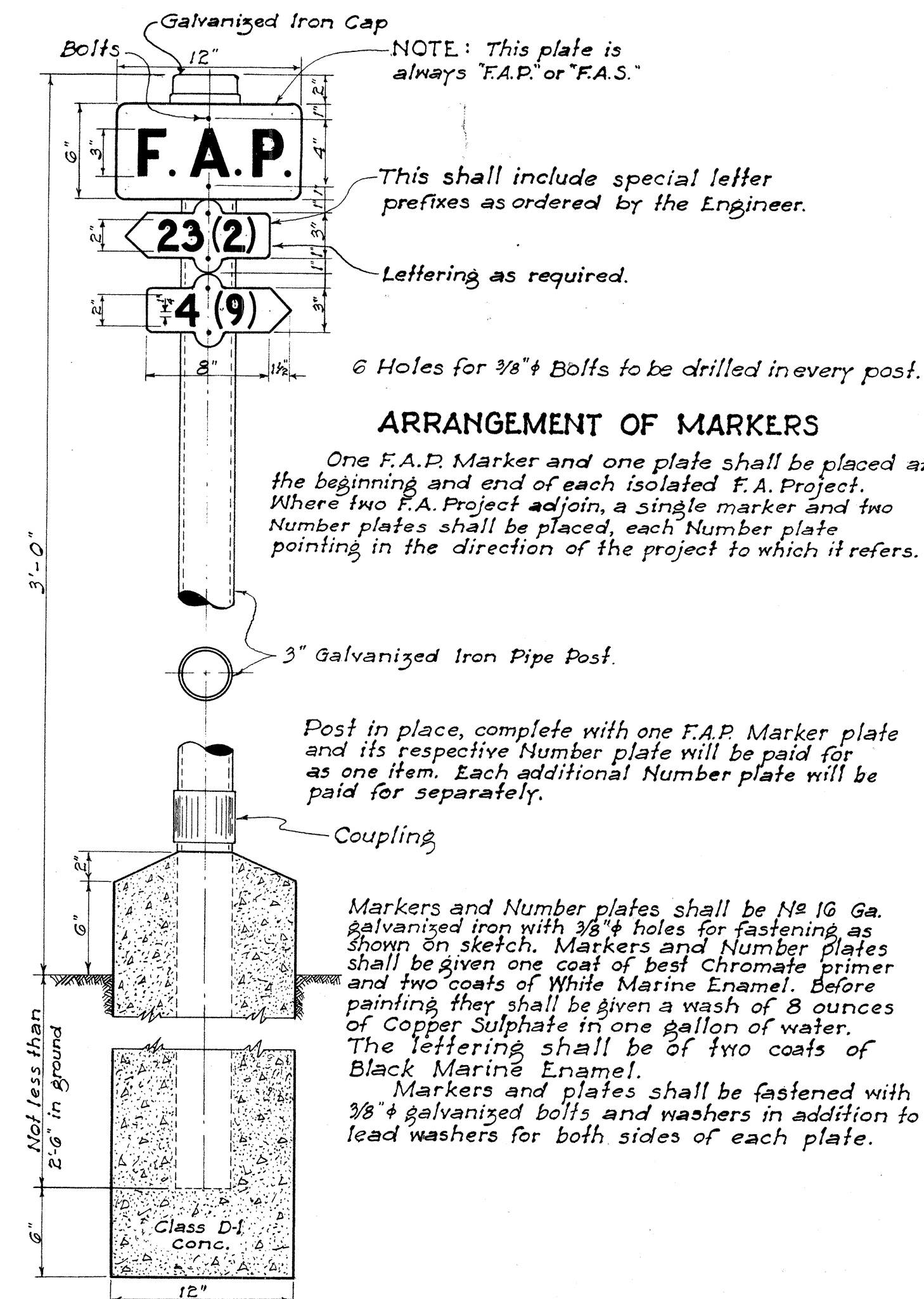
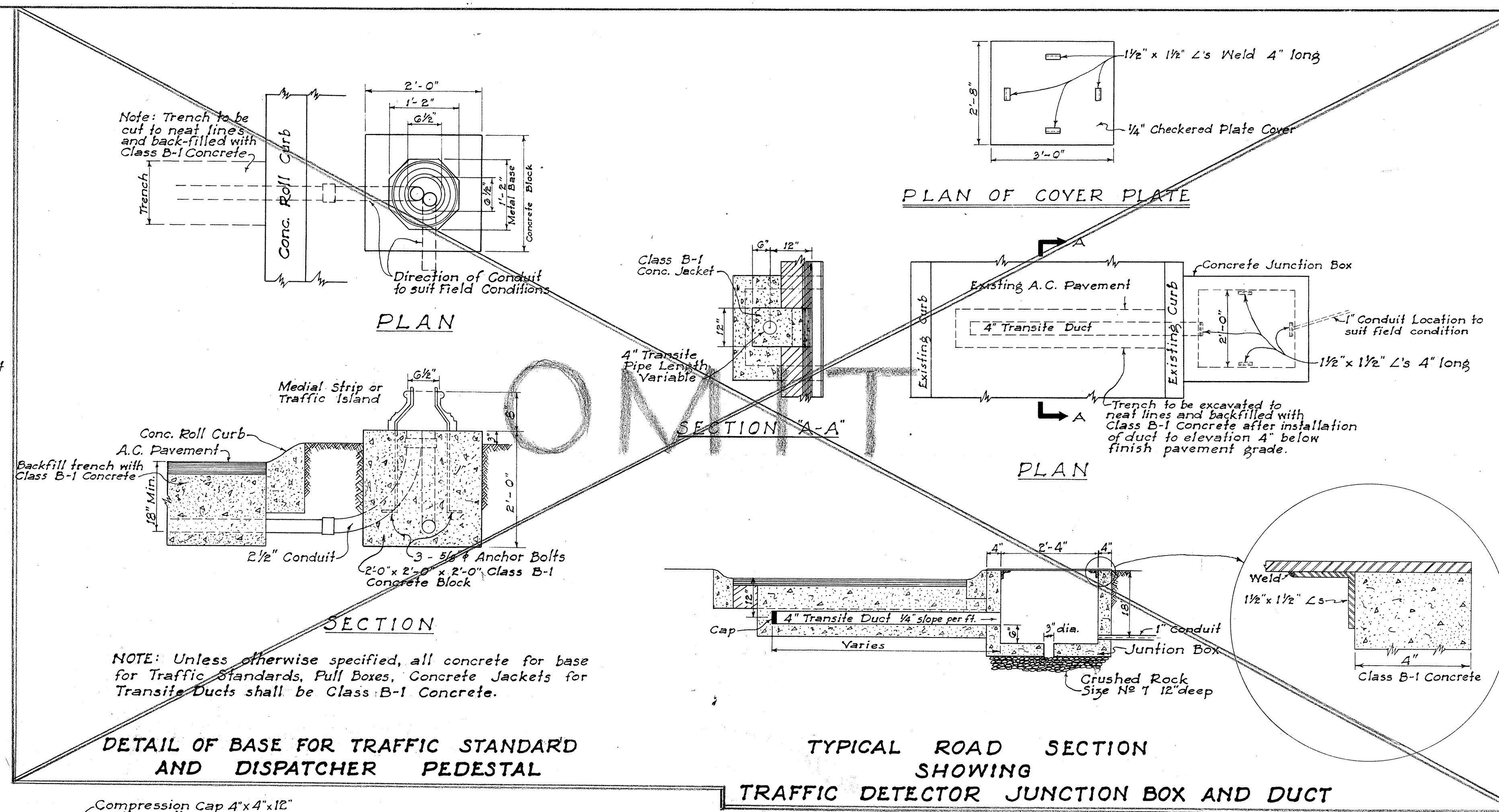
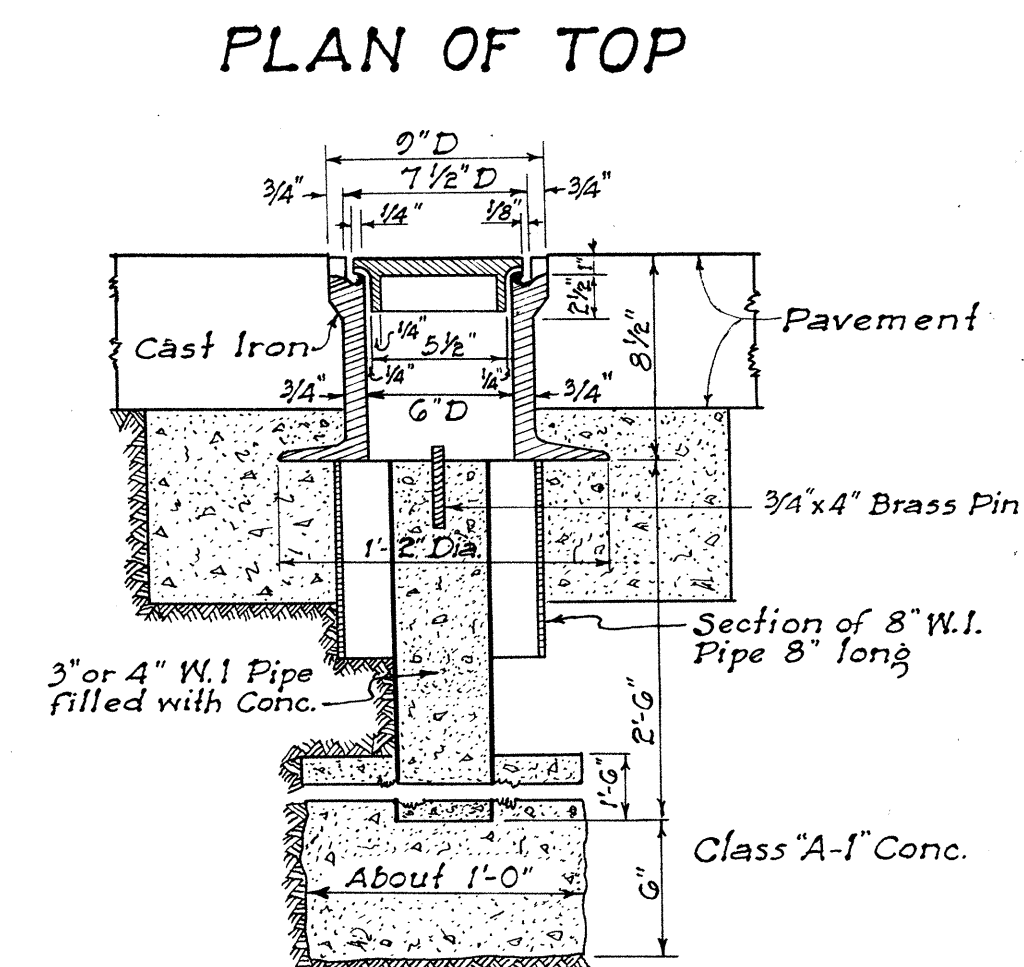




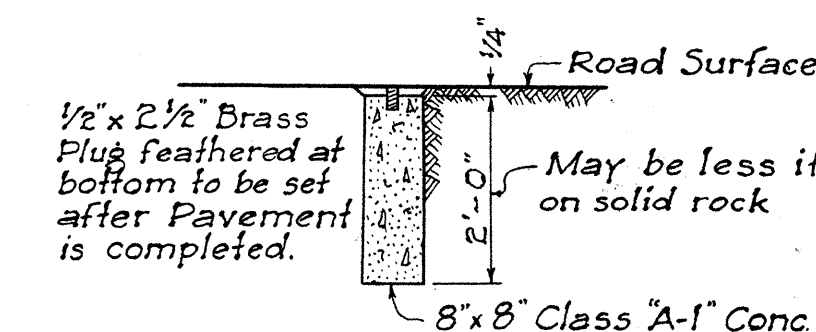
FEDERAL AID MARKER
Scale: 1½" = 1'-0"



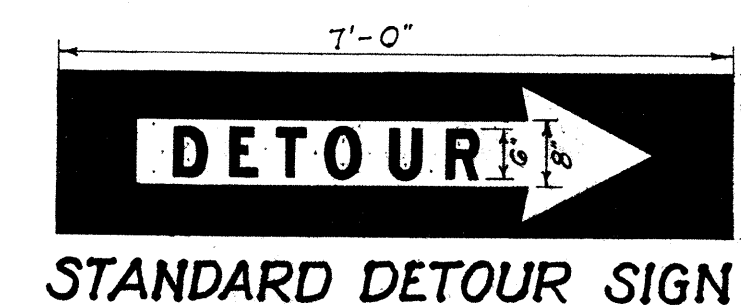
TYPICAL ROAD SECTION
SHOWING
TRAFFIC DETECTOR JUNCTION BOX AND DUCT



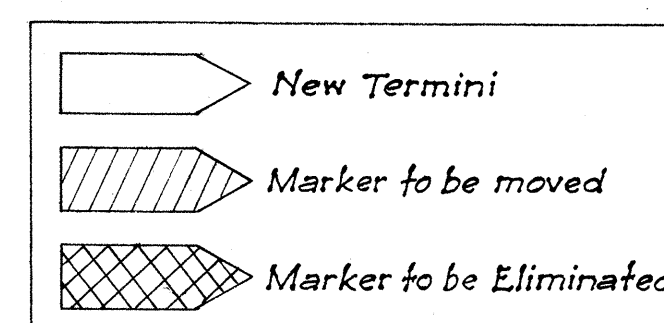
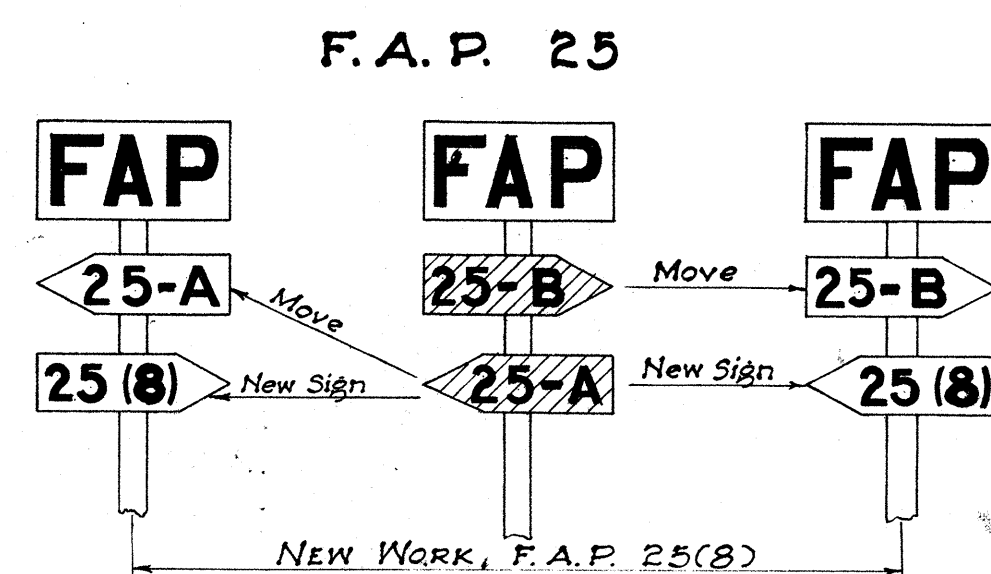
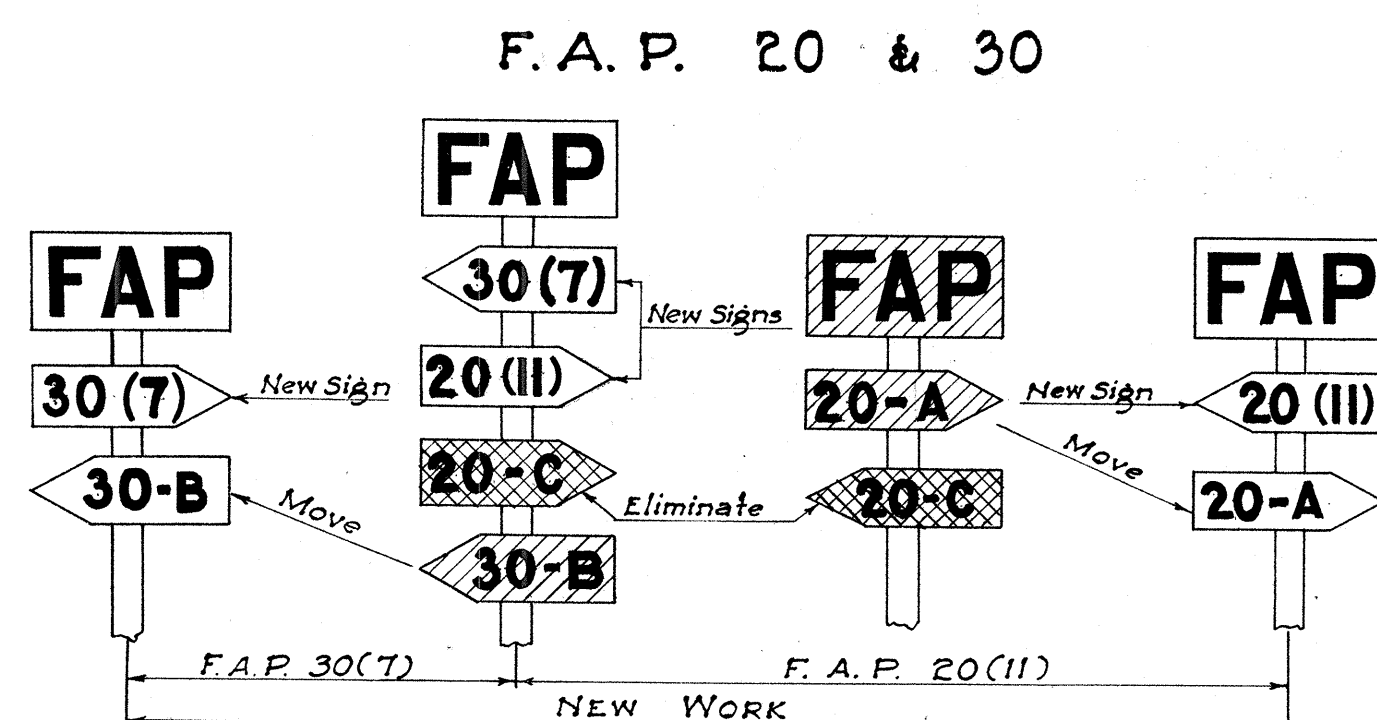
STANDARD C&C STREET
SURVEY MONUMENT



CENTER LINE MONUMENT
Scale: $\frac{1}{2}" = 1' - 0"$



STANDARD DETOUR SIGN

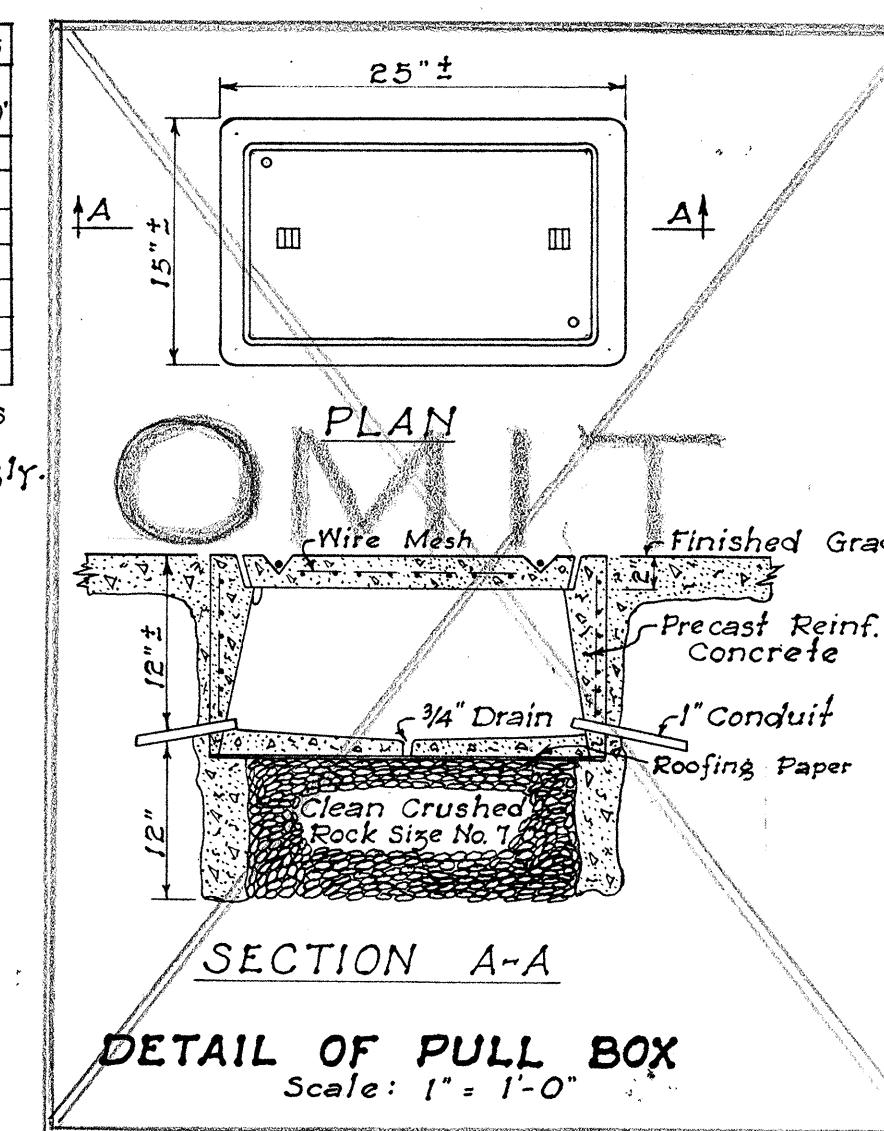


NOTE: Federal Aid Markers should be placed at the termini of suffix designated sections. Intermediate letter designated markers

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



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

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'	Over 30'
42	38 3/8	—	—	—	4	—
44	44 3/8	—	—	—	4	—
50	50	—	—	—	4	—
62	57 1/4	—	—	—	4	—
72	63 5/8	—	—	—	5	3.5
78	69 3/8	—	—	—	4.5	3.5
84	76 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.

**STRUTTING DIAGRAM & TABLE
FOR
CORRUGATED METAL PIPE CULVERT**

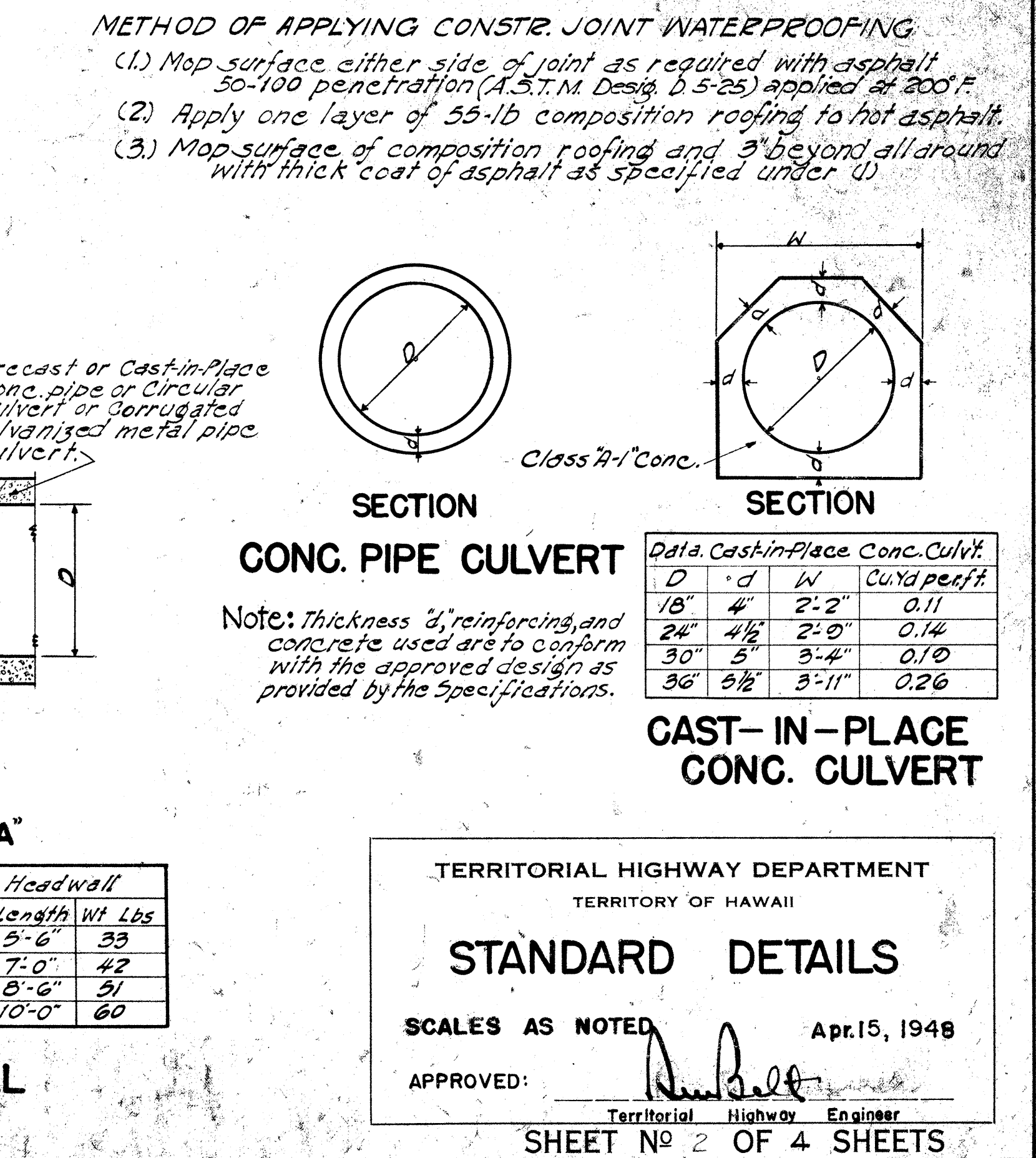
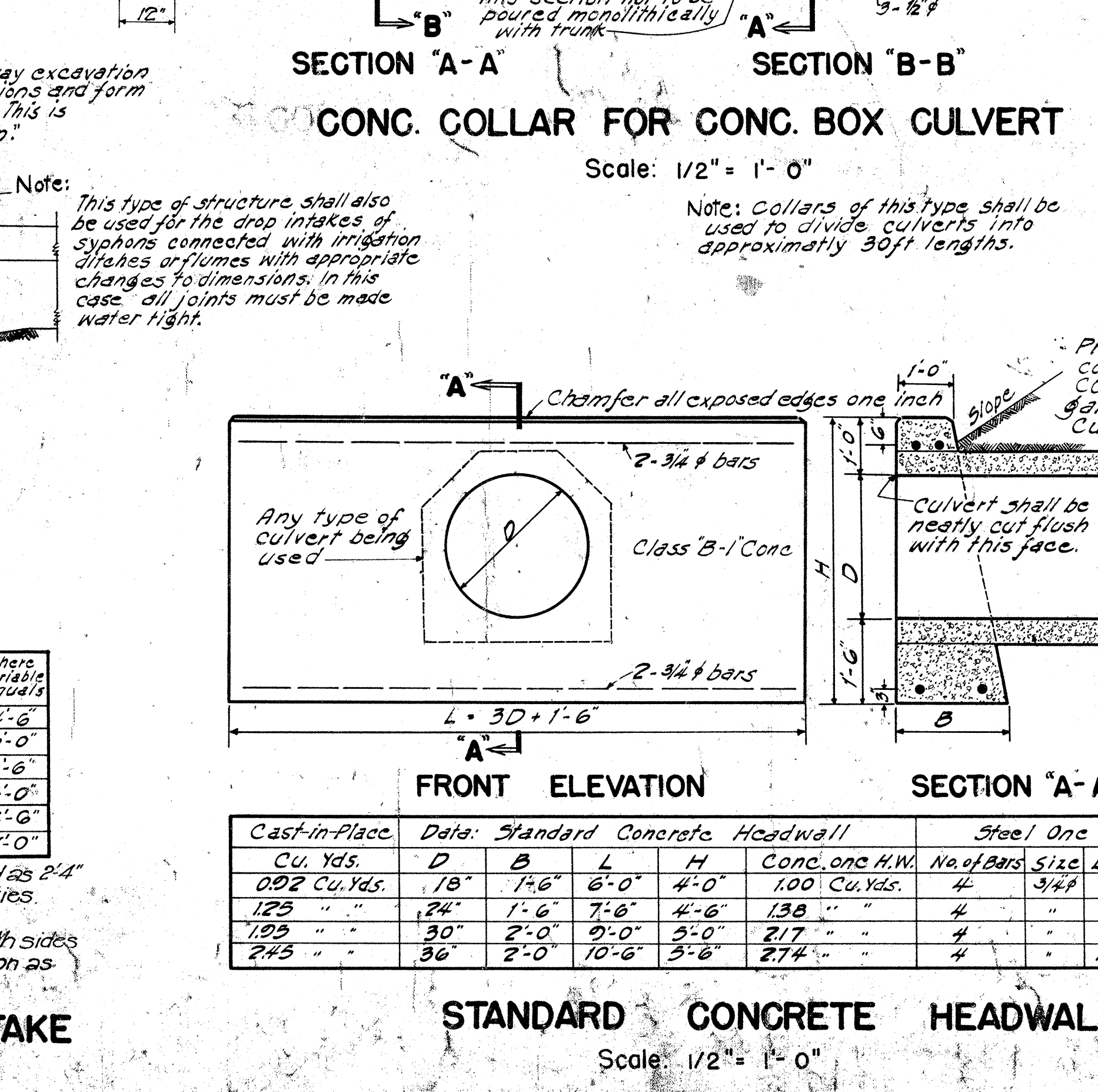
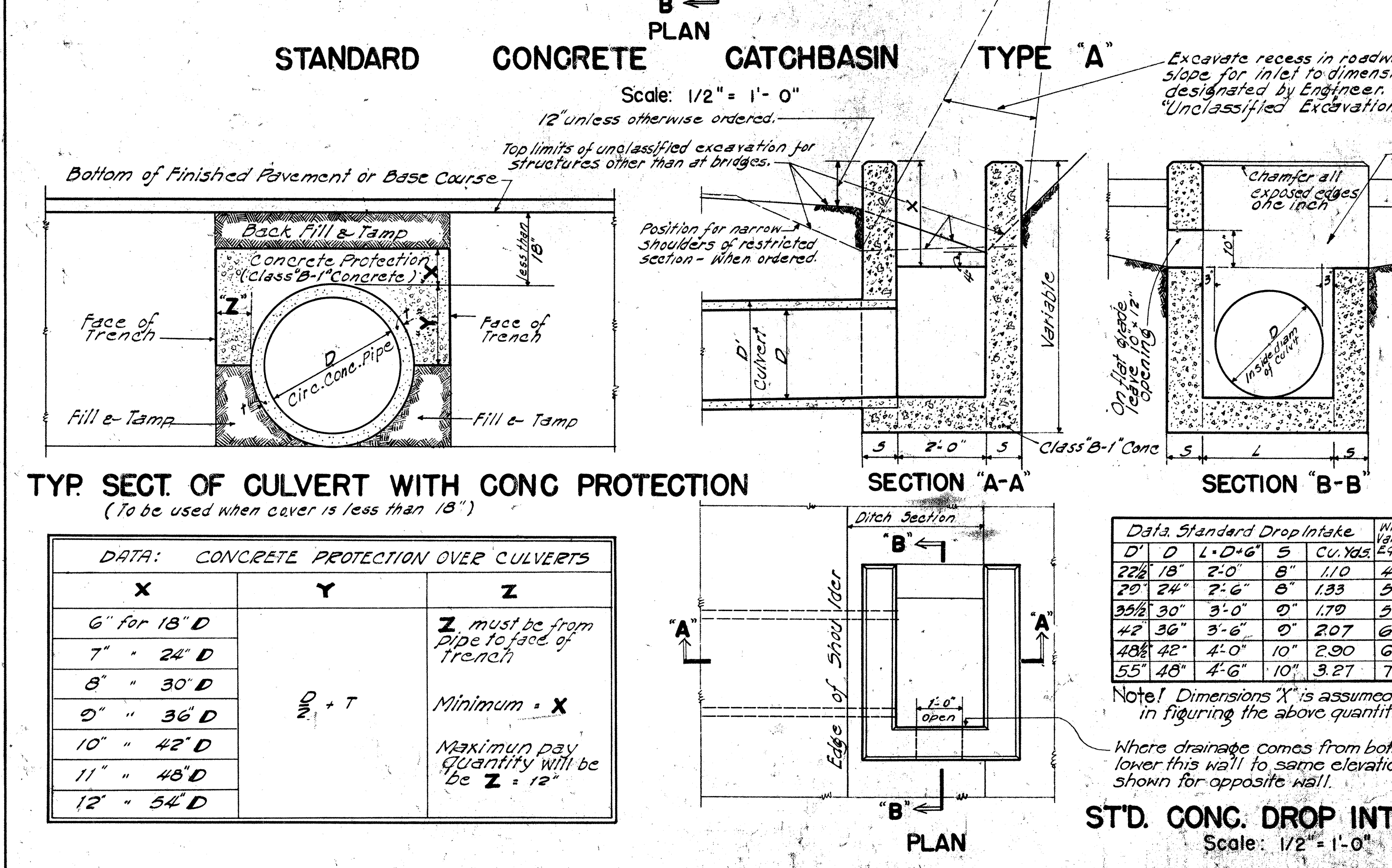
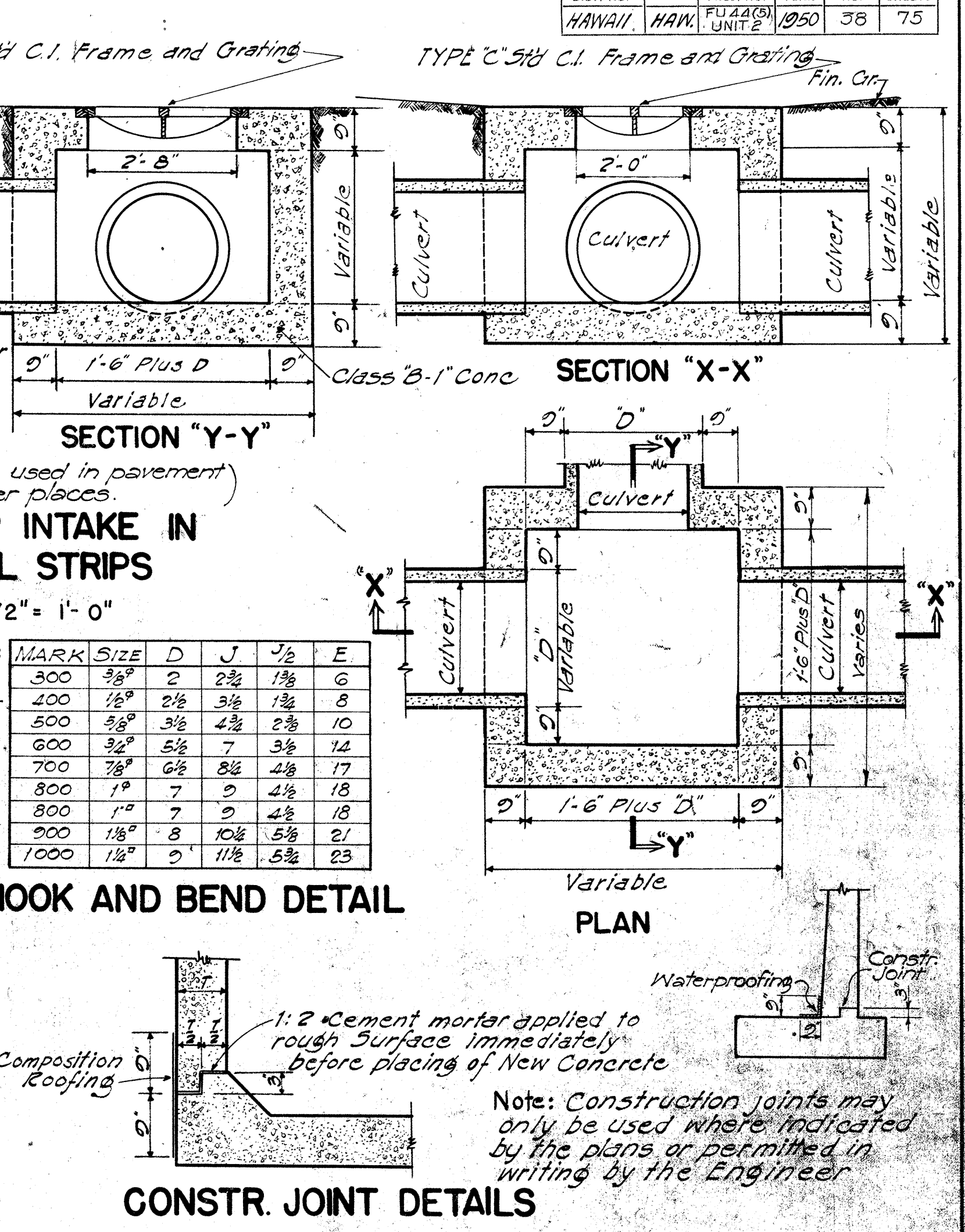
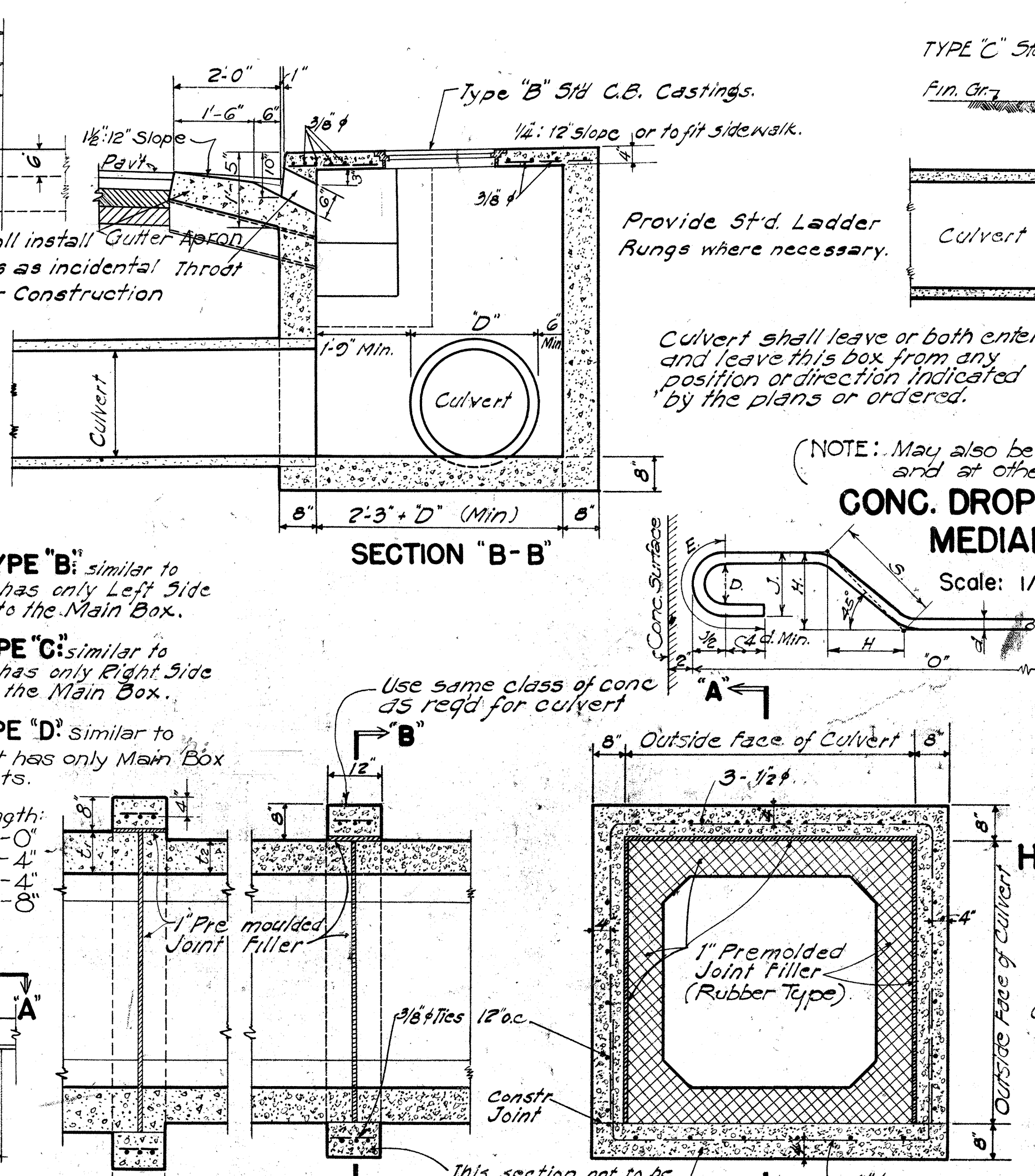
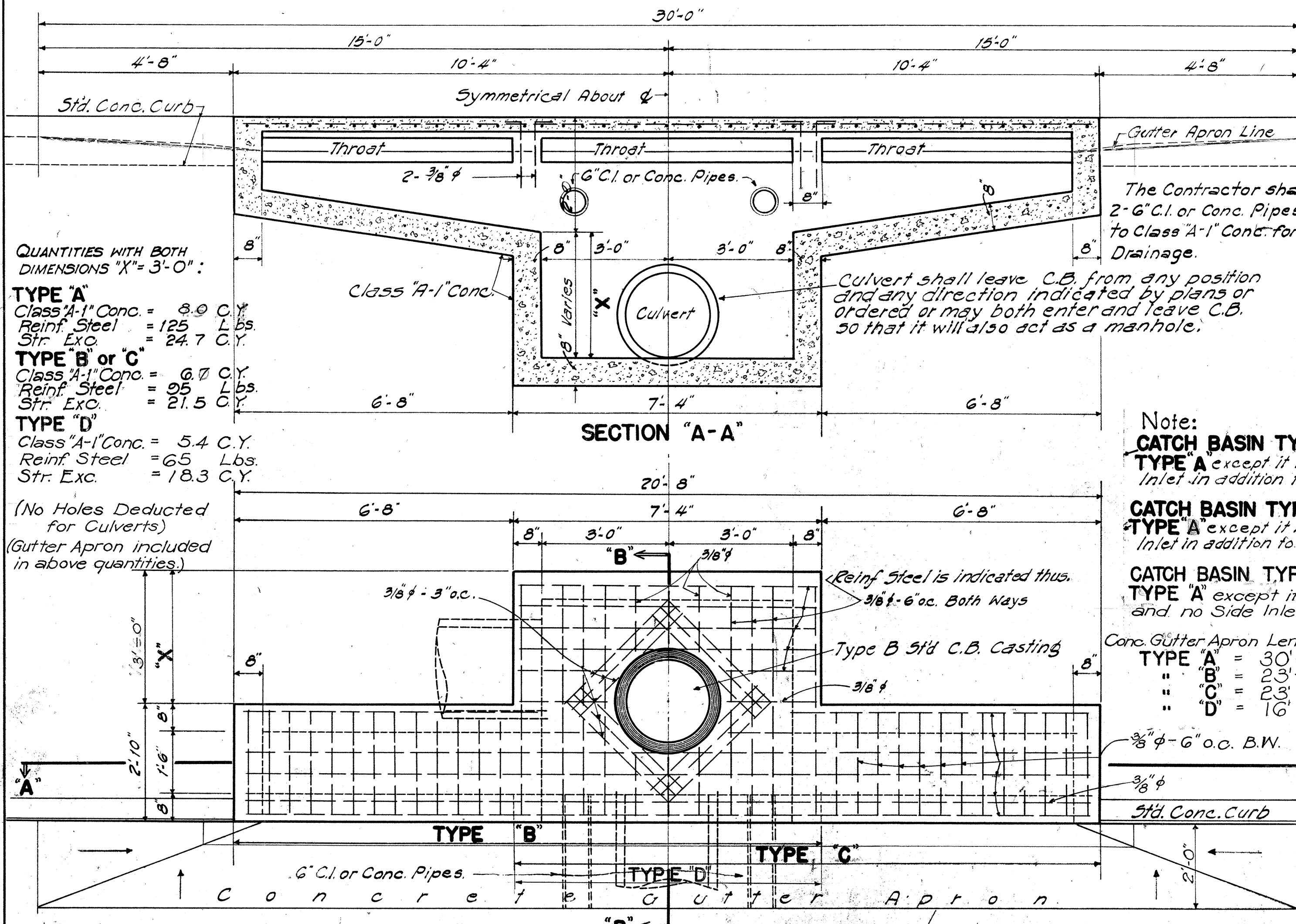
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

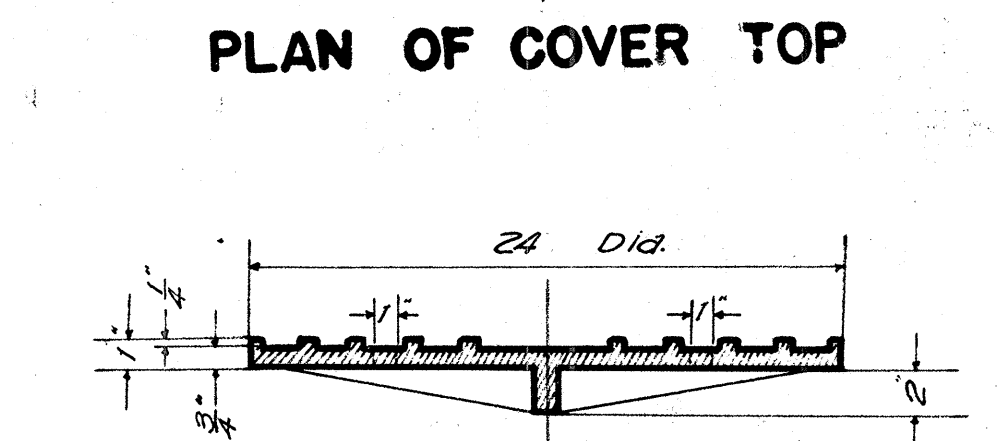
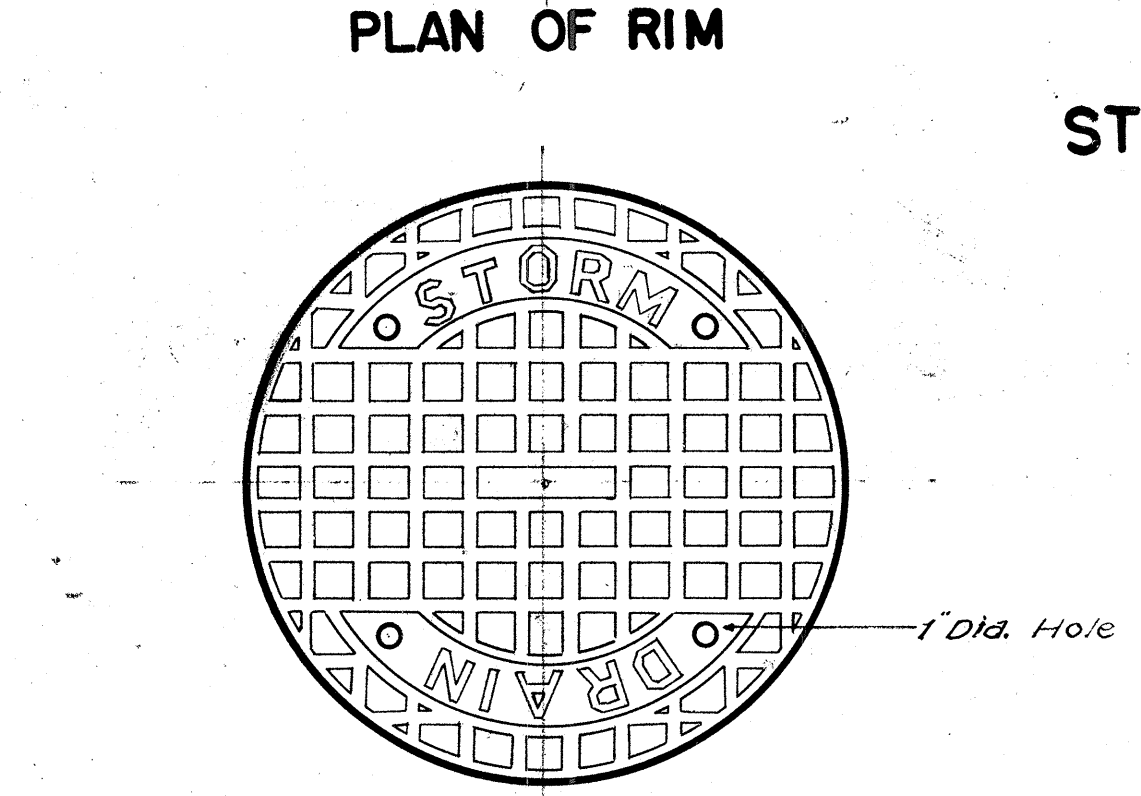
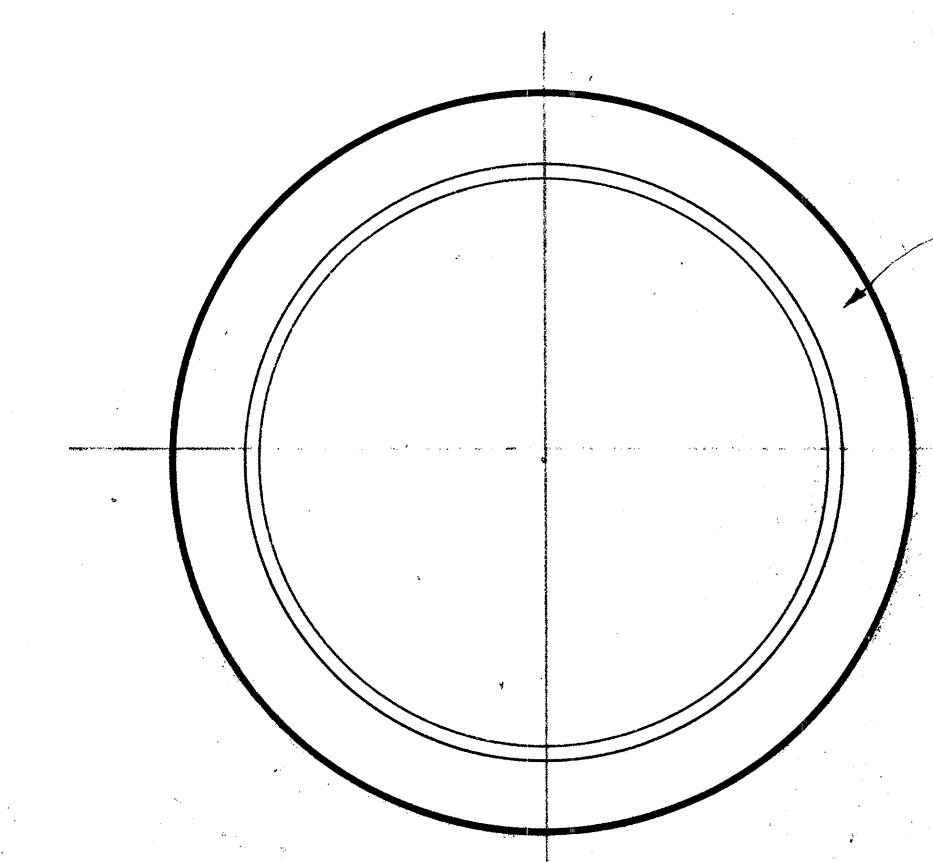
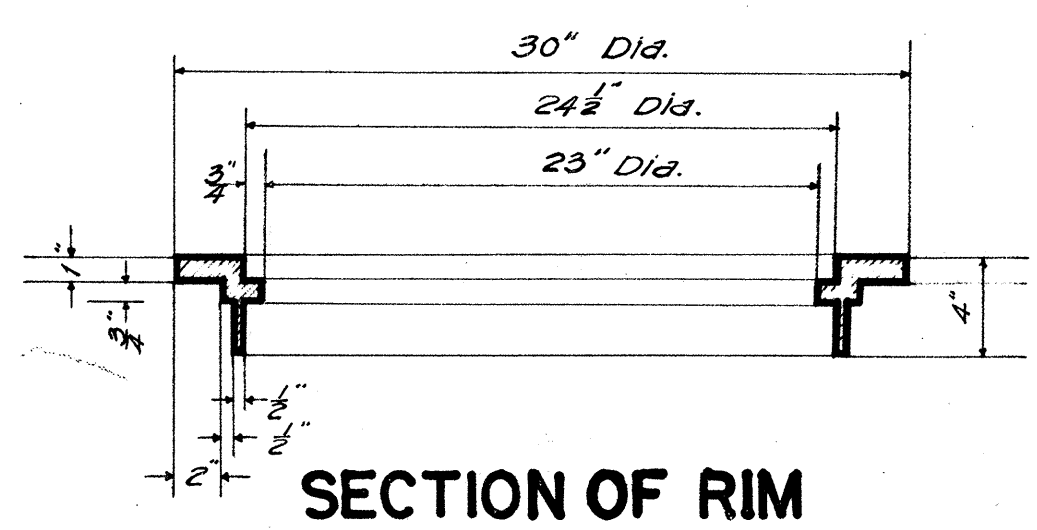
STANDARD DETAILS

SCALES, AS NOTED May 31, 1949

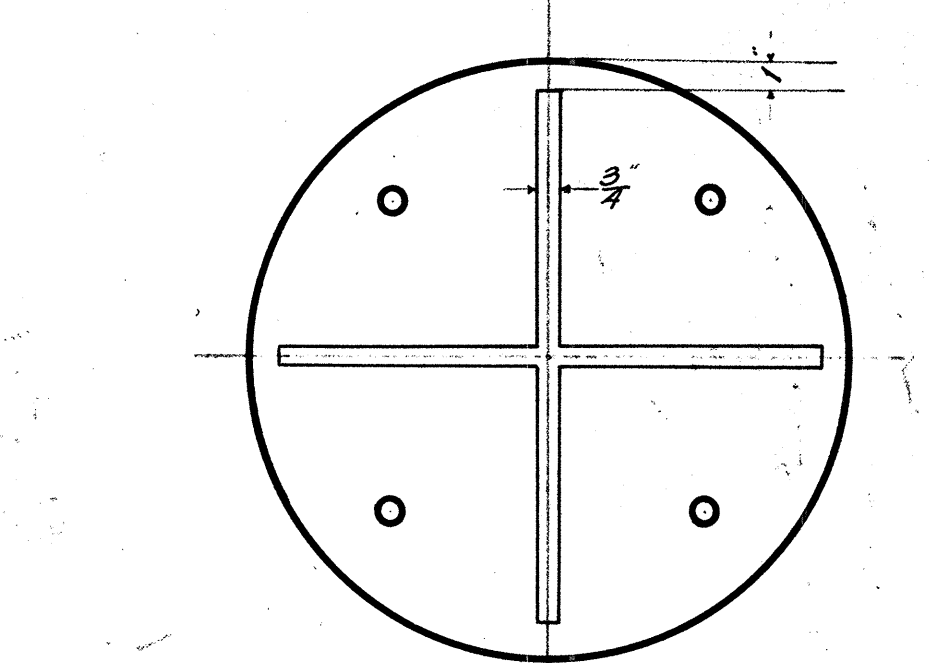
APPROVED: Wm. Selt
Territorial Highway Engineer

SHEET No 1 OF 4 SHEETS

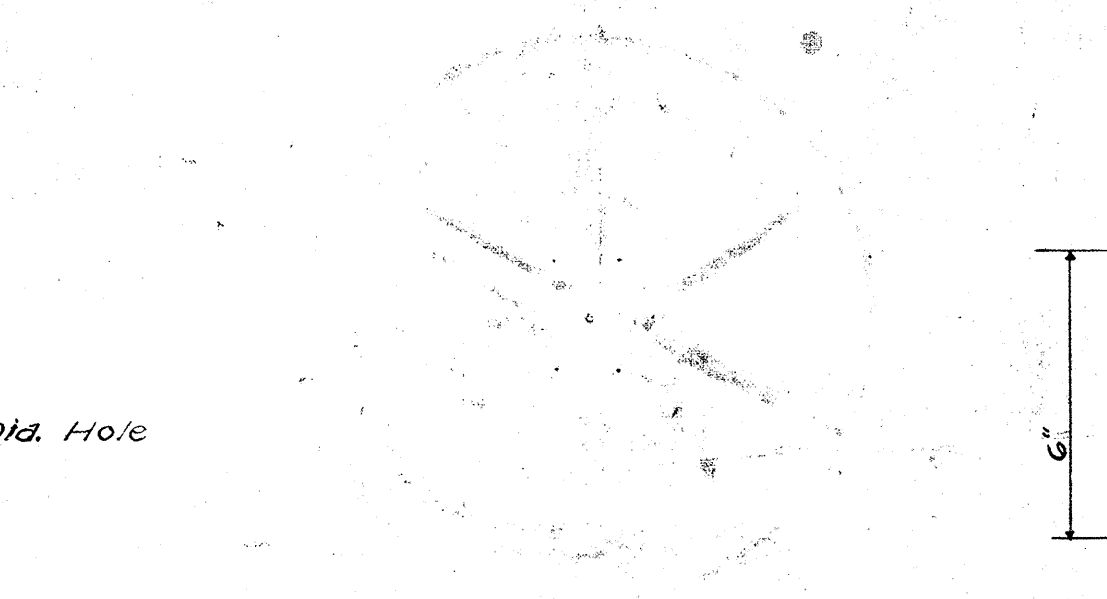
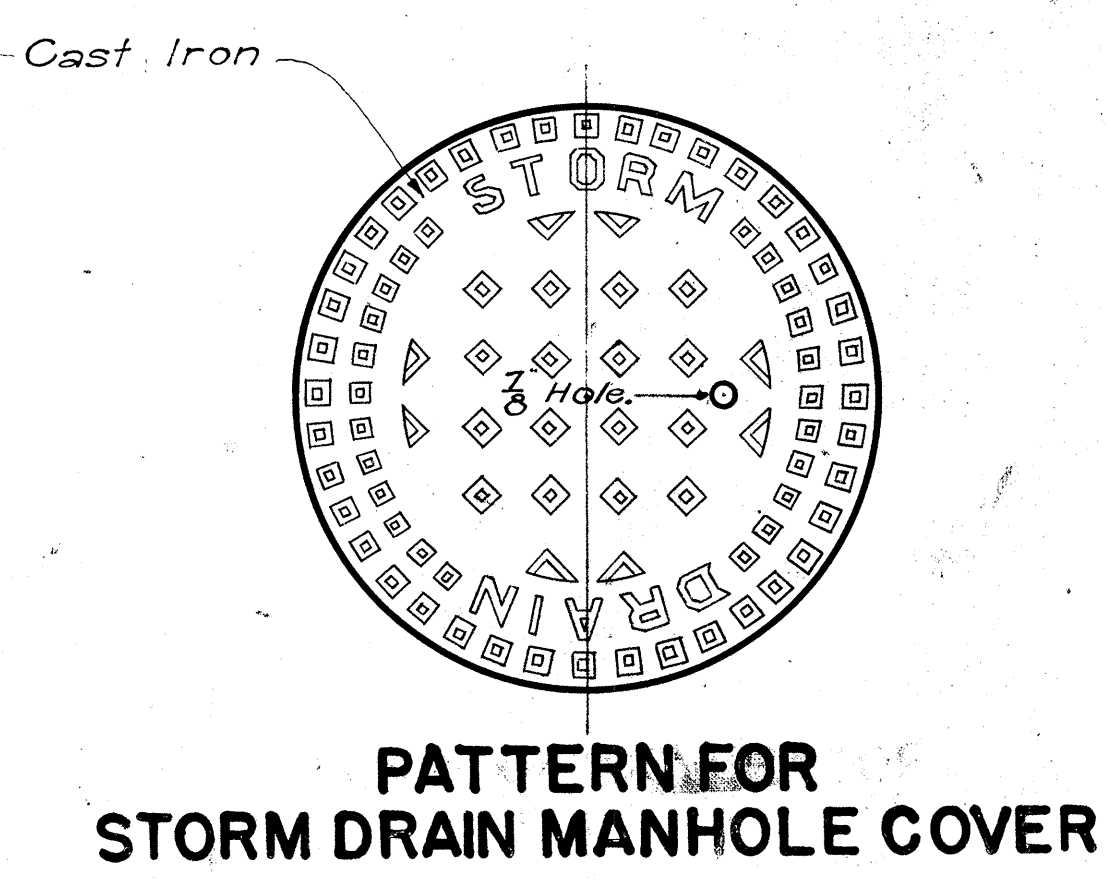




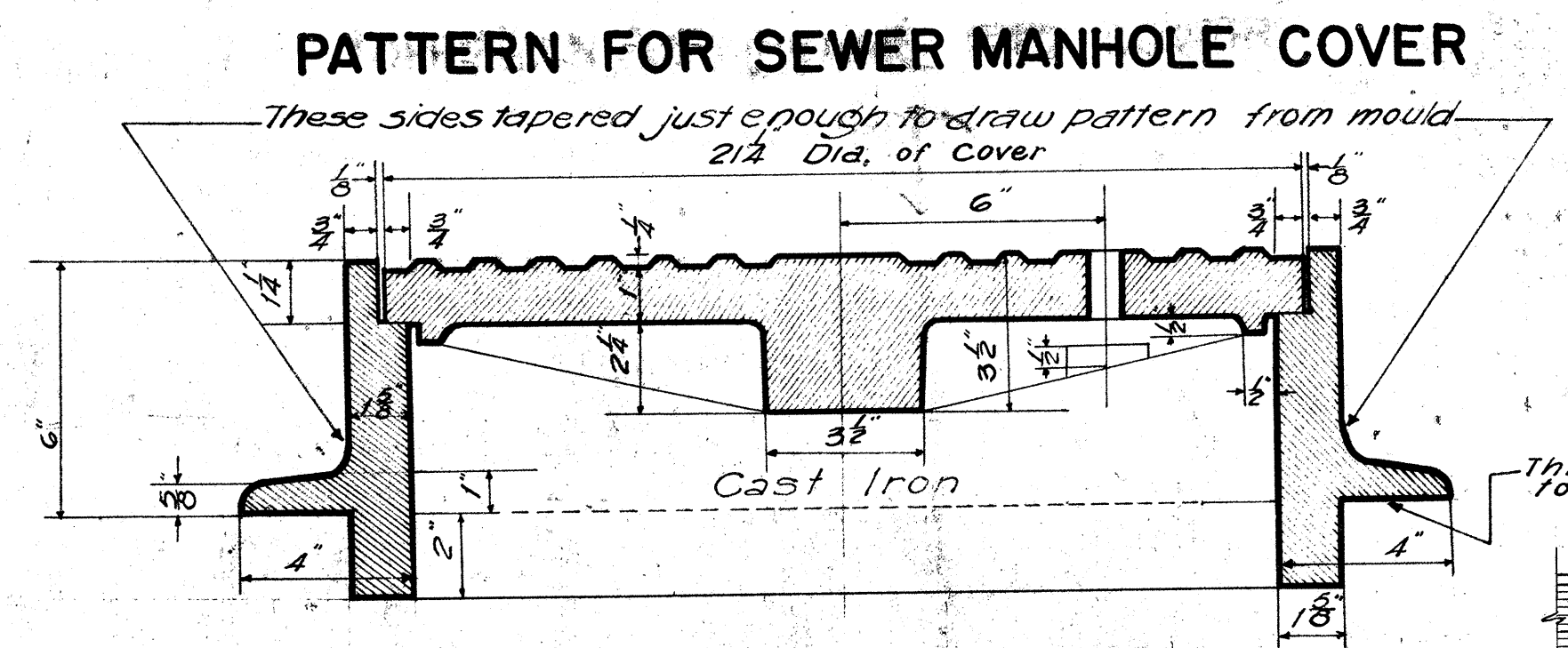
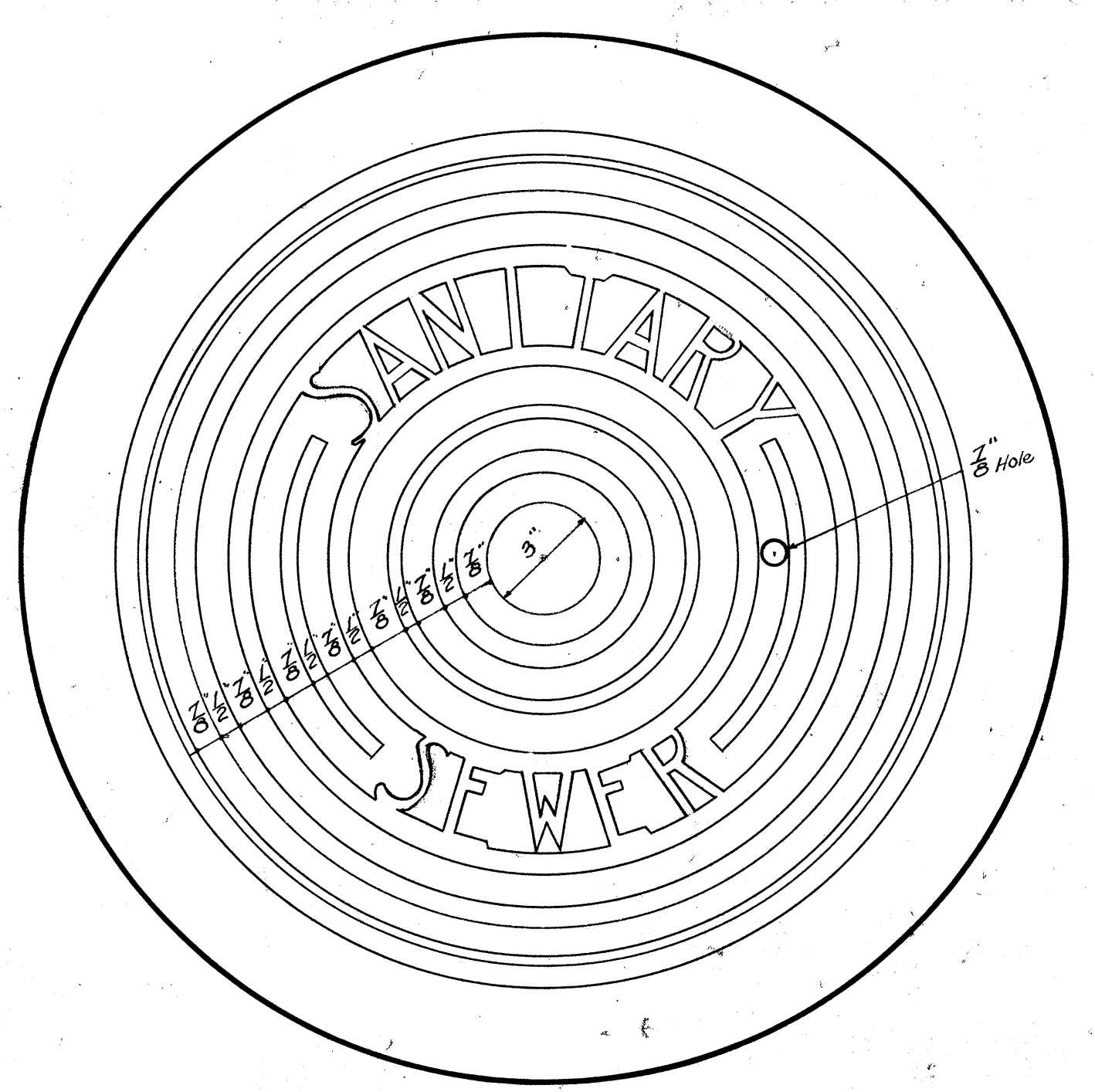
SECTION OF COVER
NOTE: A unit includes both Rim and Cover



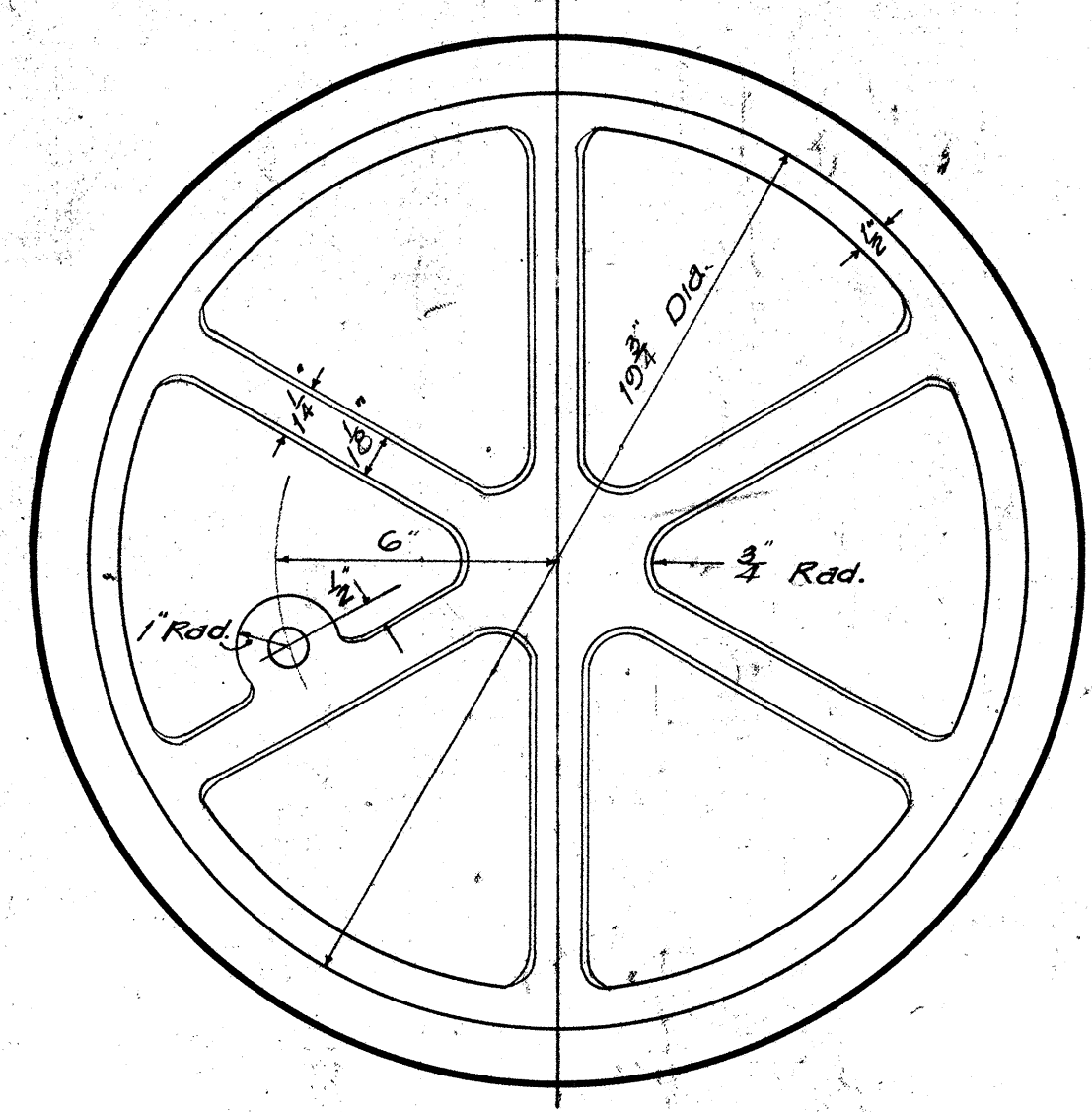
STANDARD CATCH BASIN CASTINGS
Scale: 1-1/2" = 1'-0"



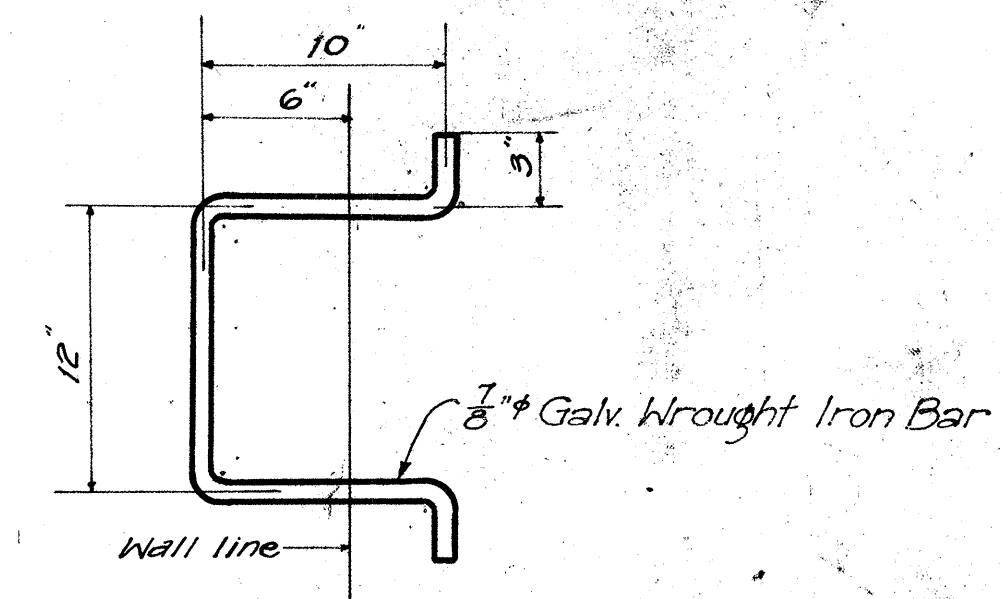
NOTE: The pattern for water manhole covers shall be the same as for sanitary sewer shown below except that the word "Water" shall be substituted for "Sanitary Sewer."



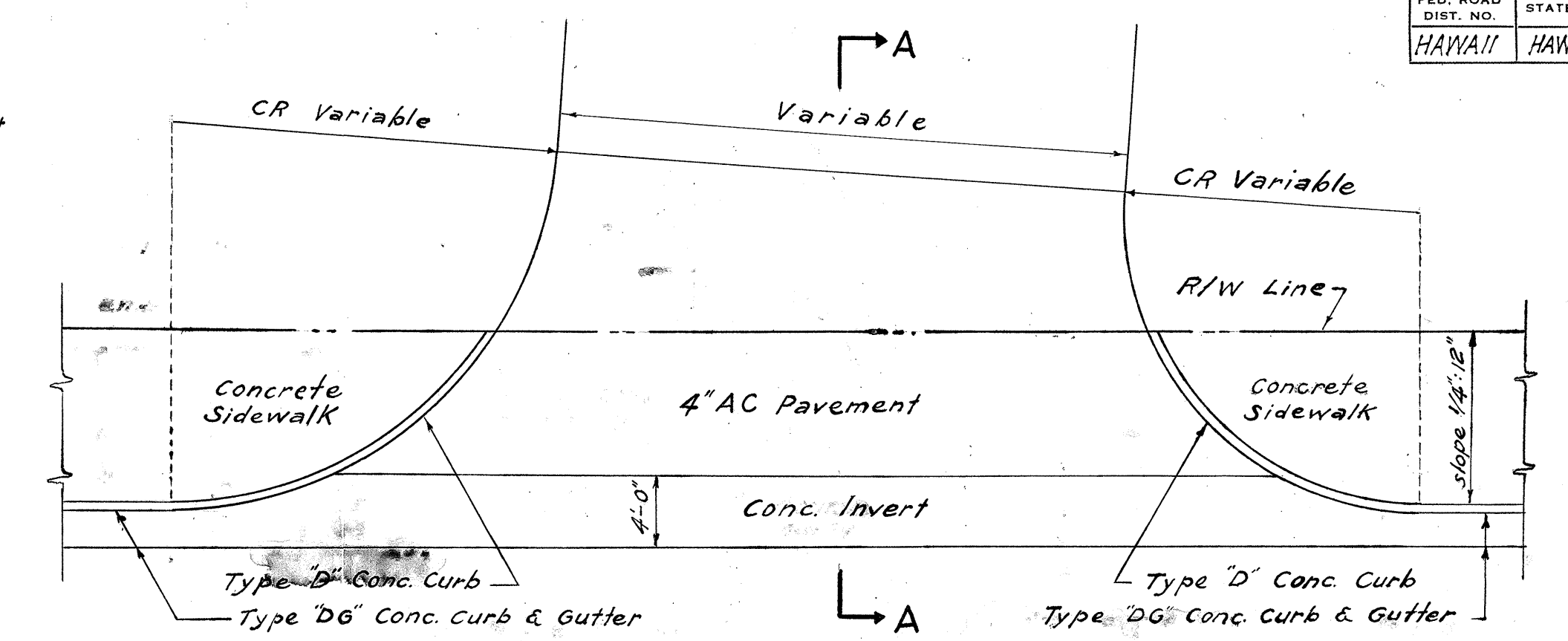
SECTION
NOTE: A unit includes both Frame and Cover



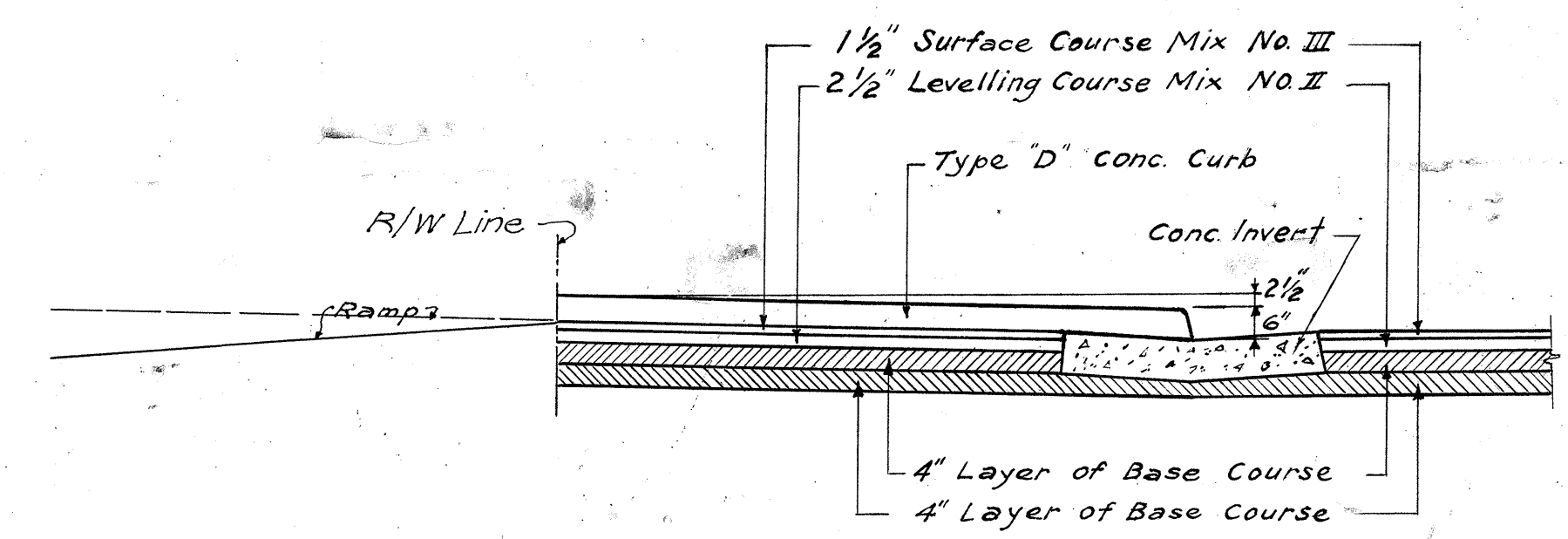
STANDARD MANHOLE CASTINGS
Scale: 3" = 1'-0"



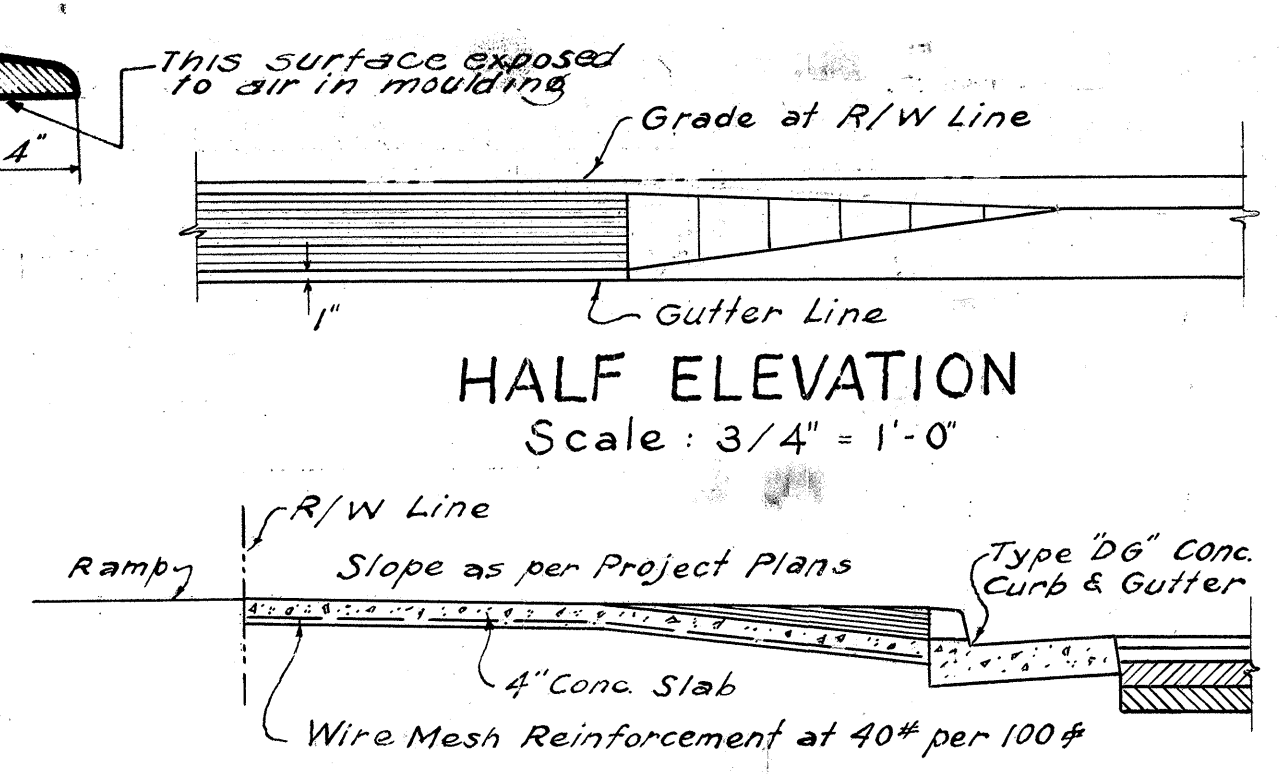
DETAIL OF MANHOLE RUNG
Scale: 1-1/2" = 1'-0"



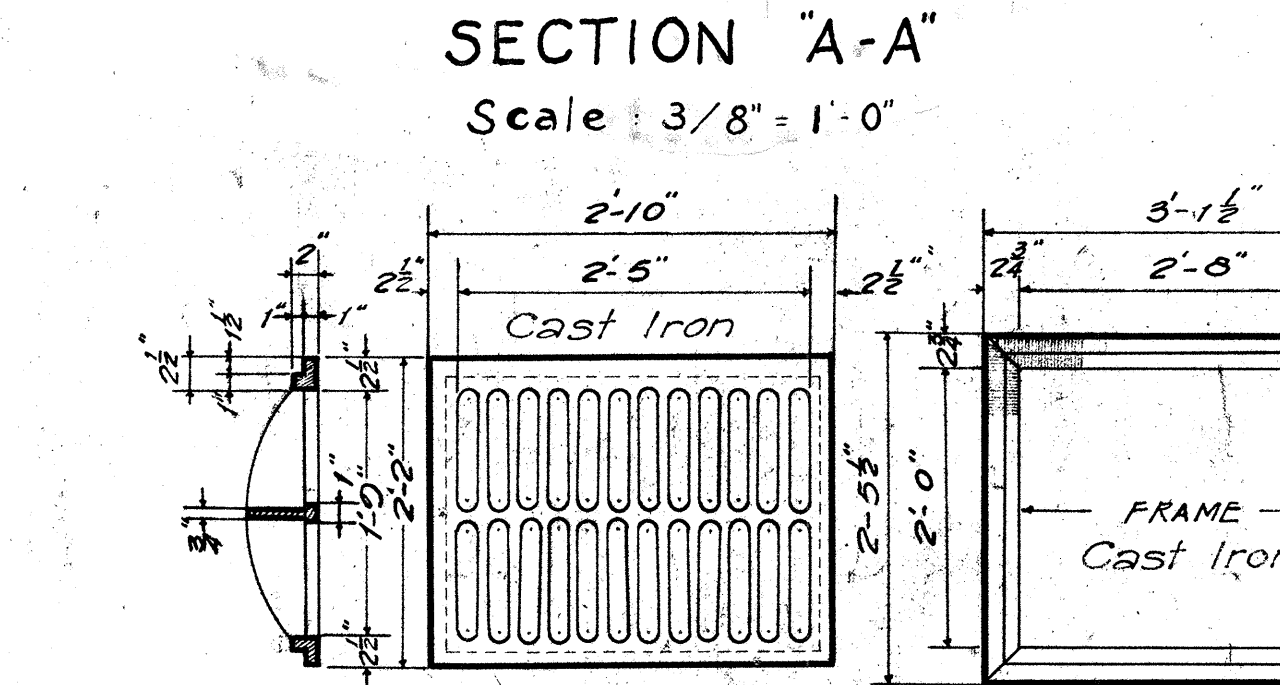
DETAIL OF ACCESS DRIVEWAY
Scale: 1/8" = 1'-0"



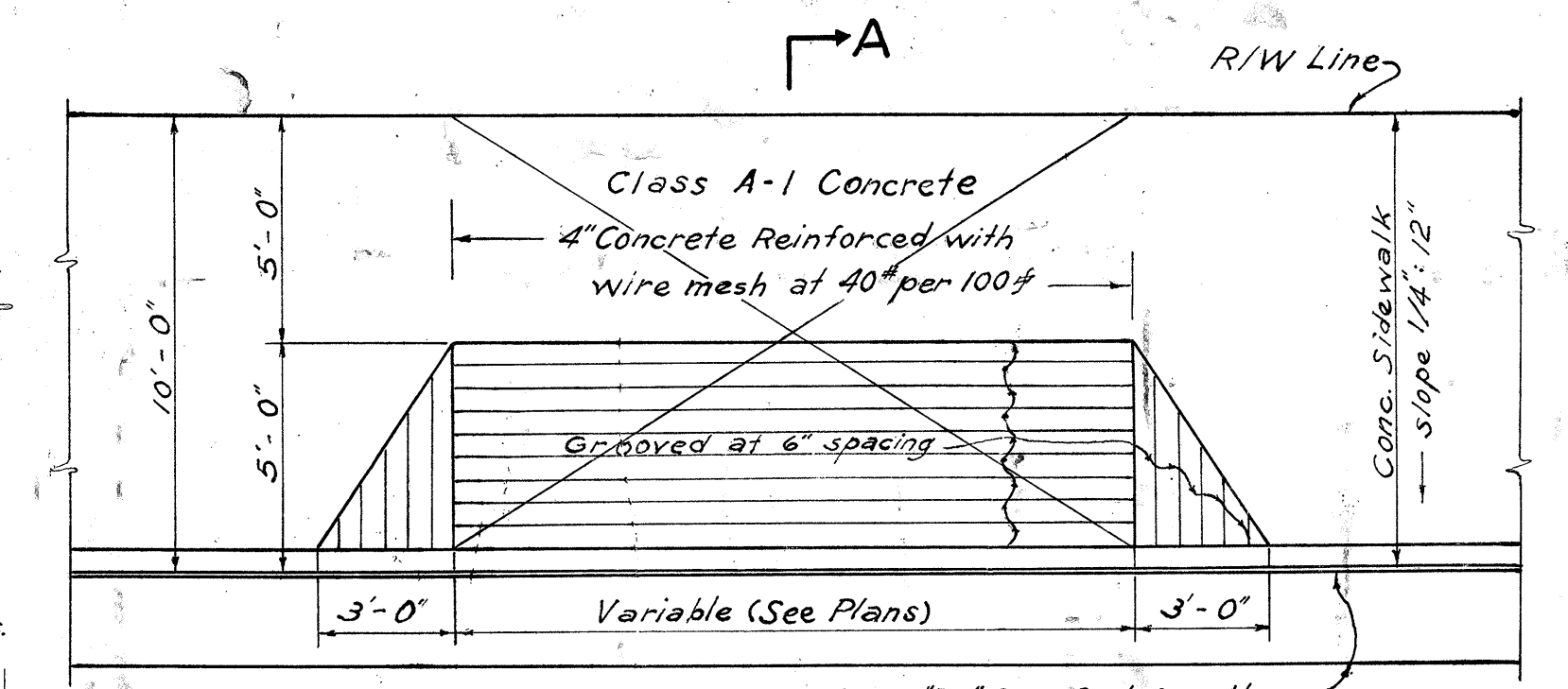
SECTION \"A-A\"
Scale: 3/8" = 1'-0"



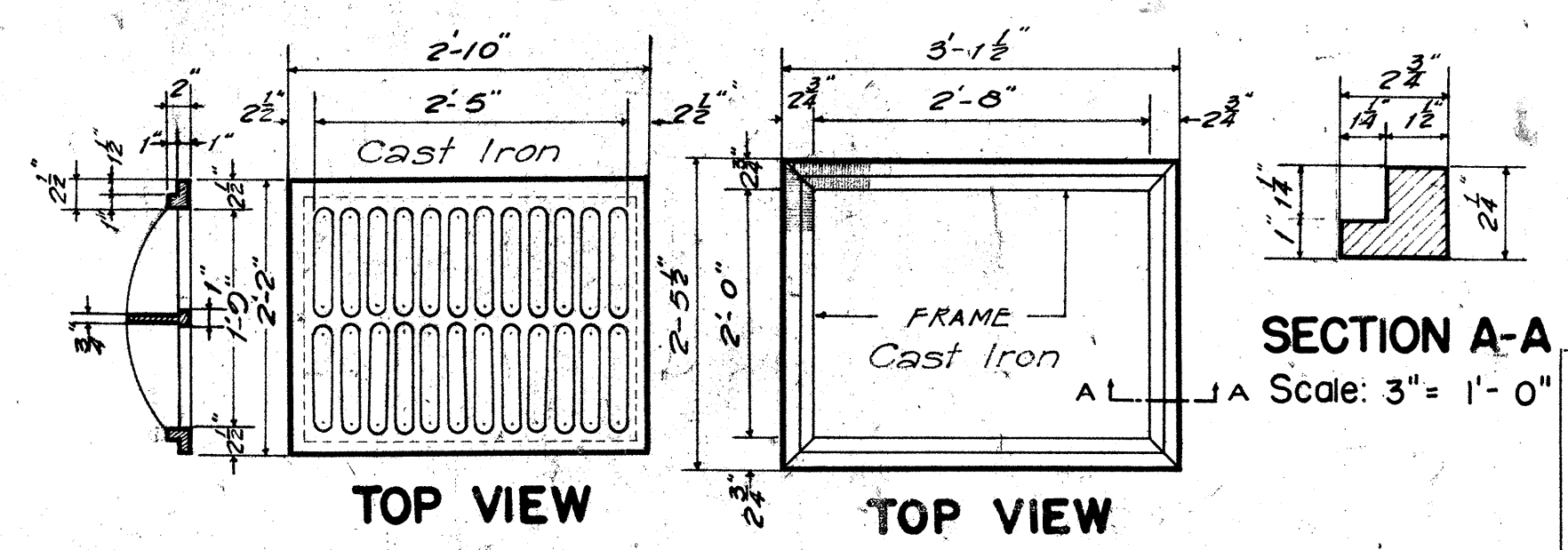
HALF ELEVATION
Scale: 3/4" = 1'-0"



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

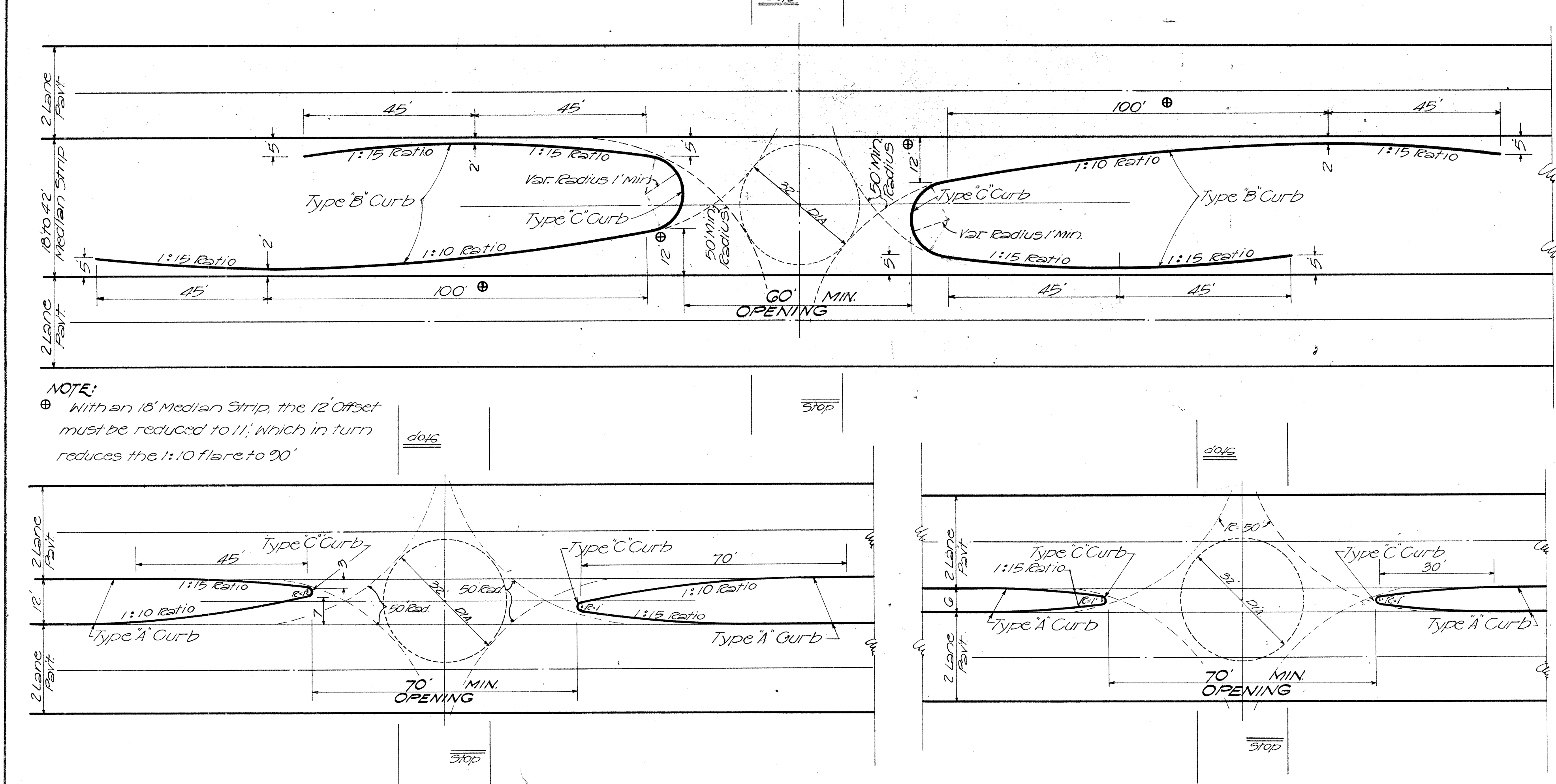
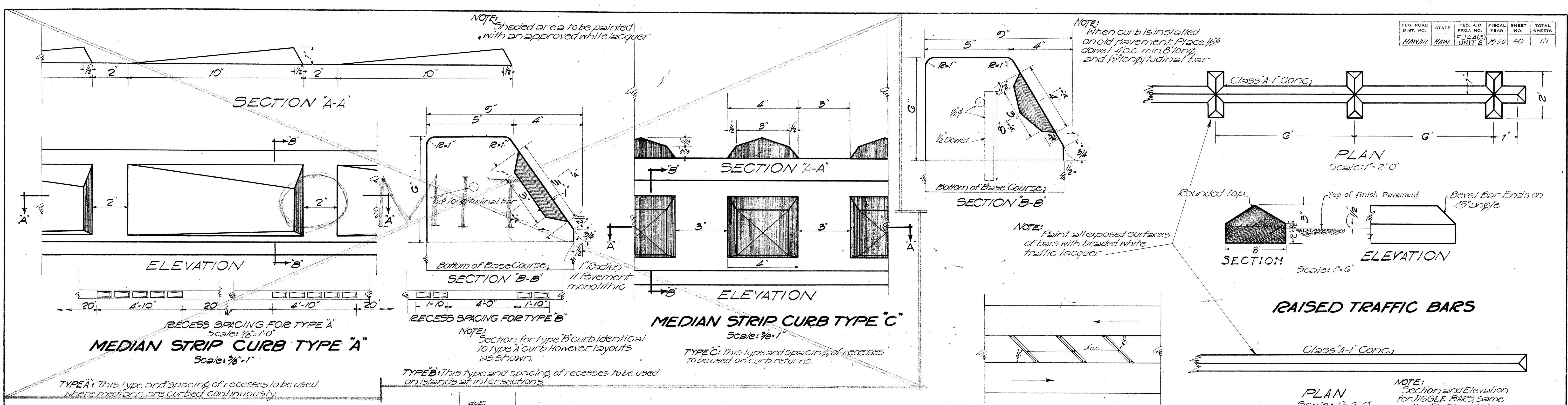


DETAILS OF DROPPED DRIVEWAY
Scale: 1/4" = 1'-0"

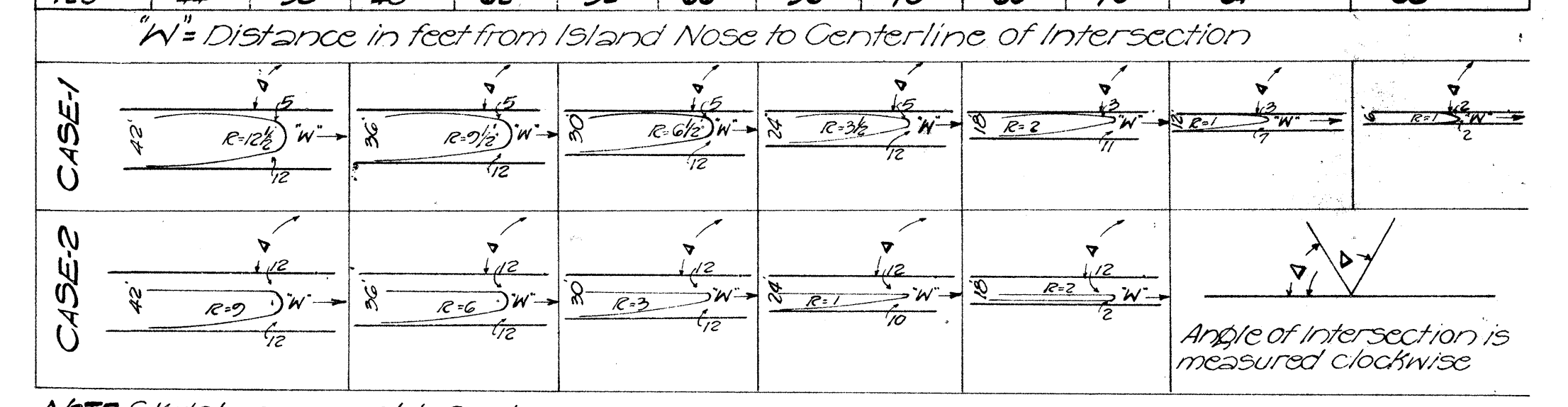


STANDARD C. I. FRAME AND GRATE TYPE \"C\"
Scale: 3/4" = 1'-0"

NOTE: Stock Pattern from Novelty Foundry-Honolulu



Angle of Intersect	WIDTH OF MEDIAN STRIP											
	42'	36'	30'	24'	18'	12'	6'	42'	36'	30'	24'	18'
40°	54	58	62	66	70	74	78	82	86	90	94	98
45°	48	52	56	60	64	68	72	76	80	84	88	92
50°	42	46	50	54	58	62	66	70	74	78	82	86
55°	36	40	44	48	52	56	60	64	68	72	76	80
60°	30	34	38	42	46	50	54	58	62	66	70	74
65°	24	28	32	36	40	44	48	52	56	60	64	68
70°	18	22	26	30	34	38	42	46	50	54	58	62
75°	12	16	20	24	28	32	36	40	44	48	52	56
80°	6	10	14	18	22	26	30	34	38	42	46	50
85°	4	8	12	16	20	24	28	32	36	40	44	48
90°	3	7	11	15	19	23	27	31	35	39	43	47
95°	2	6	10	14	18	22	26	30	34	38	42	46
100°	1	5	9	13	17	21	25	29	33	37	41	45
105°	1	4	8	12	16	20	24	28	32	36	40	44
110°	1	3	7	11	15	19	23	27	31	35	39	43
115°	1	2	6	10	14	18	22	26	30	34	38	42
120°	1	2	5	9	13	17	21	25	29	33	37	41



STANDARD MEDIAN STRIP OPENING
Scale: 1" = 20'