

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0240(1)	1955	11	20

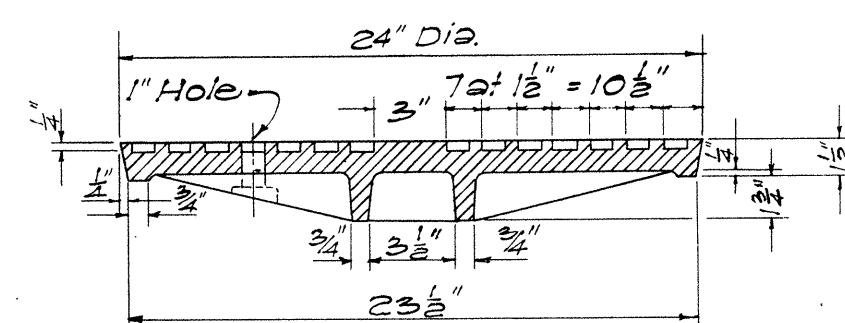
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-0820	1955	14	27

(21)

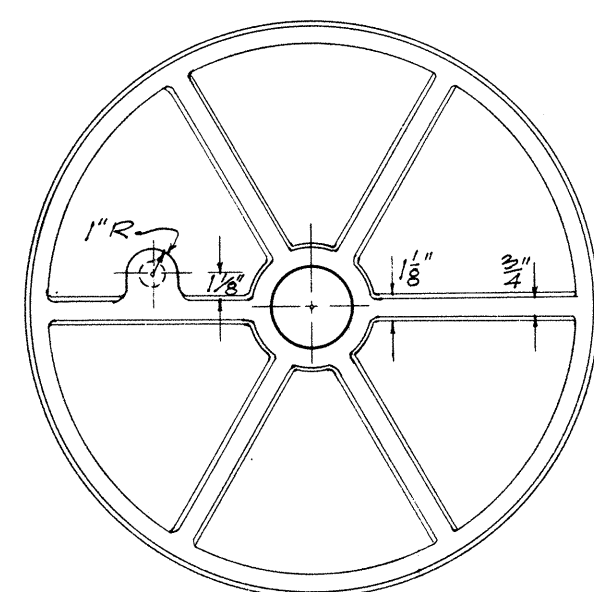
NOTE: Stock Pattern From Novelty Foundry, Honolulu



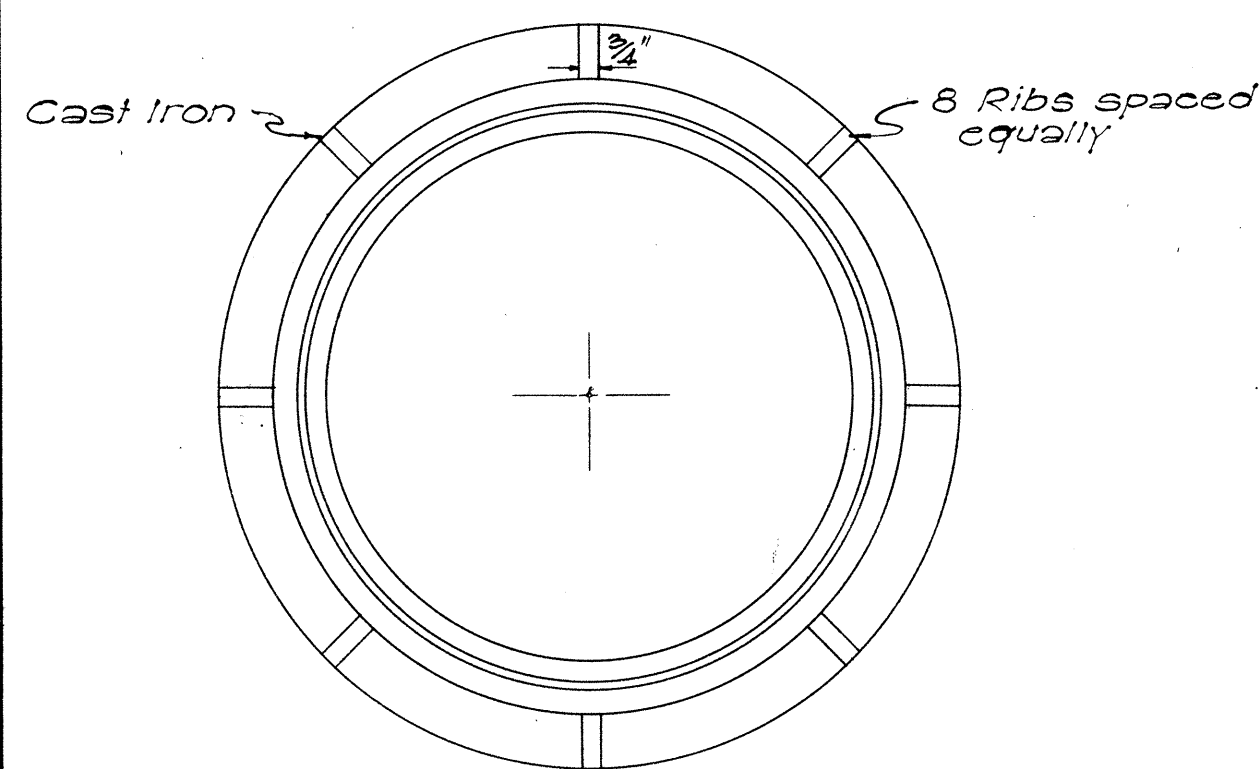
TOP VIEW OF COVER



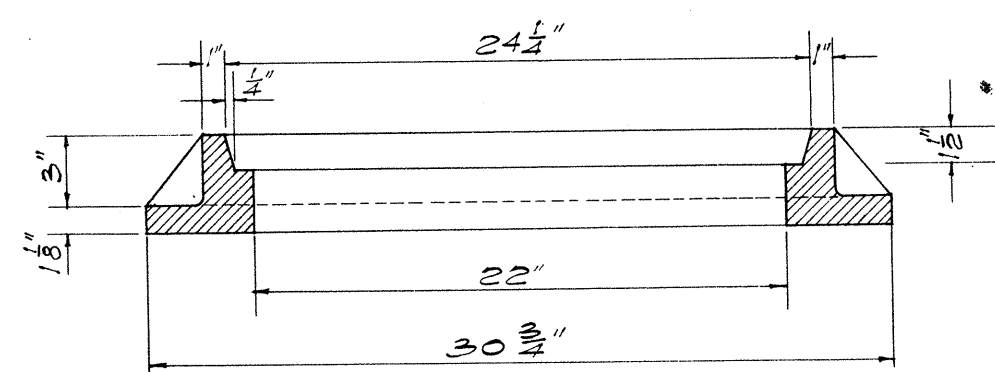
SECTION



BOTTOM VIEW OF COVER



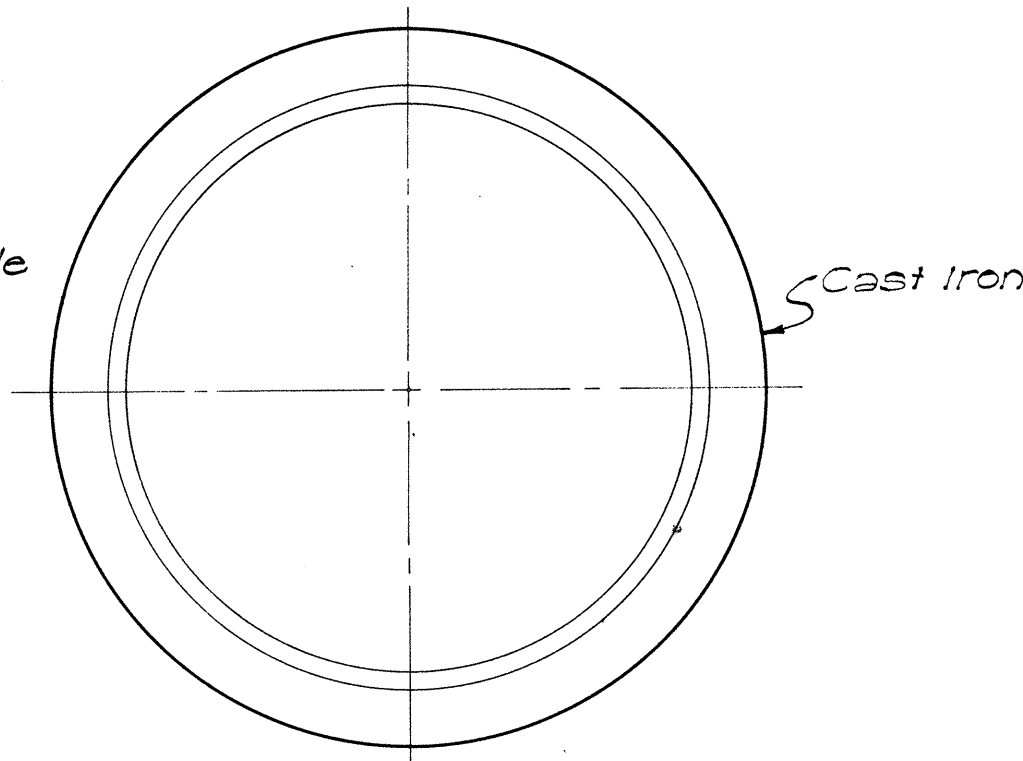
PLAN OF RIM



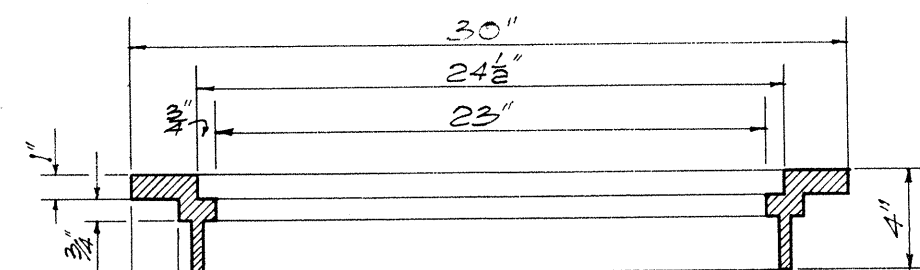
DETAILS OF TYPE "C" MANHOLE CASTINGS

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

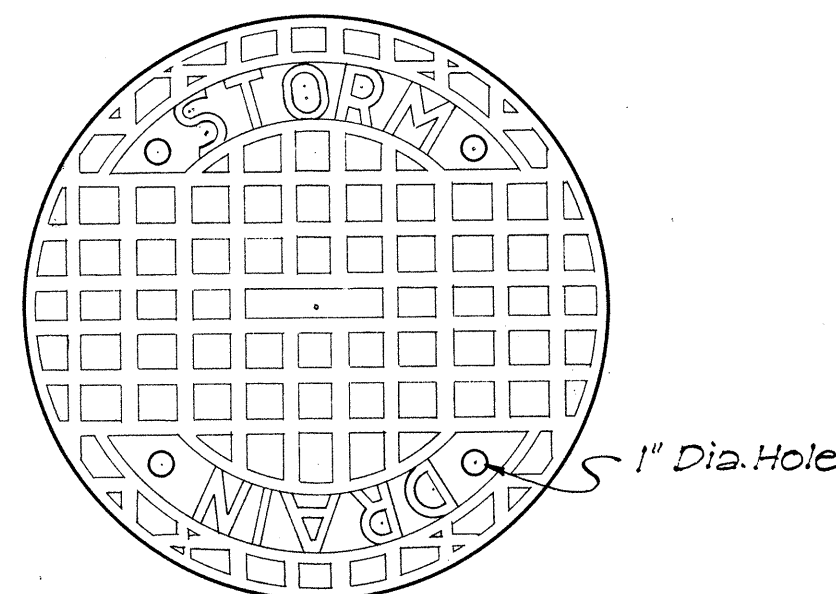
NOTE:
The Cover for Water Manhole shall be the same as for Sanitary Sewer except that the word "WATER" shall be substituted for "SANITARY SEWER". The frames for Sanitary Sewer and Water Covers shall be the same.



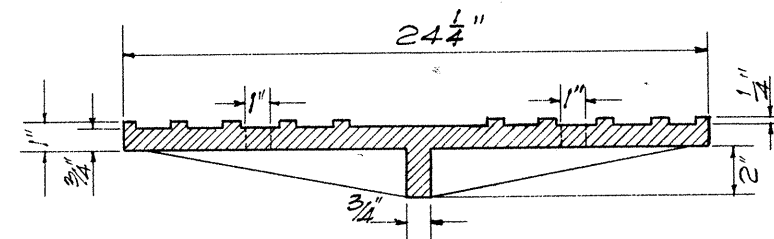
PLAN OF RIM



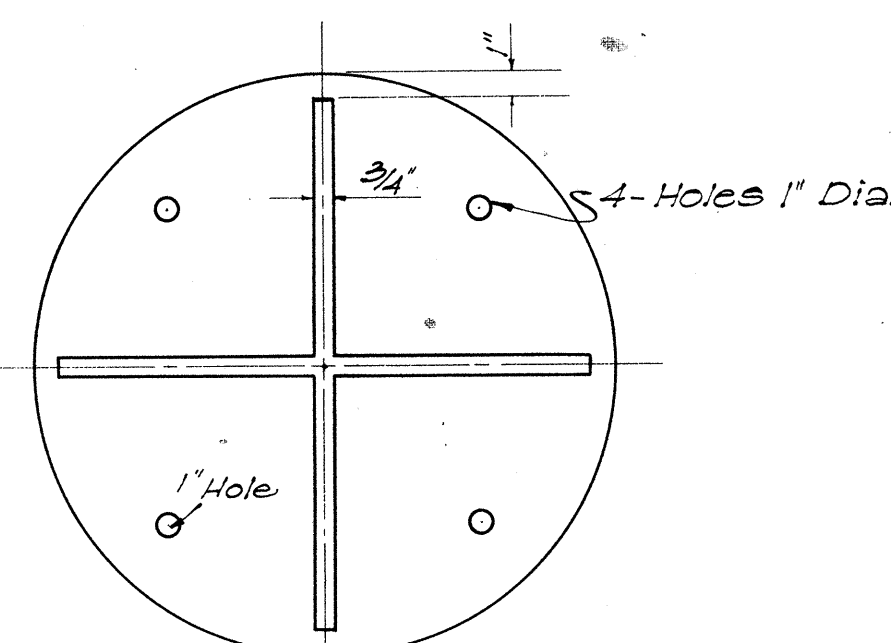
SECTION OF RIM



TOP VIEW OF COVER



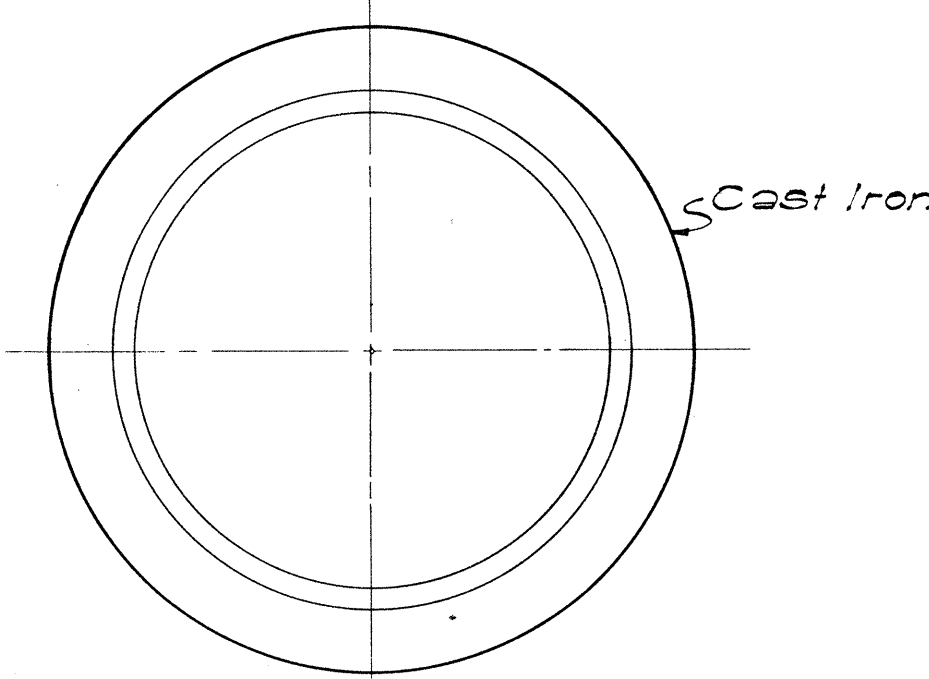
SECTION



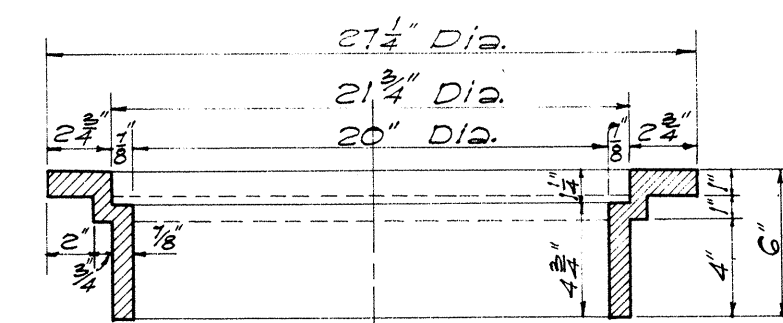
BOTTOM VIEW OF COVER

DETAILS OF TYPE "B" CATCH BASIN CASTINGS

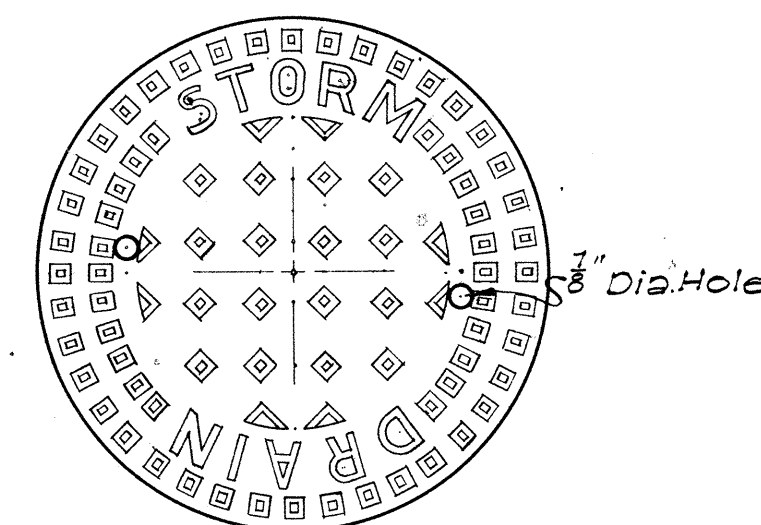
SCALE: 1-1/2" = 1'-0"



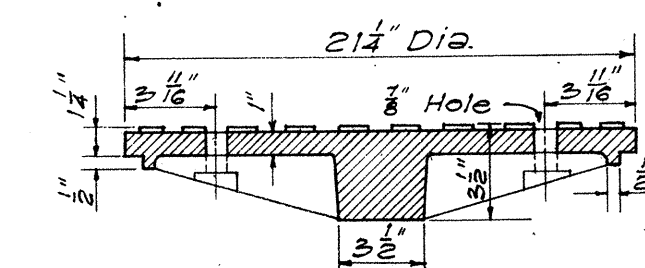
PLAN OF RIM



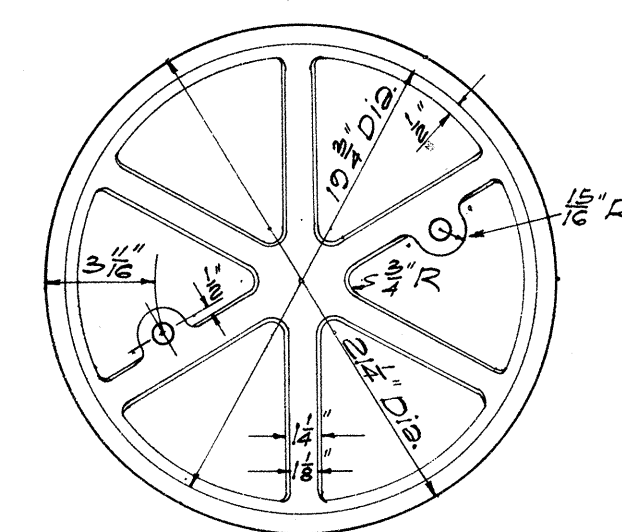
SECTION OF RIM



TOP VIEW OF COVER



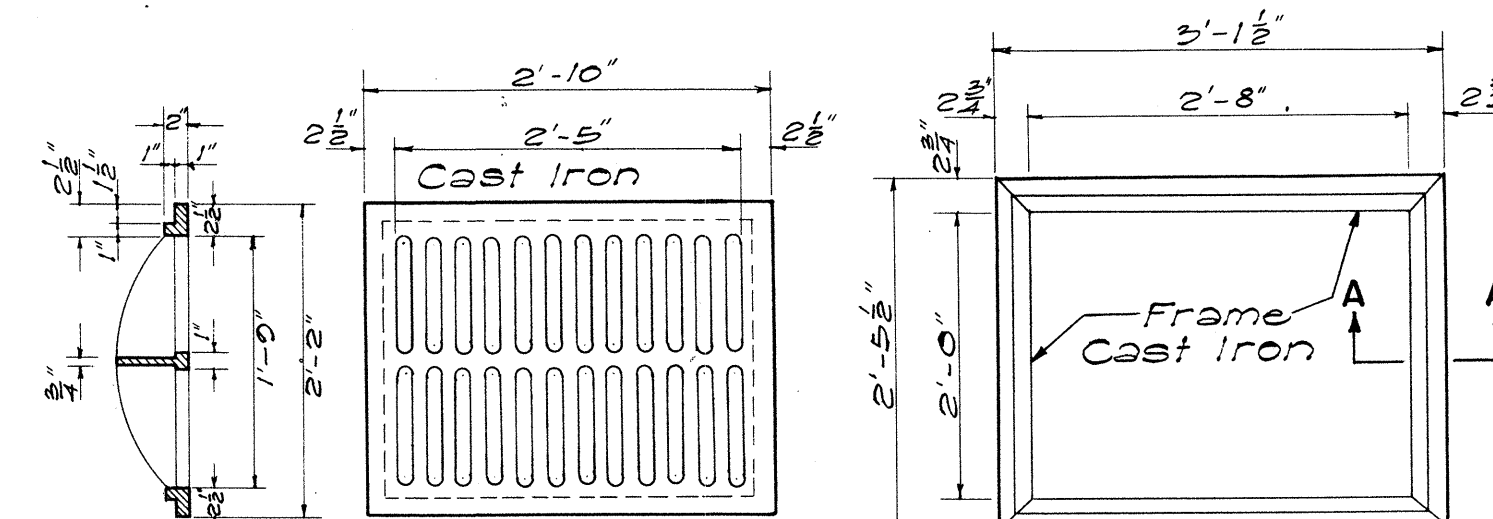
SECTION



BOTTOM VIEW OF COVER

DETAILS OF TYPE "A" MANHOLE CASTINGS

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

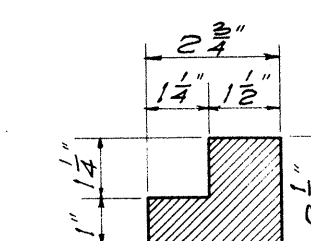


SECTION

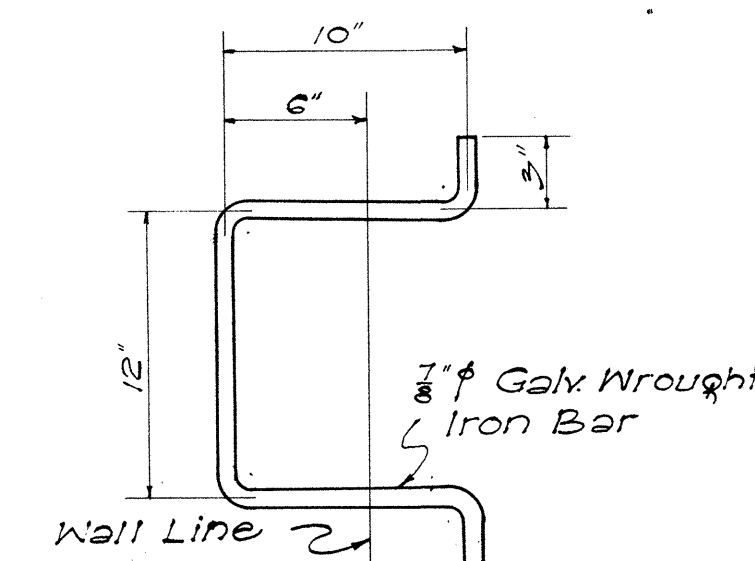
TOP VIEW

TYPE C C.I. FRAME AND GRATING

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



SECTION "A-A"
SCALE 3" = 1'-0"



MANHOLE RUNG

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

APPROVED: DATE 6-23-53
TERRITORIAL HIGHWAY ENGINEER

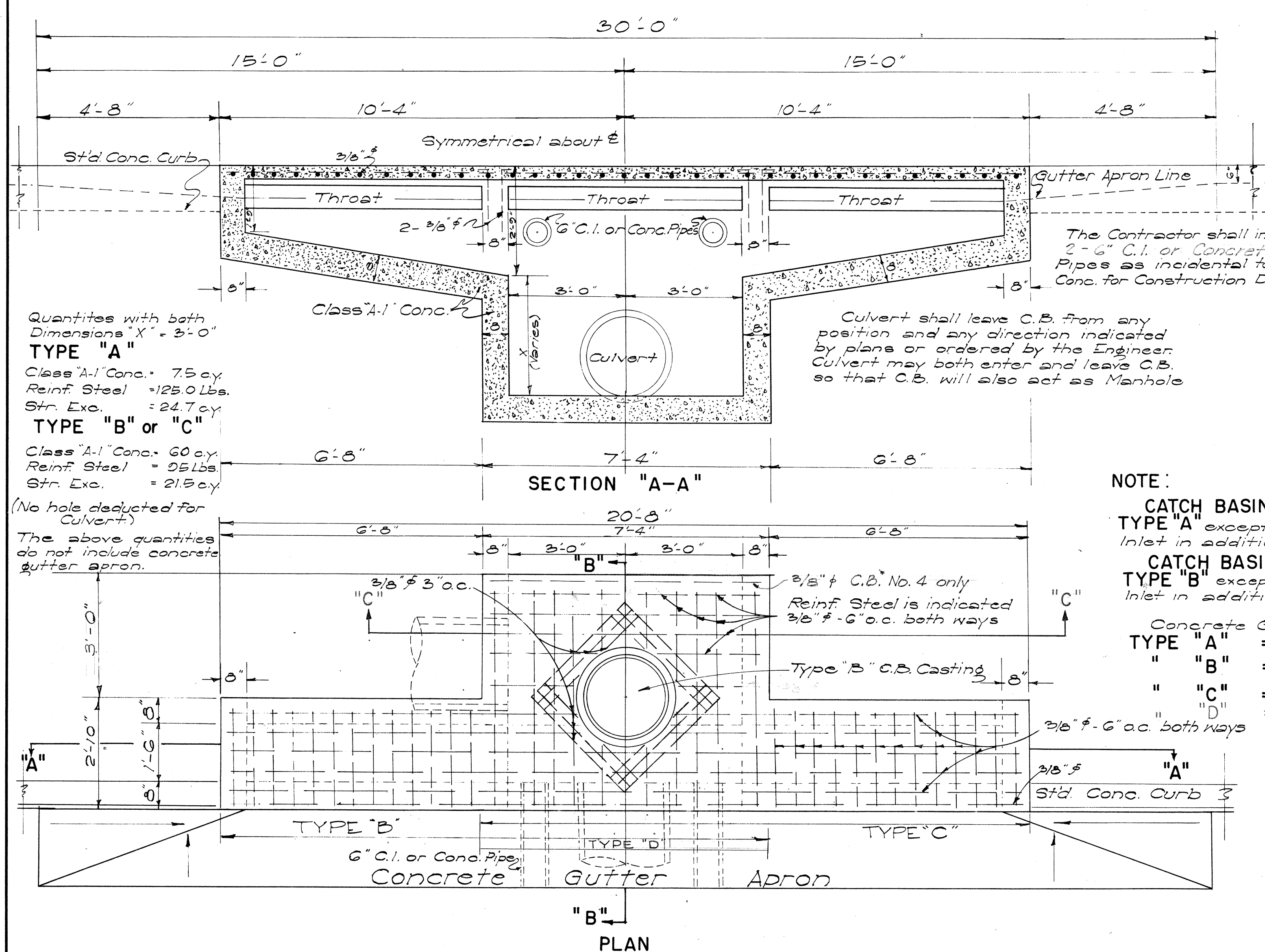
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
CATCH BASIN AND
MANHOLE CASTINGS
SCALES AS NOTED

SHEET NO 1 OF 8 SHEETS

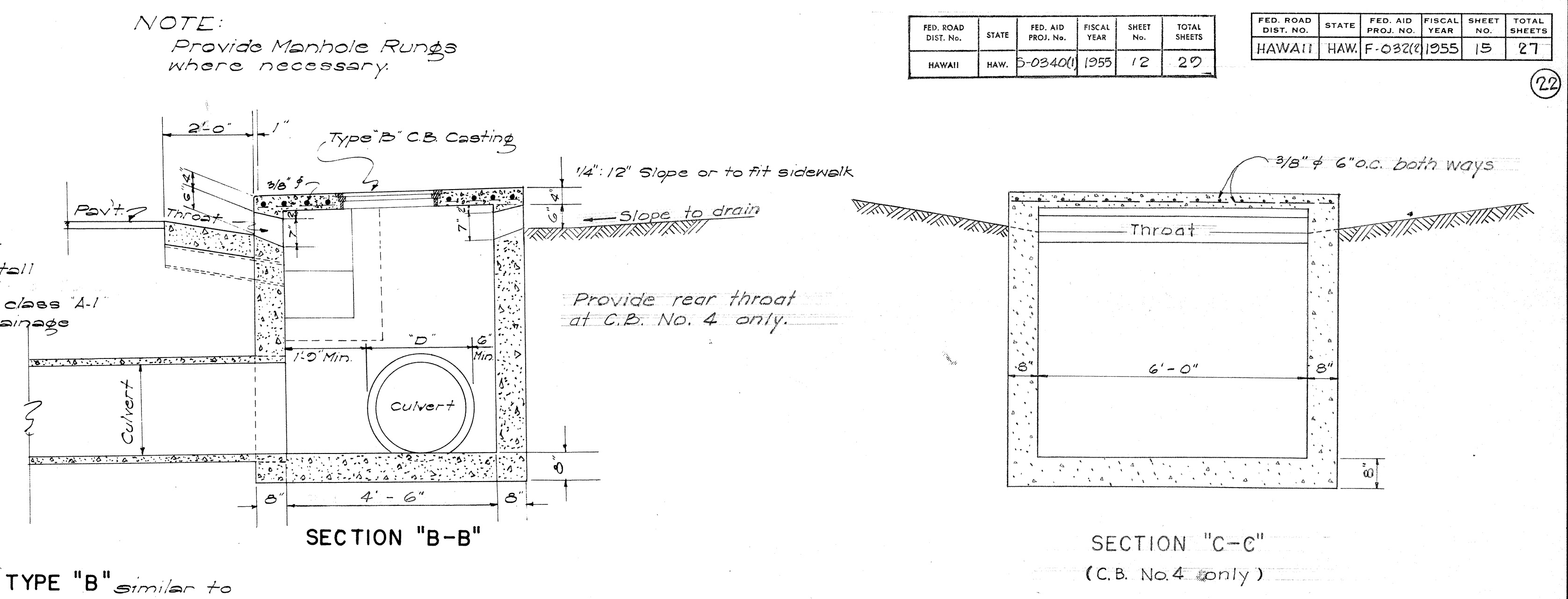
5747.11 5748.14

SURVEY PLOTTED BY	DATE
DESIGNED BY	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	NO.
NOTE BOOK	
CHECKED BY	



DETAIL OF CONCRETE CATCH BASIN TYPE "A"
SCALE: 1/2" = 1'-0"



NOTE:
Provide Manhole Rungs where necessary.

NOTE:
CATCH BASIN TYPE "B" similar to TYPE "A" except it has only Left Side Inlet in addition to the Main Box.
CATCH BASIN TYPE "C" similar to TYPE "B" except it has only Right Side Inlet in addition to the Main Box.
Concrete Gutter Length:
TYPE "A" = 30'-0"
" "B" = 23'-4"
" "C" = 23'-4"
" "D" = 16'-8"

CATCH BASIN TYPE "D" similar to TYPE "A" except it has no side Inlets.
Concrete Gutter Apron to be paid for as Class "A-1" Concrete.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0340(1)	1955	12	27

ORIGINAL PLAN	DATE
NOTED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

APPROVED: *Bar. E. Hutter*
TERRITORIAL HIGHWAY ENGINEER

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
CATCH BASINS
SCALES AS NOTED
SHEET NO 2 OF 8 SHEETS

5747.12 5748.15

DATA FOR OUTLET DITCH			
D	W	H	T=H+H
18"	24"	2'-0"	4'-0"
24"	30"	2'-0"	4'-6"
30"	30"	2'-0"	5'-0"
36"	36"	3'-0"	6'-0"

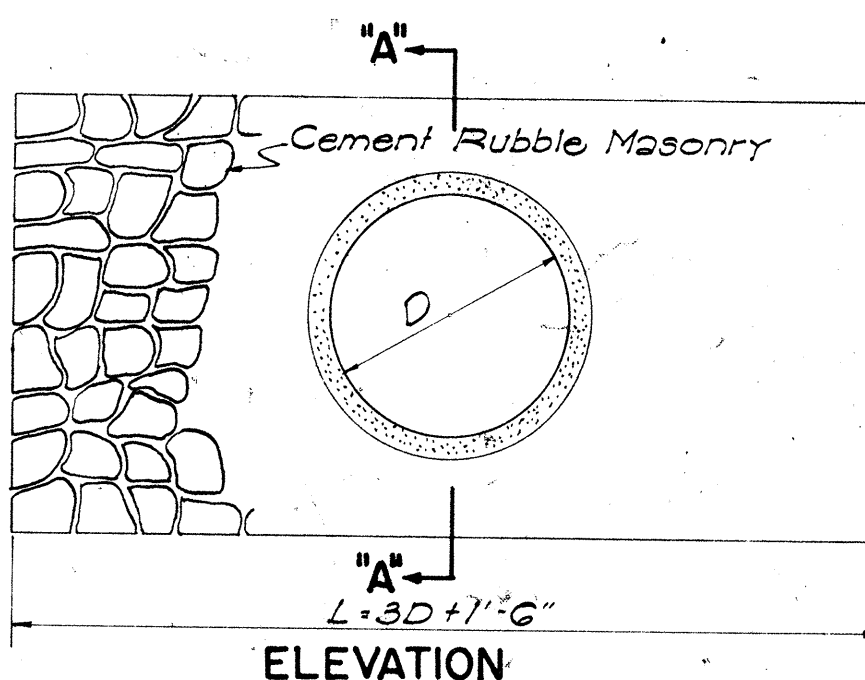
DETAIL OF OUTLET DITCH

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

DATA FOR MASONRY DROP INTAKE				Where Variables Equal
D	D	L=D+6"	Cu Yds.	
23"	18"	2'-5"	3.02	4'-0"
30"	24"	3'-0"	3.61	5'-0"
37"	30"	3'-7"	4.21	5'-6"
44"	36"	4'-2"	4.85	6'-0"

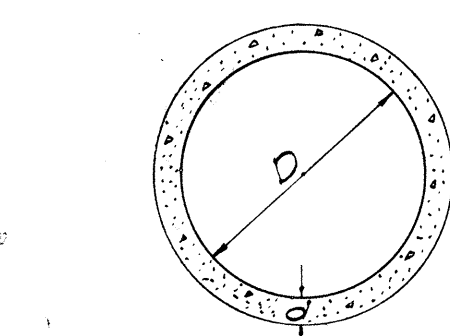
NOTE: Dimension "X" is assumed as 2'-4" in figuring the above quantities.

DATA - MASONRY HEADWALL				Cast-in-Place Conc. Culvert	Conc. Pipe Culvert	Corrugated Pipe Culvert
D	H	B	L	Cu Yds.	Cu Yds.	Cu Yds.
18"	3'-6"	1'-0"	6'-0"	0.85	0.05	0.05
24"	4'-0"	2'-0"	7'-6"	1.28	1.45	1.41
30"	4'-6"	2'-3"	9'-0"	1.83	2.06	2.00
36"	5'-0"	2'-6"	10'-6"	2.40	2.84	2.72



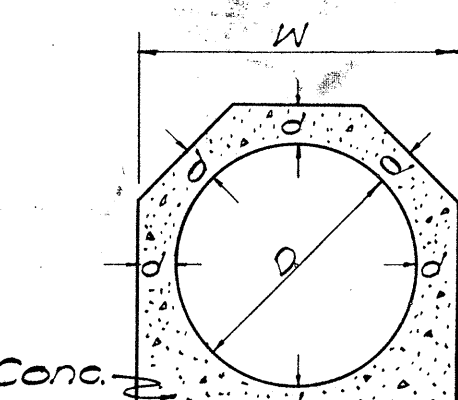
DETAIL OF MASONRY HEADWALL

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



CONC. PIPE CULVERT

NOTE: Thickness 'd', reinforcing and concrete used, are to conform with the approved design as provided by the Specifications.

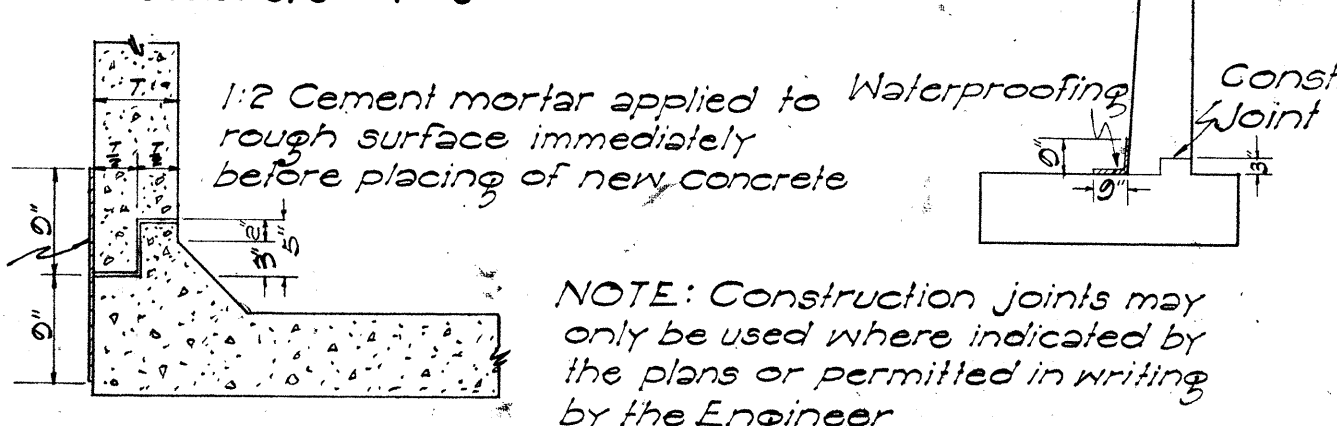


CAST-IN-PLACE CONC. CULVERT

DATA - CAST-IN-PLACE CONC. CULVERT			
D	d	W	Cu Yds. per ft.
18"	4"	2'-2"	0.11
24"	4 1/2"	2'-0"	0.14
30"	5"	3'-4"	0.19
36"	5 1/2"	3'-11"	0.26

DETAIL OF MASONRY DROP INTAKE

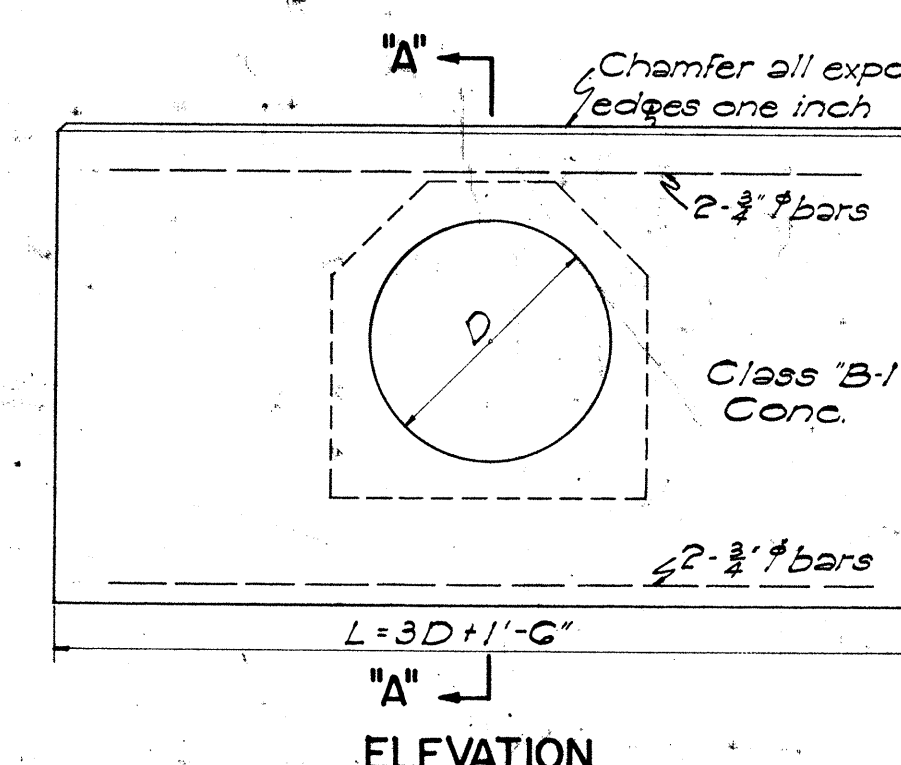
Scale: 3/8" = 1'-0"



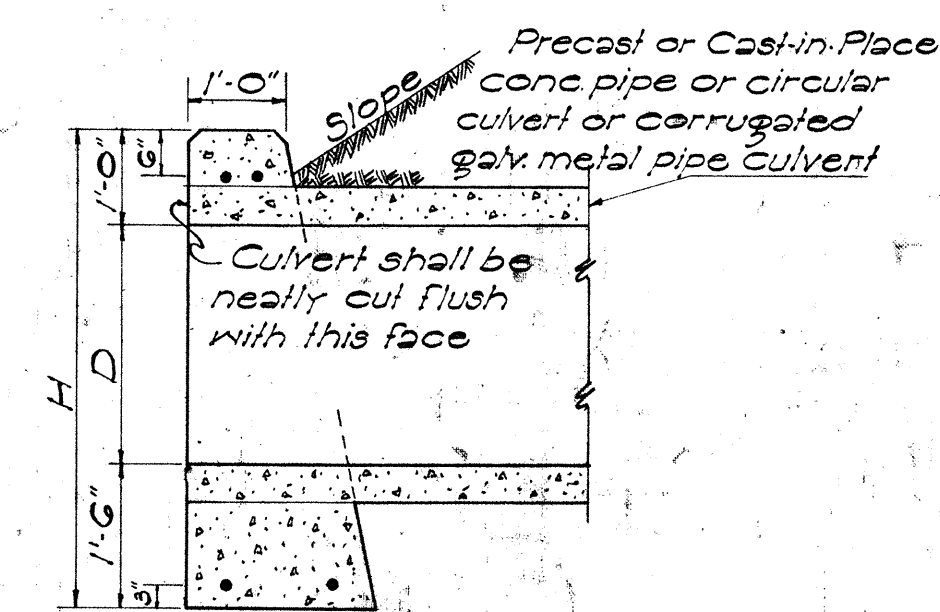
CONSTR. JOINT DETAILS

METHOD OF APPLYING CONSTR. JOINT WATERPROOFING
(1) Top surface either side of joint as required with asphalt 30-100 penetration (A.S.T.M. Design D 5-25) applied at 200°F.
(2) Apply one layer of 55-1b composition roofing to hot asphalt.
(3) Top surface of composition roofing and 3" beyond all around with thick coat of asphalt as specified under (1).
The above work is incidental to concrete and will not be paid for separately.

Note: When subgrade is below top of jacket, it shall be fully compacted to this line and then re-excavated (struc. exc.) to proper subgrade. This surface shall be rolled again.



ELEVATION

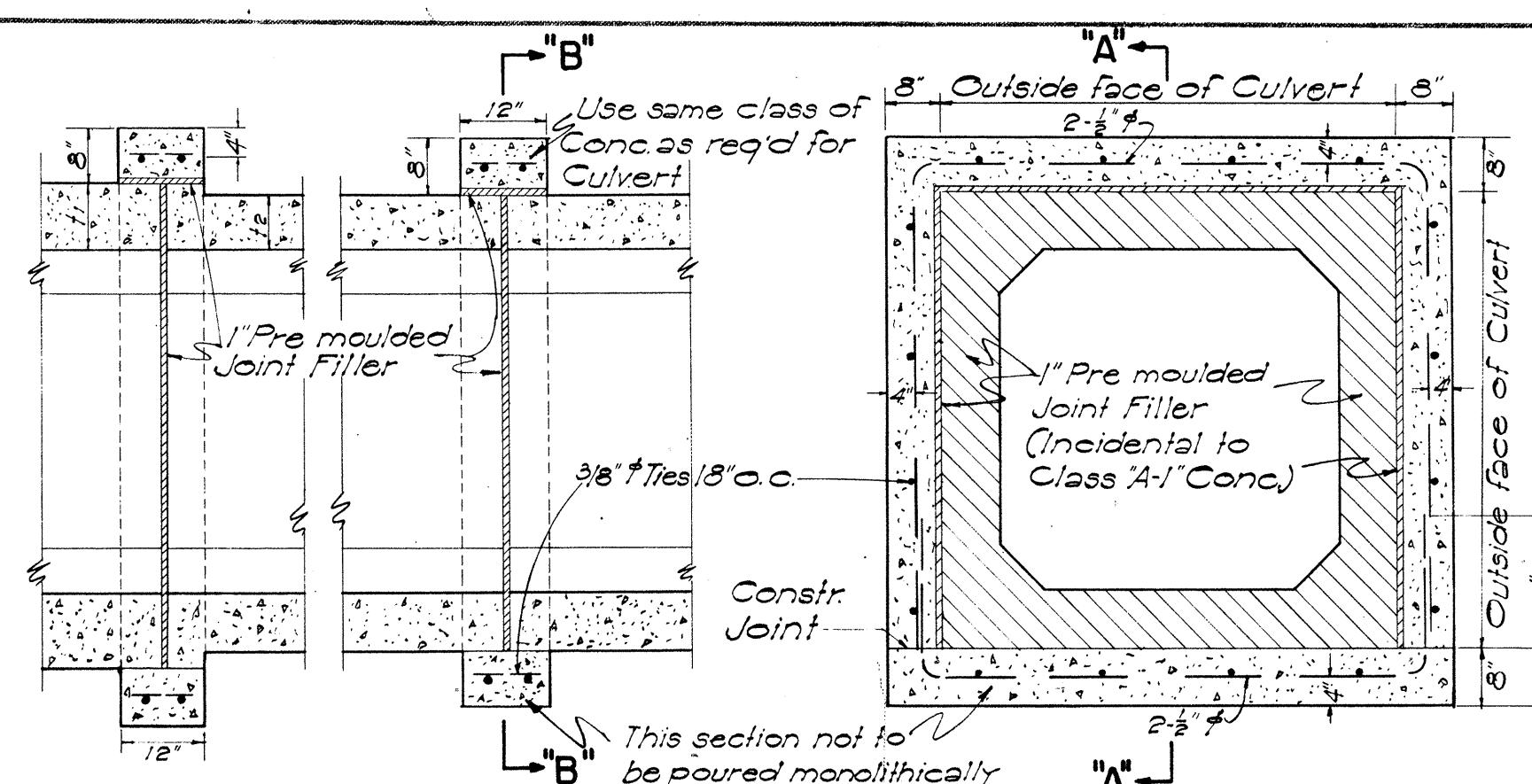


SECTION "A-A"

DATA FOR CONC. HEADWALL				Cast-in-Place Conc. Culvert	Conc. Pipe Culvert	Steel For One Headwall
D	B	L	H	Cu Yds.	Cu Yds.	No. of Bars Size Length Lbs.
18"	1'-0"	6'-0"	4'-0"	0.02	1.00	4 3/4" 5'-6" 33
24"	1'-6"	7'-6"	4'-6"	1.25	1.38	4 3/4" 7'-0" 42
30"	2'-0"	9'-0"	5'-0"	1.95	2.17	4 3/4" 8'-6" 51
36"	2'-6"	10'-6"	5'-6"	2.45	2.74	4 3/4" 10'-0" 60
42"	2'-6"	12'-0"	6'-0"	3.87	4.06	4 3/4" 11'-6" 60
48"	2'-6"	13'-6"	6'-6"	4.66	4.86	4 3/4" 13'-0" 78

DETAIL OF CONCRETE HEADWALL

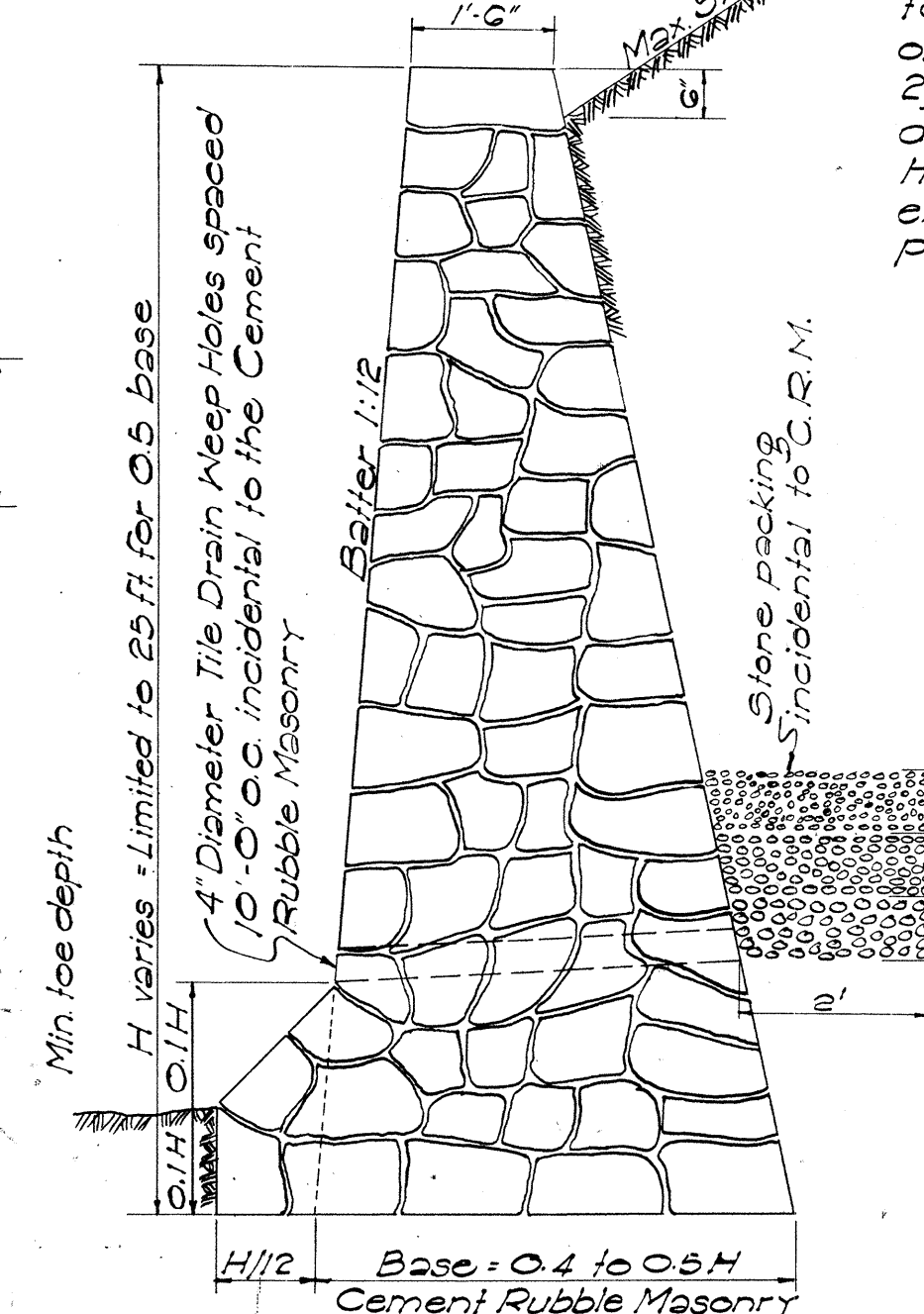
Scale: 1/2" = 1'-0"



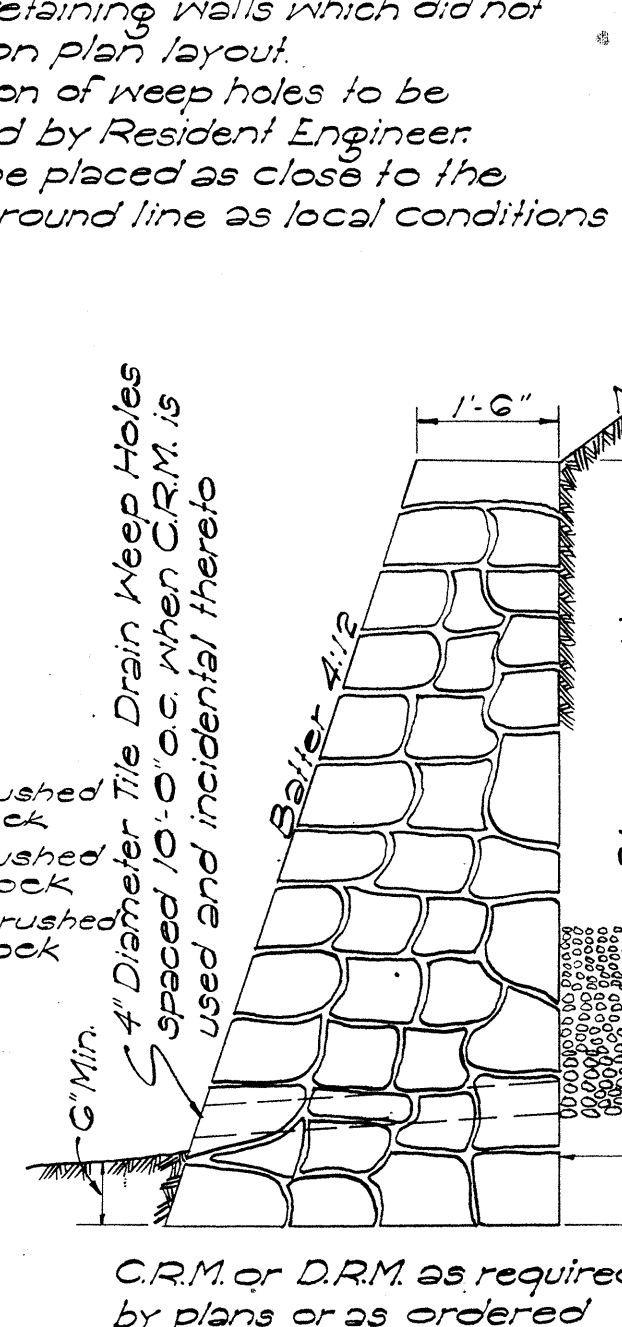
SECTION "A-A" SECTION "B-B" CONC. COLLAR FOR CONC. BOX CULVERT

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

SECTION OF HIGH CEMENT RUBBLE MASONRY RETAINING WALL OR SEAWALL



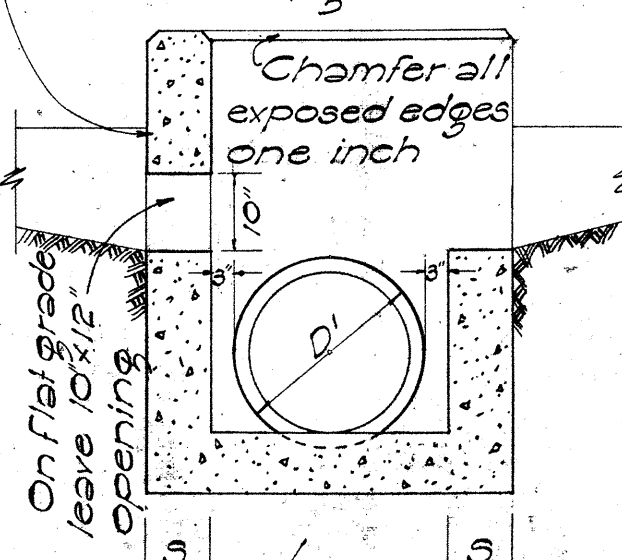
SECTION OF LOW MASONRY RETAINING WALL OR SEAWALL



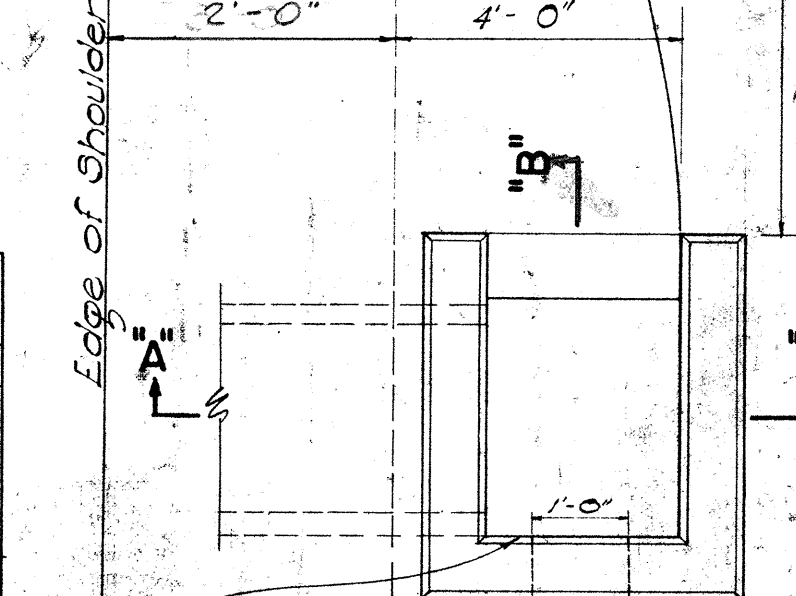
DATA - CONC. DROP INTAKE				Where Variables Equal
D	D	L=D+6"	S	Cu Yds.
23"	18"	2'-5"	8"	1.41
30"	24"	3'-0"	8"	1.72
37"	30"	3'-7"	8"	2.32
44"	36"	4'-2"	8"	2.73
51"	42"	4'-9"	10"	3.54
58"	48"	5'-4"	10"	4.01

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

Note: This type of structure shall also be used for the Drop Intakes of Siphons connected with Irrigation Ditches or Flumes with appropriate changes to dimensions. In this case all joints must be made water tight.



SECTION "B-B"



SECTION "A-A"

DETAIL OF CONCRETE DROP INTAKE

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

SECT. OF CULVERT WITH CONC. PROTECTION

Scale: 1" = 1'-0"

DATA FOR CONCRETE PROTECTION OVER CULVERTS		
X	Y	Z
6" for 18"D		Z must be from pipe to face of trench
7" " 24"D		
8" " 30"D	D+T	Minimum = X
9" " 36"D		Maximum pay quantity will be Z=12"
10" " 42"D		
11" " 48"D		
12" " 54"D		

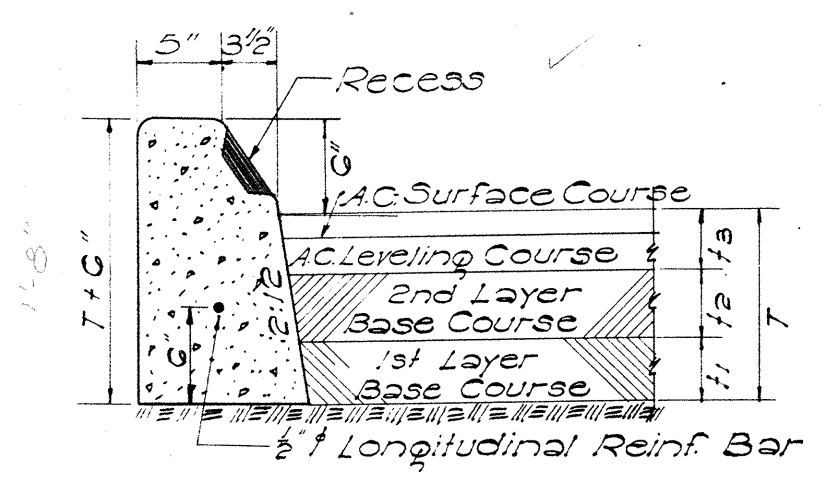
APPROVED: *Paul E. Neuthe*
TERRITORIAL HIGHWAY ENGINEER

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
DROP INTAKES, RETAINING WALLS,
HEADWALLS, CONSTRUCTION JOINTS
SCALES AS NOTED

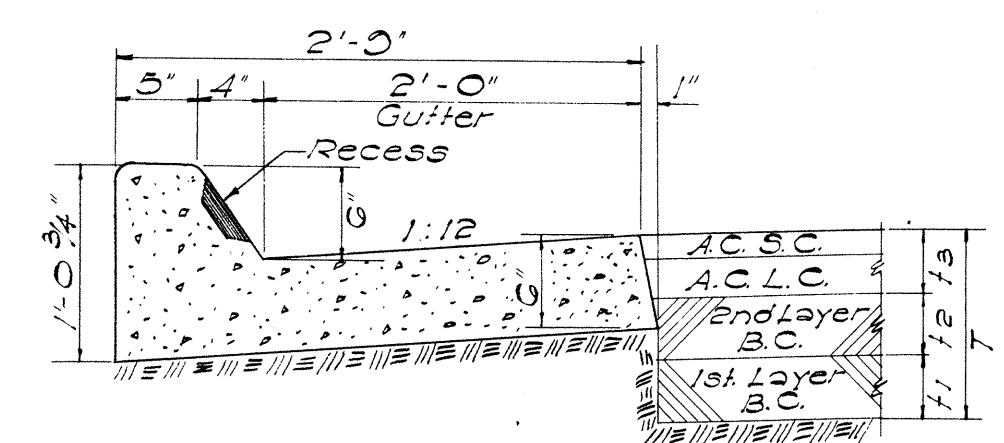
SHEET No 3 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0340(1)	1955	14	20

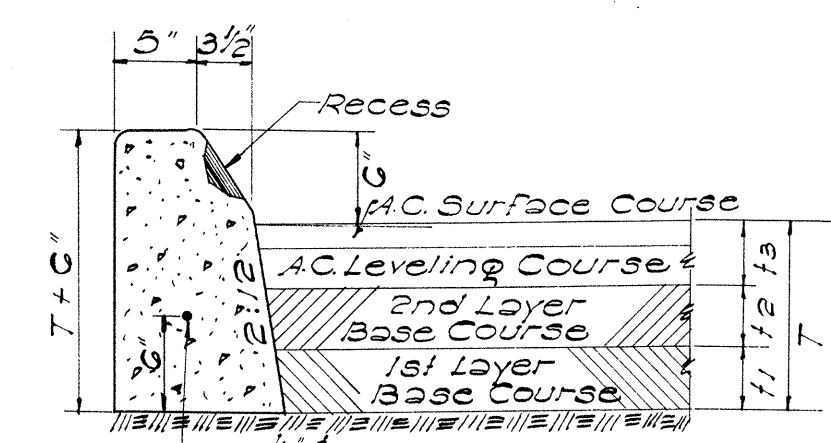
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HAWAII	HAW.	F-082(2)	1955	17	27



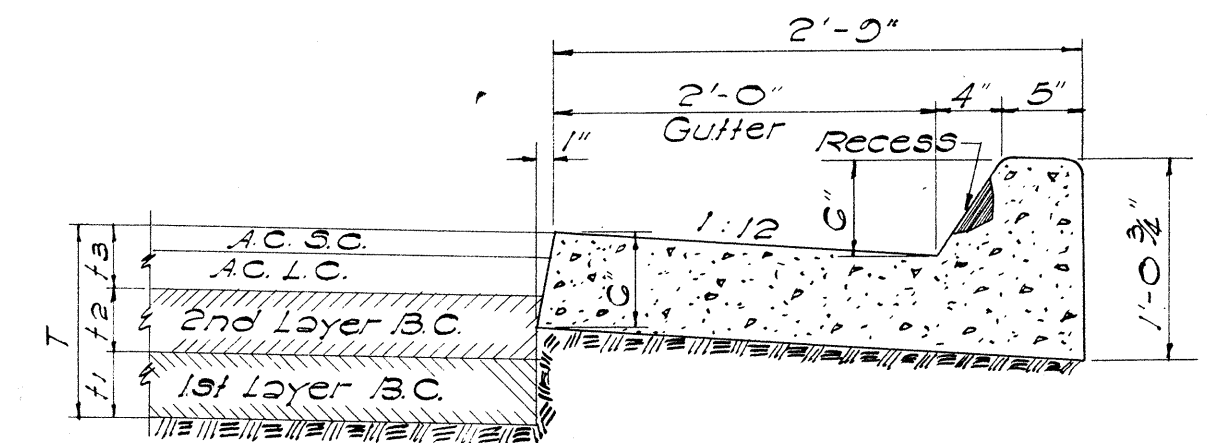
TYPE "A" & "B" CURB
SCALE: 1" = 1'-0"



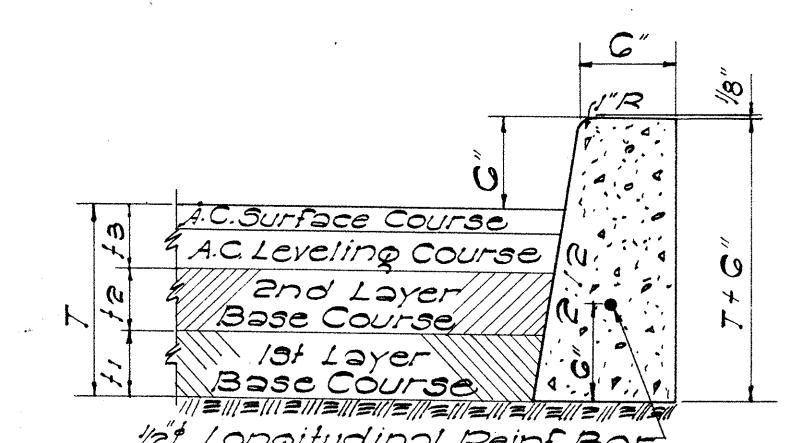
TYPE "AG" & "BG" CURB & GUTTER
SCALE: 1" = 1'-0"



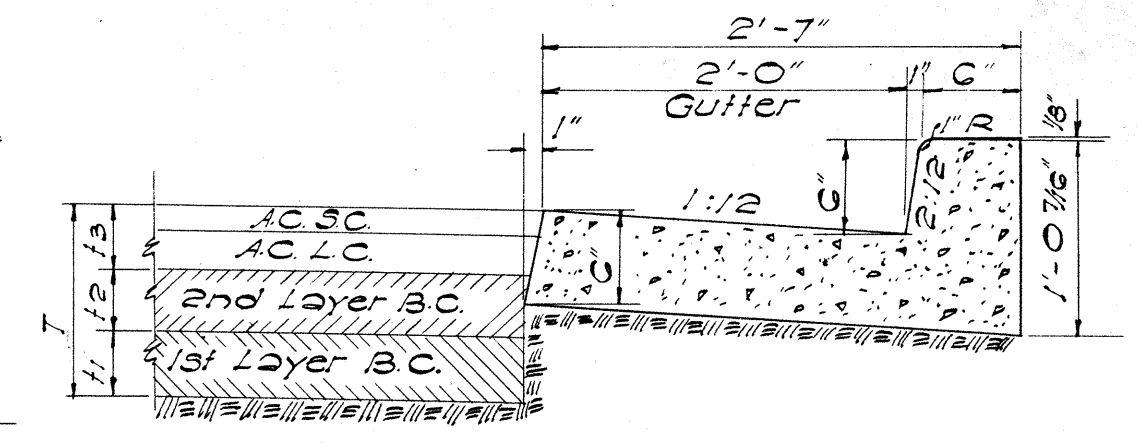
TYPE "C" CURB
SCALE: 1" = 1'-0"



TYPE "CG" CURB & GUTTER
SCALE: 1" = 1'-0"

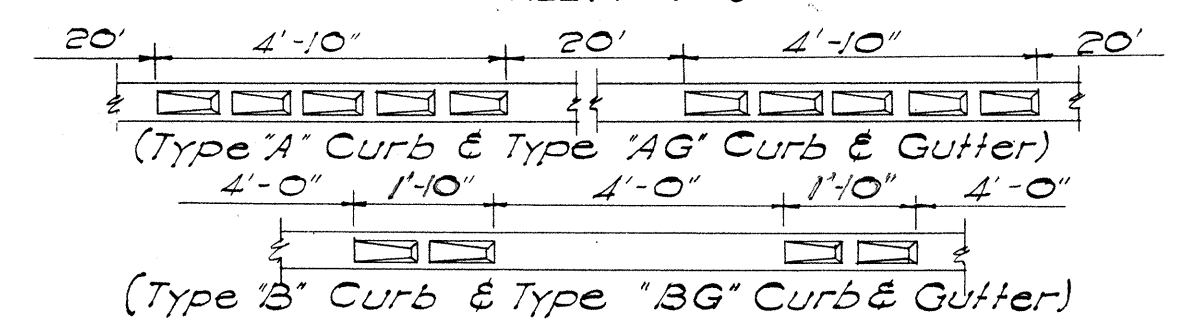


TYPE "D" CURB
SCALE: 1" = 1'-0"

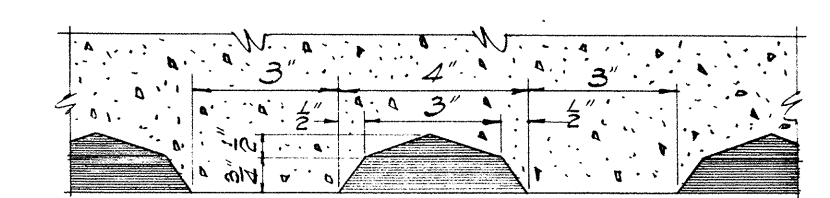


TYPE "DG" CURB & GUTTER
SCALE: 1" = 1'-0"

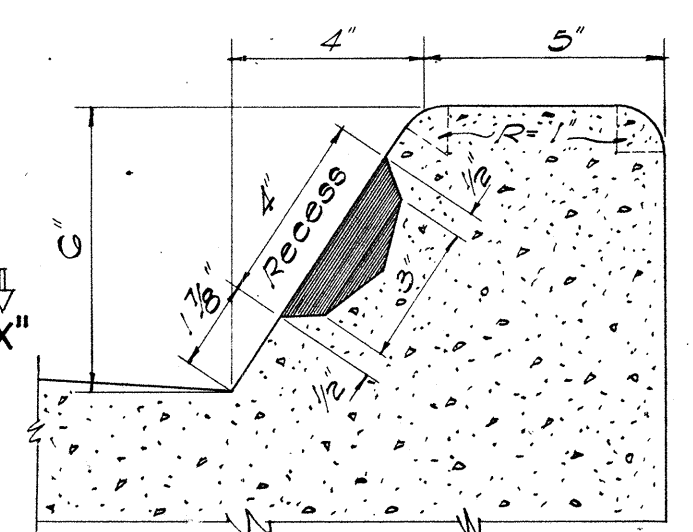
General Note Covering All Types of Curbs:
Occasionally curb rests on first layer of base course. See typical sections.



TYPE AND SPACING OF RECESSES

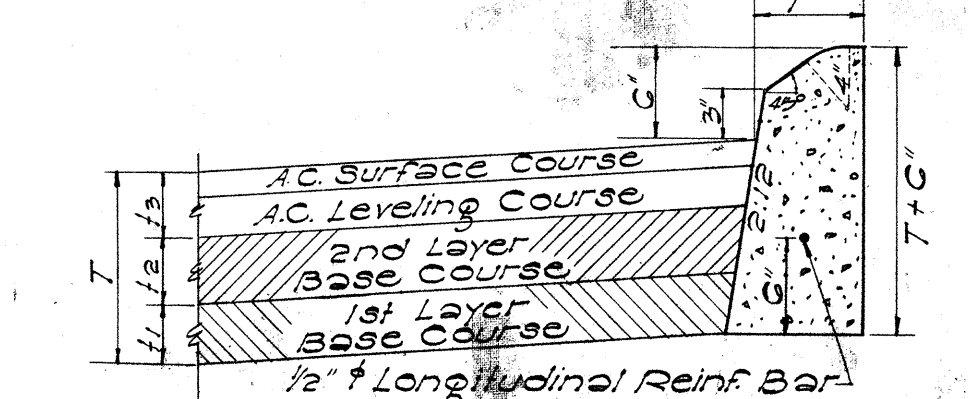


SECTION "X-X"
"Z" < "Y"

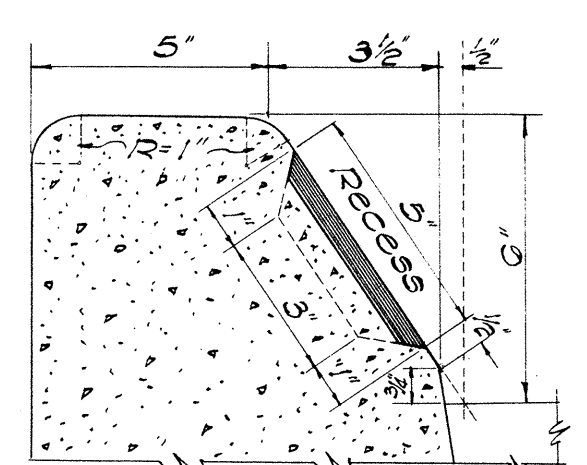


SECTION "Z-Z"
TYPE "CG" CURB

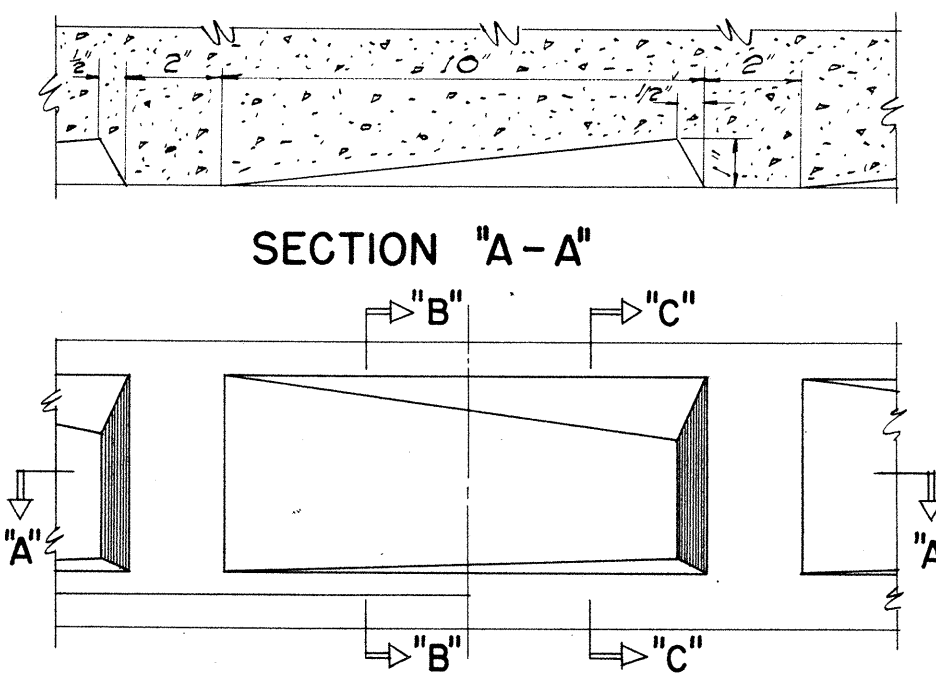
NOTES:
1) Types 'AG', 'BG', 'CG', 'DG' and 'EG' Concrete Curbs and Gutters are to be poured monolithically.
2) Types 'A', 'B', and 'C' Curbs and Types 'AG', 'BG' and 'CG' Curbs and Gutters occur at Median Strips and Traffic Islands.
3) Shaded area in Curbs are to be painted with an approved white lacquer. (One Coat)
4) All Concrete Curbs and Gutters shown herein are to be of Class 'A-1' Conc. and Cast-in-Place.



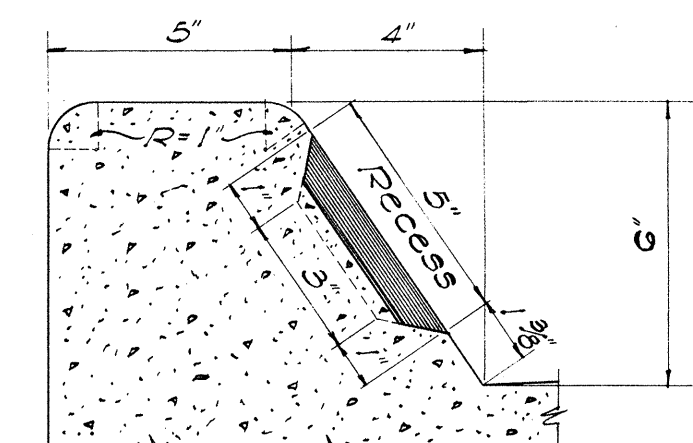
TYPE "F" CURB
SCALE: 1" = 1'-0"



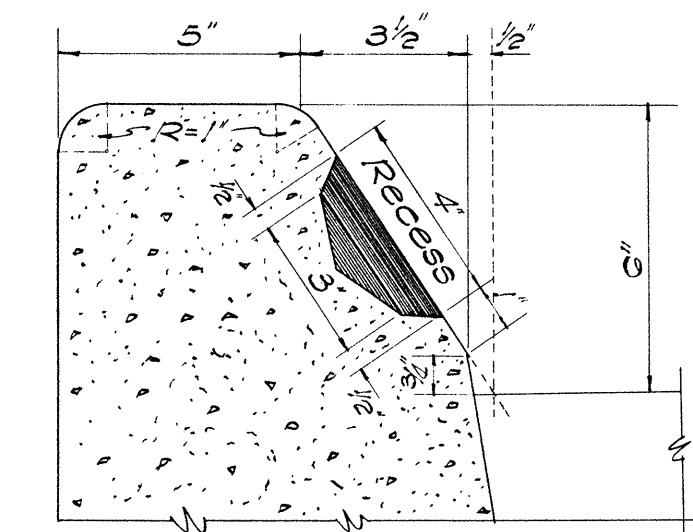
SECTION "B-B"
TYPE "A" & "B" CURB



ELEVATION
SCALE: 3" = 1'-0"



SECTION "C-C"
TYPE "AG" & "BG" CURB

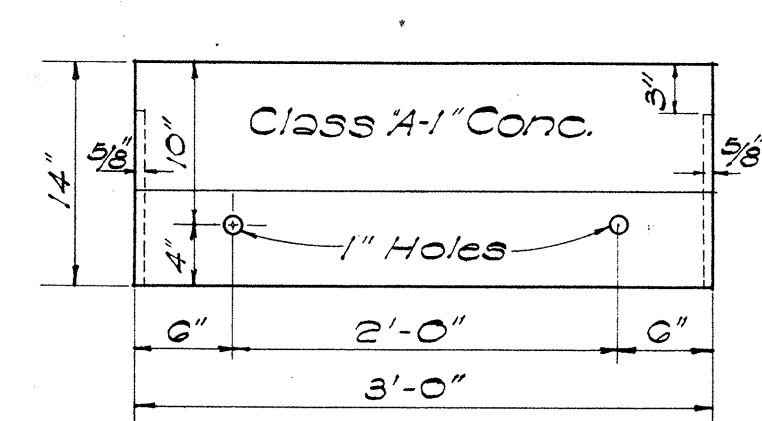


SECTION "Y-Y"
TYPE "C" CURB

ELEVATION
SCALE: 3" = 1'-0"

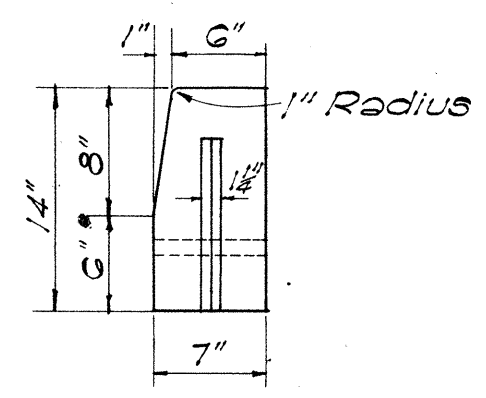
NOTE:
For detail of Type 'A' Precast Concrete Curb, see sht. 5748.2

DETAILS OF CAST-IN-PLACE CONC. CURBS AND GUTTERS

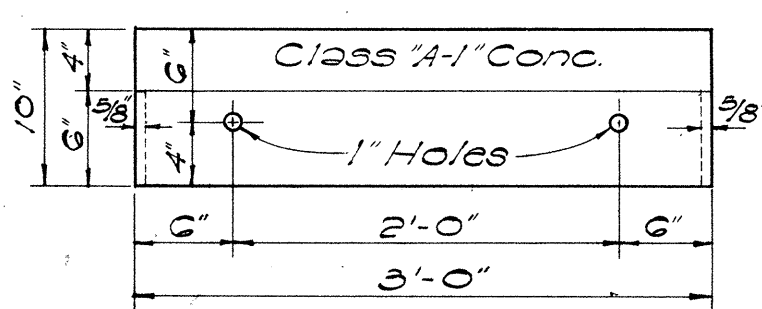


FRONT ELEV.

PRECAST CONC. CURB
SCALE: 1" = 1'-0"

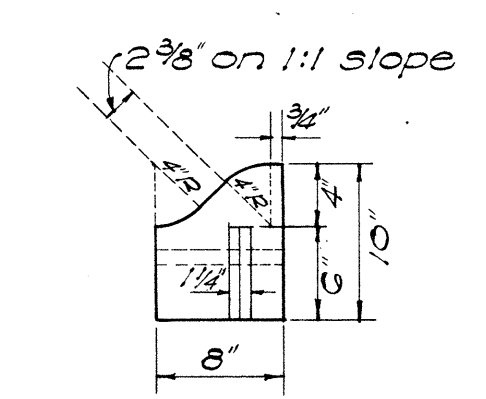


END ELEV.

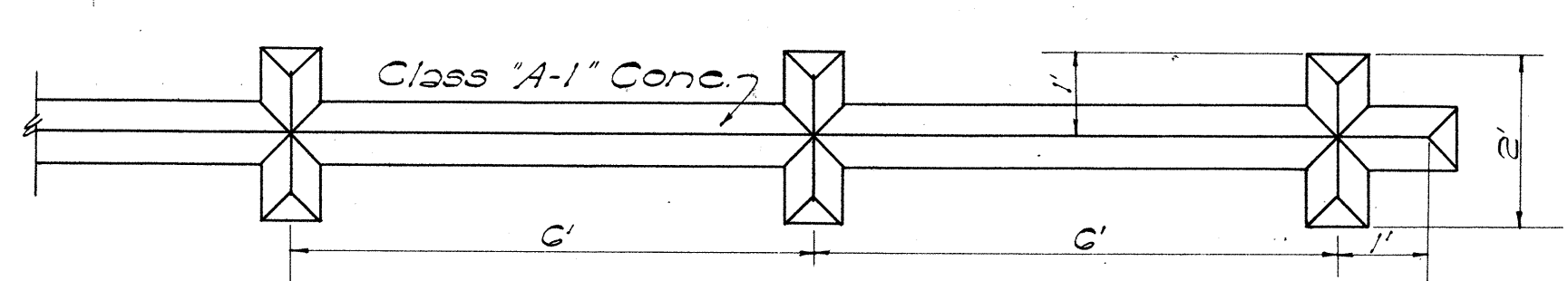


FRONT ELEV.

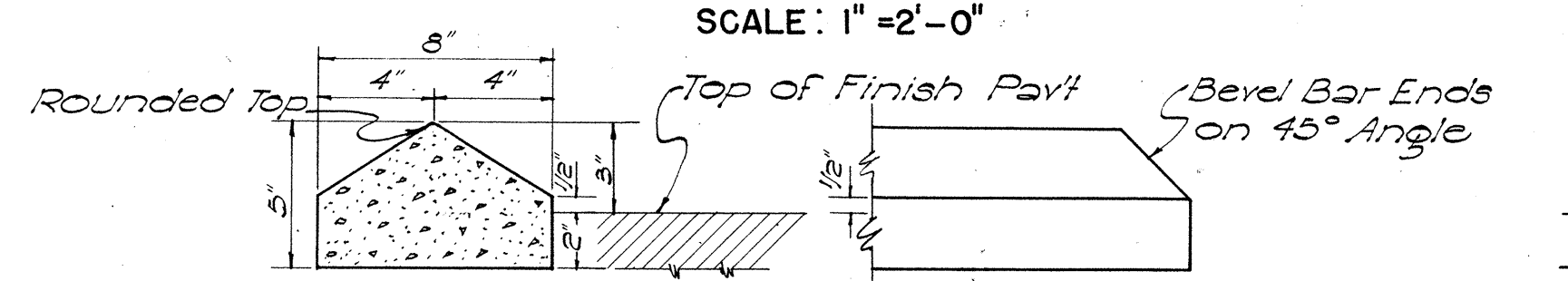
PRECAST CONC. ROLL CURB
SCALE: 1" = 1'-0"



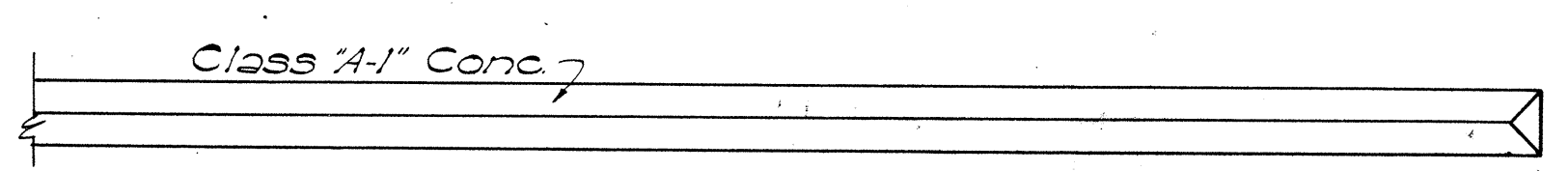
END ELEV.



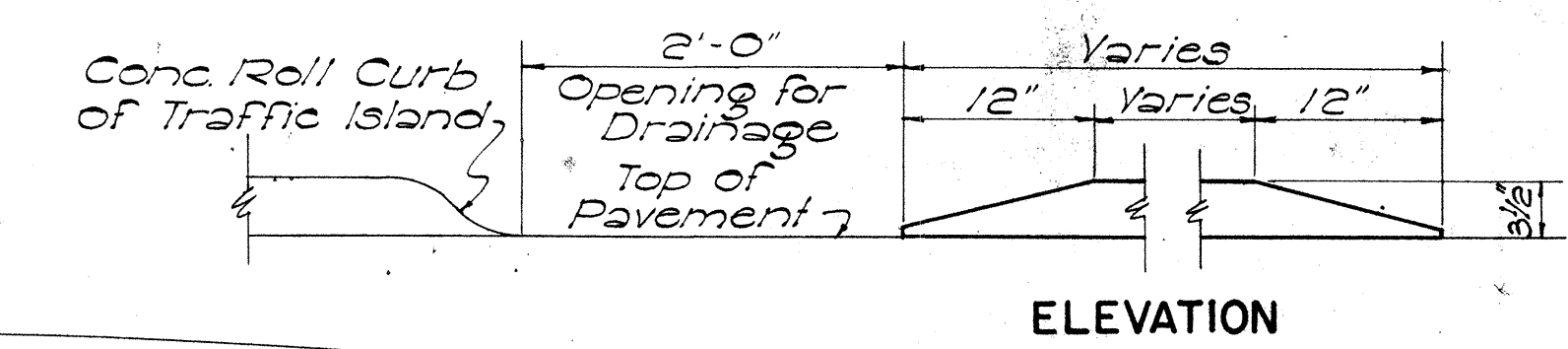
PLAN
SCALE: 1" = 2'-0"



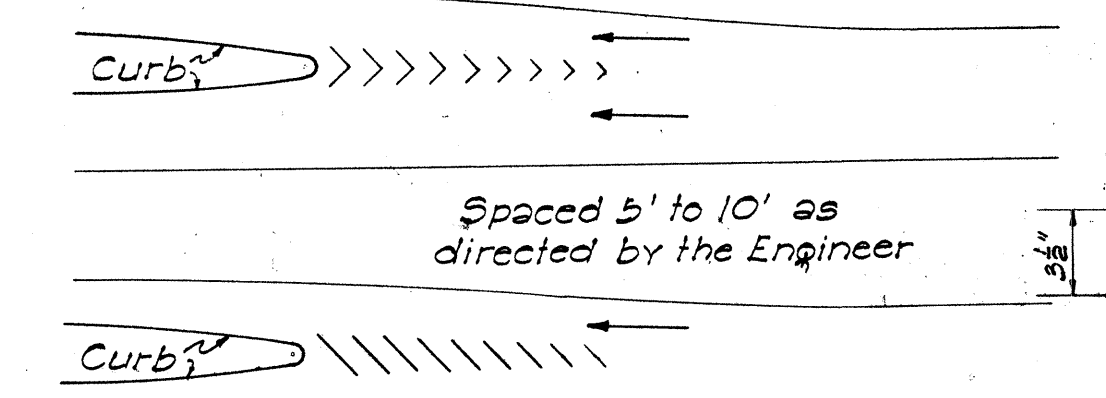
SECTION
RAISED TRAFFIC BARS
SCALE: 1" = 6"



RAISED JIGGLE BARS
SCALE: 1" = 2'-0"

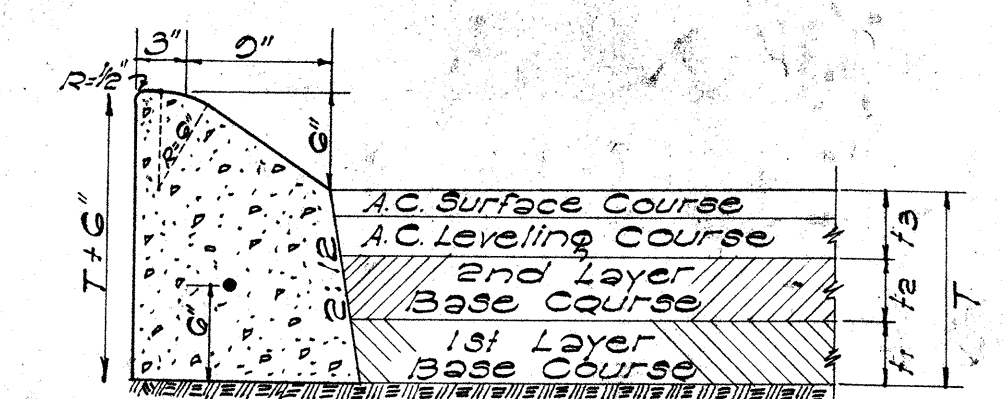


ELEVATION

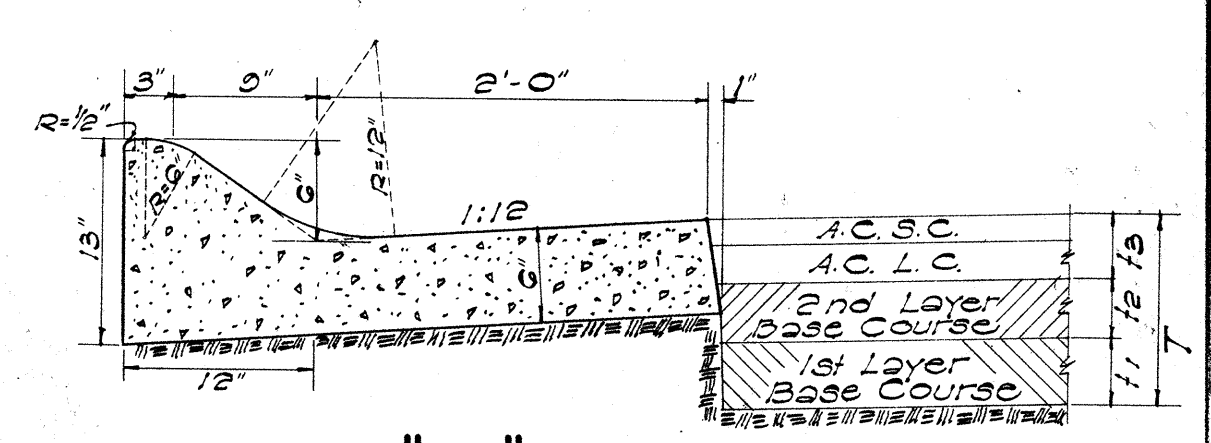


AT CURBED ISLAND
MEDIAN STRIP
NOT TO SCALE

A.C. ROLL CURB
NOT TO SCALE



TYPE "E" CAST-IN-PLACE
CONCRETE CURB
SCALE: 1" = 1'-0"

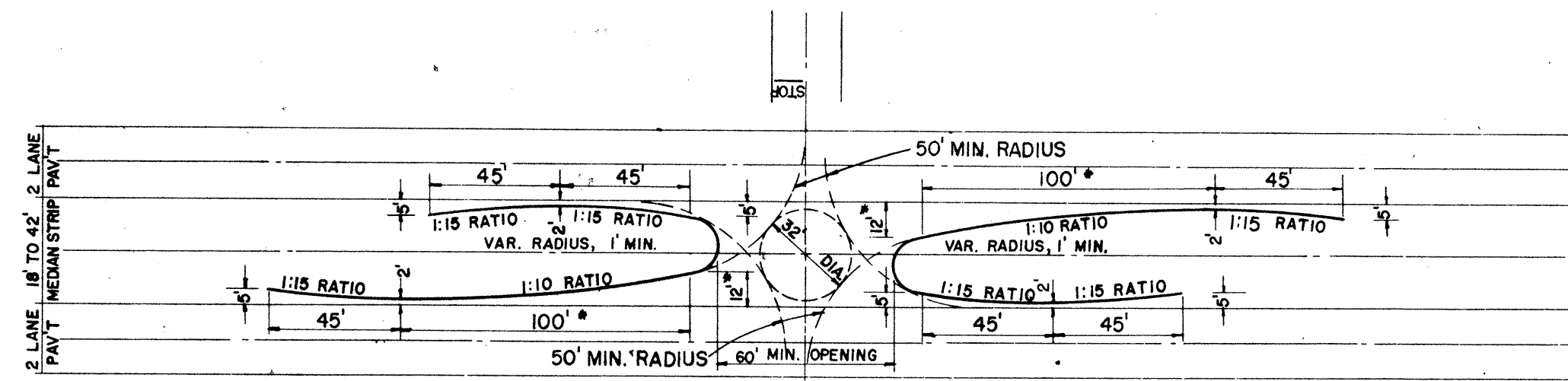


TYPE "EG" CAST-IN-PLACE
CONC. CURB & GUTTER
SCALE: 1" = 1'-0"

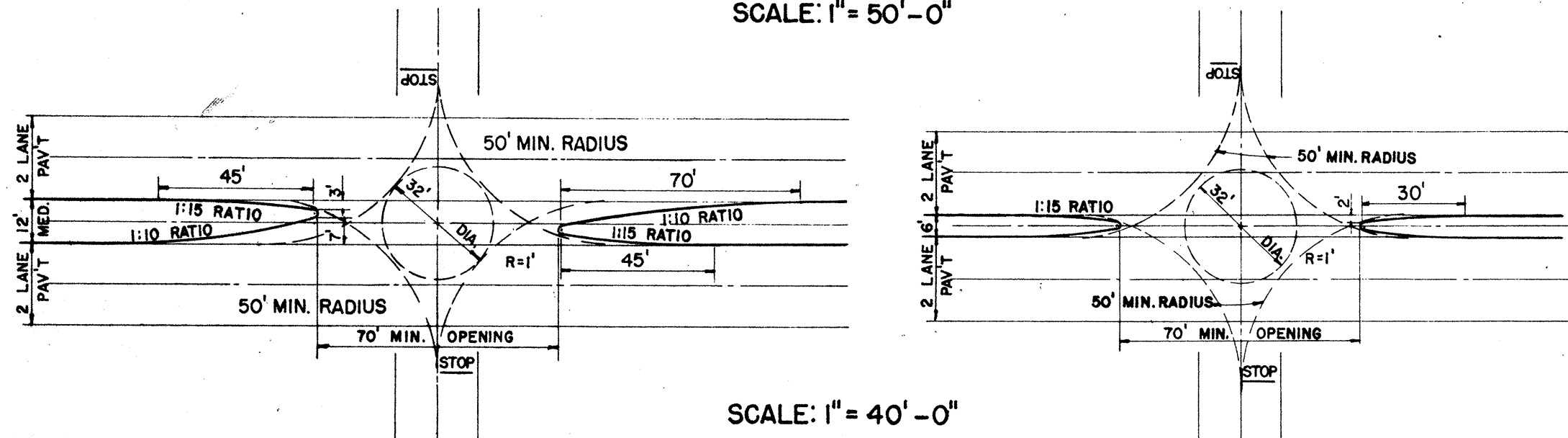
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
CONCRETE CURBS,
CONCRETE CURBS & GUTTERS
SCALES AS NOTED
SHEET No 4 OF 8 SHEETS

APPROVED: *Paul E. Hutter*
TERRITORIAL HIGHWAY ENGINEER
DATE: 6-23-53

SURVEY PLOTTED BY	DATE
PLAN	
DRAWN BY	
CHECKED BY	
NOTE BOOK	
CHECKED BY	



SCALE: 1" = 50'-0"



SCALE: 1" = 40'-0"

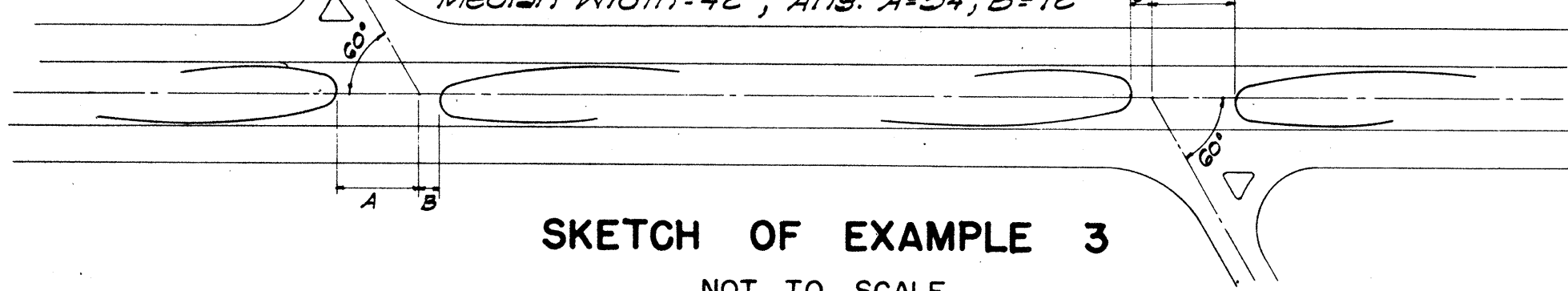
DETAILS OF MEDIAN STRIP OPENINGS

ANGLE OF INTERSECTION	WIDTH OF MEDIAN STRIP									
	42'		36'		30'		24'		18'	
60°	54	12	58	14	58	14	62	14	64	14
65°	48	14	52	16	52	16	56	16	60	16
70°	42	18	46	18	46	18	50	18	54	18
75°	36	24	40	20	40	20	44	20	48	20
80°	32	28	36	24	36	24	38	24	42	24
85°	30	30	32	28	32	28	34	28	36	28
90°	30	30	30	30	30	30	30	30	30	30
95°	30	30	28	32	30	28	34	30	36	32
100°	30	30	24	36	30	24	38	32	42	36
105°	30	30	20	40	28	32	40	36	48	40
110°	28	32	18	46	24	36	18	50	20	48
115°	22	38	16	52	18	46	16	56	18	52
120°	16	44	14	58	12	62	14	64	16	70

CASE 1	R=12 1/2		R=10 1/2		R=8 1/2		R=6 1/2		R=4 1/2	
	12	12	12	12	12	12	12	12	12	12
CASE 2	R=12 1/2		R=10 1/2		R=8 1/2		R=6 1/2		R=4 1/2	
	12	12	12	12	12	12	12	12	12	12

- NOTES:
- 1) A & B = Distance in feet from Island Nose to Centerline of Intersection.
 - 2) In a Crossing Intersection A & B are both equal to the larger distance.
 - 3) In a T Intersection A & B must be measured as shown below. The larger distance is always on the same side with the acute angle.
 - 4) The minimum radius of 50 ft. should always be scribed on a large scale drawing so that no misinterpretation of the tabulated values is made.

- EXAMPLES:
1. Given Crossing Type, Case 1, Δ = 60°, Median Width = 36', Ans. A = B = 54'
 2. Given T Type, Case 1, Δ = 60°, Median Width = 42', Ans. A = 54', B = 18'

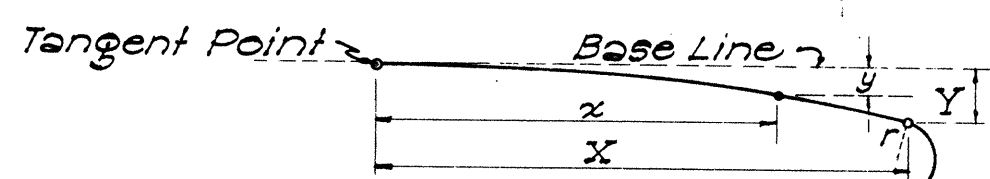


SKETCH OF EXAMPLE 3
NOT TO SCALE

These Curves are based upon the following formula:

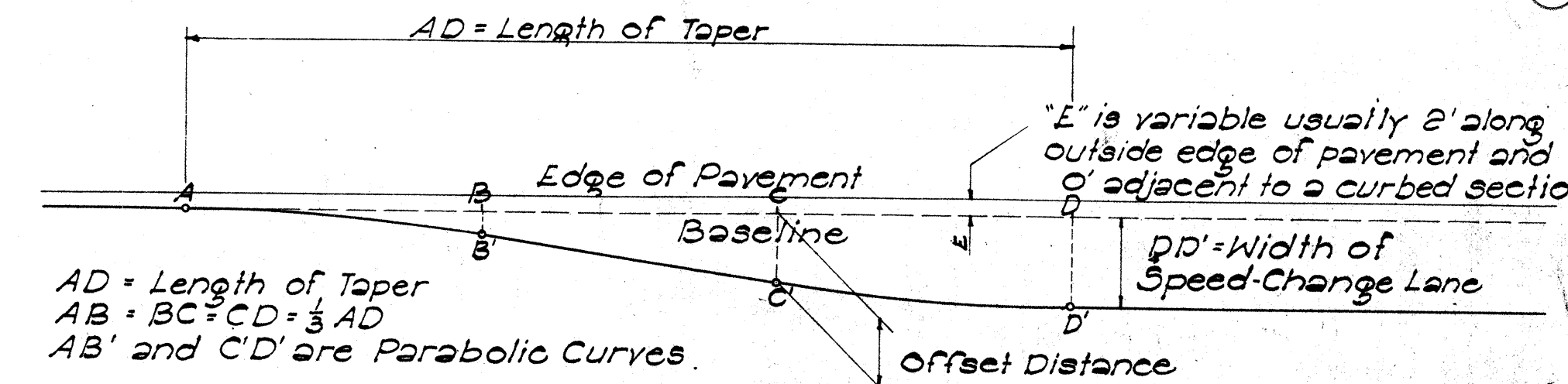
$$y = \frac{Yx^2}{X^2}$$

where: y = any offset, x = its tangent dist
X = maximum tangent distance
Y = maximum offset



RATIO CURVE DATA									
Dist. (ft.)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)	Offset in Feet (Y)
10	0.22	0.15	0.20	0.14	0.11	0.10	0.09	0.08	0.07
20	0.88	0.59	0.80	0.57	0.44	0.40	0.37	0.34	0.31
30	2.00	1.33	1.80	1.20	1.00	0.90	0.80	0.71	0.63
40		2.31	3.20	2.20	1.78	1.60	1.44	1.28	1.13
50			5.00	3.57	2.78	2.50	2.20	1.94	1.70
60				5.14	4.00	3.60	3.20	2.86	2.54
70					5.44	4.40	4.00	3.56	3.14
80						5.71	4.78	4.28	3.80
90							6.00	5.00	4.50
100								6.25	5.62

NOTE: Any ratio curve in this tabulation is designated by the maximum offset and its tangent distance



TAPER FOR SPEED-CHANGE LANES

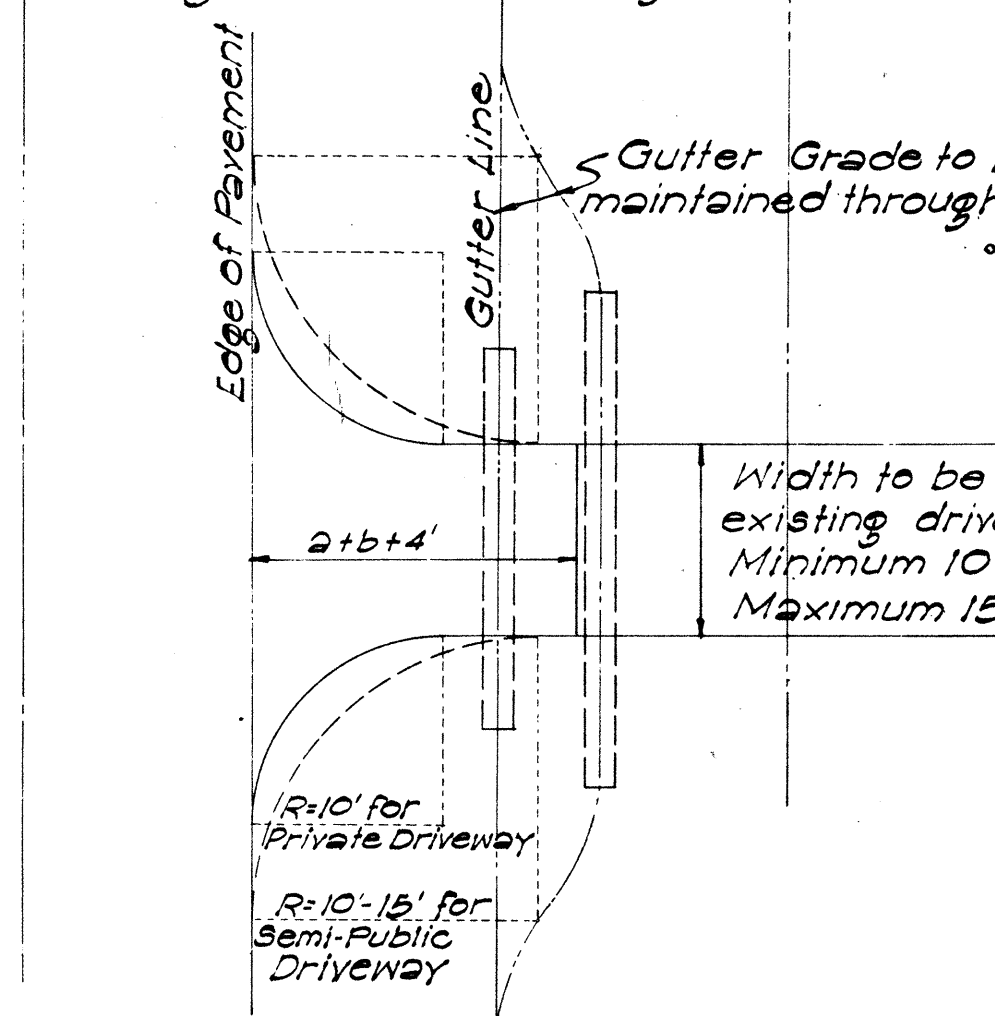
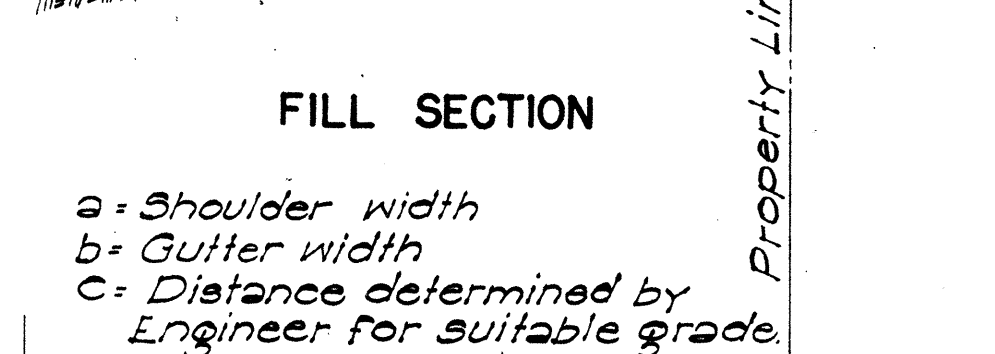
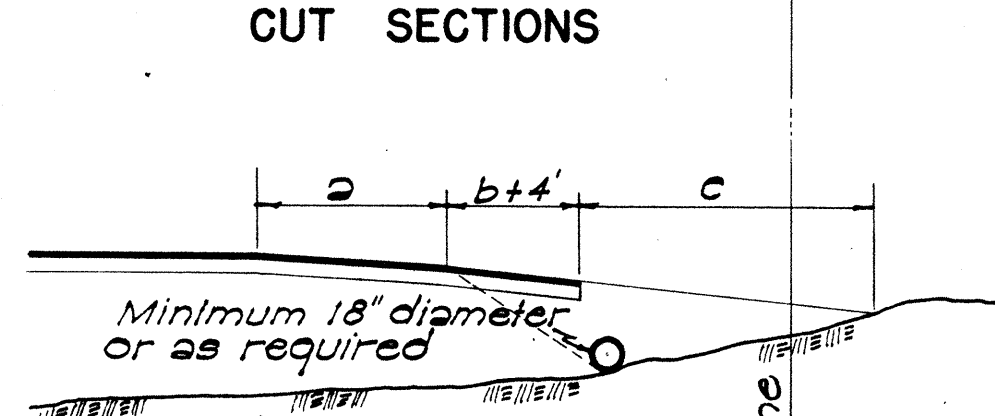
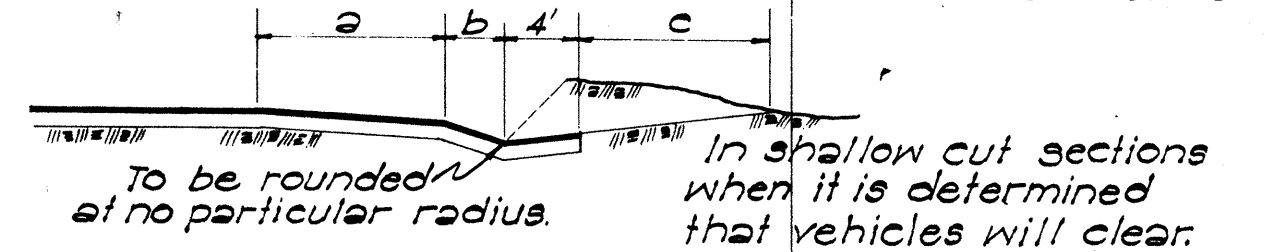
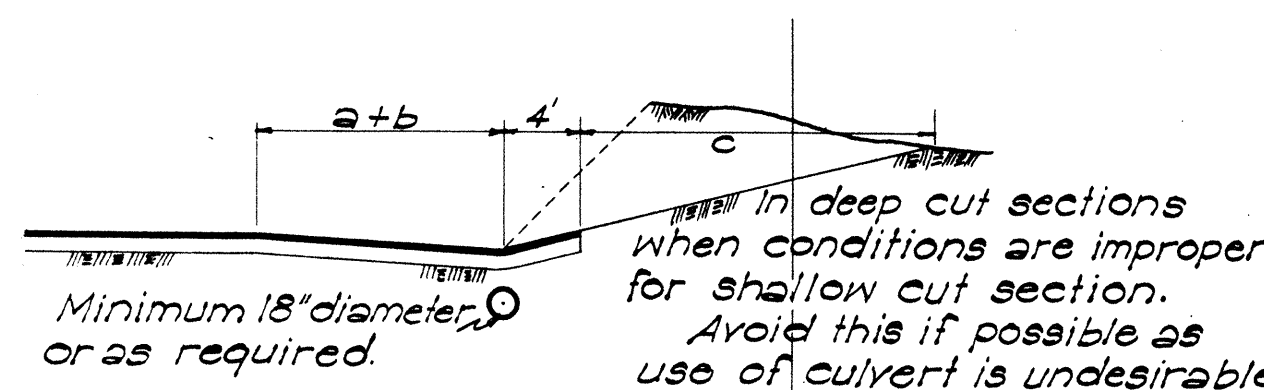
SCALE: 1" = 20'-0"

MINIMUM LENGTHS OF SPEED-CHANGE LANES & TAPER					
RAMP DESIGN SPEED (MPH)	20	30	40	50	
MIN. CURVE RADIUS (FT.)	50	120	250	500	
HIGHWAY DESIGN SPEED (MPH)	20	30	40	50	
AVE. SPEED OF TRAVEL (MPH)	20	30	40	50	
LENGTH OF TAPER (FEET)	20	30	40	50	
TOTAL LENGTH OF DECELERATION LANE INCLUDING TAPER (Feet)					
20	20	20	20	20	
30	120	120	120	120	
40	250	250	250	250	
50	500	500	500	500	
TOTAL LENGTH OF ACCELERATION LANE INCLUDING TAPER (Feet)					
20	20	20	20	20	
30	120	120	120	120	
40	250	250	250	250	
50	500	500	500	500	

FOLLOWING TABLE GIVES OFFSETS FROM BASELINE PARALLEL TO EDGE OF PAVEMENT AT INTERVALS MEASURED FROM POINT "A". ADD "E" FOR MEASUREMENT FROM EDGE OF PAVT

OFFSET FROM BASELINE (FT.)	LENGTH OF TAPER (Feet) = AD									
	20	30	40	50	60	70	80	90	100	110
0	0	0	0	0	0	0	0	0	0	0
10	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
20	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
30	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
40	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
50	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17
60	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
70	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
80	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
90	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
100	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
110	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17
120	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67

*Where edge of pavement is a curve, neither Baseline nor Taper between B' and C' will be a tangent. Use proportional offset from B' to C'.



PRIVATE AND SEMI-PUBLIC DRIVEWAYS

SCALE: 1" = 10'-0"

RIGHT ANGLE APPROACH

OBLIQUE ANGLE APPROACH

SIDE ROAD APPROACHES
THREE CENTERED COMPOUND CURVE

SCALE: 1" = 30'-0"

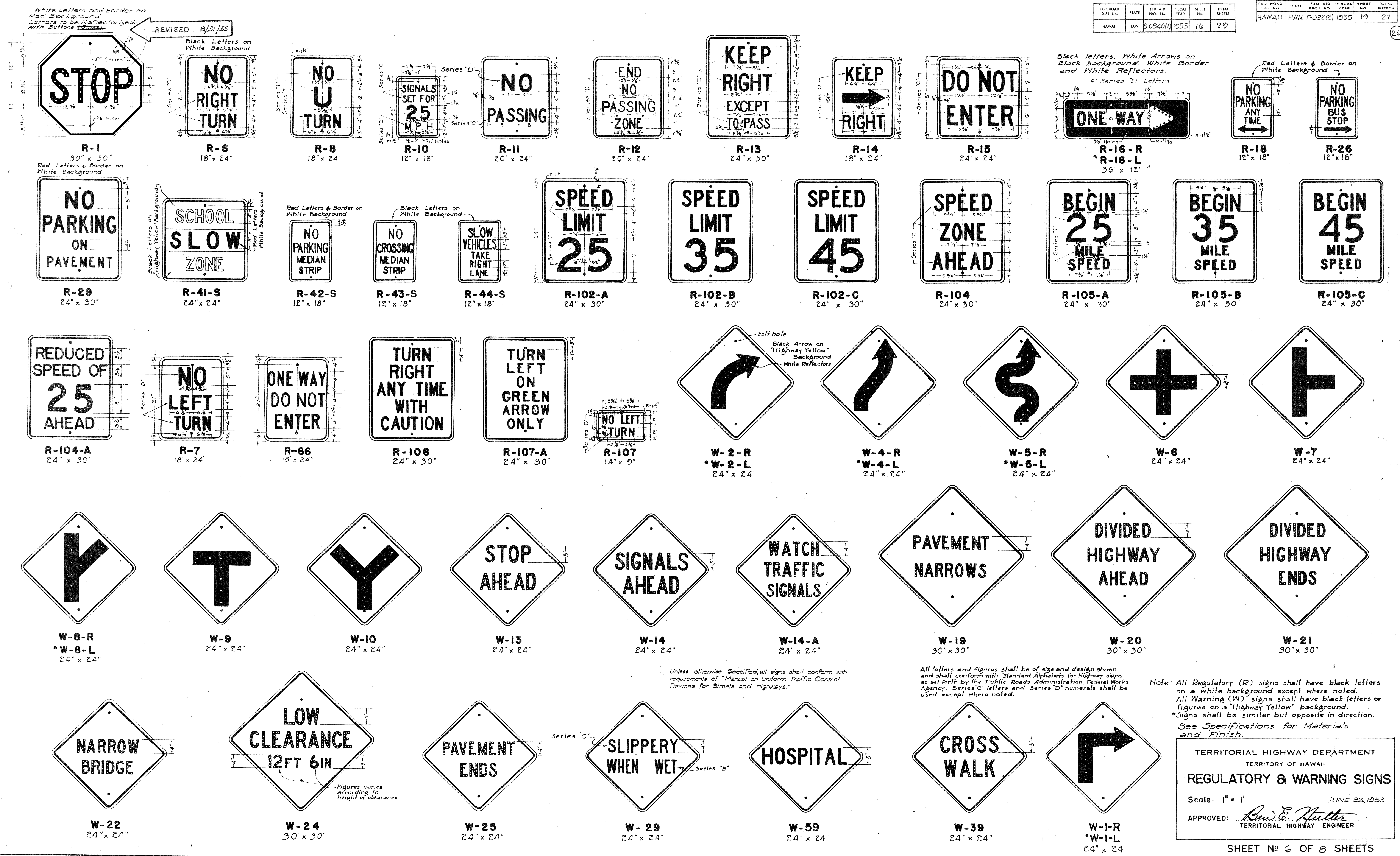
APPROVED: DATE 6-22-53
Territorial Highway Engineer

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
DRIVEWAYS, SPEED-CHANGE LANES,
MEDIAN STRIPS & APPROACHES
SCALES AS NOTED

SHEET No 5 OF 8 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0340(1)	1955	16	22

FED ROAD DIST NO.	STATE	FED AID PROJ NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-032(2)	1955	19	27



Note: Stop Sign
has been Revised.
12/10/54
6/8/55

60,23,54

Unless otherwise Specified, all signs shall conform with requirements of "Manual on Uniform Traffic Control Devices for Streets and Highways."

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.
See Specifications for Materials and Finish.

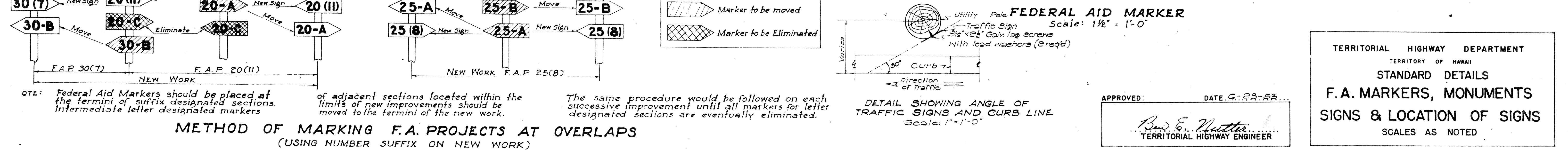
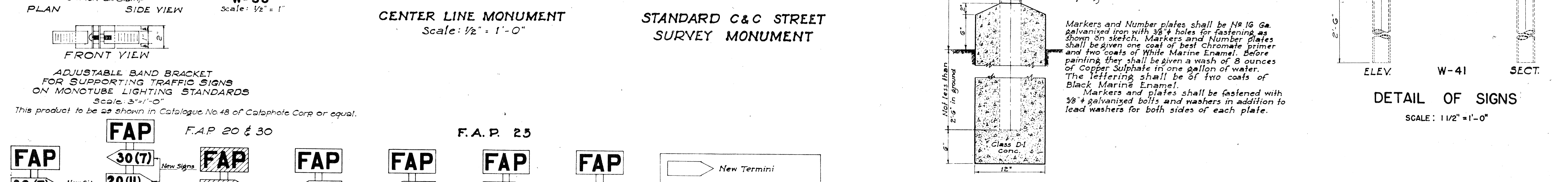
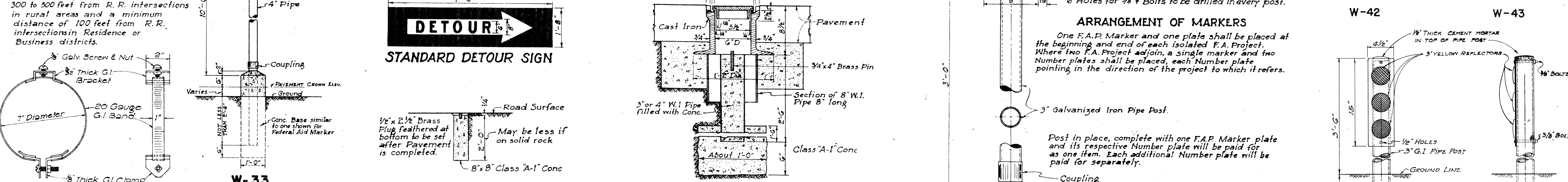
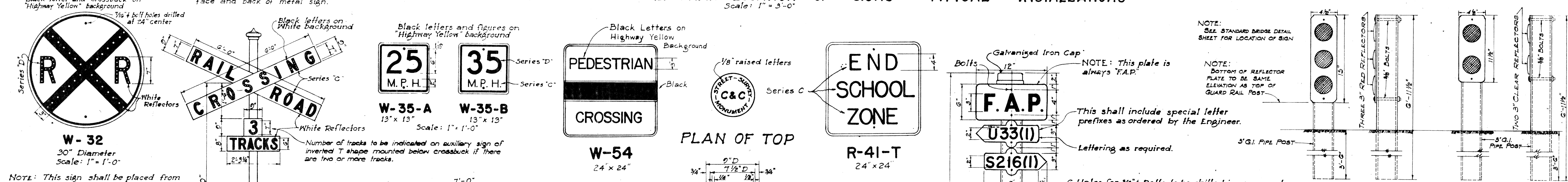
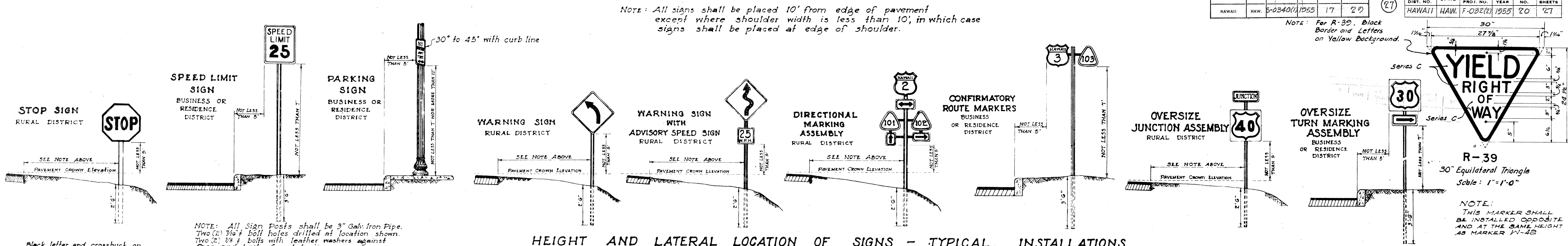
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
REGULATORY & WARNING SIGNS
Scale: 1" = 1' JUNE 23, 1953
APPROVED: *B. E. Hutter*
TERRITORIAL HIGHWAY ENGINEER

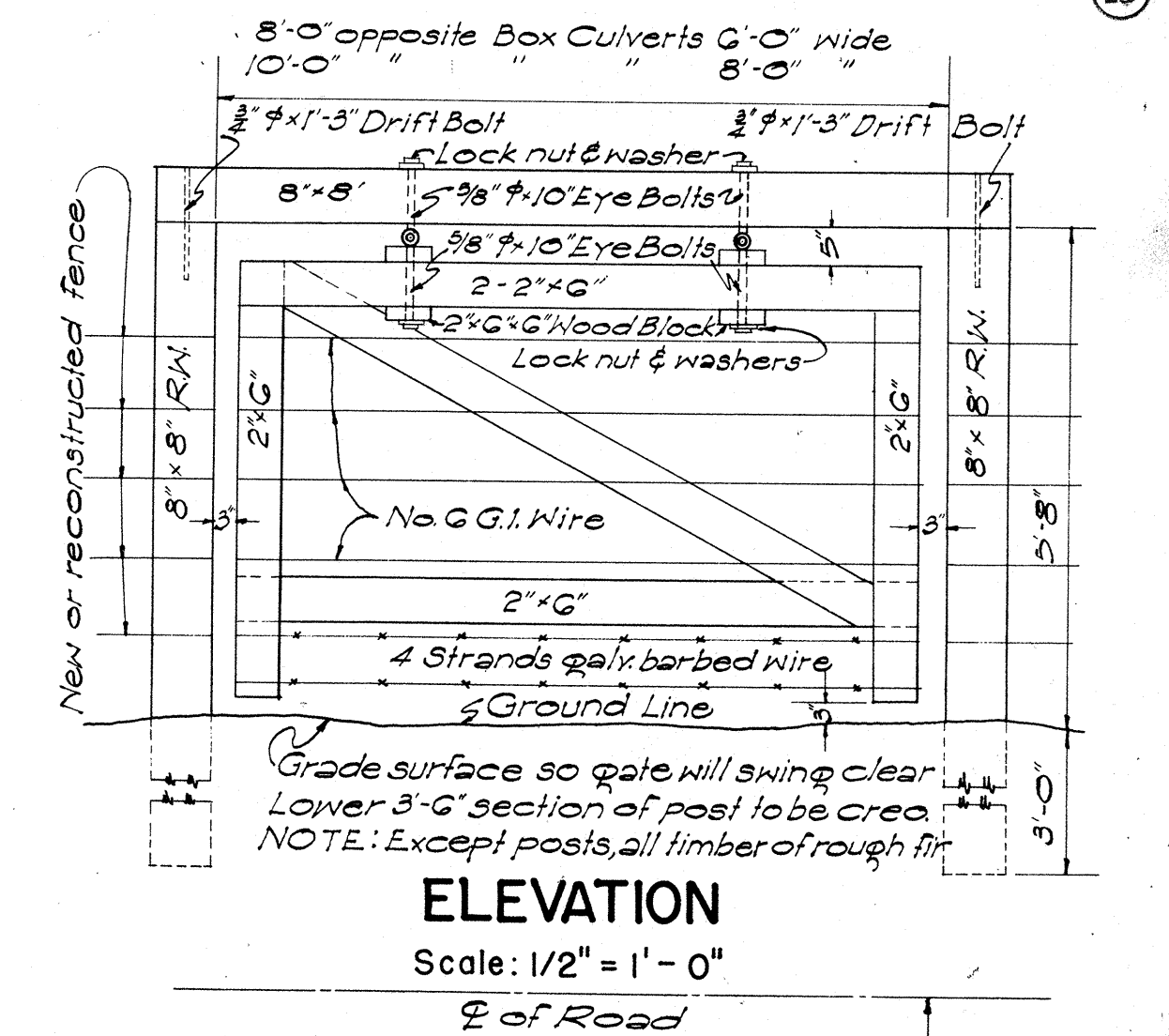
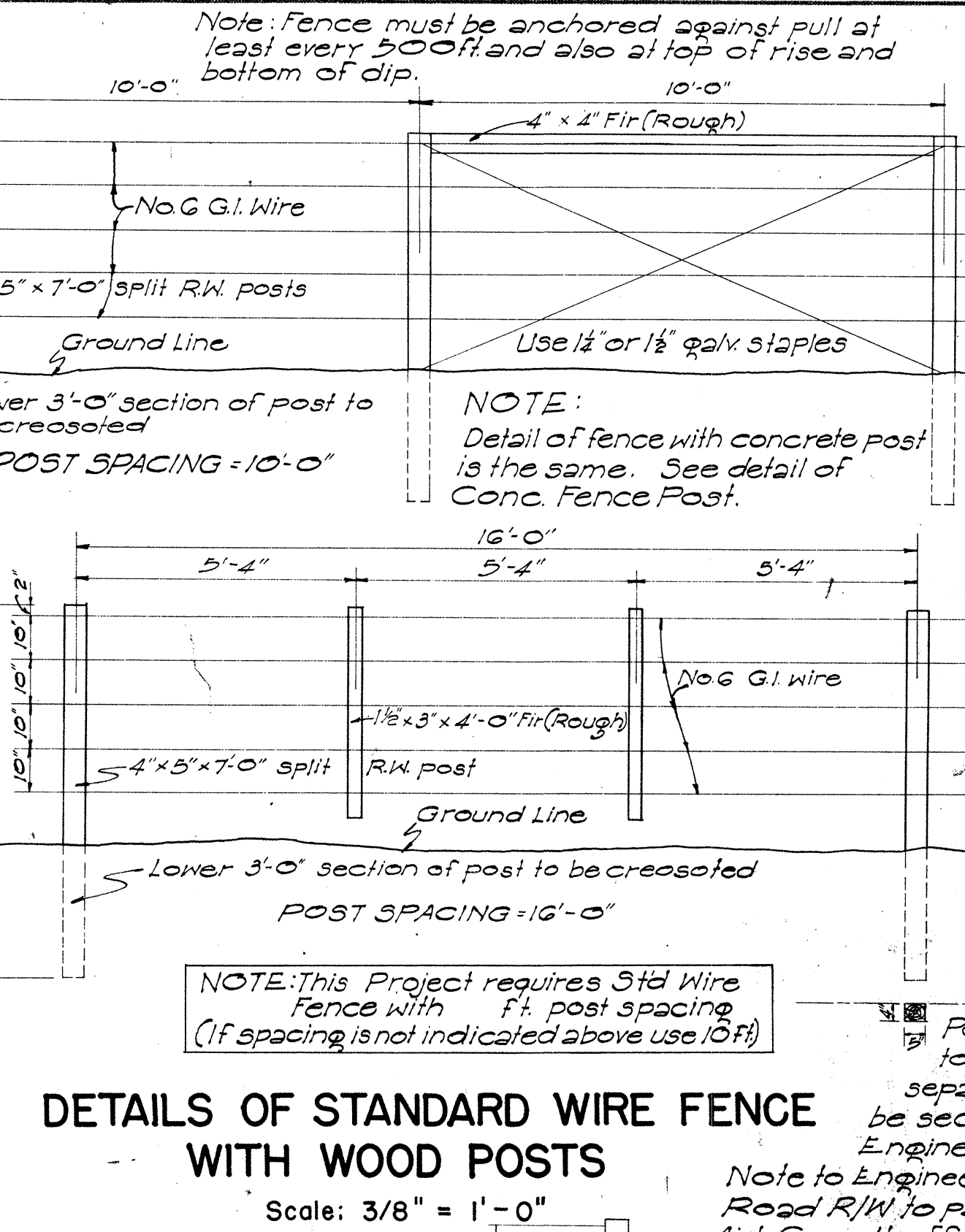
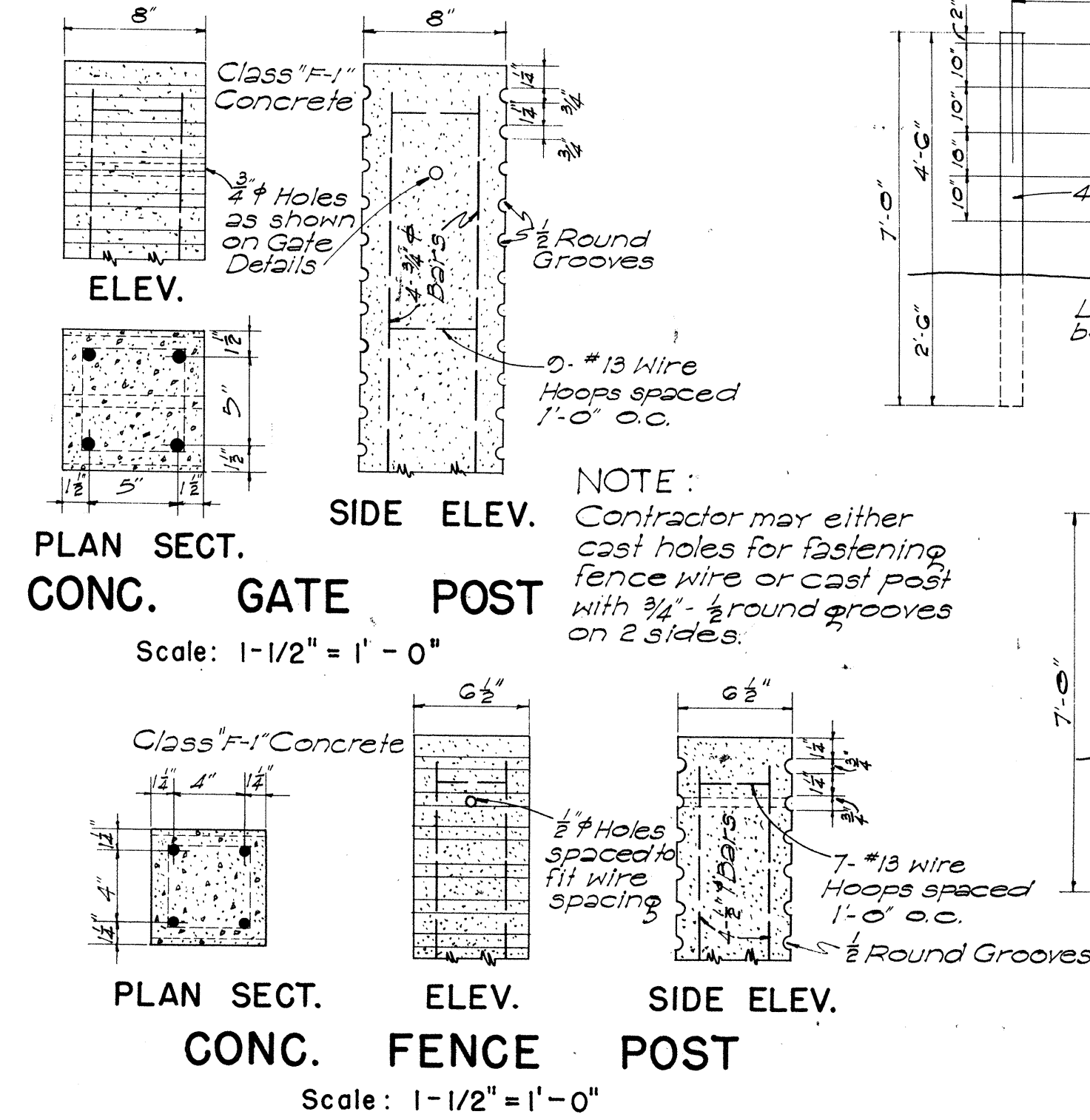
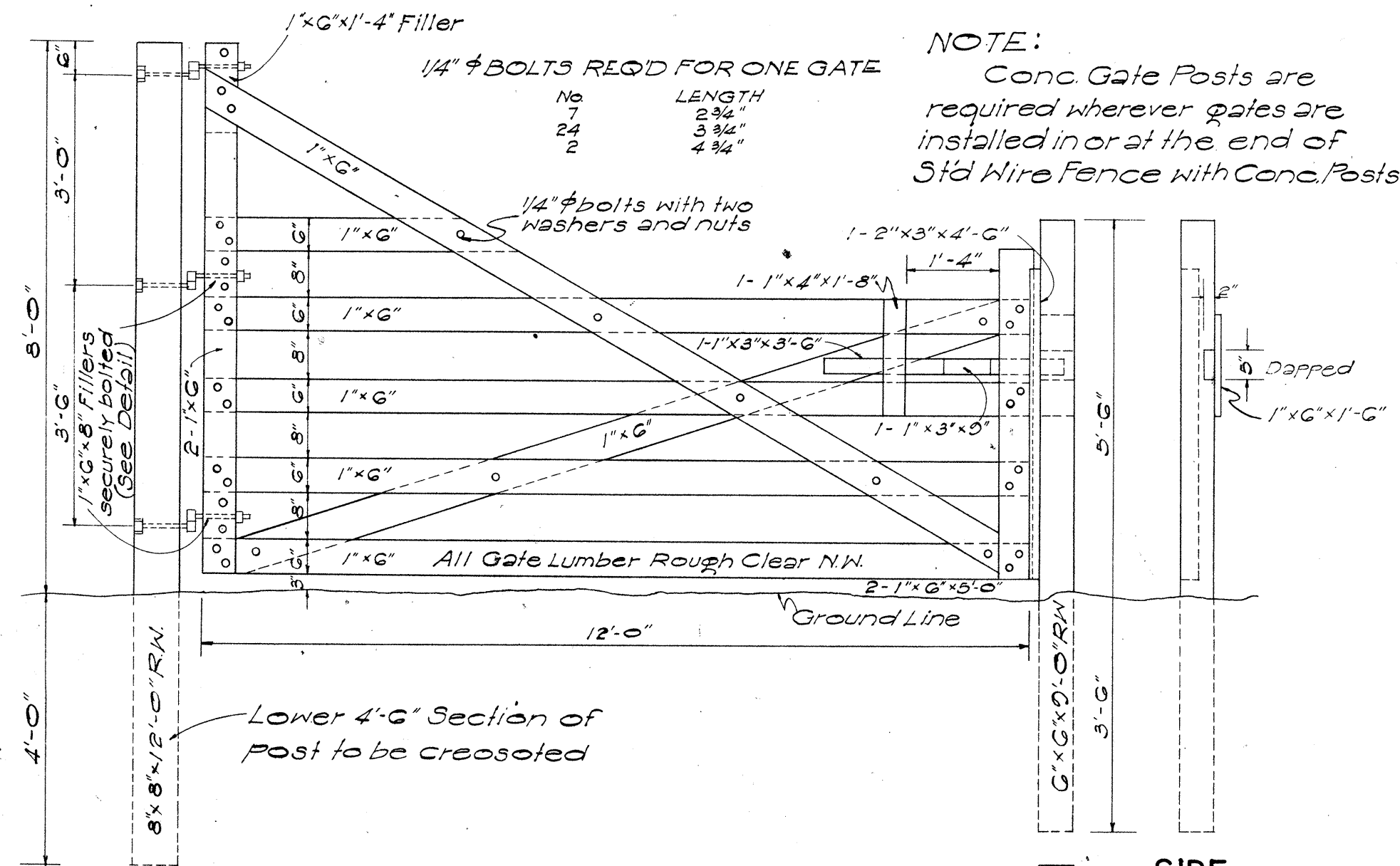
5747.16

5748.19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0340(1)	1955	17	29

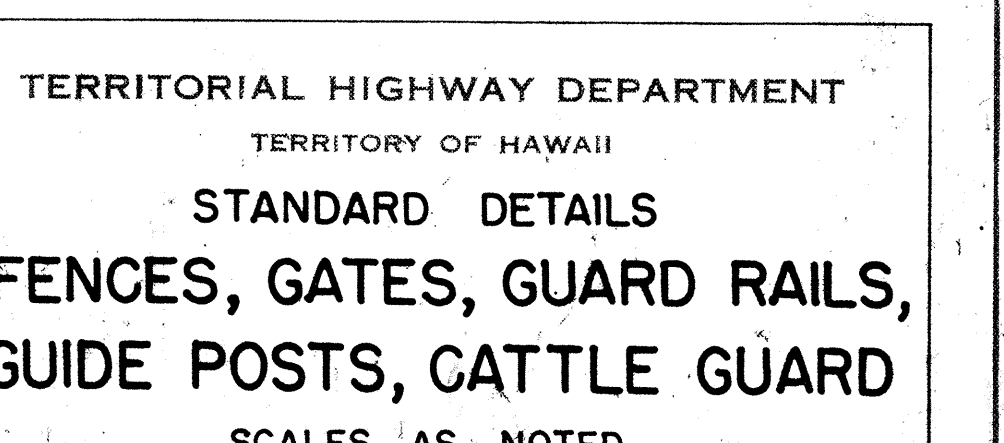
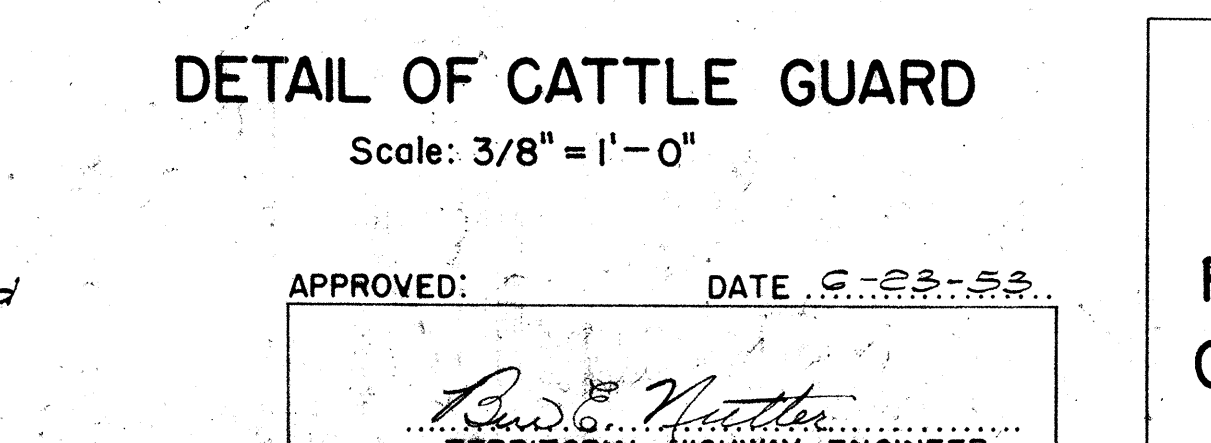
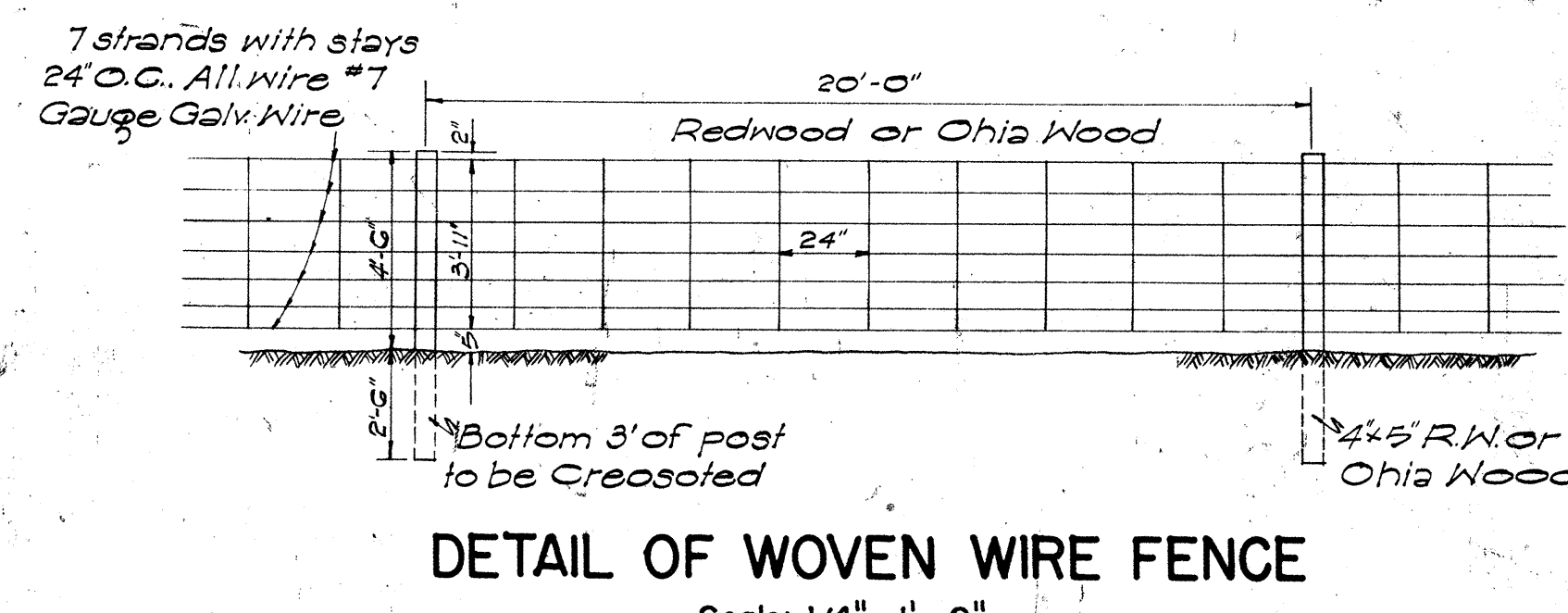
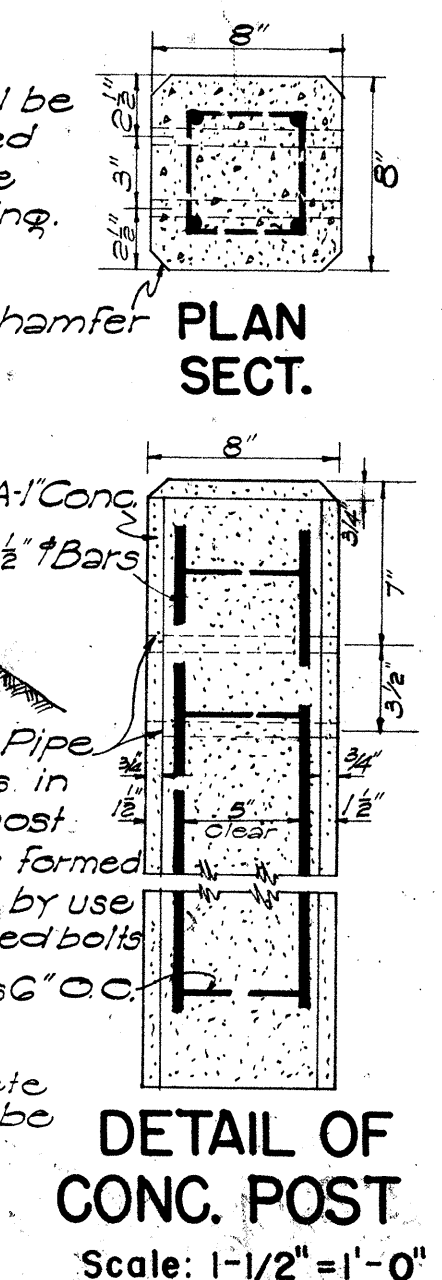
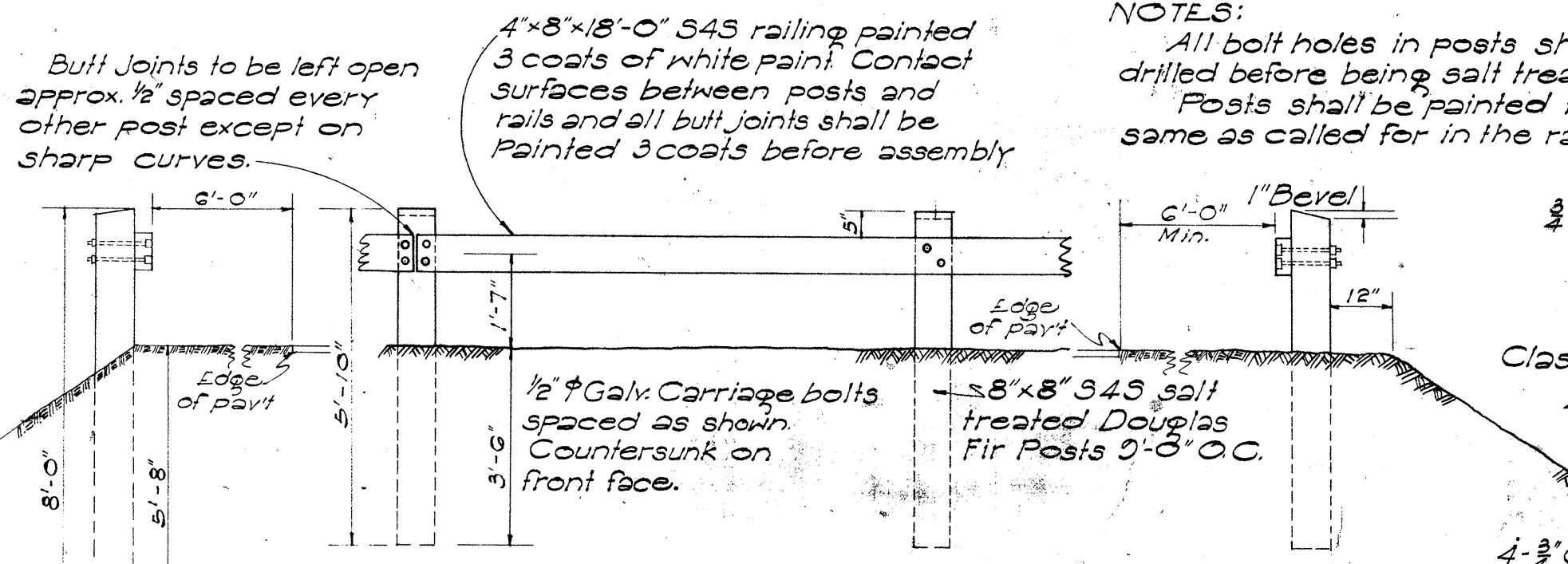
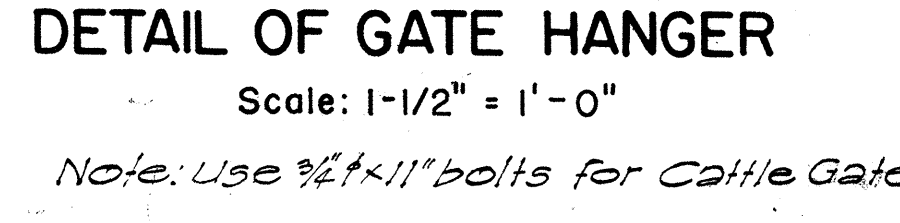
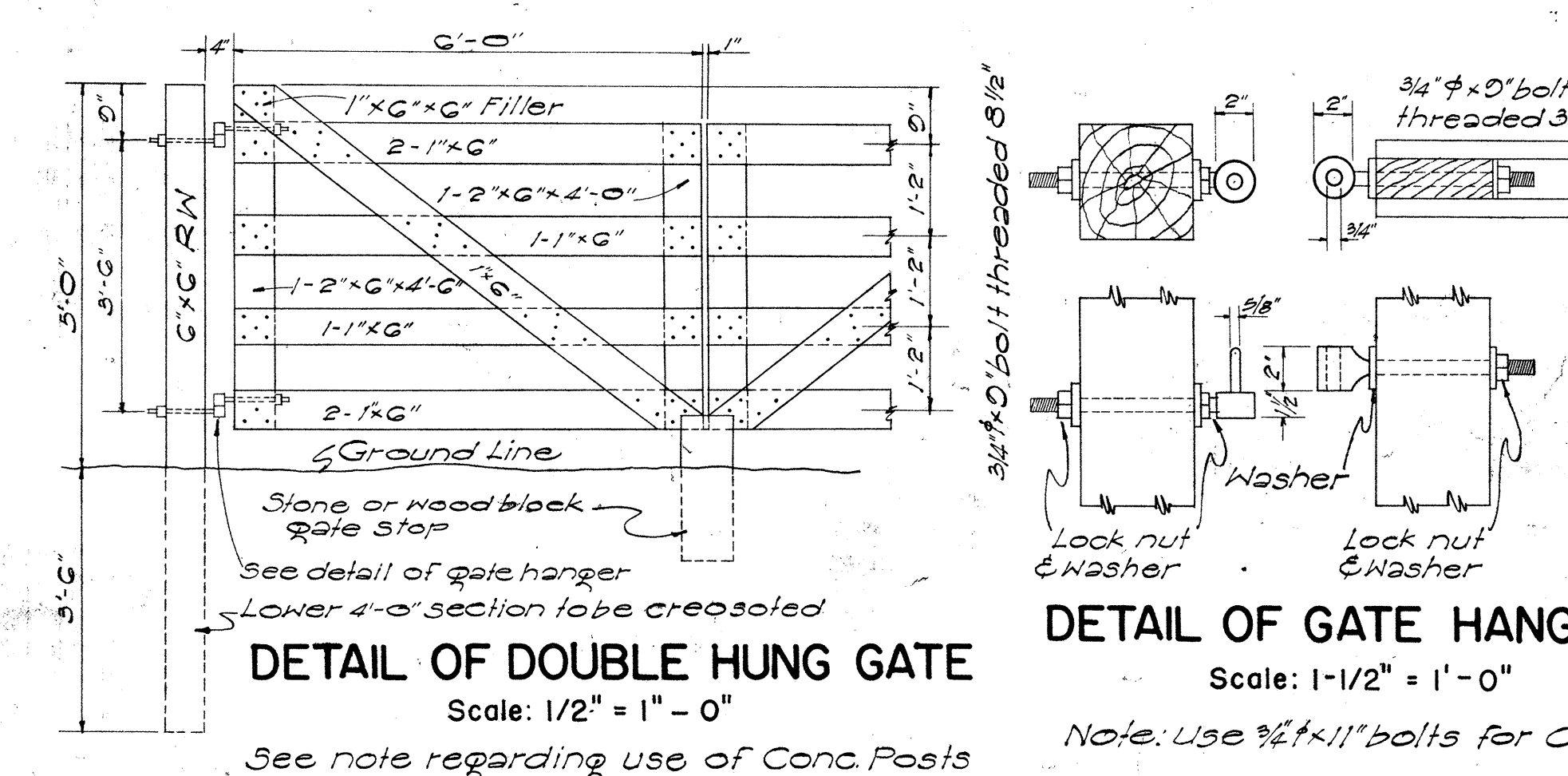
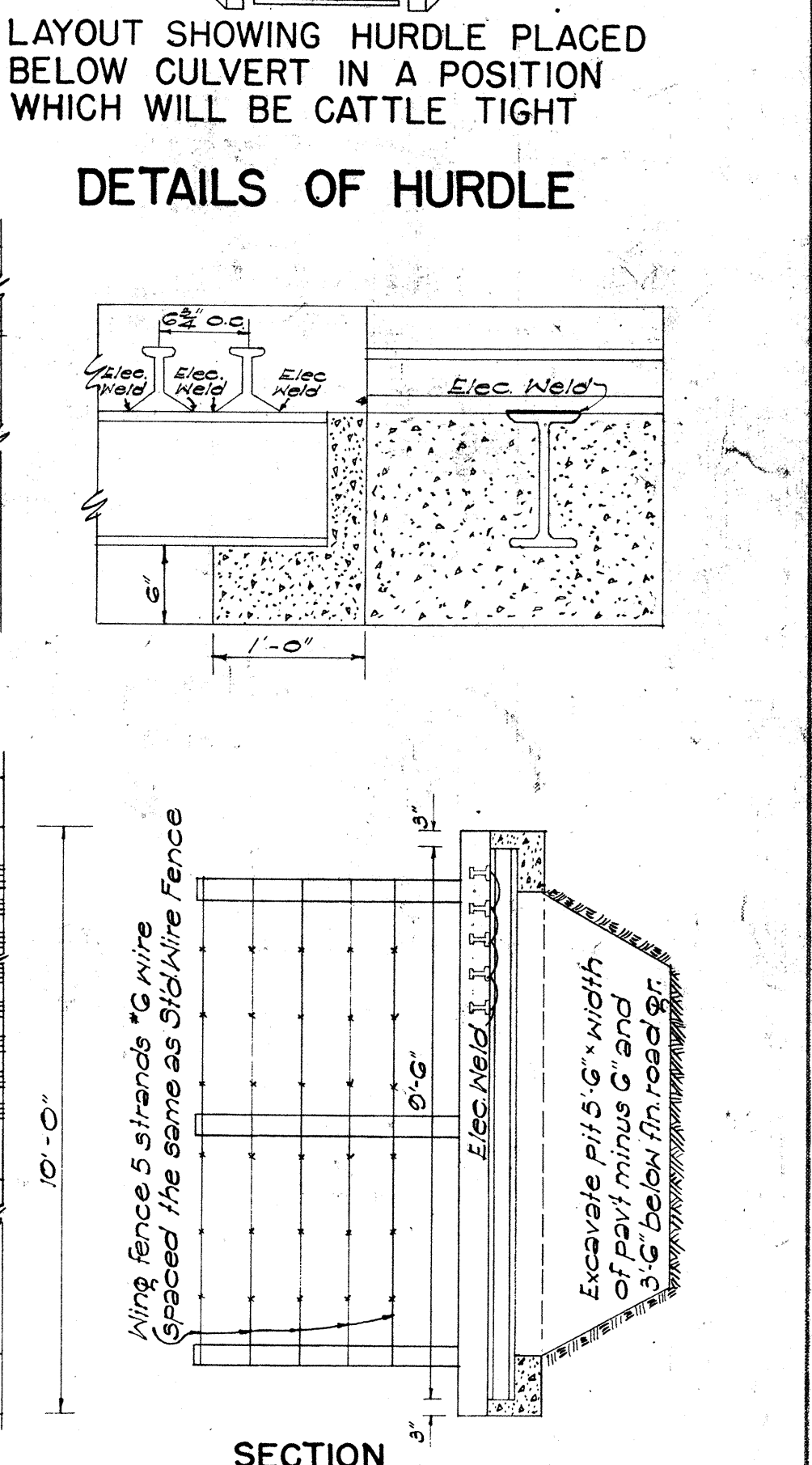
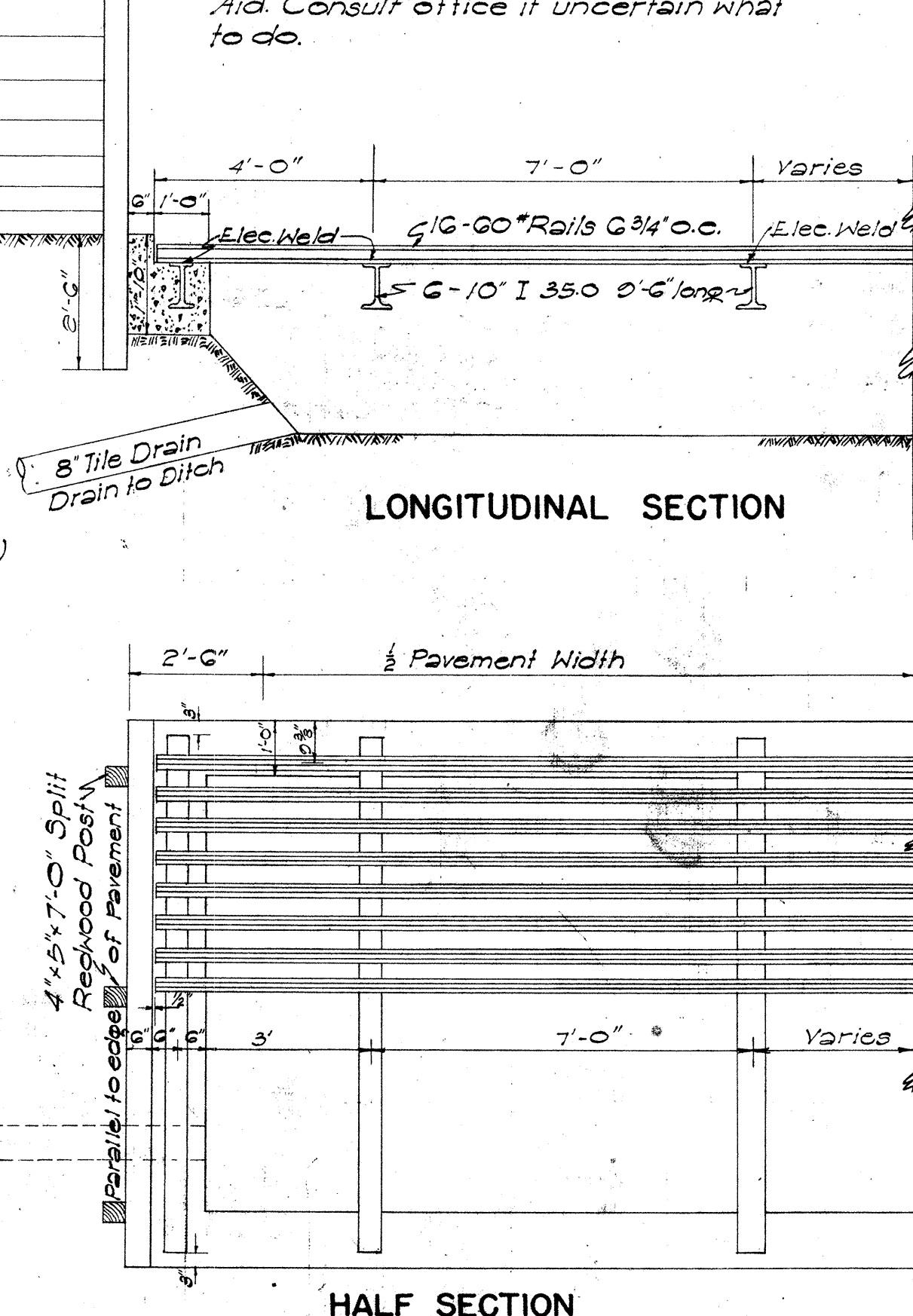
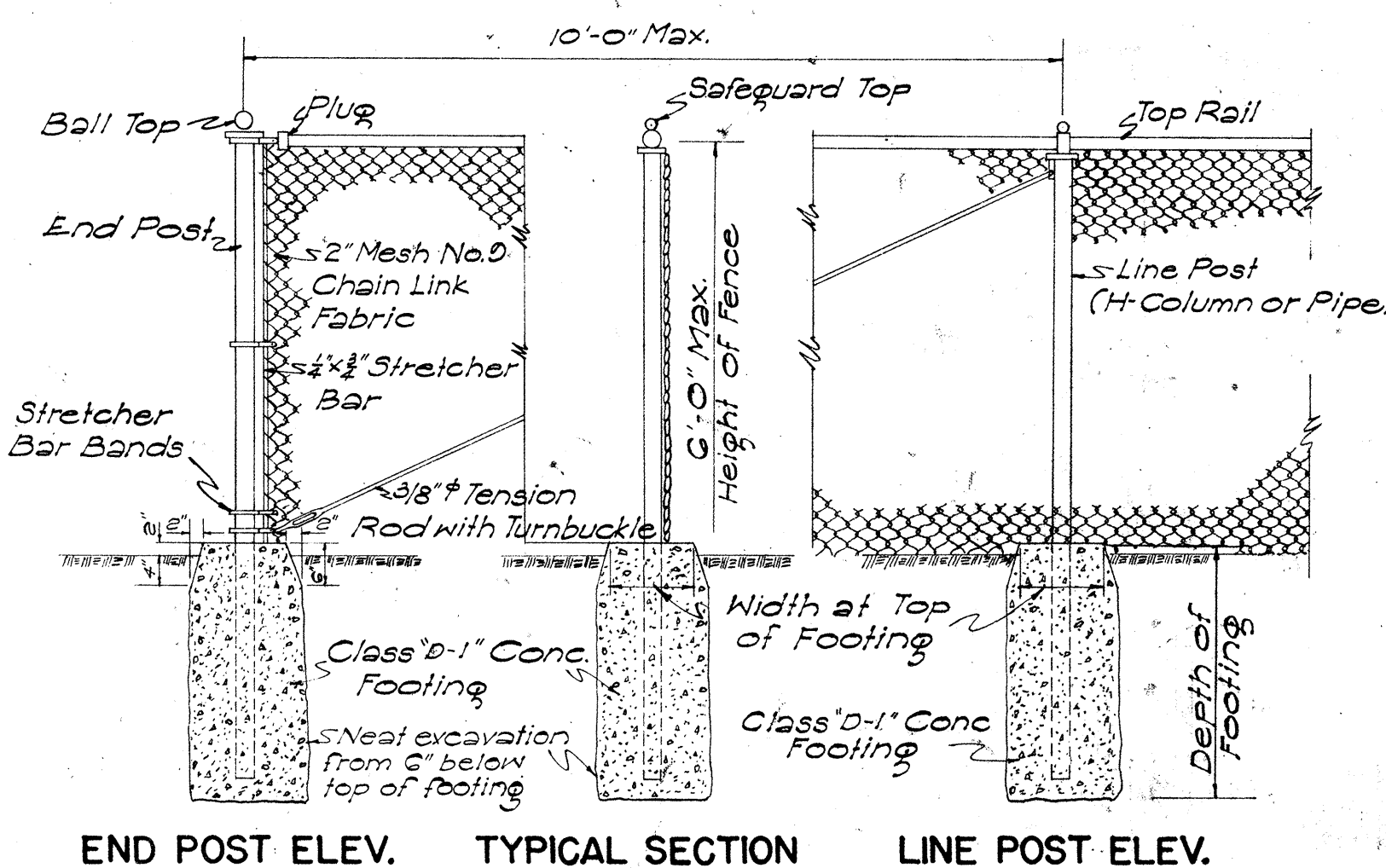
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-0322(1)	1955	20	27





SCHEDULE FOR CHAIN LINK FENCE

Height of Fence	Line Post	End Post	Top Rail	Depth of Footing	Top of Footing	Length of Posts
3'	2.8" x 1/4" x 10'	2' x 4"	1/4" x 4"	30" x 24"	8" sq.	5'-0" x 5'-0"
4'	2.8" x 1/4" x 10'	2' x 4"	1/4" x 4"	30" x 24"	8" sq.	5'-0" x 5'-0"
5'	2.8" x 1/4" x 10'	2' x 4"	1/4" x 4"	36" x 36"	12" sq.	5'-0" x 5'-0"
6'	4.1" x 1/4" x 10'	3' x 4"	1/4" x 4"	36" x 36"	12" sq.	5'-0" x 5'-0"



GUIDE POSTS: Wood or Conc. Guide Posts are the same as those used for Wood Guard Rail spaced as shown on plans.

NOTE: For Conc. Post see detail at right.

APPROVED: *Ray M. Hunter*
TERRITORIAL HIGHWAY ENGINEER

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
FENCES, GATES, GUARD RAILS,
GUIDE POSTS, CATTLE GUARD
SCALES AS NOTED