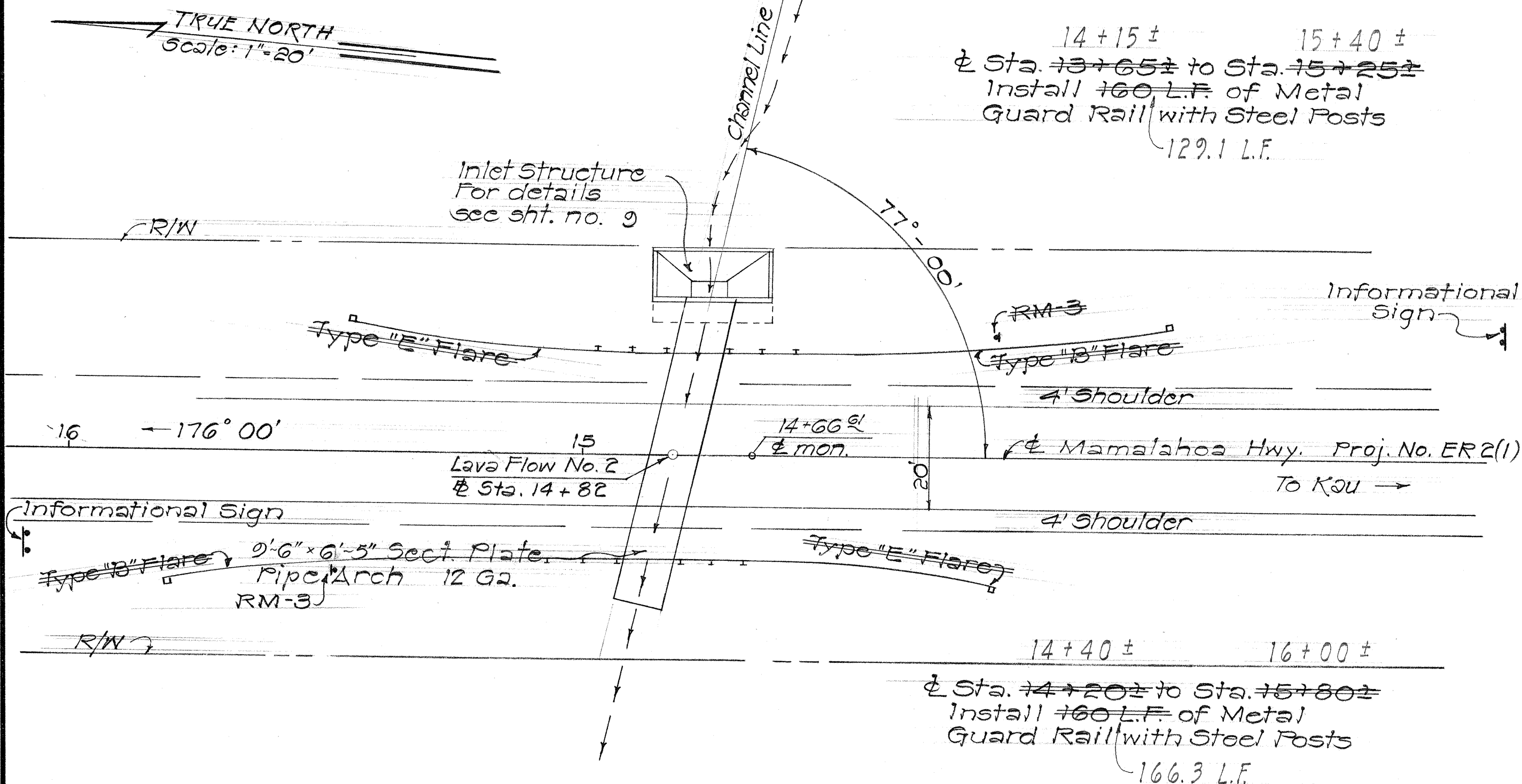
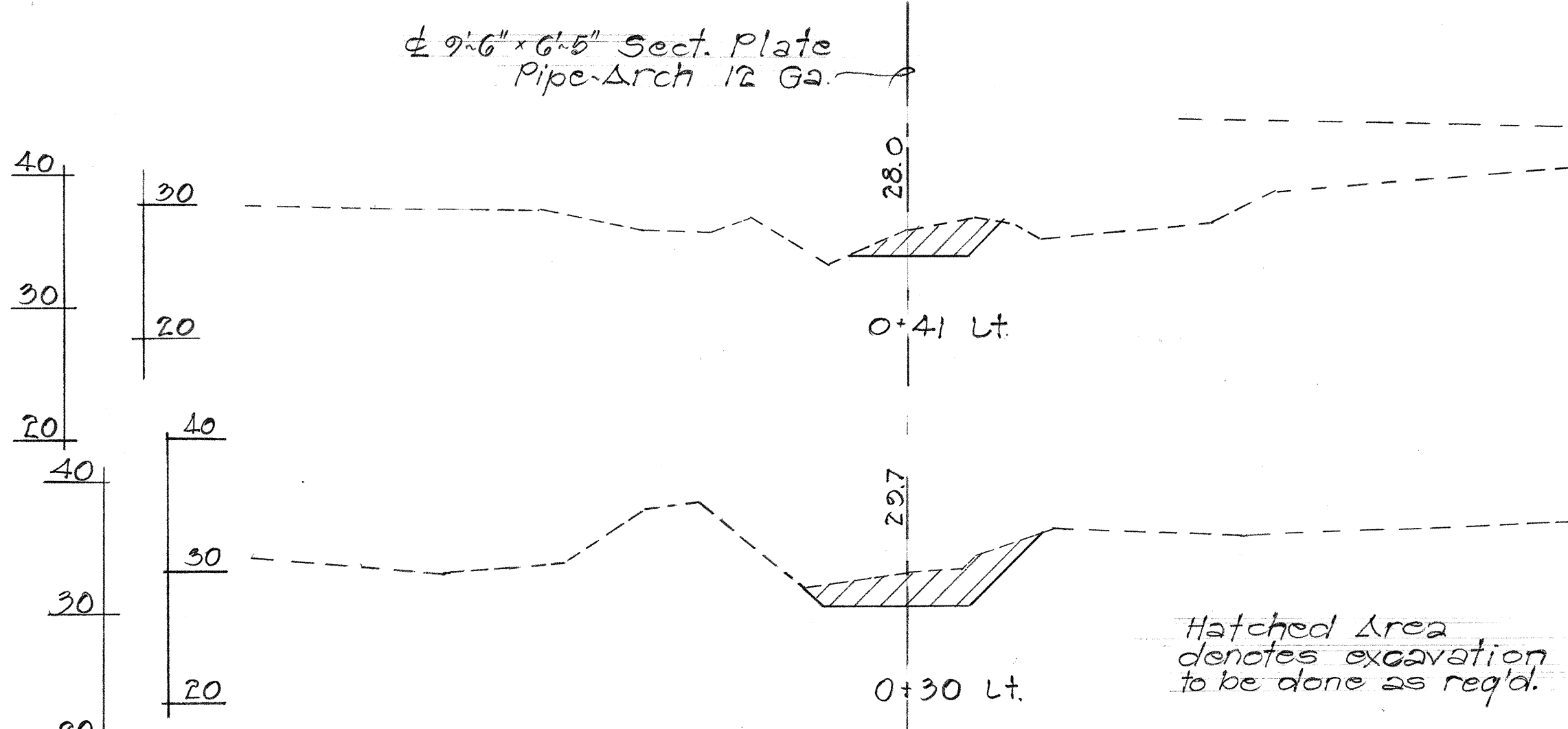
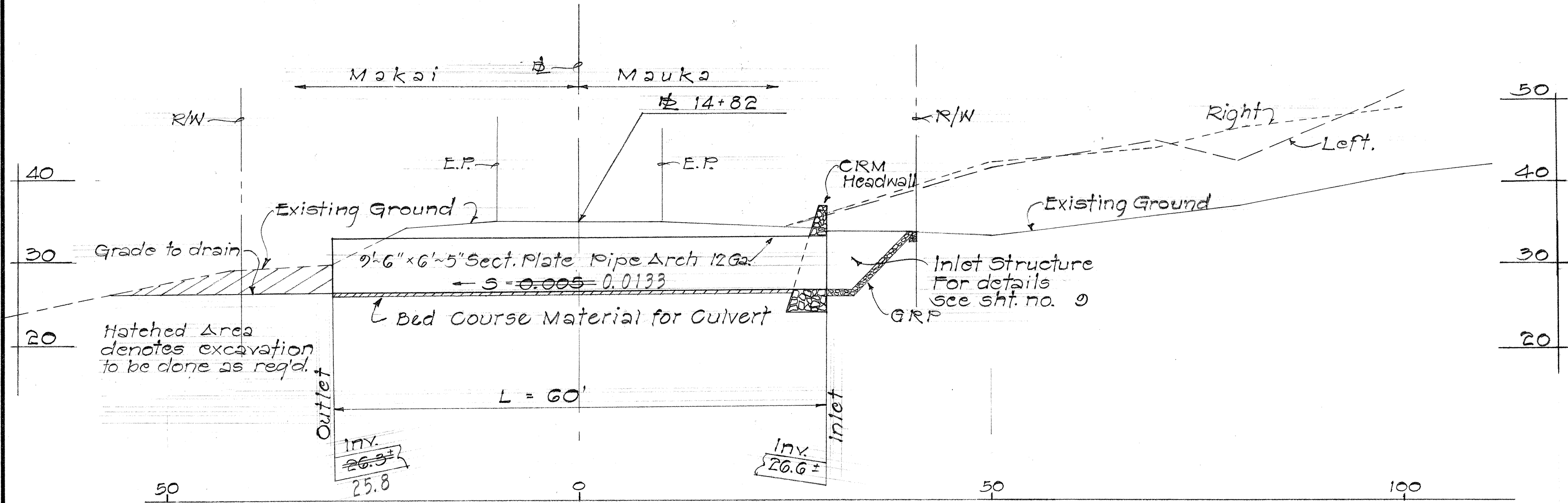
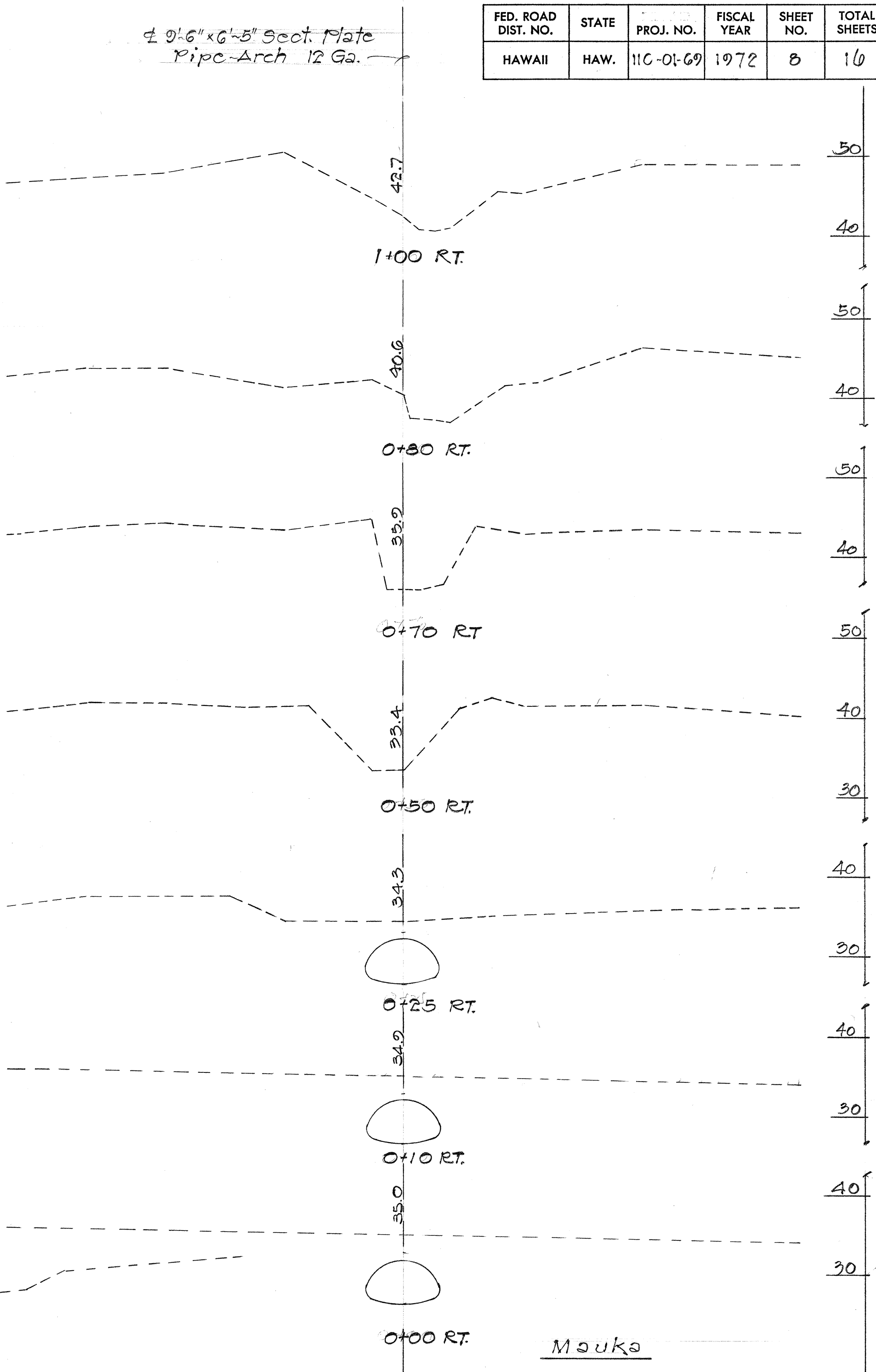


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-01-69	1972	8	16



ESTIMATED QUANTITIES

Structure Exc.	302	c.y.	325.6
Ditch & Channel Exc.	18	c.y.	21
Bed Course Material for Culvert	27	c.y.	28.5
9' 6" x 6' 5" Sect. Plate Pipe Arch 12 Ga.	60	L.F.	61.6
CRM	29	c.y.	13.5
GRP	9	L.S.	13.5
Restoring Hwy. Pavt.			
Metal Guard Rail	320	L.F.	295.4



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

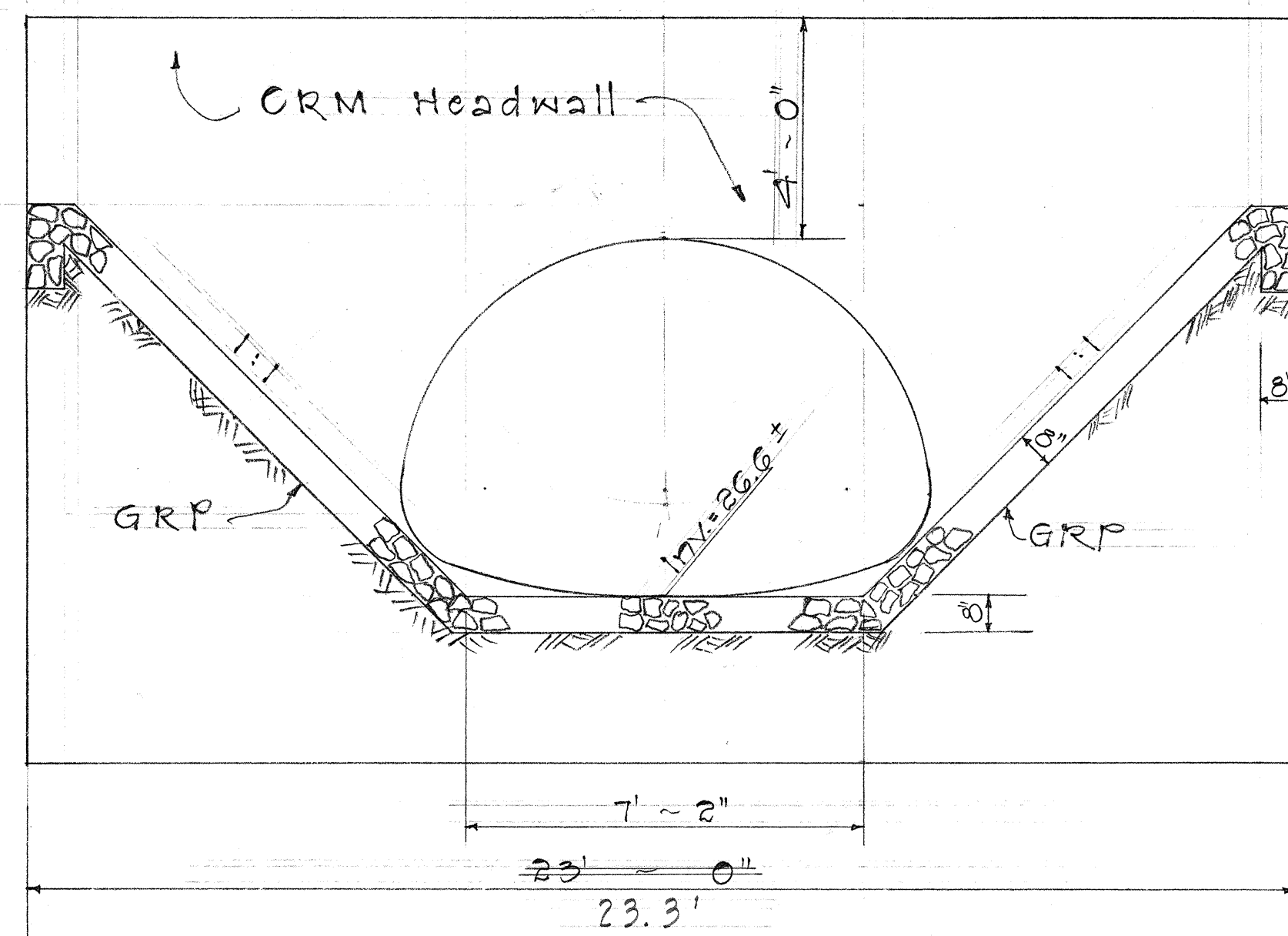
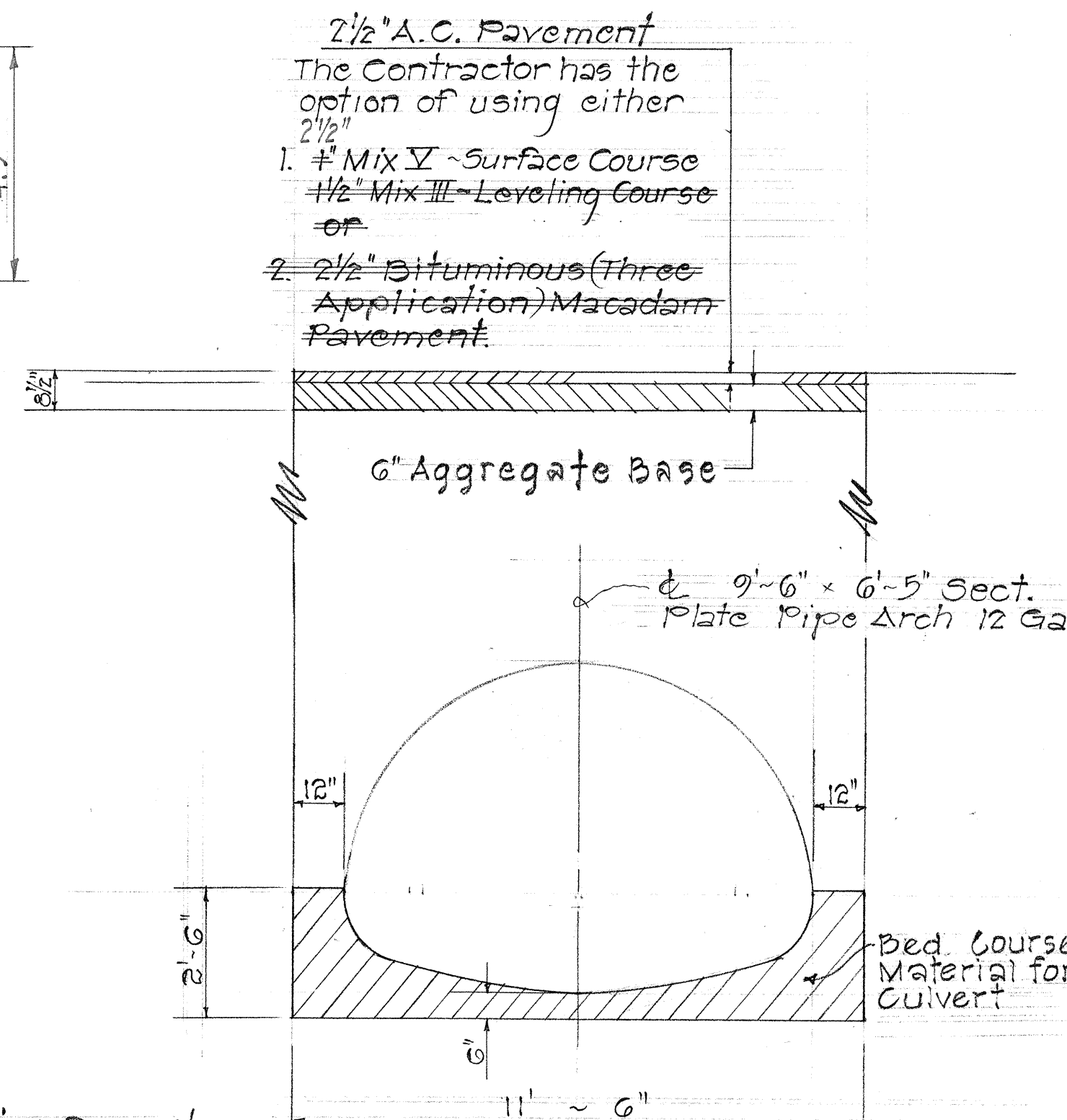
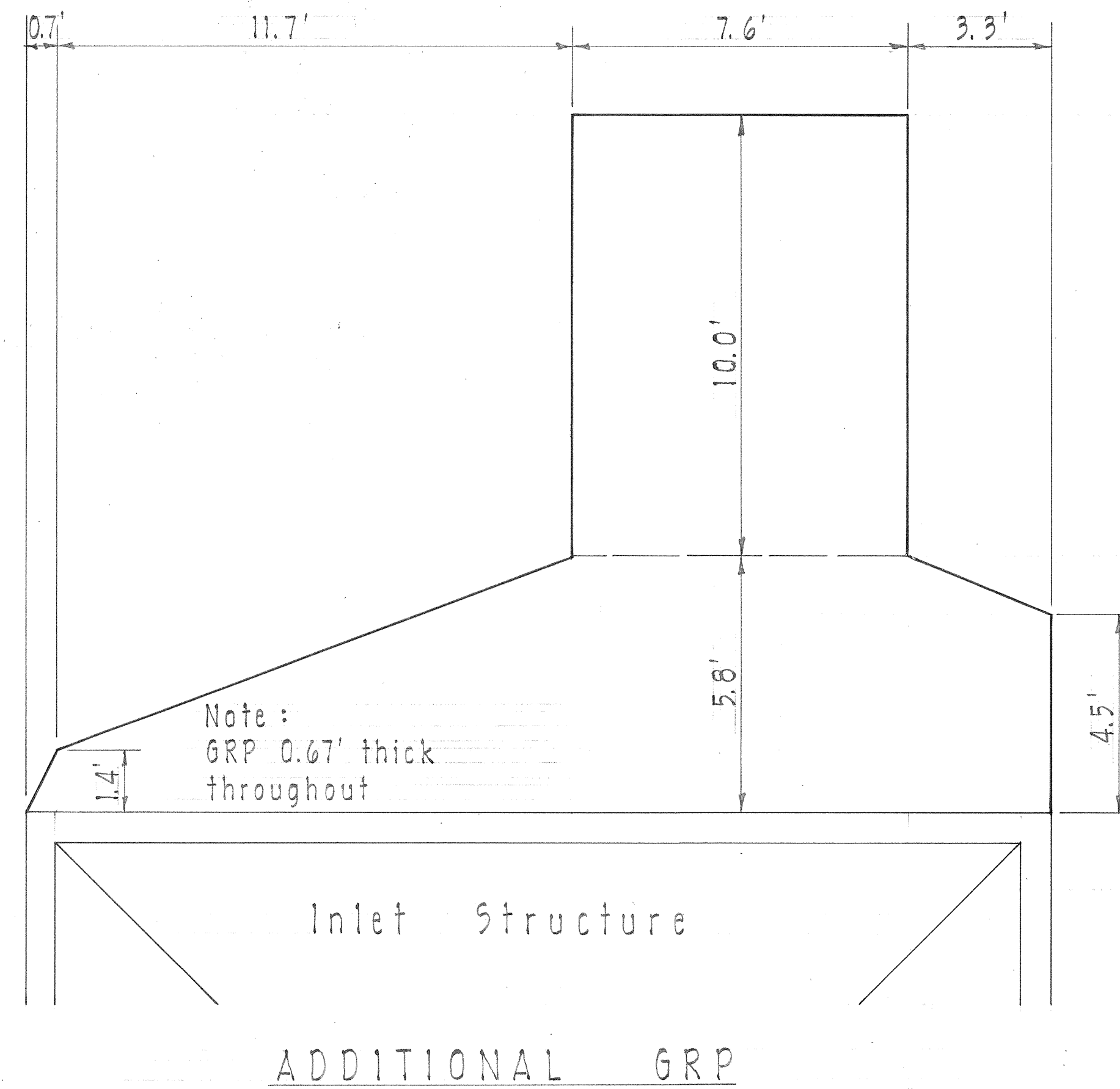
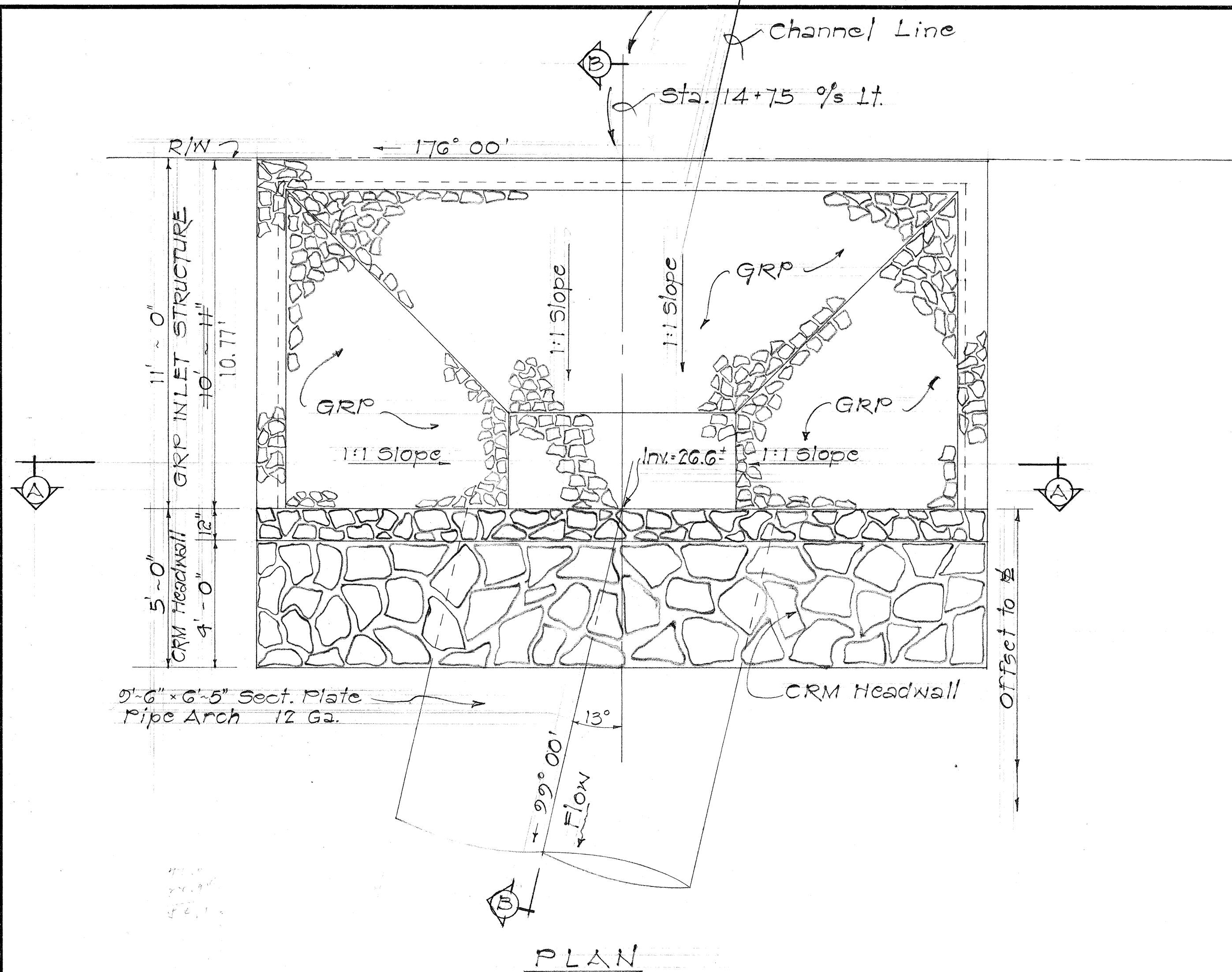
PLAN & PROFILE OF
9' 6" x 6' 5" SECTIONAL PLATE
PIPE ARCH @ STA. 14+82

Mamalahoe Highway
(LAVA FLOW No. 2 Sta. 14+82)
Proj. No. 11C-01-69
Scale: As Shown Date: Feb. 1970

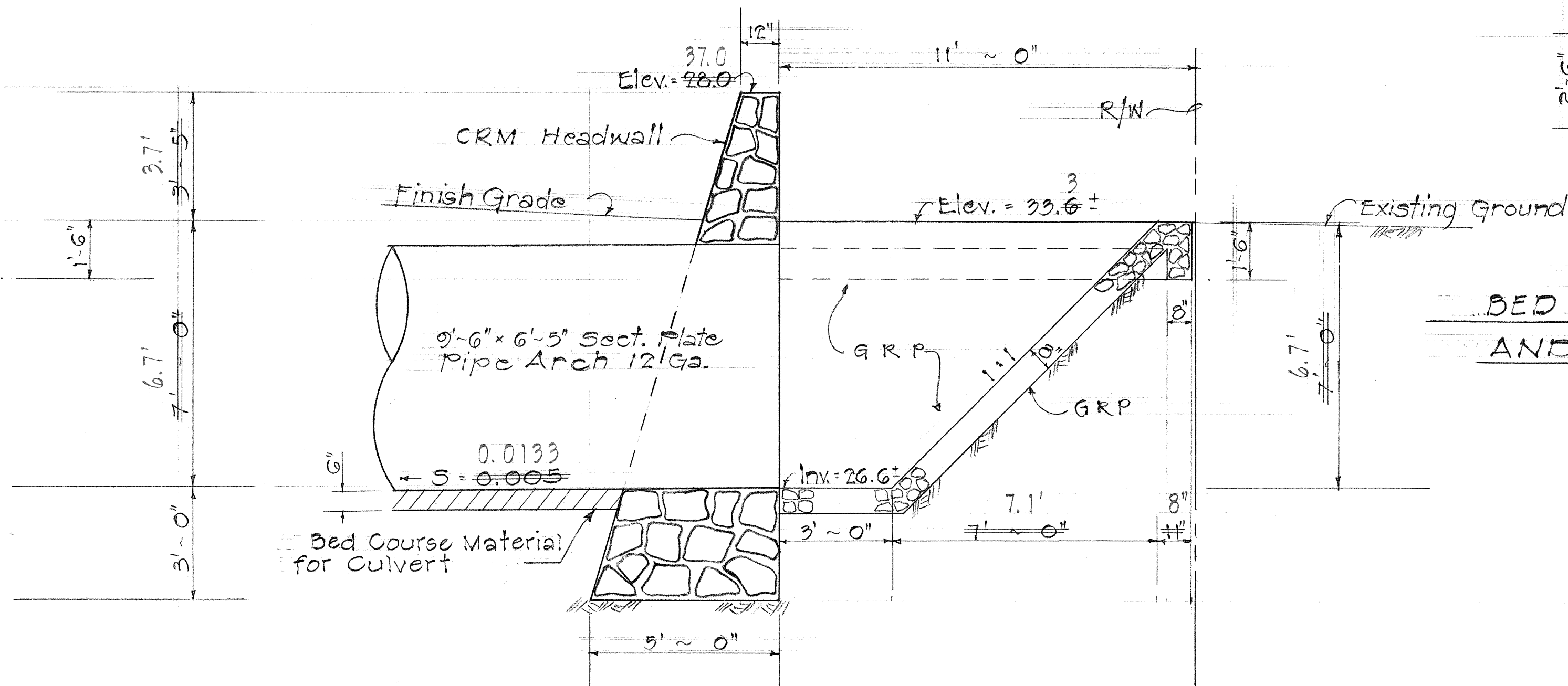
SHEET No. 1 OF 2 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-01-69	1972	9	10



SECTION "A-A"



SECTION "B-B"

DETAILS OF INLET STRUCTURE @ STA. 14+75 LT. LAVA FLOW No. 2 ~ PAHOEHOE LAVA FLOW

scale: 3/8" = 1' ~ 0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE DETAILS
INLET STRUCTURE ~ PIPE
FOUNDATION ~ RESTORATION
OF PAV'T. @ STA. 14+82 ±
Mamalahoe Highway
(LAVA FLOW No. 2 Sta. 14+82)
Proj. No. 11 C-01-69
Scale: As Shown Date: Feb., 1970
SHEET No. 2 OF 2 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTE BOOK	_____
CHECKED BY	_____
No.	_____