

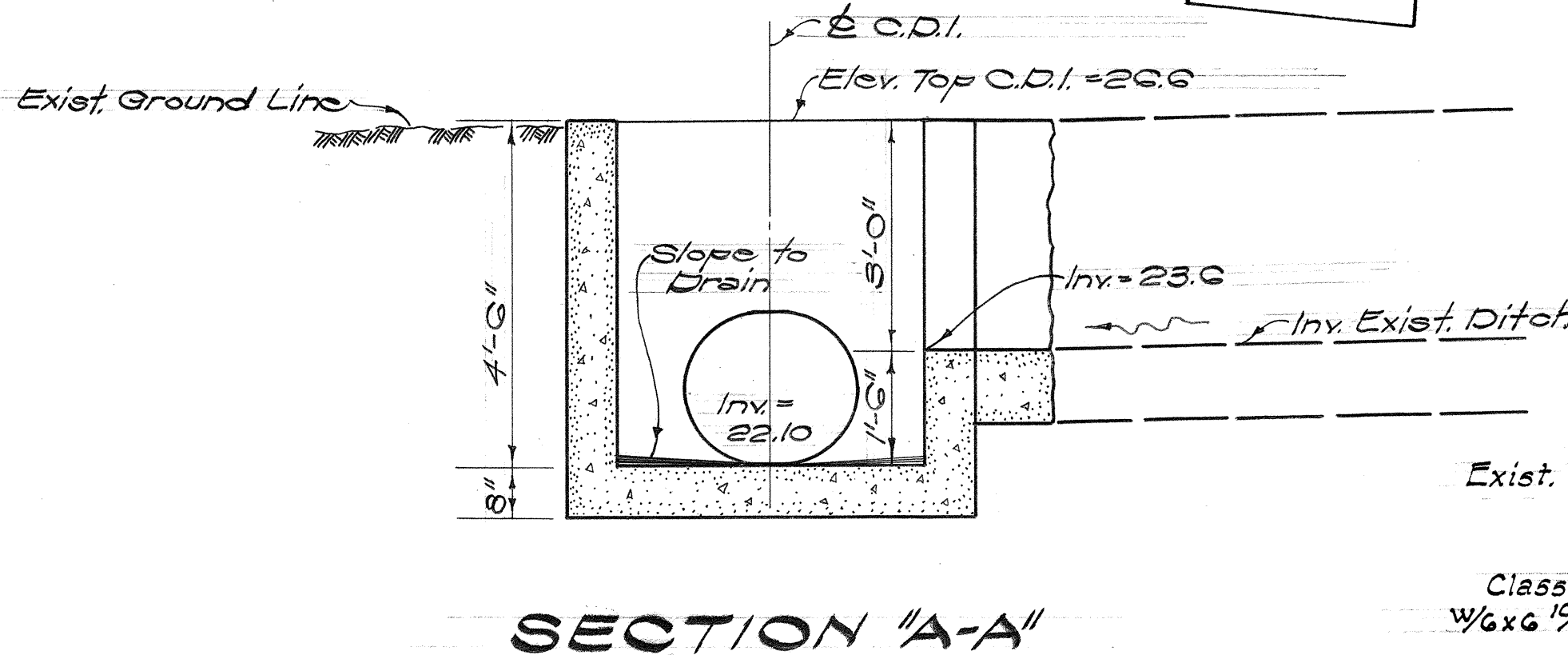
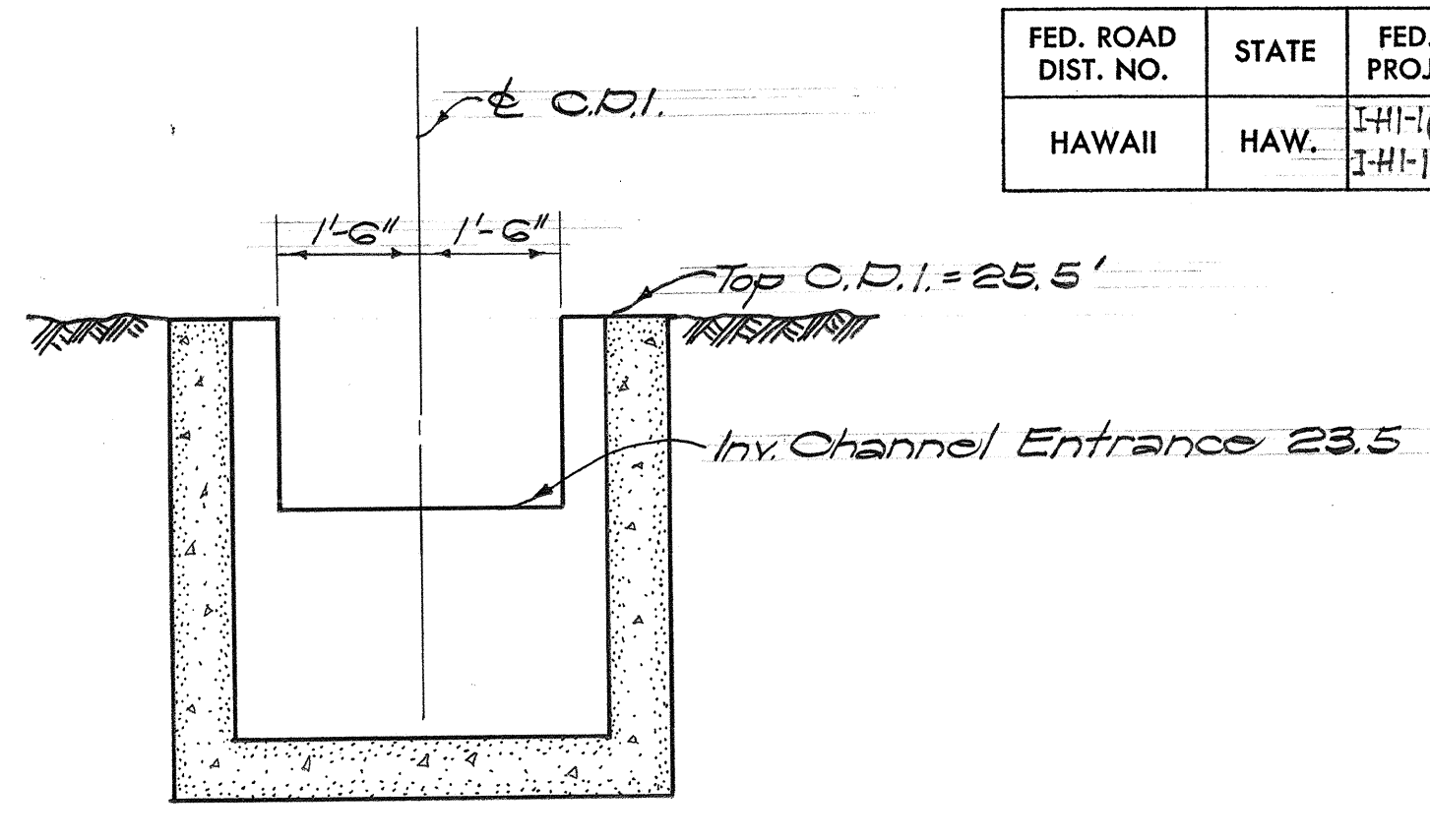
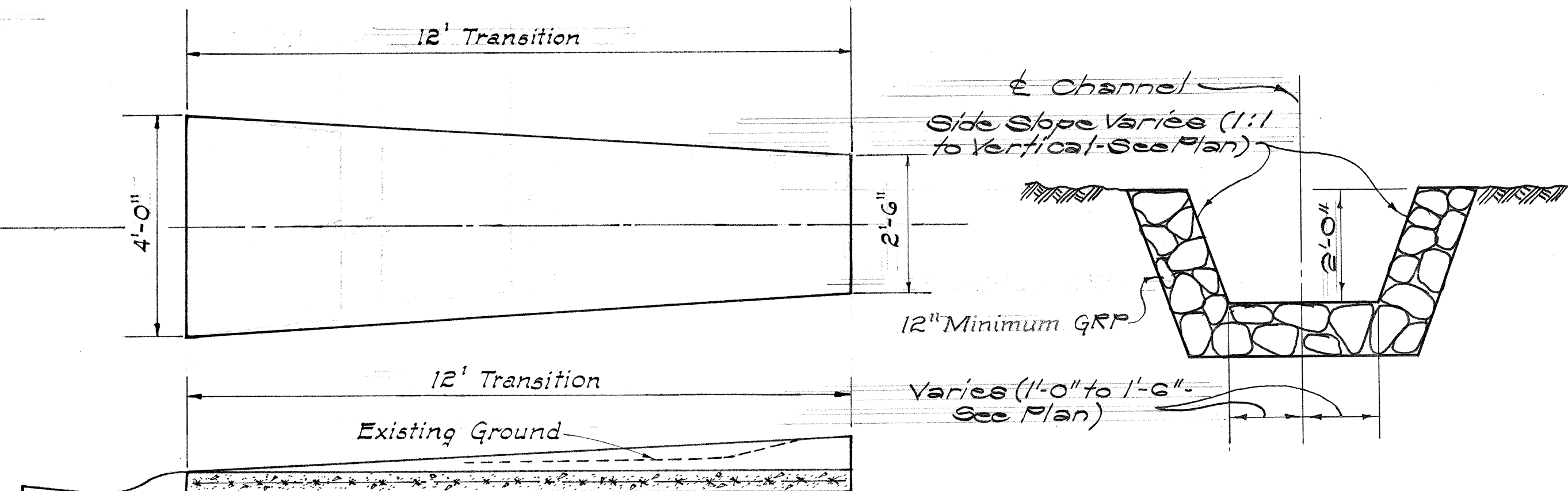
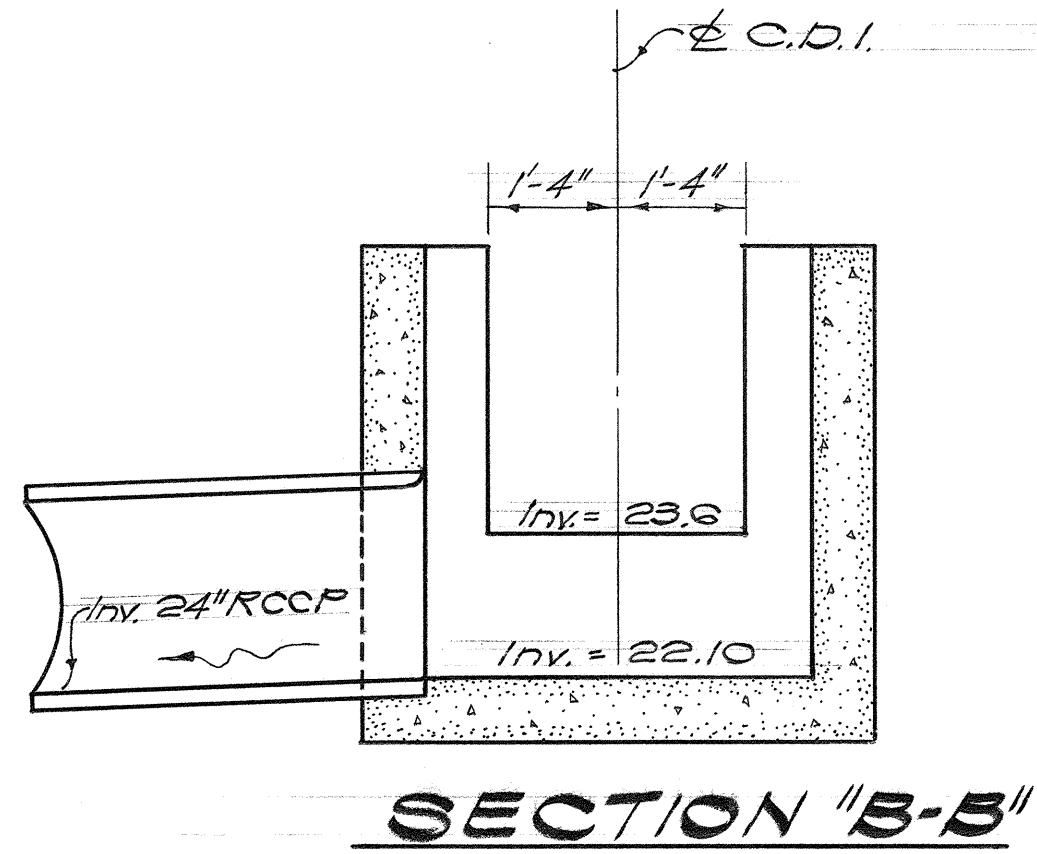
S U M M A R Y

ORIGINAL PLAN	SURVEY PLOTTED BY		DATE	
	DRAWN BY	TRACED BY	14	14
NOTE BOOK	DESIGNED BY		14	
	QUANTITIES BY		14	14
No.	CHECKED BY		14	
			14	14

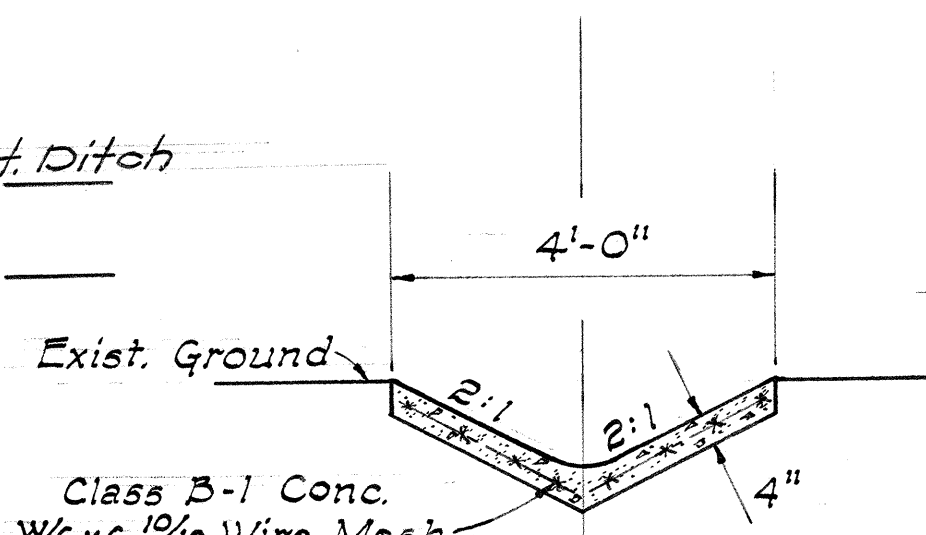
SHEET No. / OF 4 SHEETS

3 5

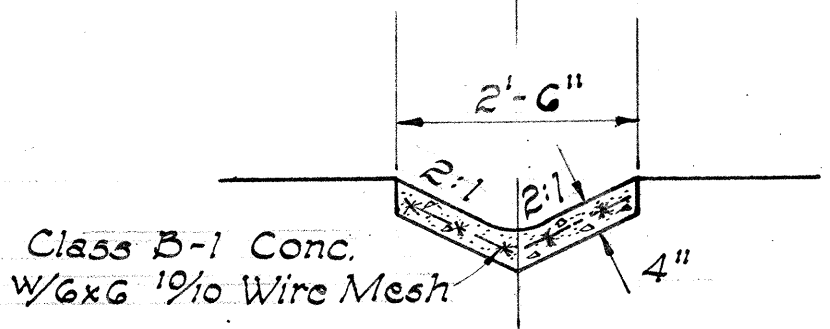
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(63):11 I-HI-1(16):11	1960	36	98



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



TYPE "A" CONC. LINED SWALE
Scale: 1/2" = 1'-0"

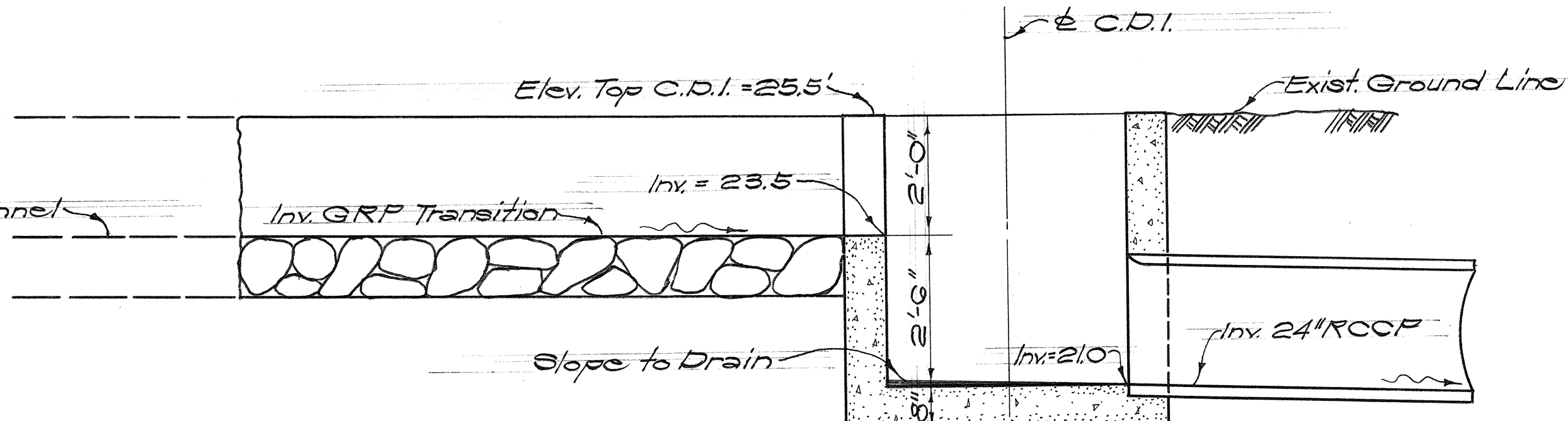


TYPE "B" CONC. LINED SWALE
Scale: 1/2" = 1'-0"

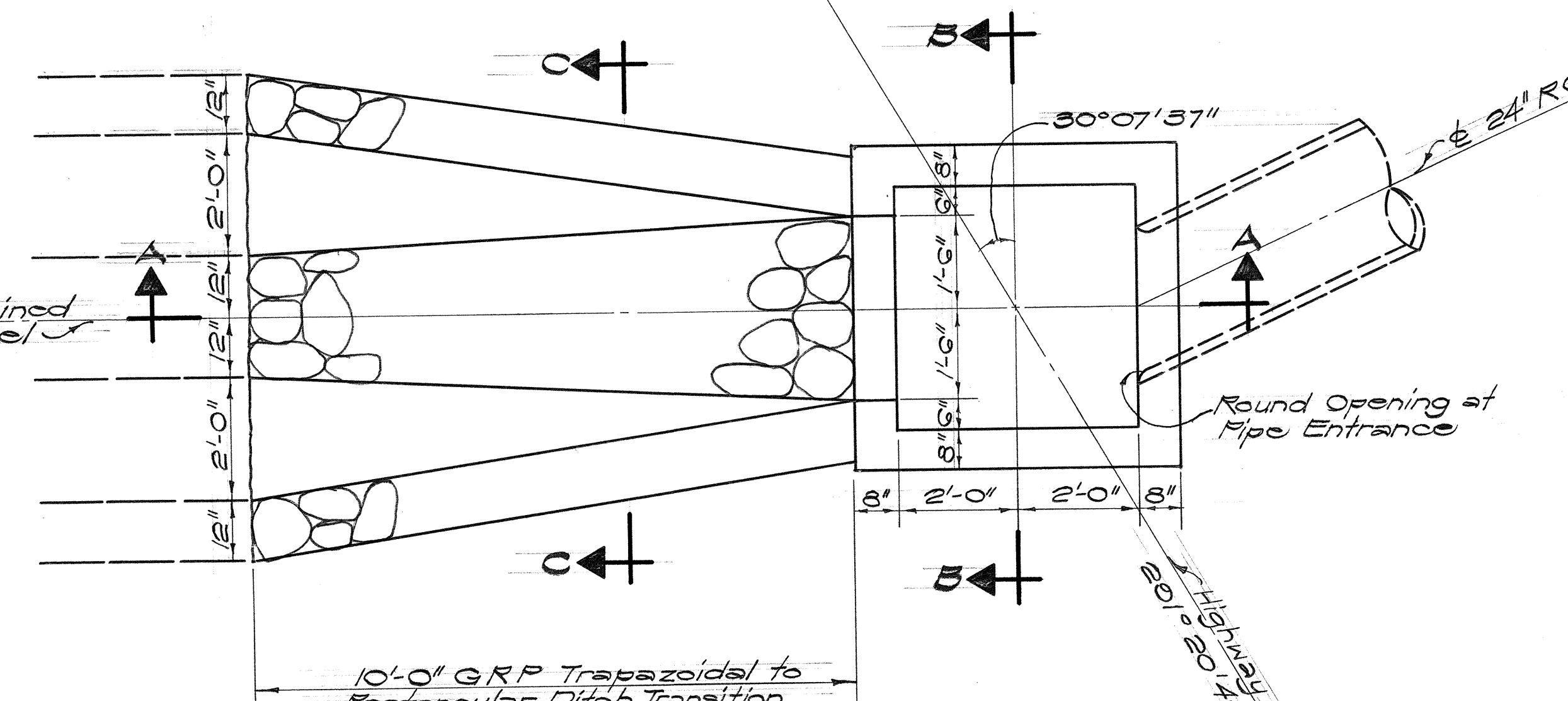


SECTION "C-C"

SECTION "B-B"



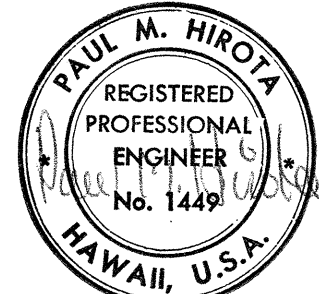
SECTION "A-A"



PLAN

SPECIAL CONC. DROP INTAKE
@ STA. 122+20
Scale: 1/2" = 1'-0"

SPECIAL CONC. DROP INTAKE
@ STA. 122+00 % Lt.
Scale: 1/2" = 1'-0"



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

INTERSTATE ROUTE 4-1
PROJ. NOS. I-HI-1(63):11
I-HI-1(16):11

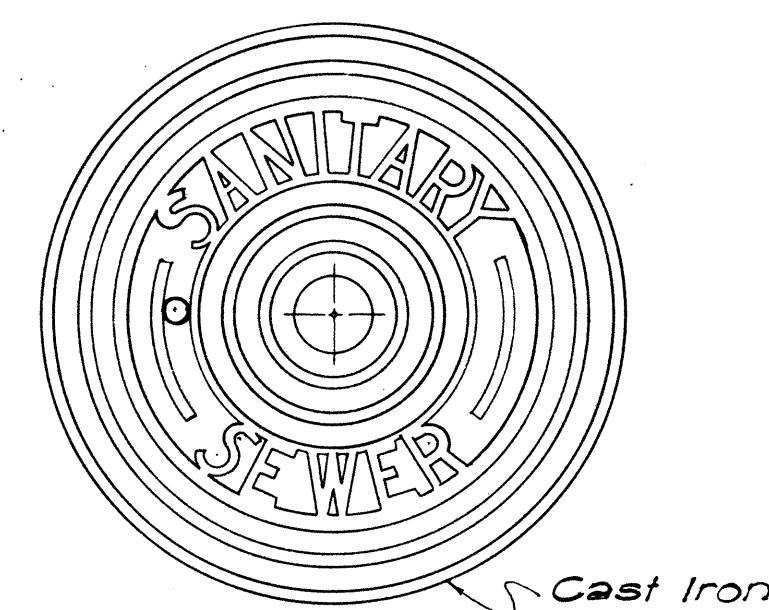
Scale: As Shown Date: 8/14/68

SHEET No. 2 OF 4 SHEETS

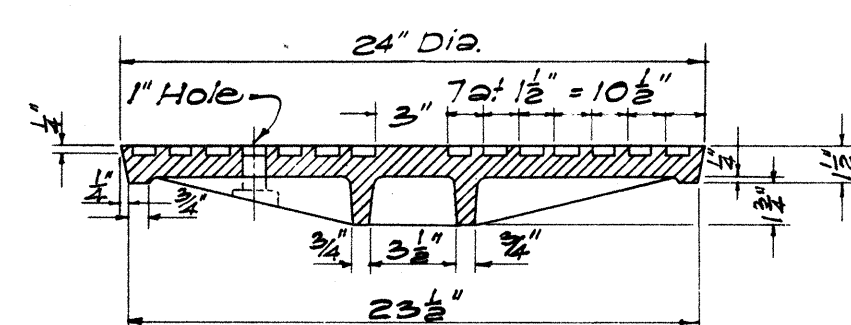
2/17/57
8:45

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	100-100	1968	28	28
August 1957					

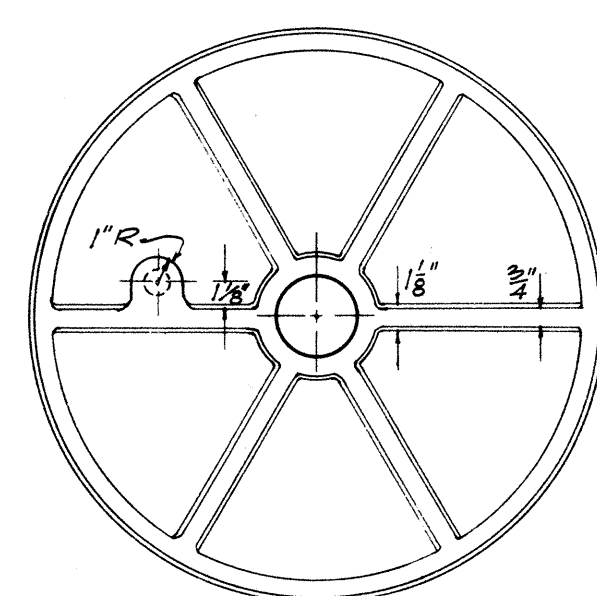
NOTE: Stock Pattern From Novelty Foundry ~ Honolulu



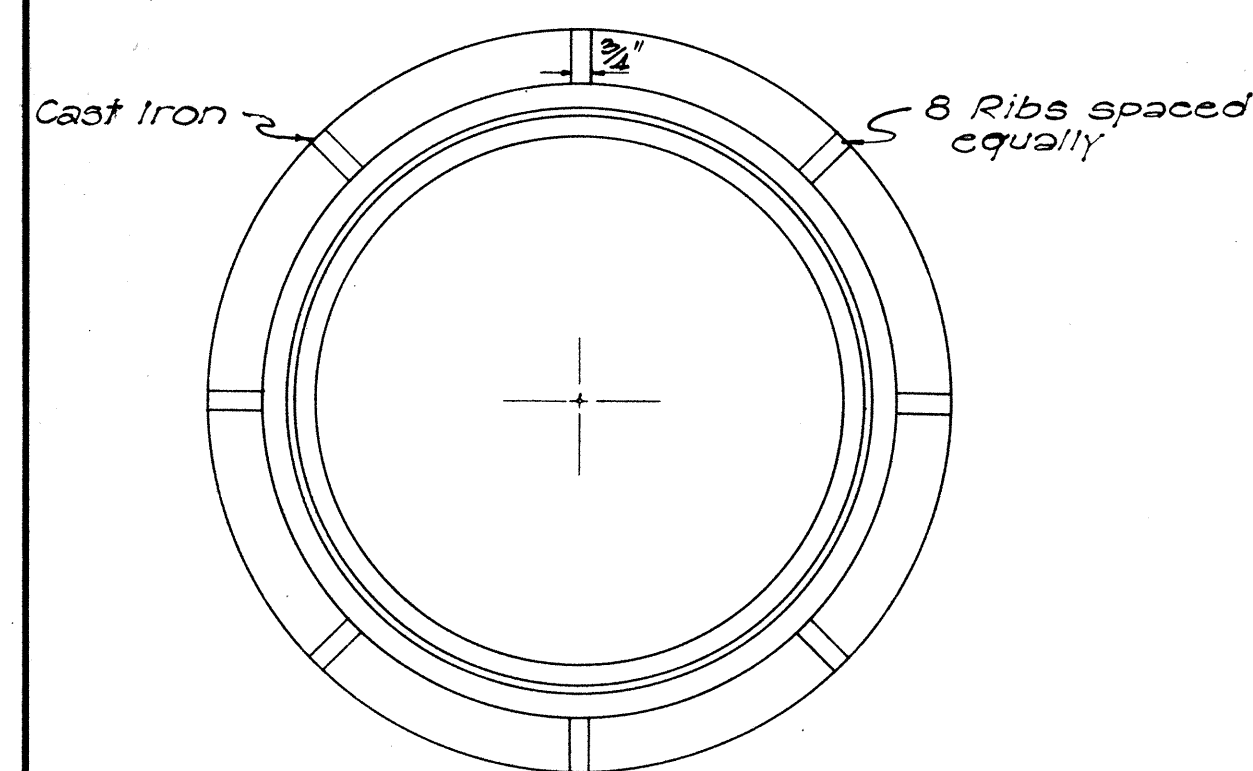
TOP VIEW OF COVER



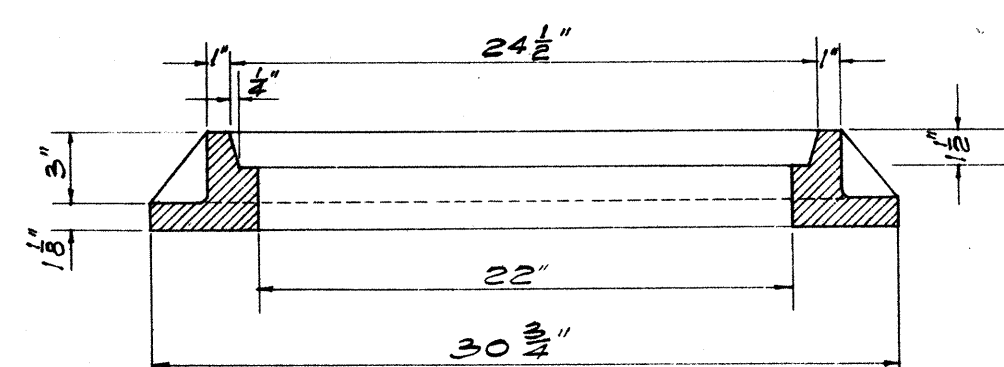
SECTION



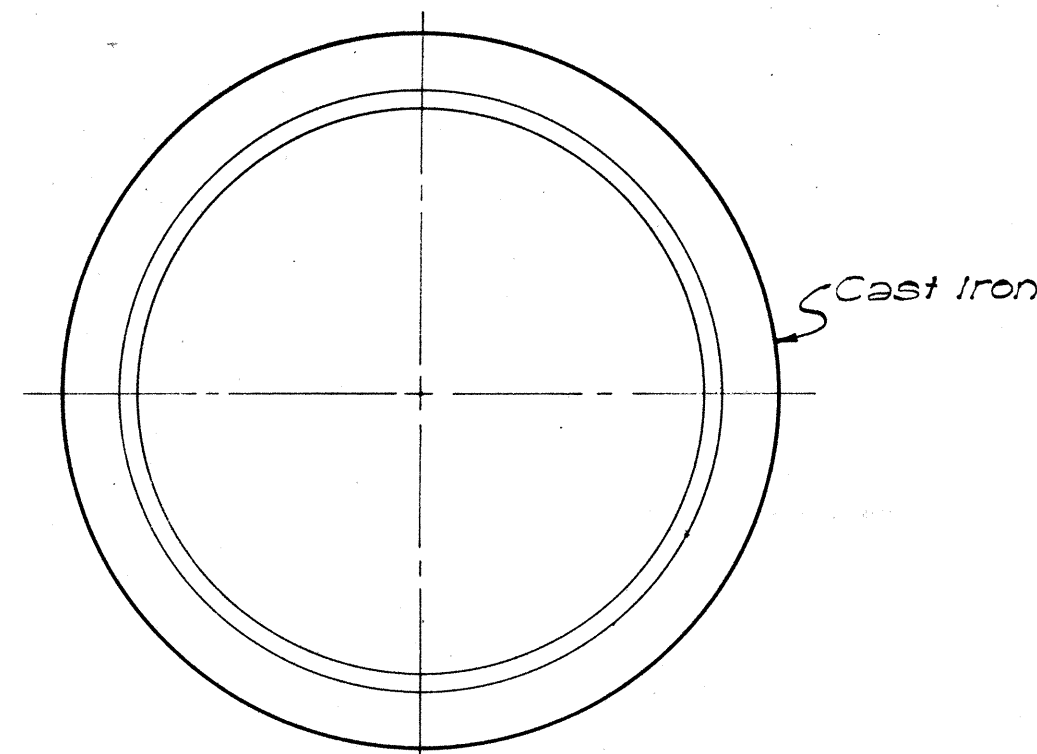
BOTTOM VIEW OF COVER



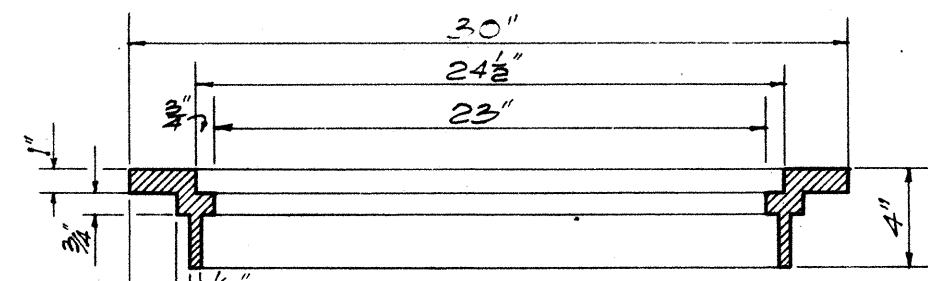
PLAN OF RIM



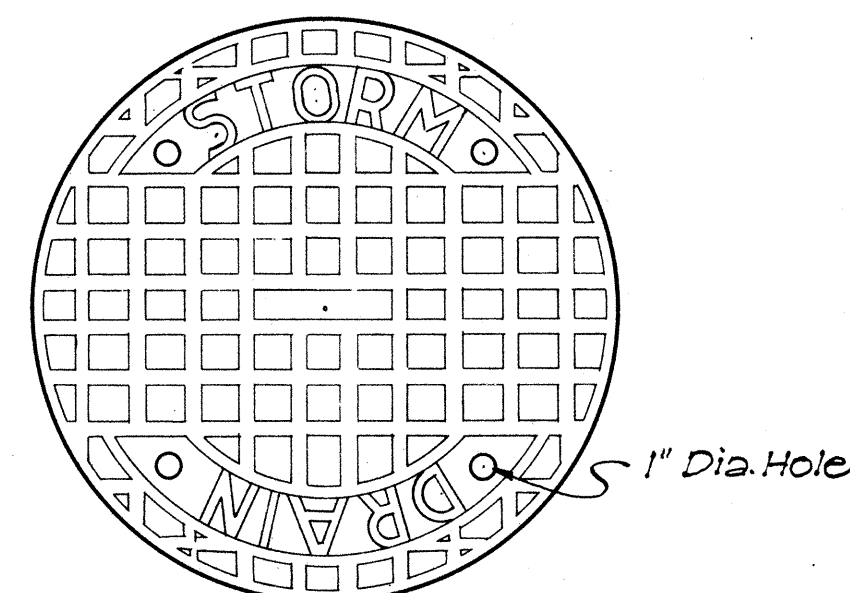
SECTION OF RIM
DETAILS OF TYPE "S"
CAST IRON FRAME AND COVER
SCALE: 1-1/2" = 1'-0"



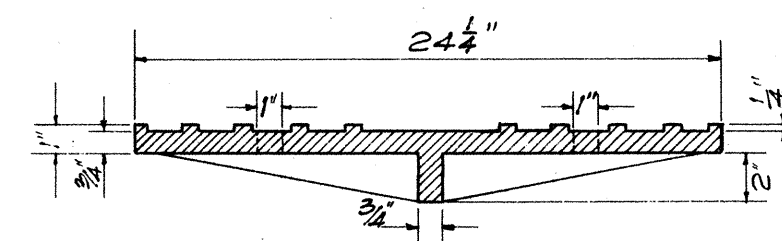
PLAN OF RIM



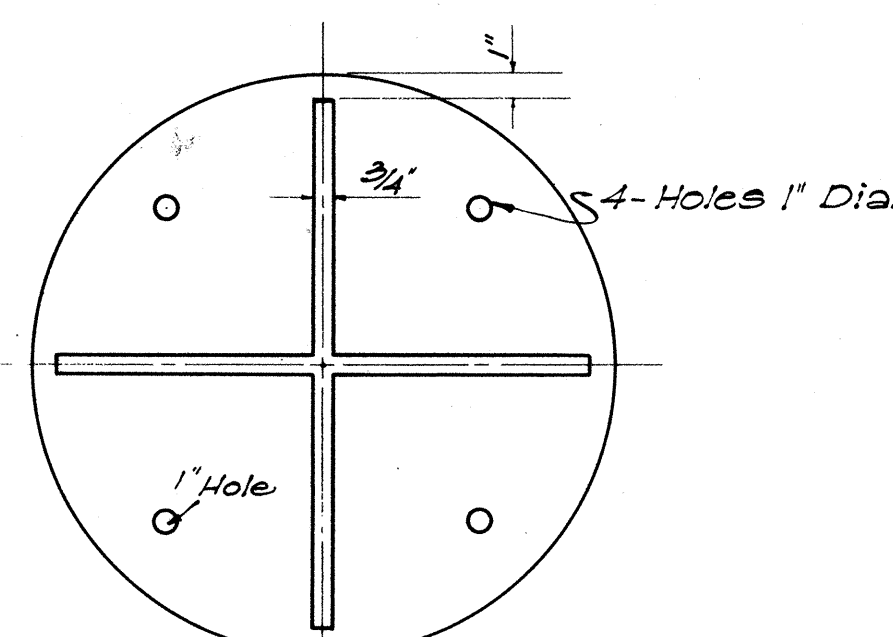
SECTION OF RIM



TOP VIEW OF COVER

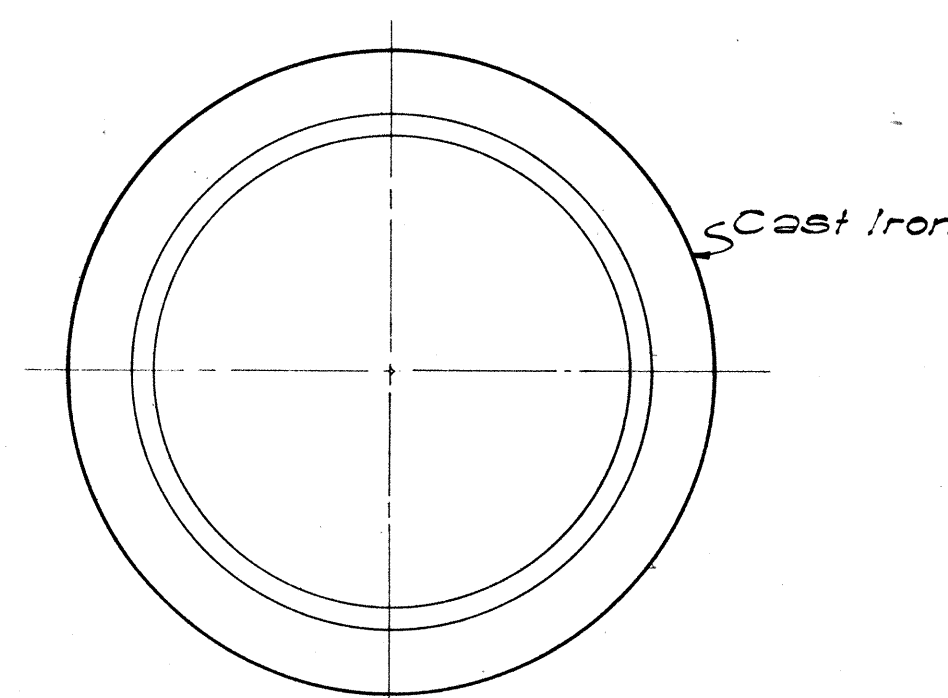


SECTION

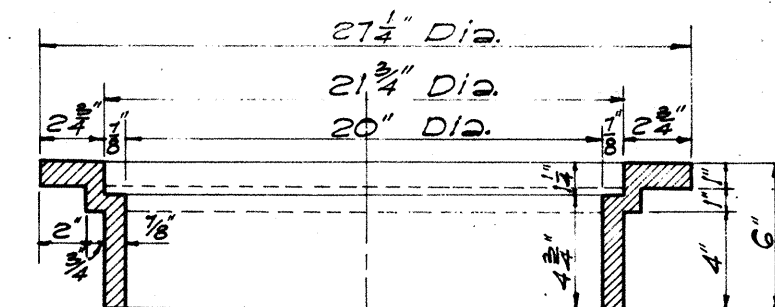


BOTTOM VIEW OF COVER

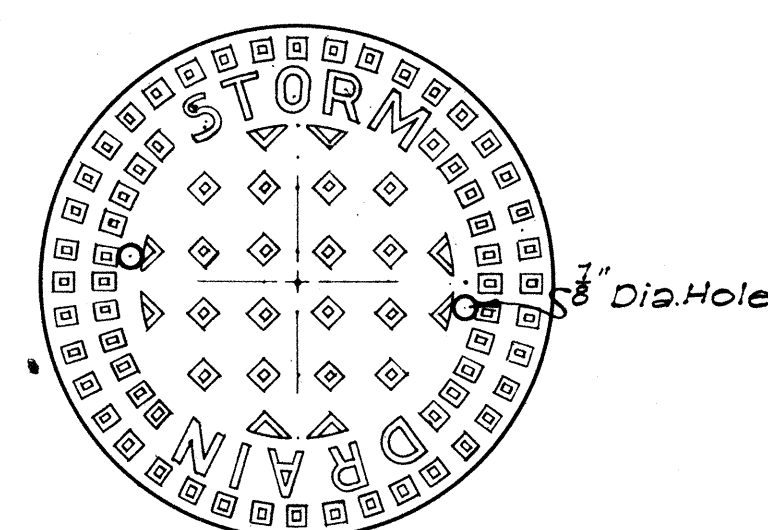
DETAILS OF TYPE "B"
CAST IRON FRAME AND COVER
SCALE: 1-1/2" = 1'-0"



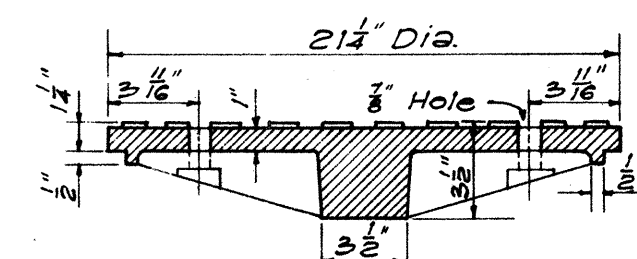
PLAN OF RIM



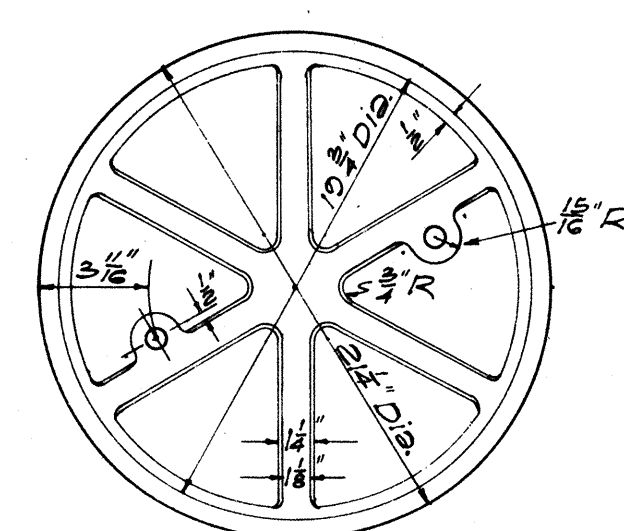
SECTION OF RIM



TOP VIEW OF COVER

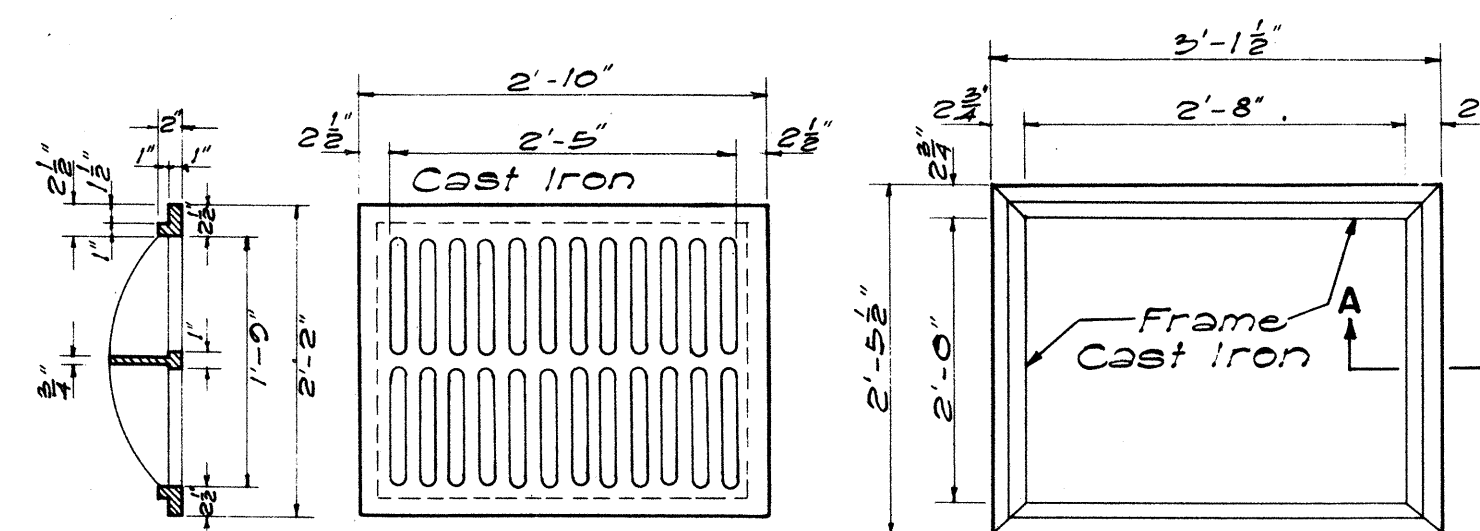


SECTION



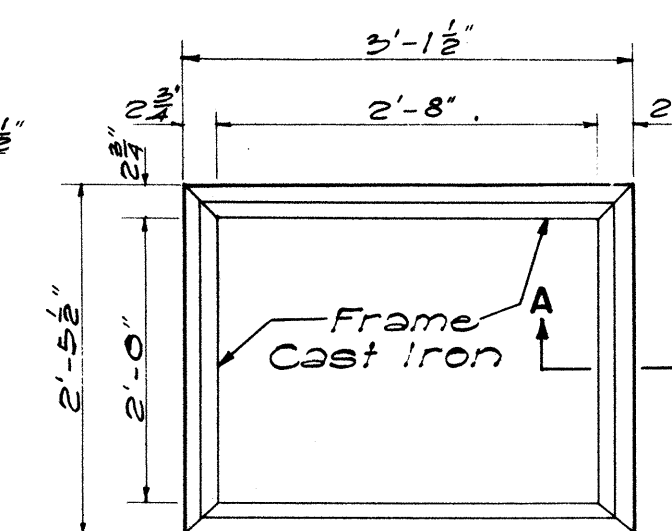
BOTTOM VIEW OF COVER

DETAILS OF TYPE "A"
CAST IRON FRAME AND COVER
SCALE: 1-1/2" = 1'-0"



SECTION

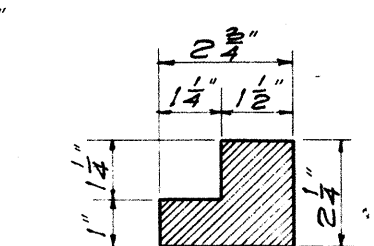
TOP VIEW



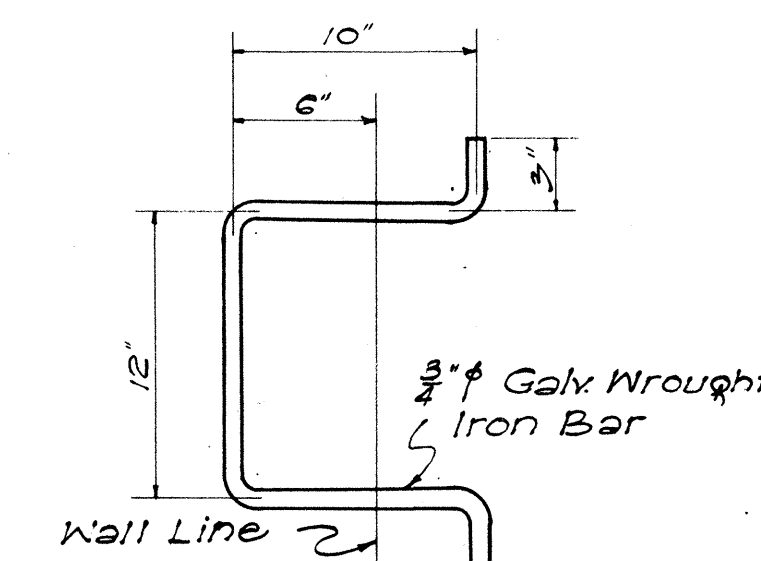
TOP VIEW

TYPE C C.I. FRAME AND GRATING

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

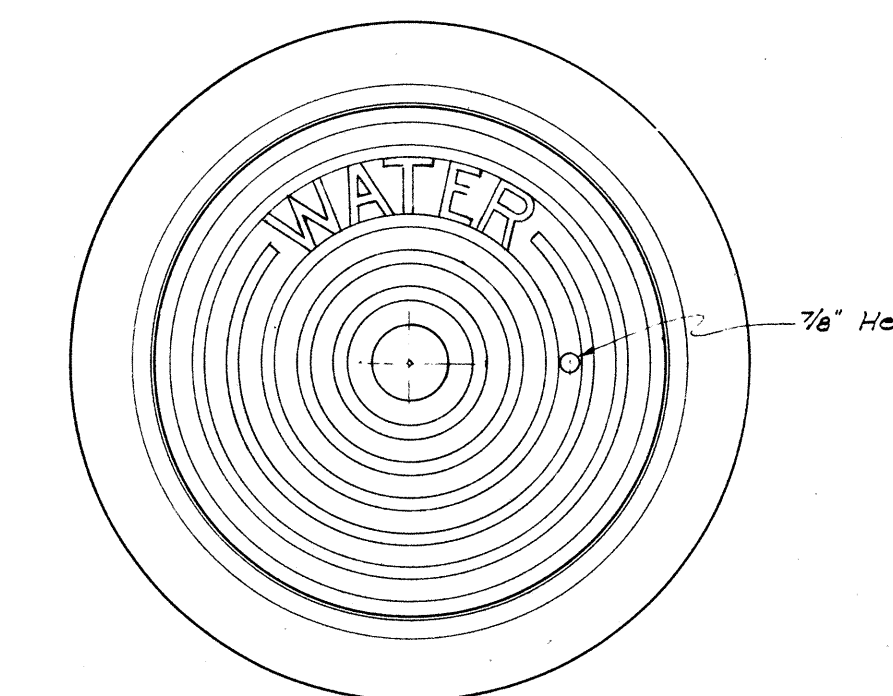


SECTION "A-A"
SCALE 3" = 1'-0"

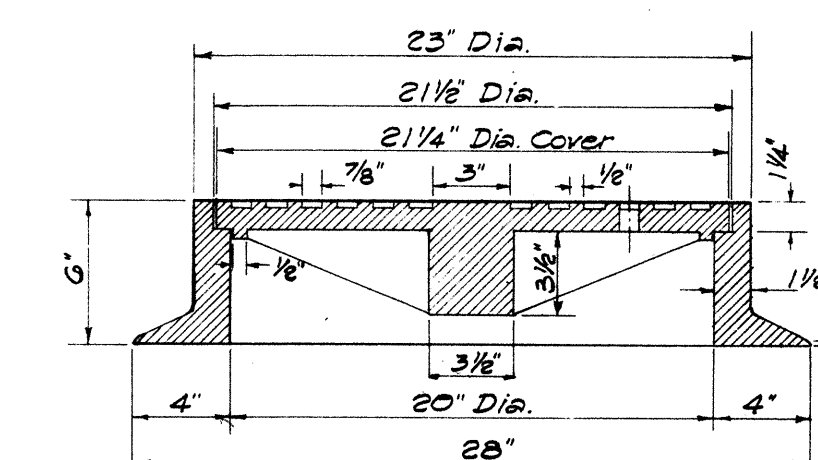


MANHOLE RUNG

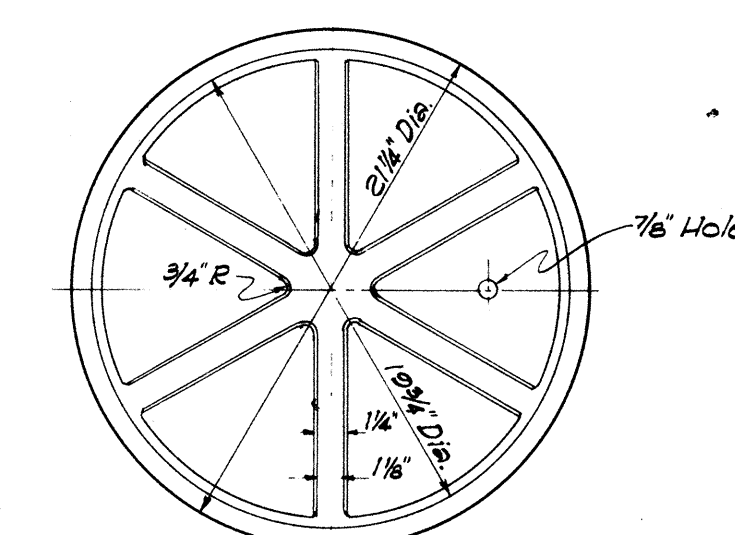
SCALE: 1-1/2" = 1'-0"



PLAN OF FRAME AND COVER



SECTION OF FRAME AND COVER



BOTTOM VIEW OF COVER

DETAILS OF TYPE "W"
CAST IRON FRAME AND COVER
SCALE: 1-1/2" = 1'-0"

NOTE:

THE TYPE "S" CAST IRON FRAME AND COVER SHOWN ON THIS SHEET IS EQUIVALENT TO THE CITY AND COUNTY OF HONOLULU, DIVISION OF SEWERS' TYPE "A" CAST IRON MANHOLE FRAME AND COVER.

THE TYPE "W" CAST IRON FRAME AND COVER SHOWN ON THIS SHEET IS EQUIVALENT TO THE CITY AND COUNTY OF HONOLULU, BOARD OF WATER SUPPLY'S CAST IRON MANHOLE FRAME AND COVER, 20" SIZE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
CATCH BASIN AND
MANHOLE CASTINGS
SCALES AS NOTED

SHEET NO. 28 OF 28 SHEETS