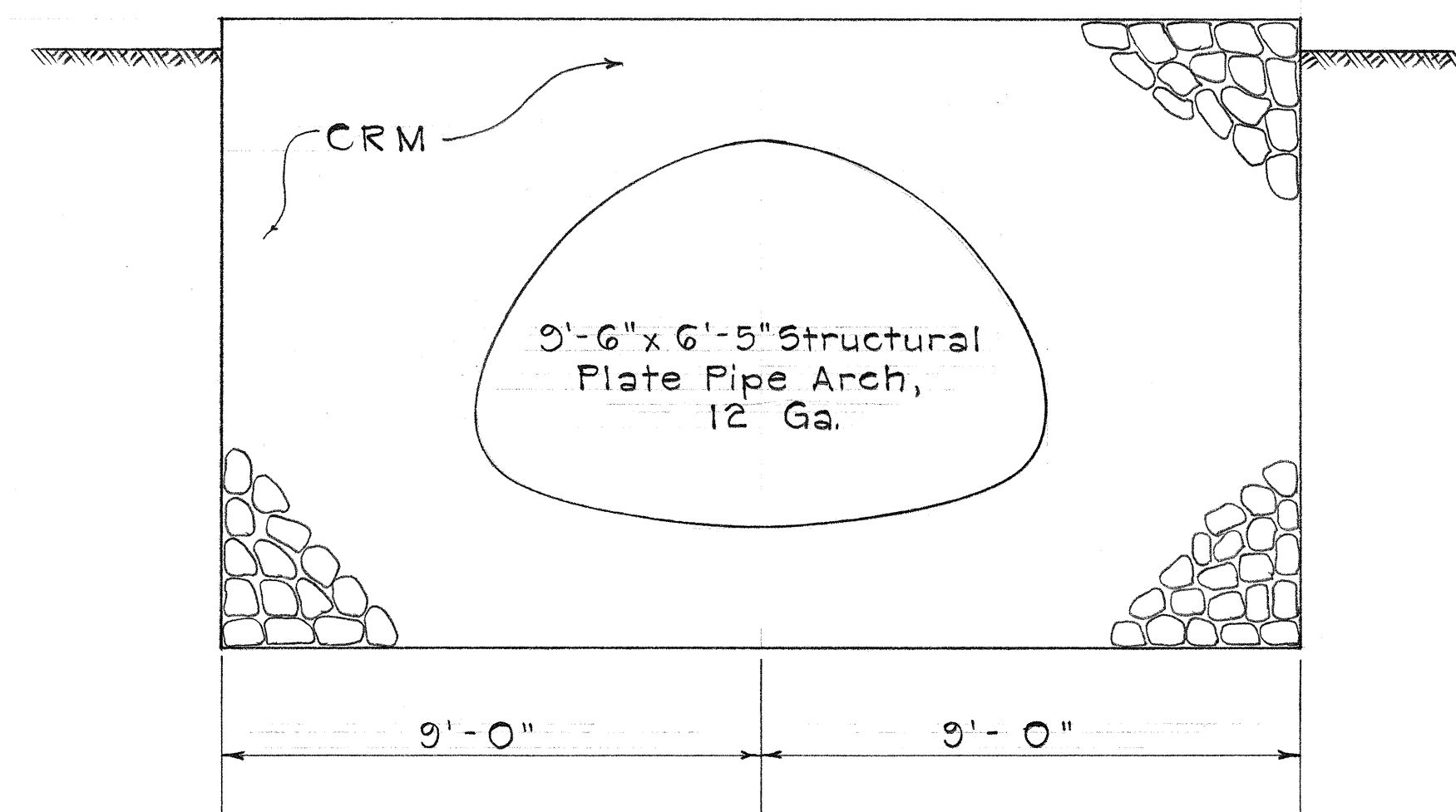
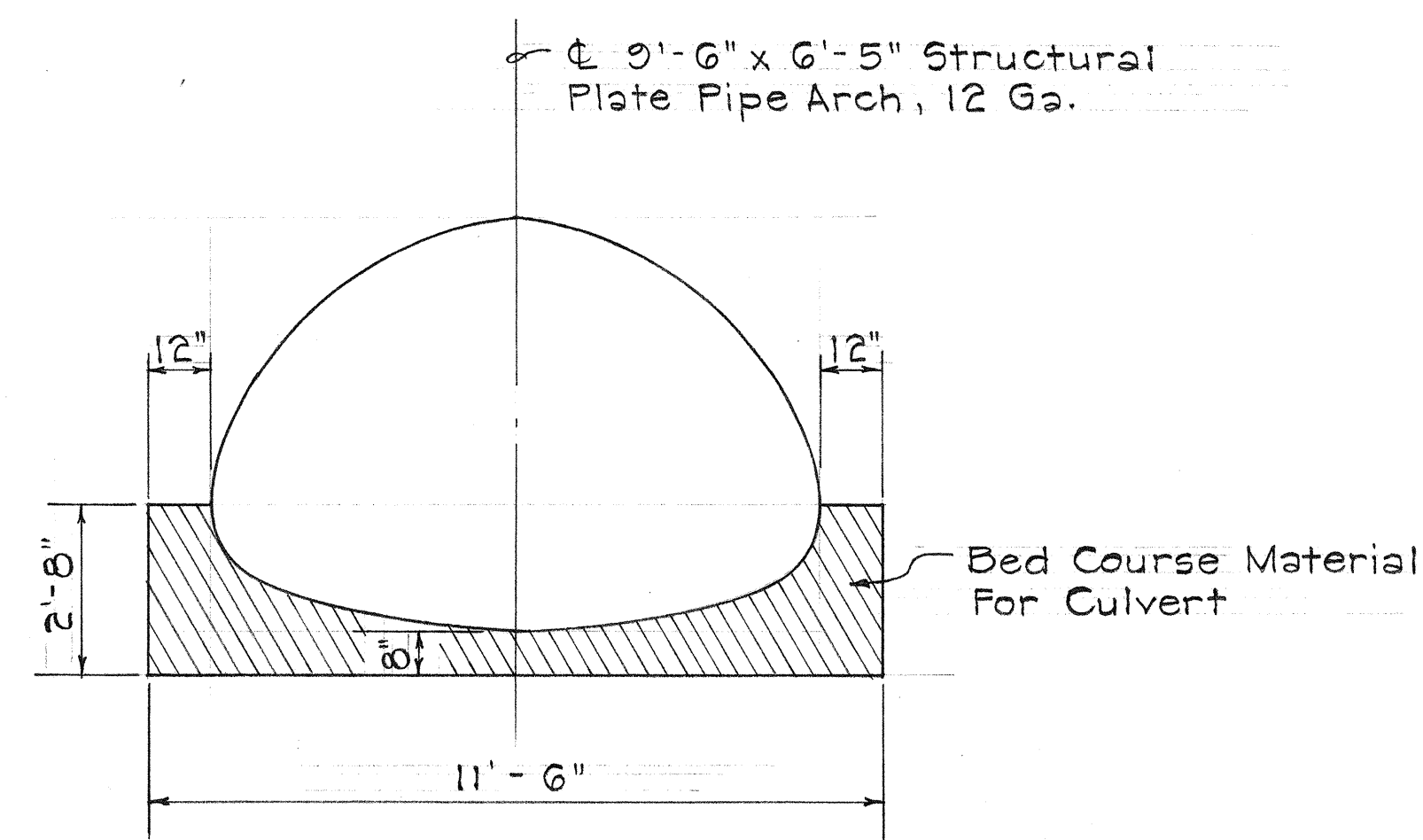


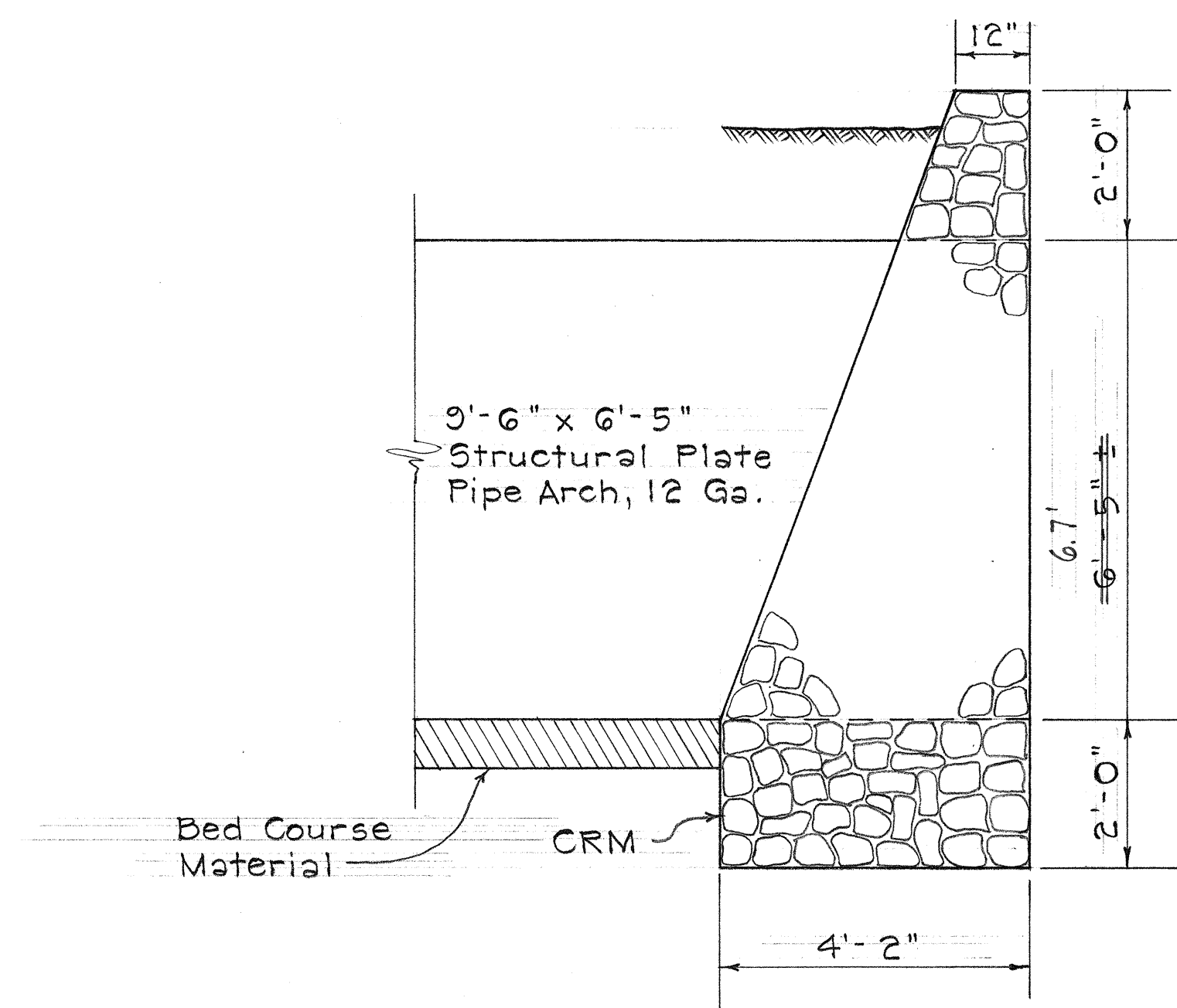
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-01-69	1972	3	16



FRONT ELEVATION
Scale: $\frac{3}{8}$ " = 1'-0"

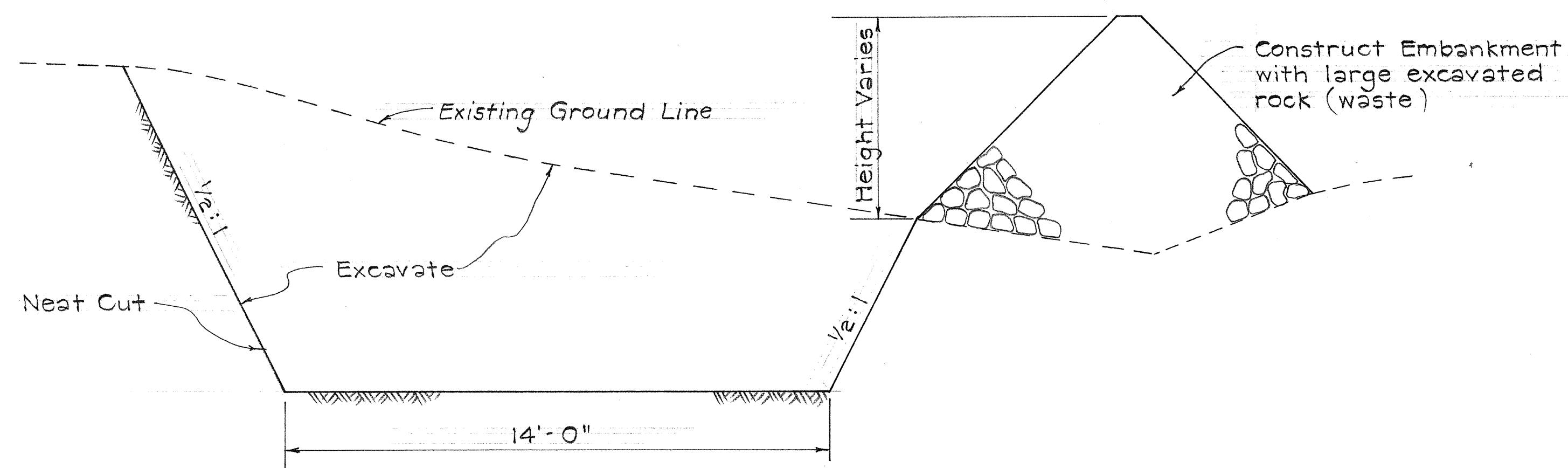


TYPICAL SECTION
BED COURSE MATERIAL FOR CULVERT
Scale: $\frac{3}{8}$ " = 1'-0"



SIDE ELEVATION
Scale: $\frac{1}{2}$ " = 1'-0"

CRM HEADWALL



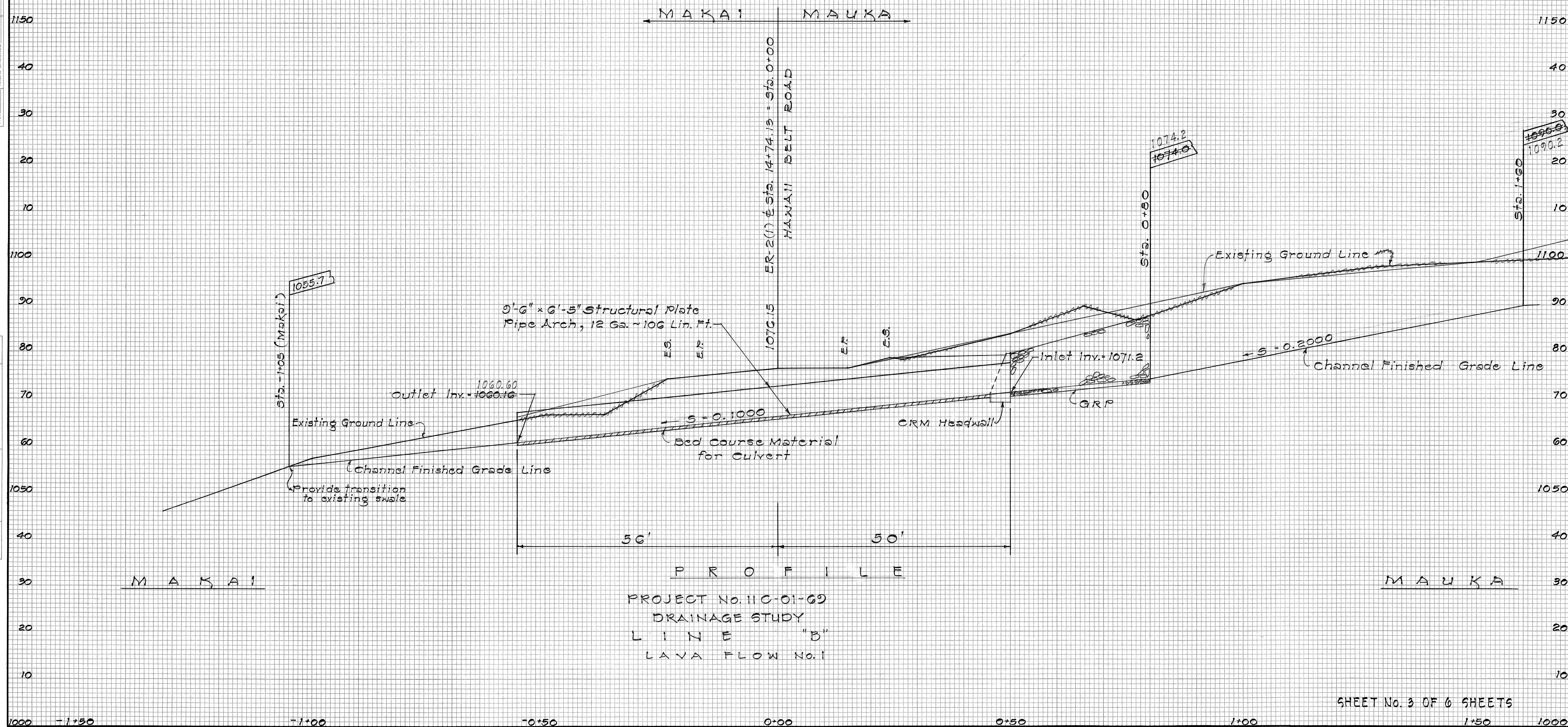
TYPICAL SECTION
TRAPEZOIDAL EARTH DITCH AND EMBANKMENT
Not To Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAILS
CRM HEADWALL & TRAP EARTH
DITCH AND EMBANKMENT
MAMALAHOA HIGHWAY
(LAVA FLOW NO. 1 STA. 14+75)
PROJ. NO. 11C-01-69
Scale: As Shown Date: Feb., 1970
SHEET No. 2 OF 6 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	***
TRACED BY	***
NOTED BY	***
CHECKED BY	***
NO.	***

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEAPLATE		
	AREAS		
NO.	AREAS CHECKED		

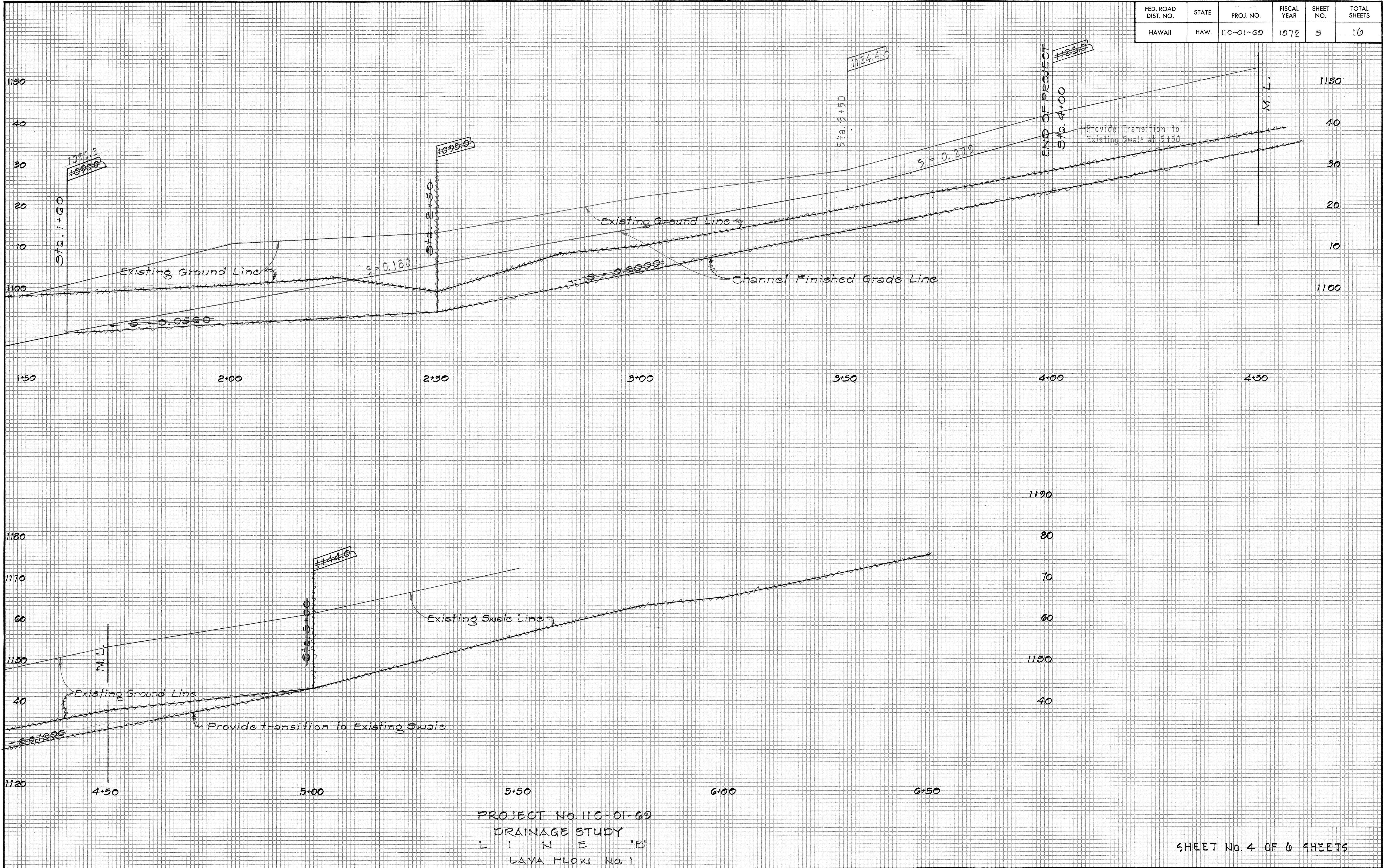
ORIGINAL	SURVEYED _____	BY _____	DATE _____
SURVEY	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-01-60	1972	5	10

FINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		



SHEET No. 4 OF 6 SHEETS

35

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-01-GD	1972	6	16

