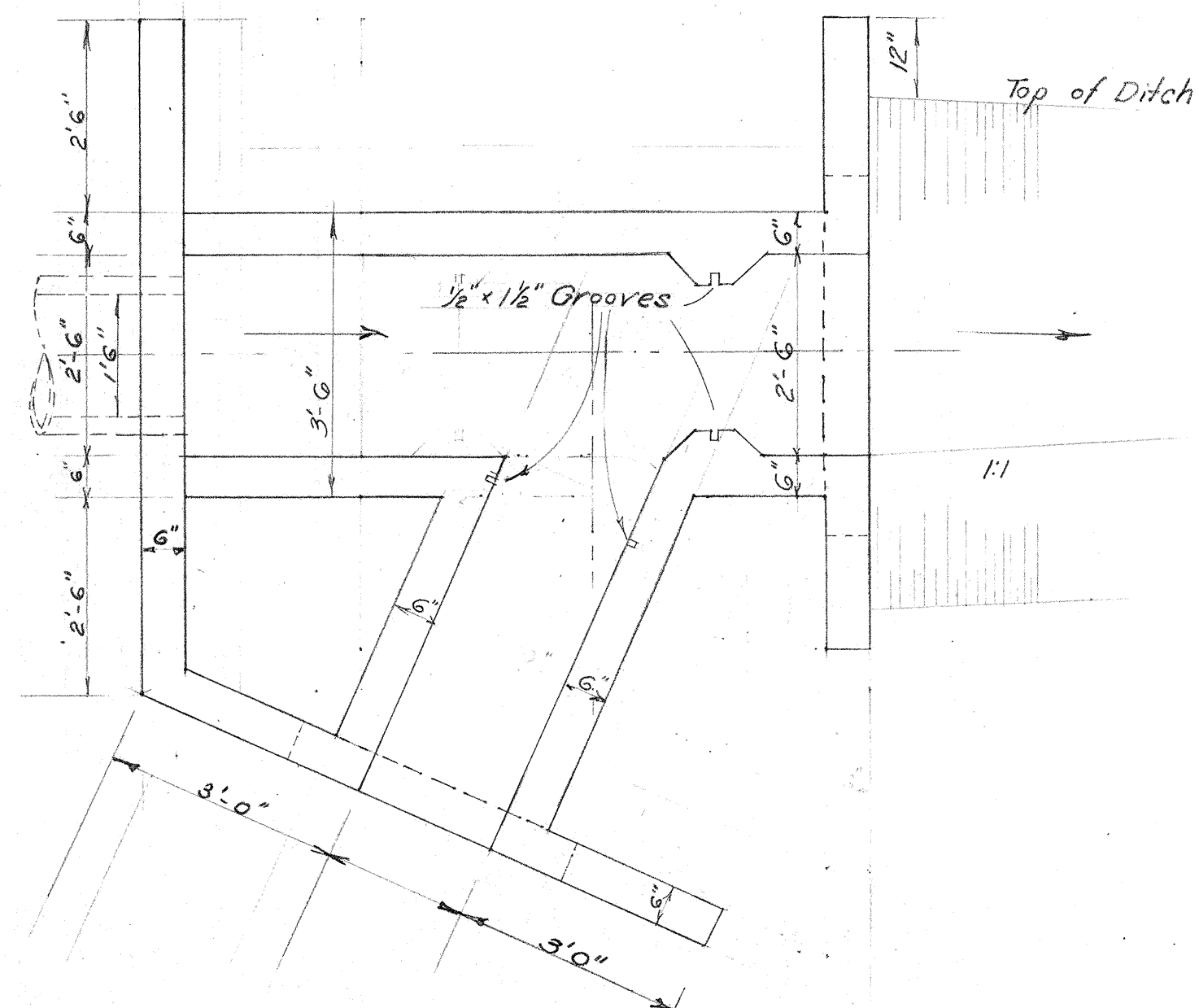
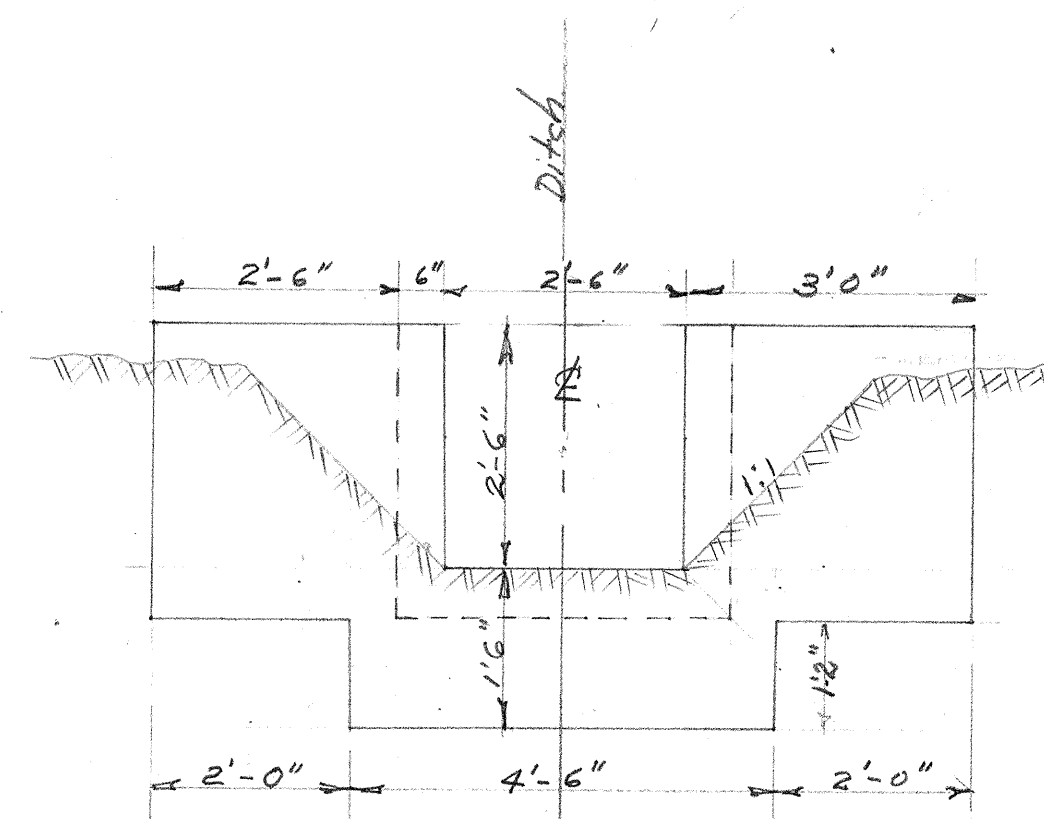
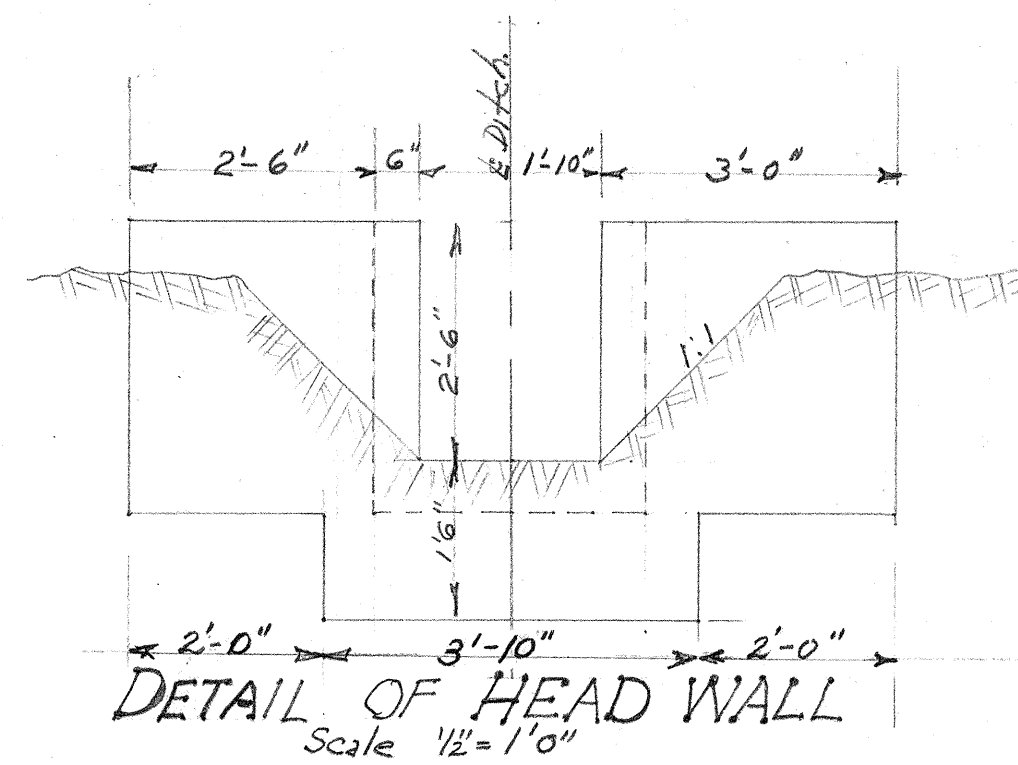




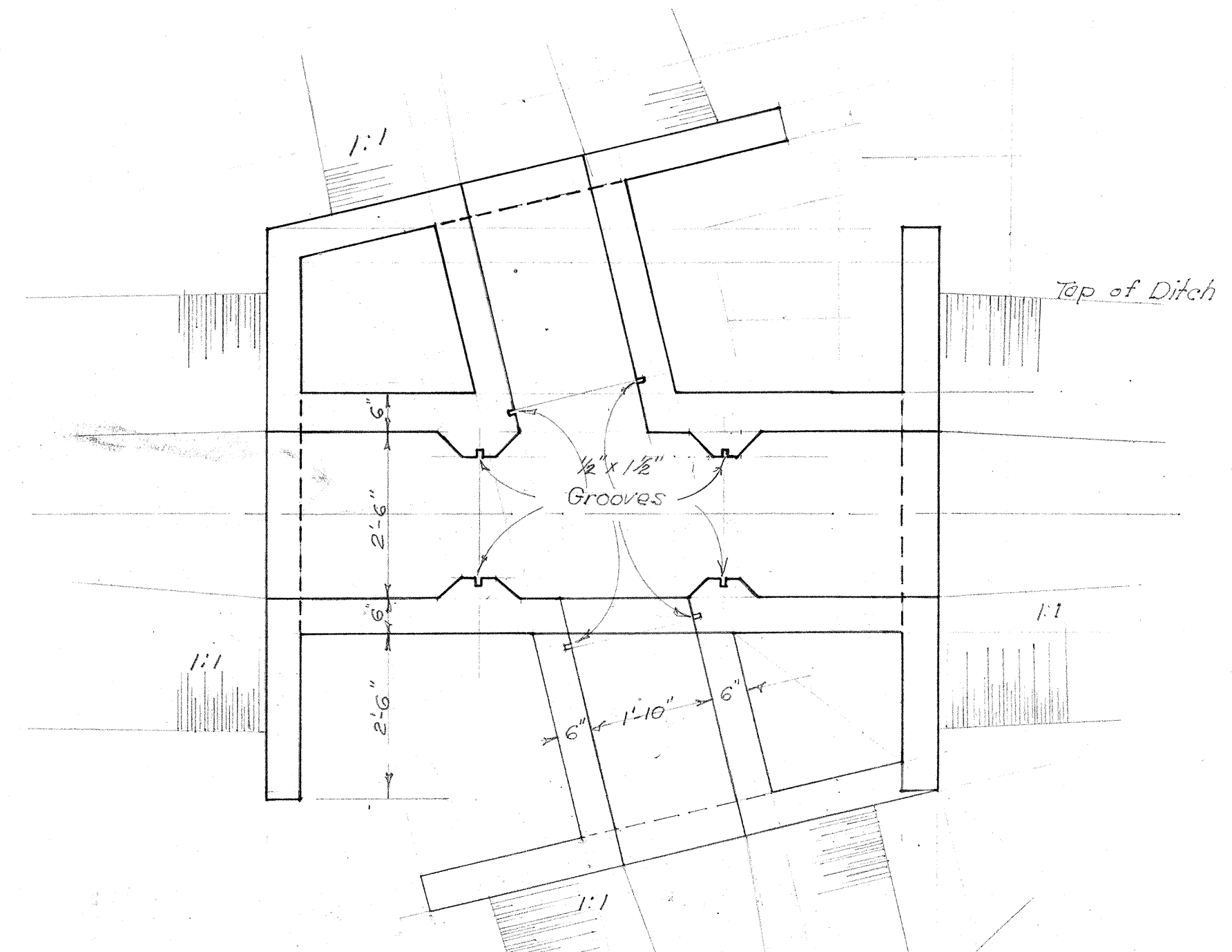
PLAN OF TWO WAY TURNOUT
AT OUTLET
Scale 1/2"=1'-0"
Sta. 12+90



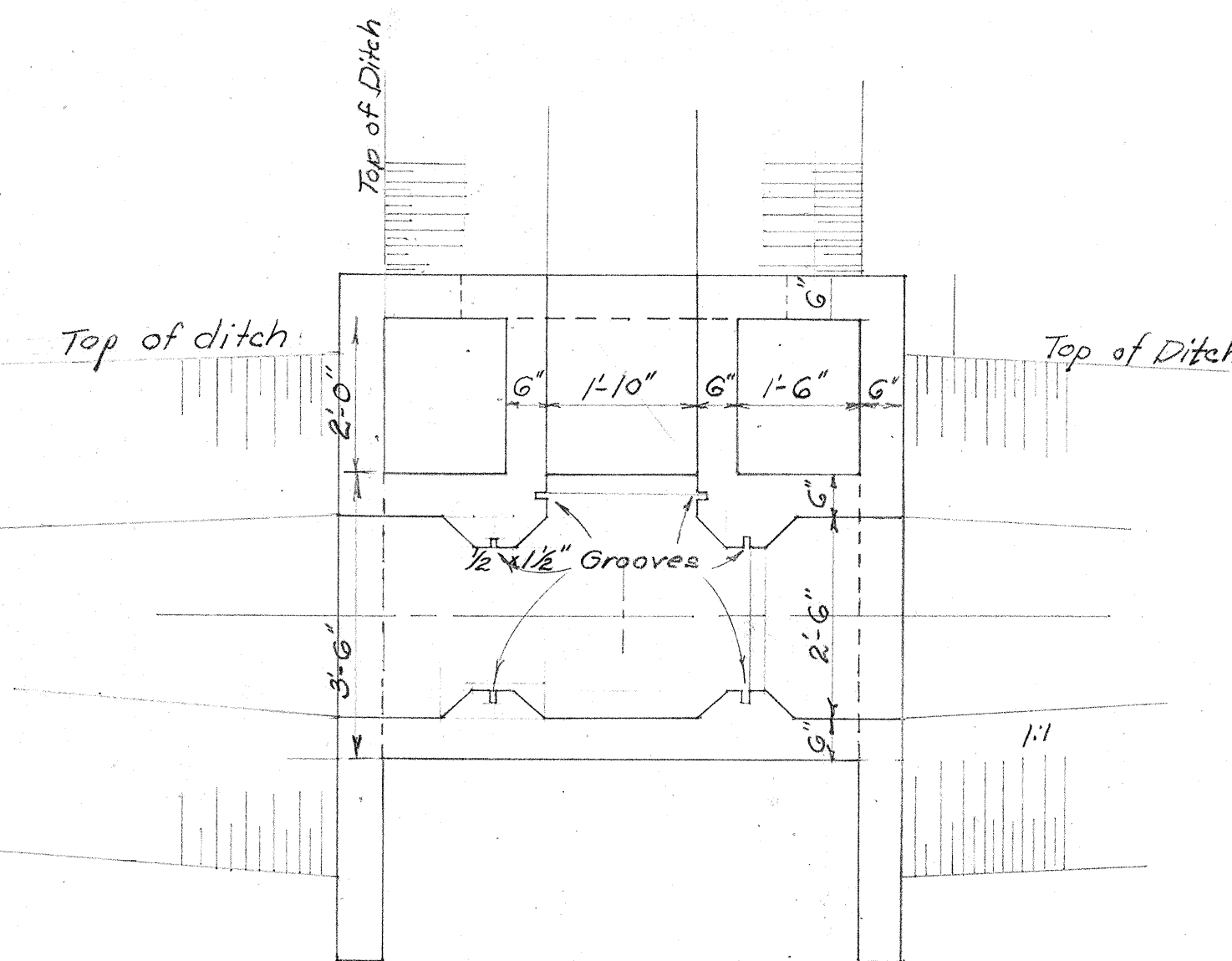
DETAIL OF HEAD WALL
Scale 1/2"=1'-0"



DETAIL OF HEAD WALL
Scale 1/2"=1'-0"

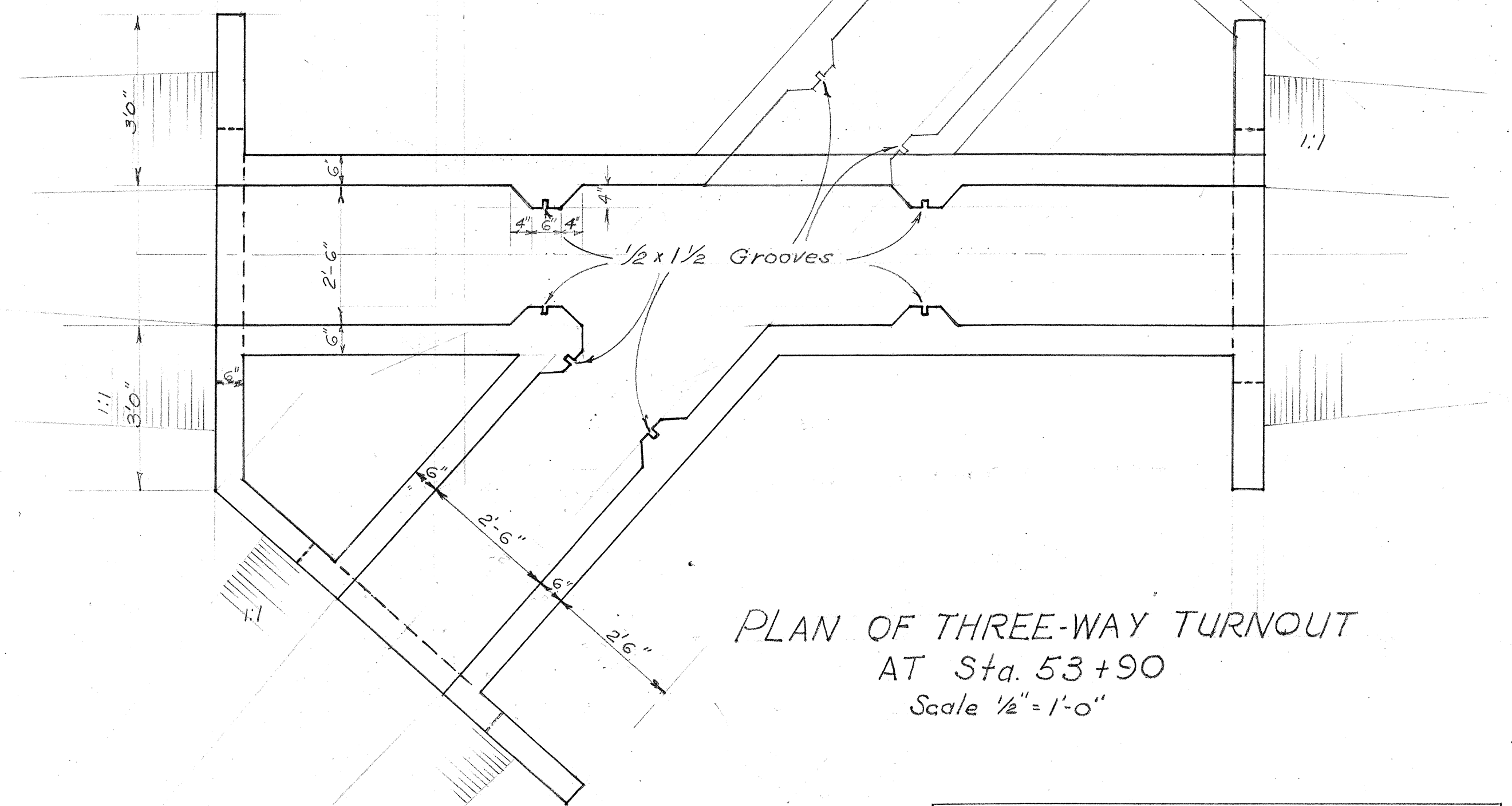


PLAN OF THREE-WAY TURNOUT
AT Sta. 53+30
Scale 1/2"=1'-0"



PLAN OF TWO - WAY TURNOUT
AT OUTLET
Scale 1/2"=1'-0"
Sta. 13+16.73

ESTIMATE OF QUANTITIES			
Stations	Gates Each	Class A-1 Concrete cu. y.	Structure Excavation cu. y.
12+90	1	3.1	6.0
13+16.73	1	2.4	6.5
53+30	1	3.6	10.0
53+90	2	6.6	11.0
TOTAL	4	15.0	31.5



PLAN OF THREE-WAY TURNOUT
AT Sta. 53+90
Scale 1/2"=1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

TURNOUT DETAILS

McBryde Mill Road S 5(2)

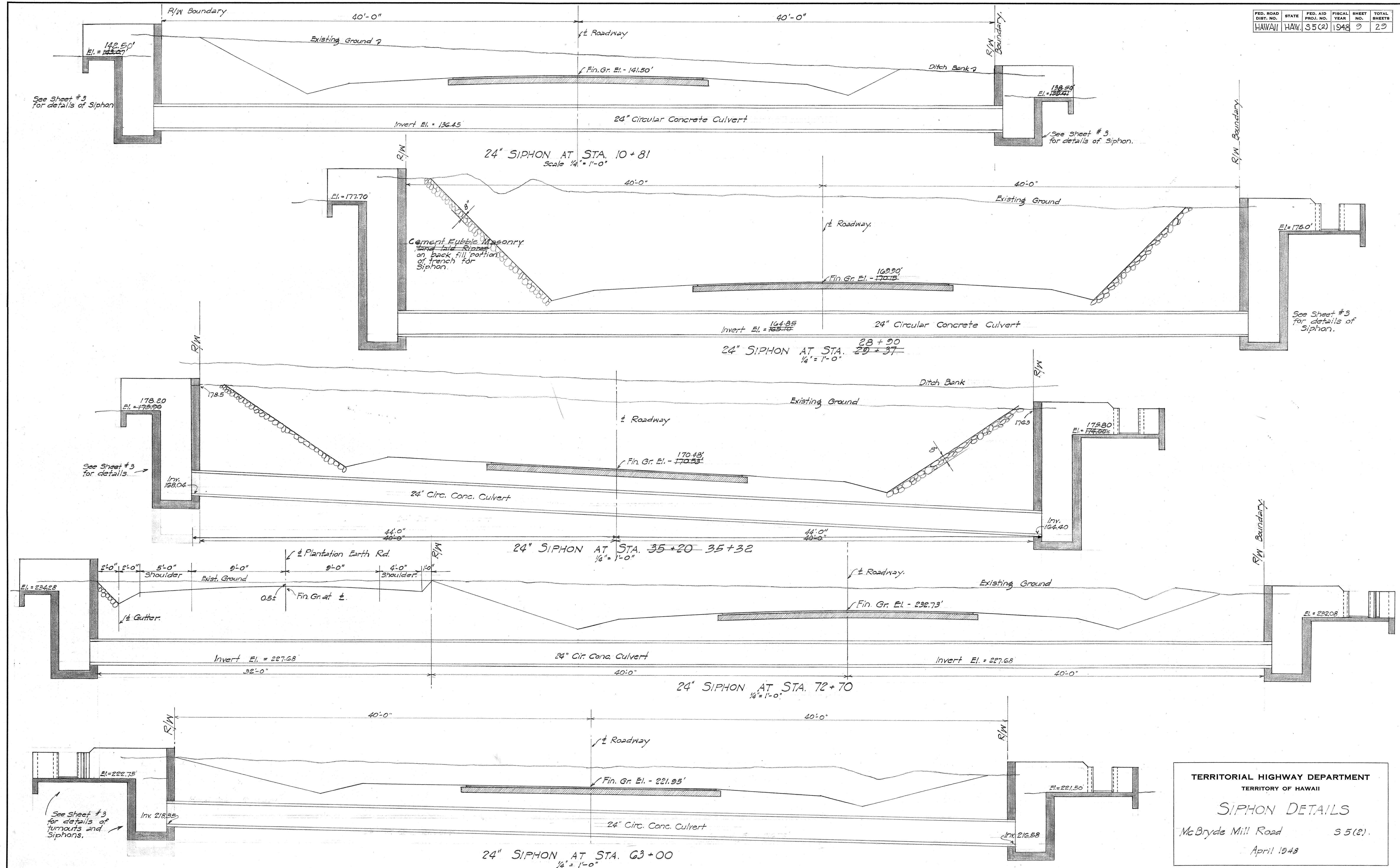
August 1948.

SHEET NO. OF SHEETS

5302.8

DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
NOTE BOOK No. _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S5(2)	1948	9	29



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

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

SIPHON DETAILS

McBryde Mill Road S 5(2).

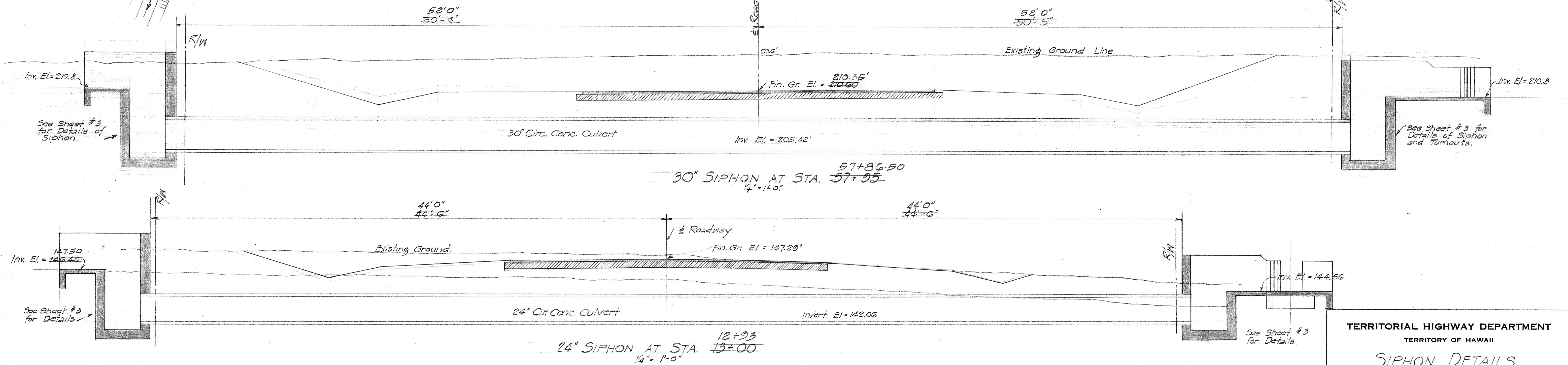
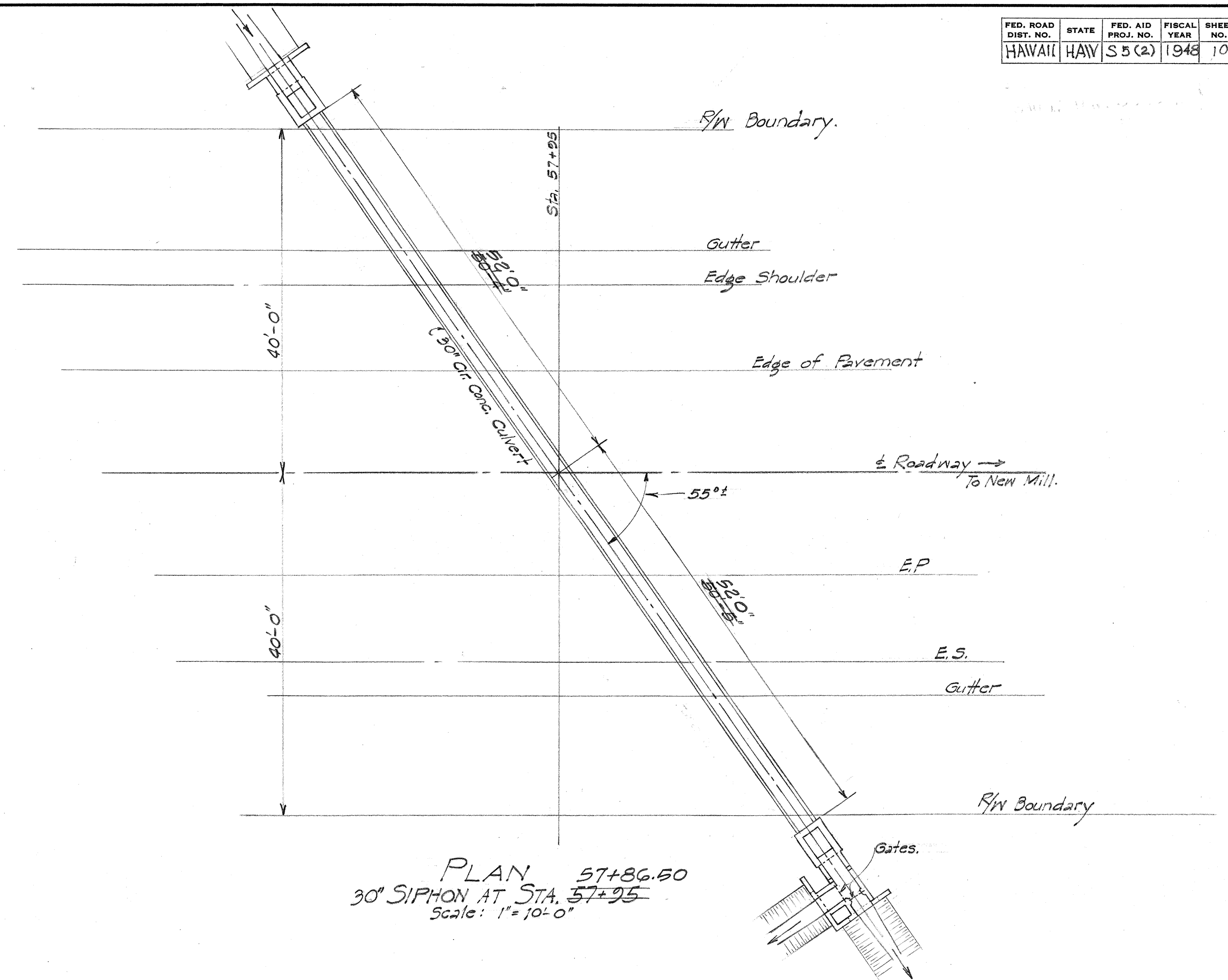
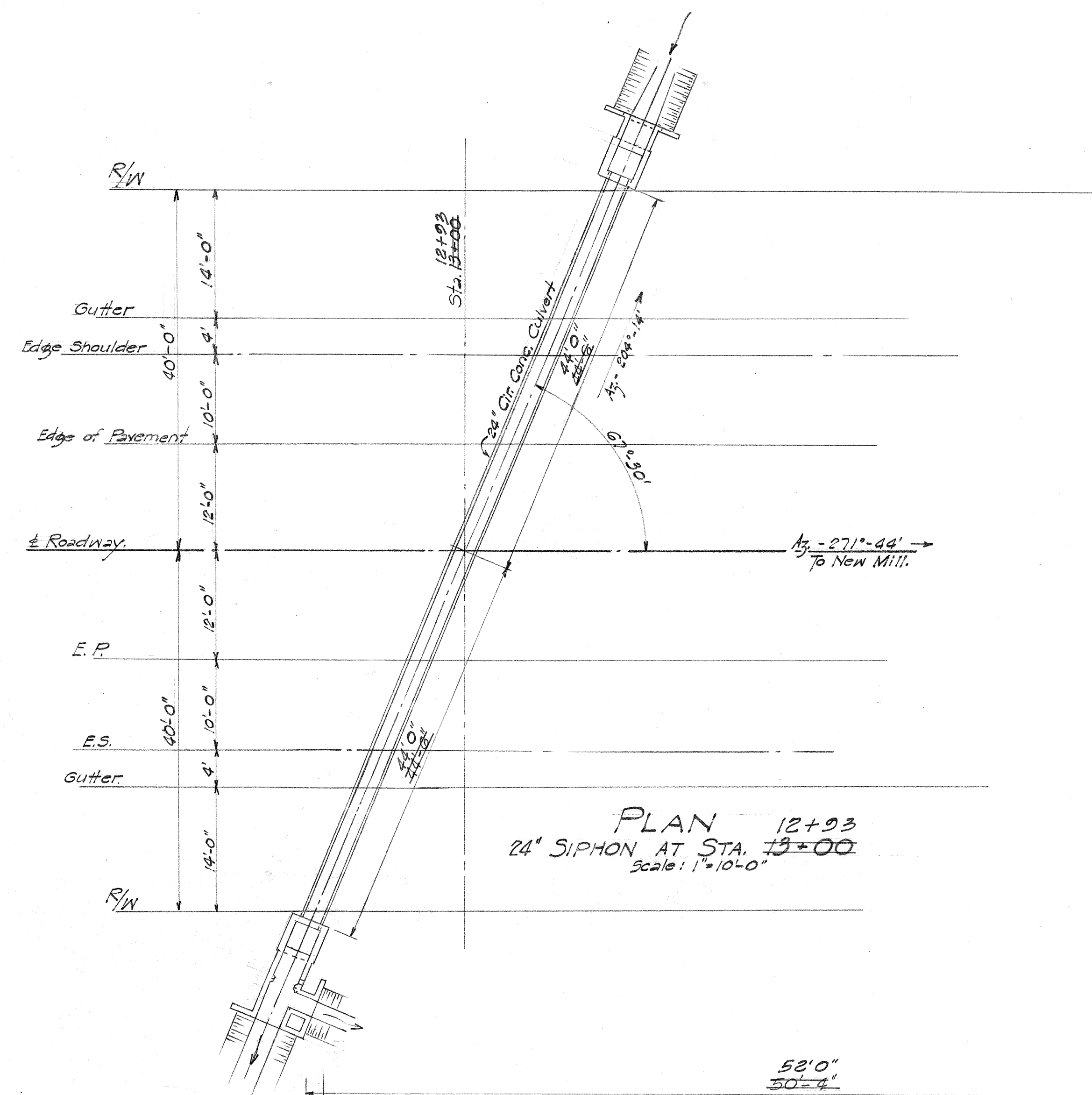
April 1948

SHEET No 1 OF 3 SHEETS

5302.9

5302

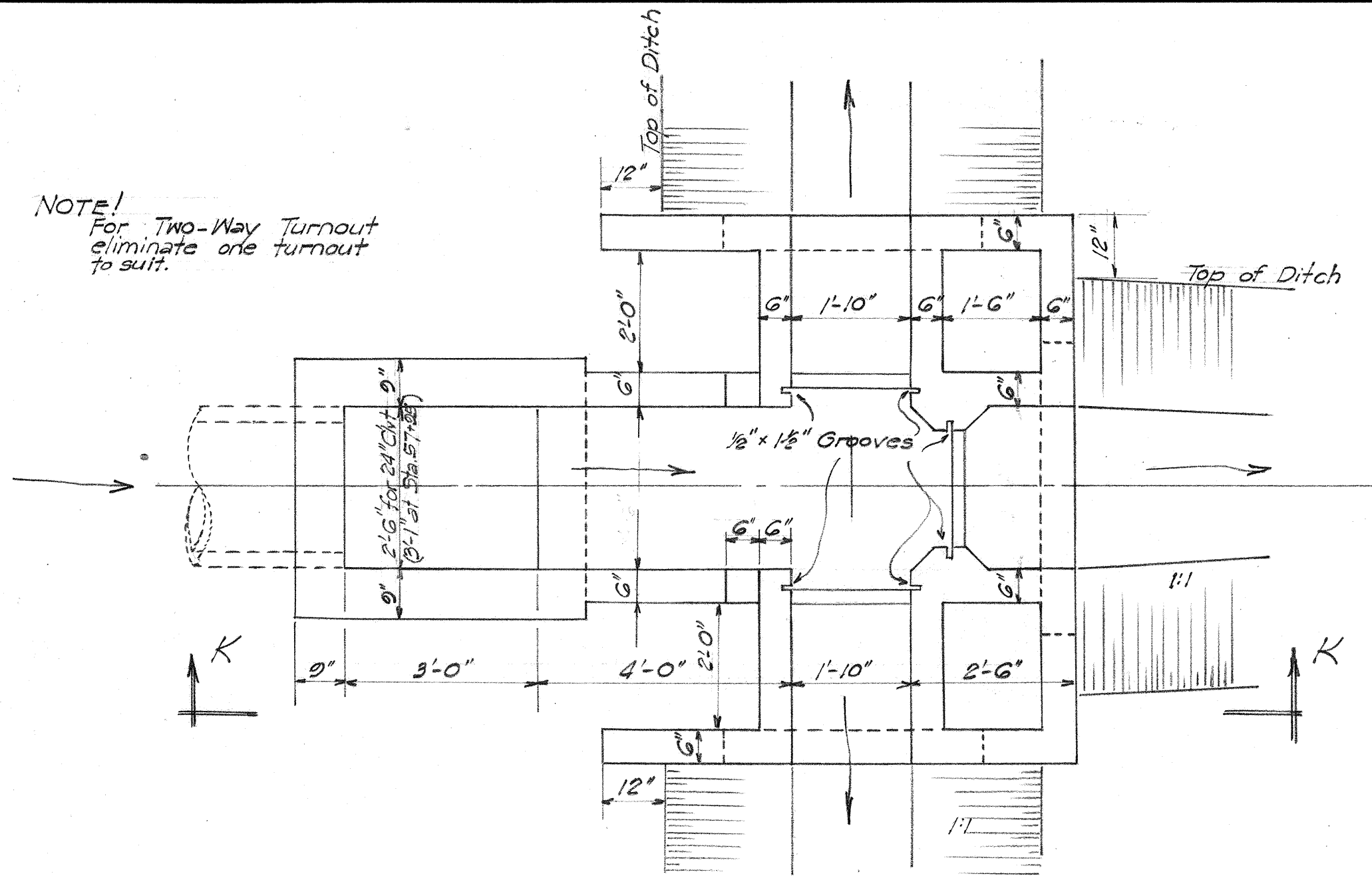
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S 5 (2)	1948	10	29



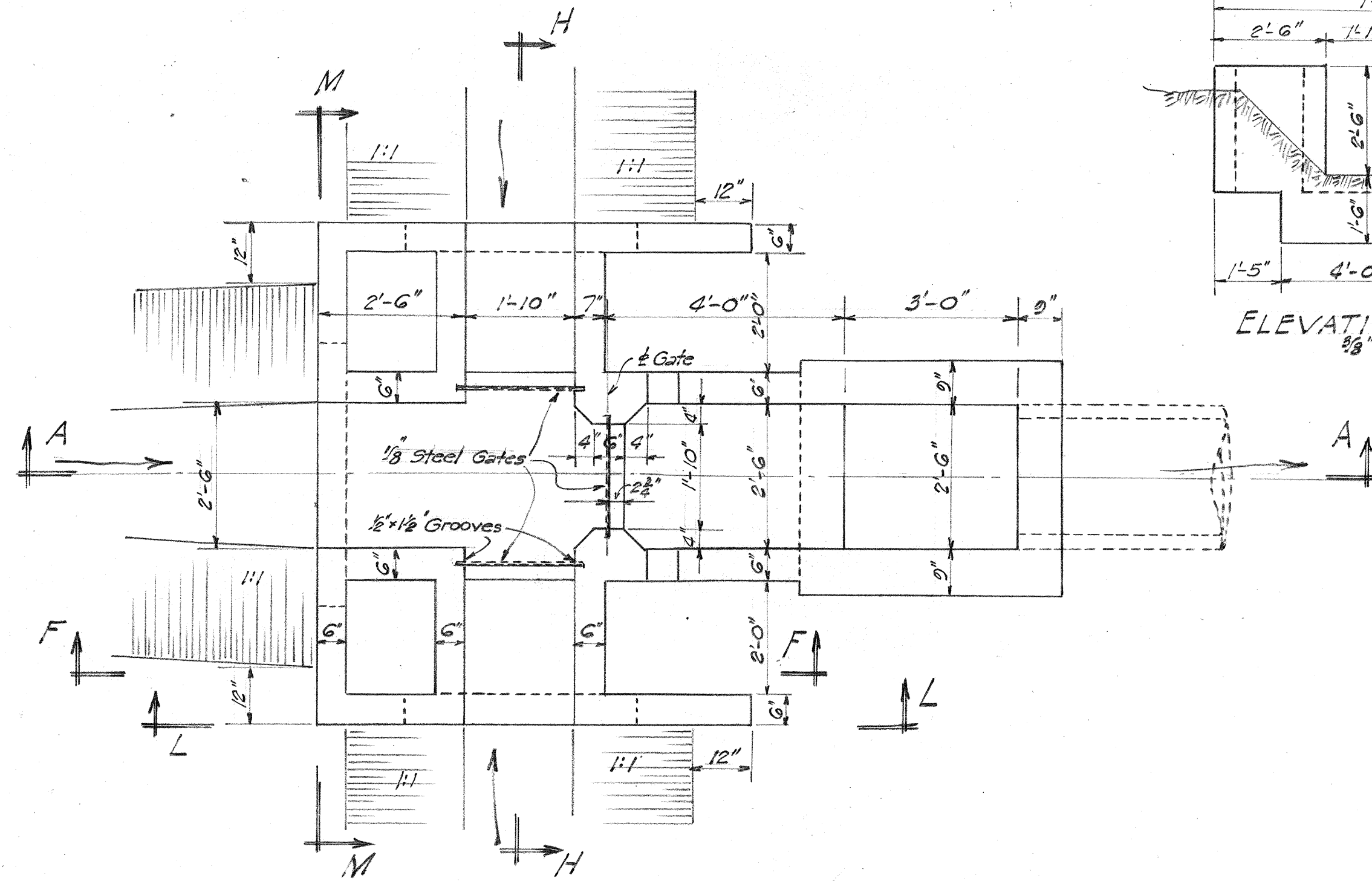
ORIGINAL PLAN	DATE
NO. 1007 R&E CO., N.Y.	4-1-48
QUANTITIES CHECKED BY	K. S. S. S.
TRACED BY	W. J. S.
DRAWN BY	W. J. S.
SURVEY PLOTTED BY	W. J. S.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
SYPHON DETAILS
McBryde Mill Road 35(2)
April 1948.

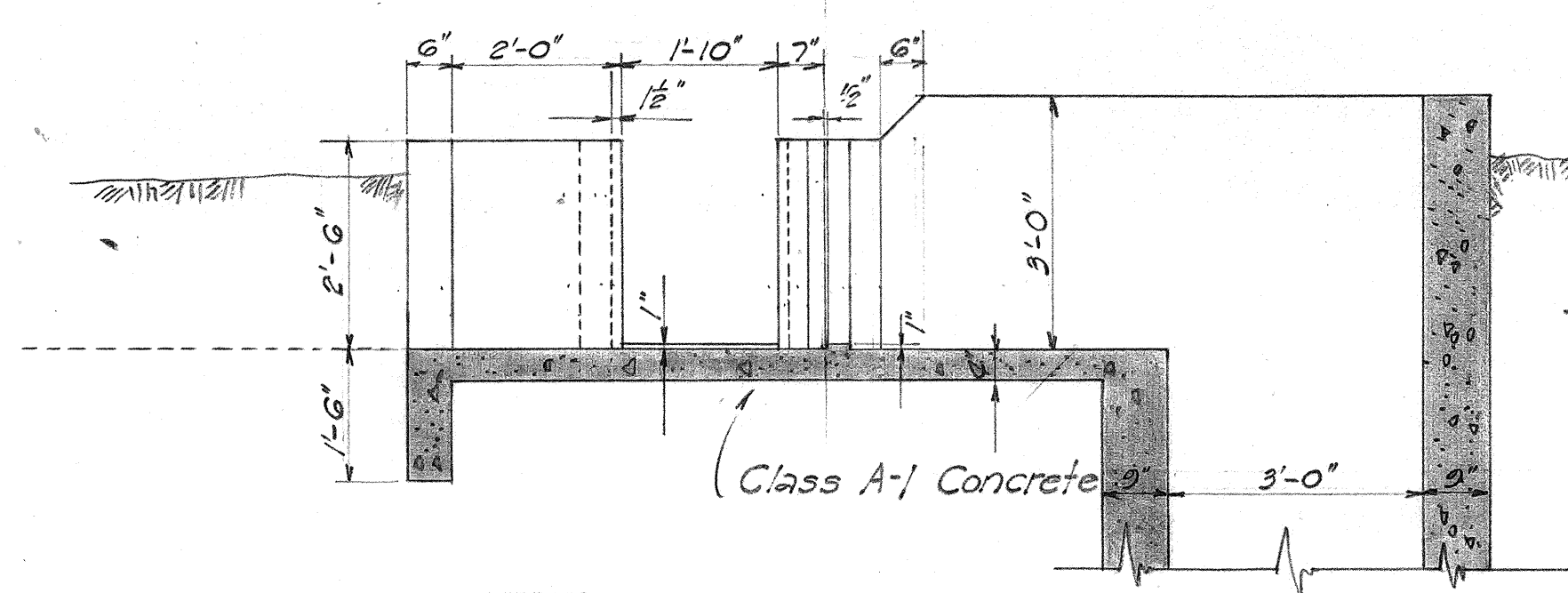
NOTE:
For Two-Way Turnout
eliminate one turnout
to suit.



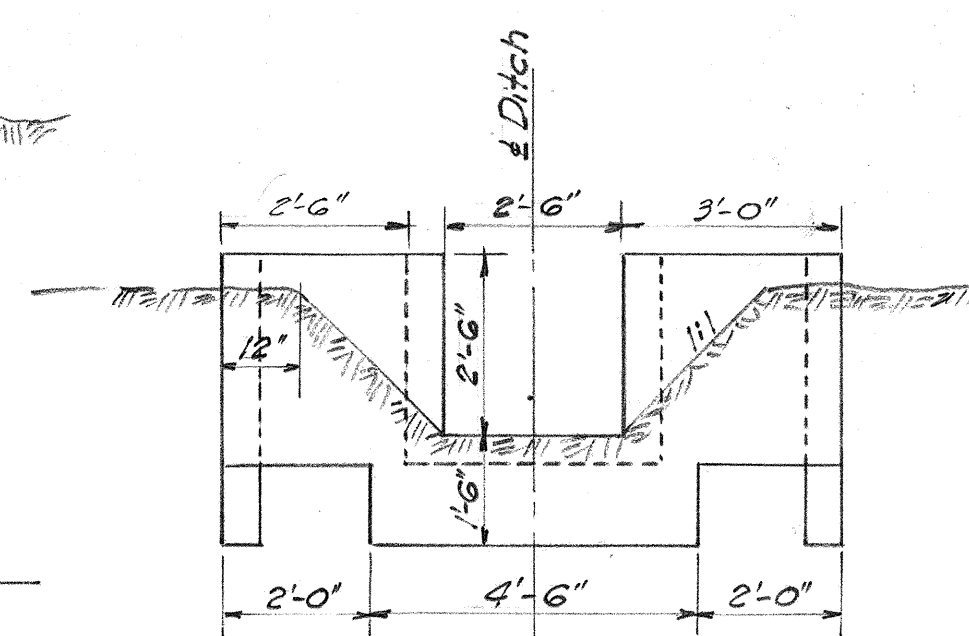
PLAN OF THREE-WAY TURNOUT
AT OUTLET
Scale: $\frac{1}{2}" = 1'-0"$



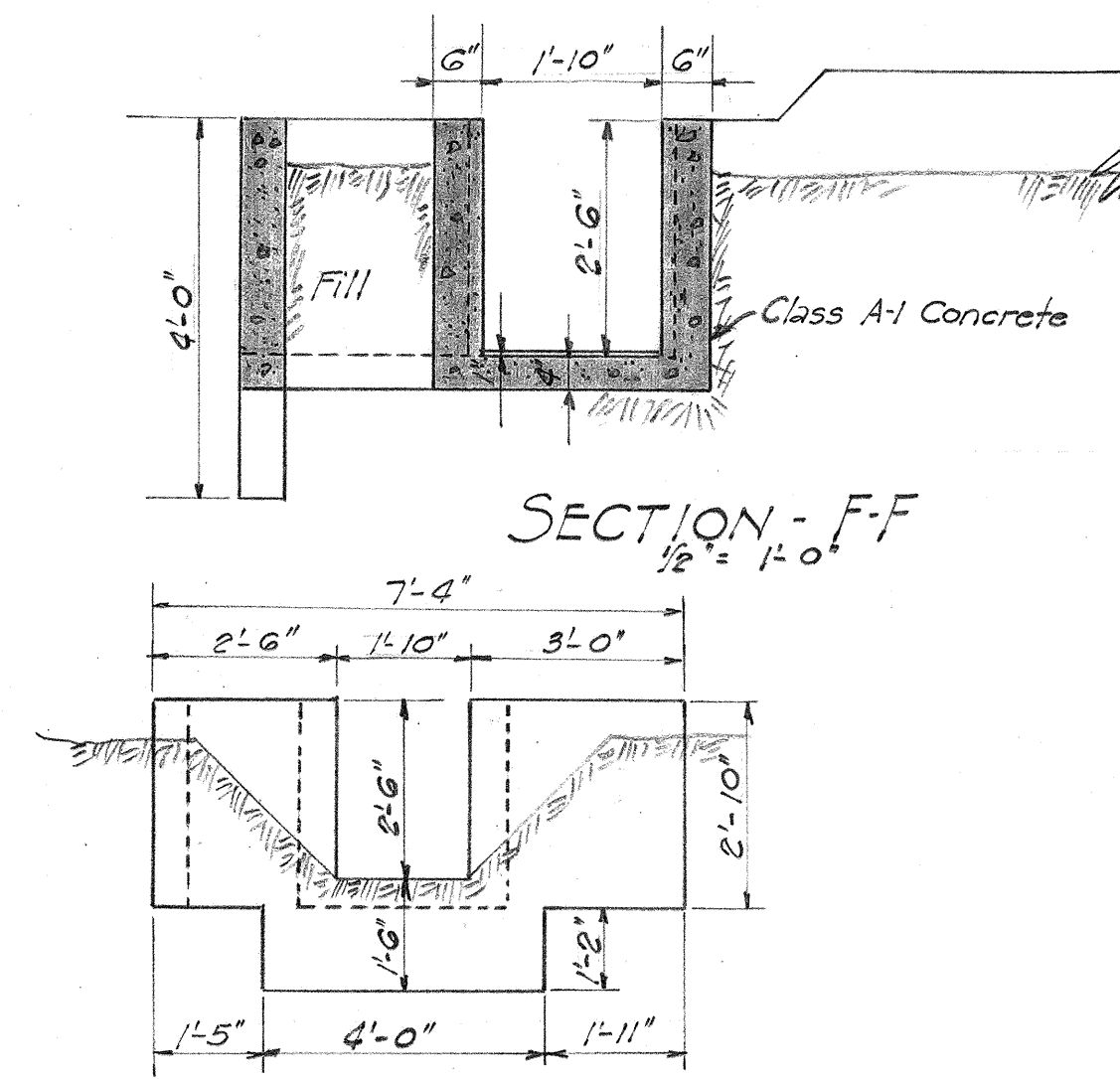
PLAN OF THREE-WAY TURNOUT AT INTAKE
Scale: $\frac{1}{2}" = 1'-0"$



SECTION - AA
Scale: $\frac{1}{2}" = 1'-0"$

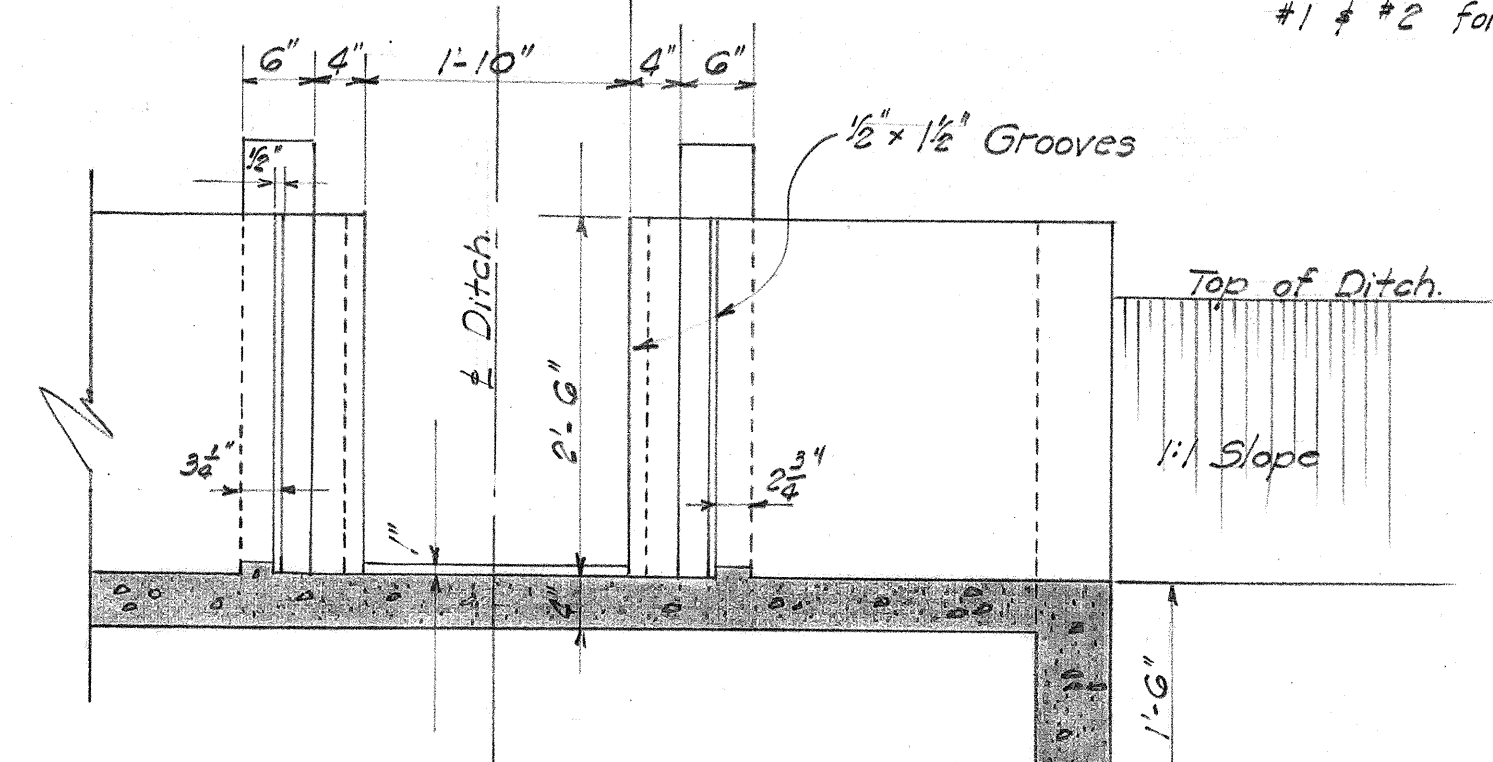


ELEVATION - M-M
Scale: $\frac{3}{8}" = 1'-0"$

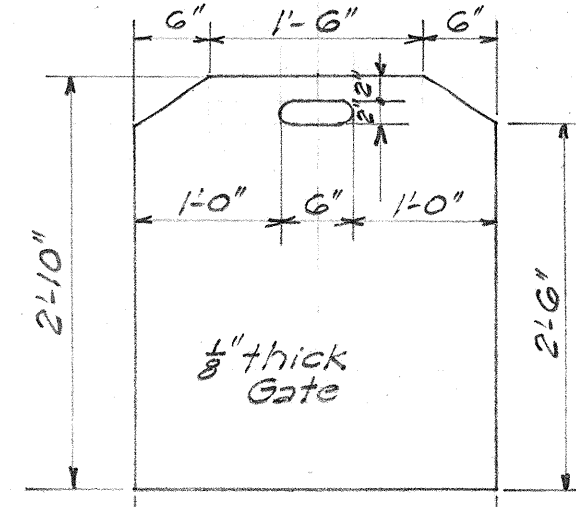


SECTION - F-F
Scale: $\frac{1}{2}" = 1'-0"$

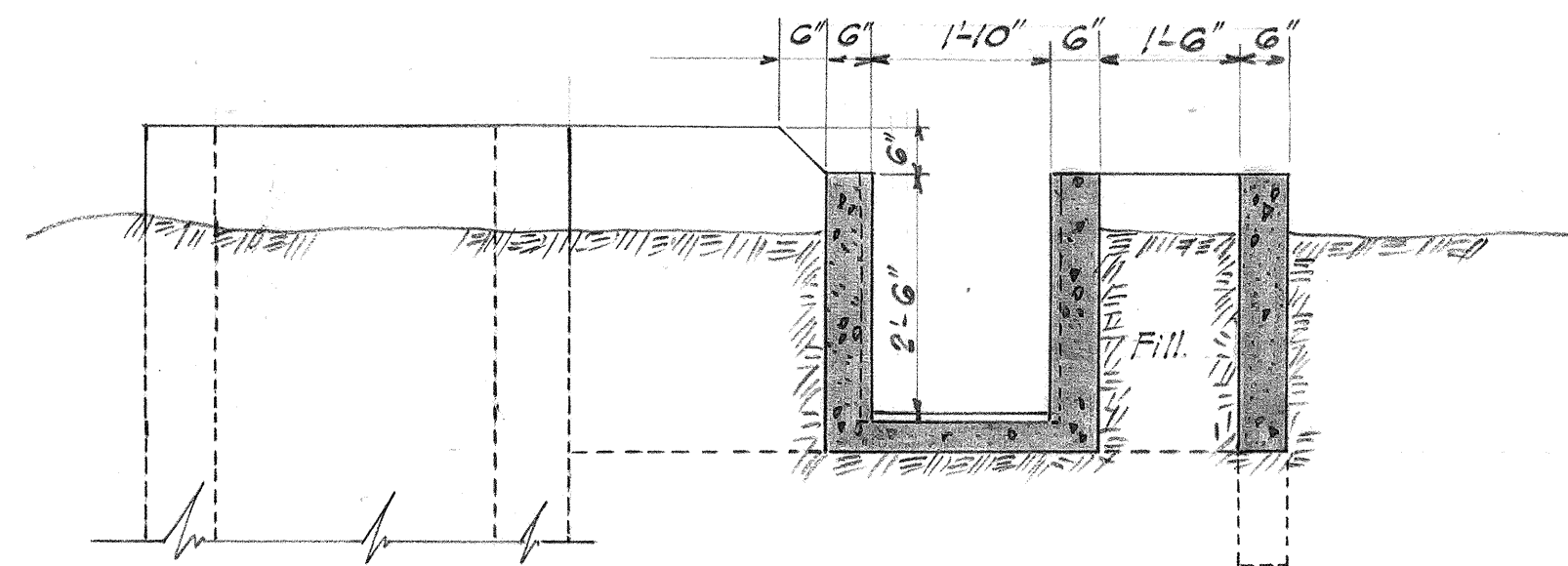
ELEVATION - L-L
Scale: $\frac{1}{8}" = 1'-0"$



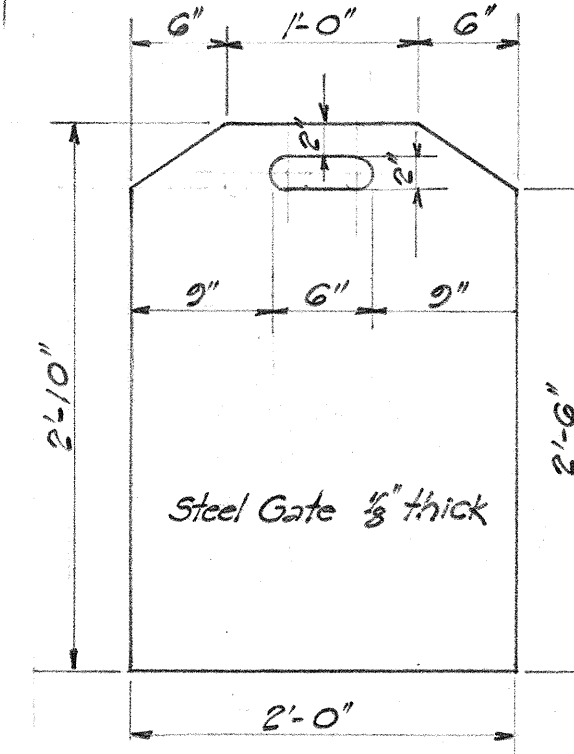
SECTION - H-H
Scale: $\frac{3}{8}" = 1'-0"$



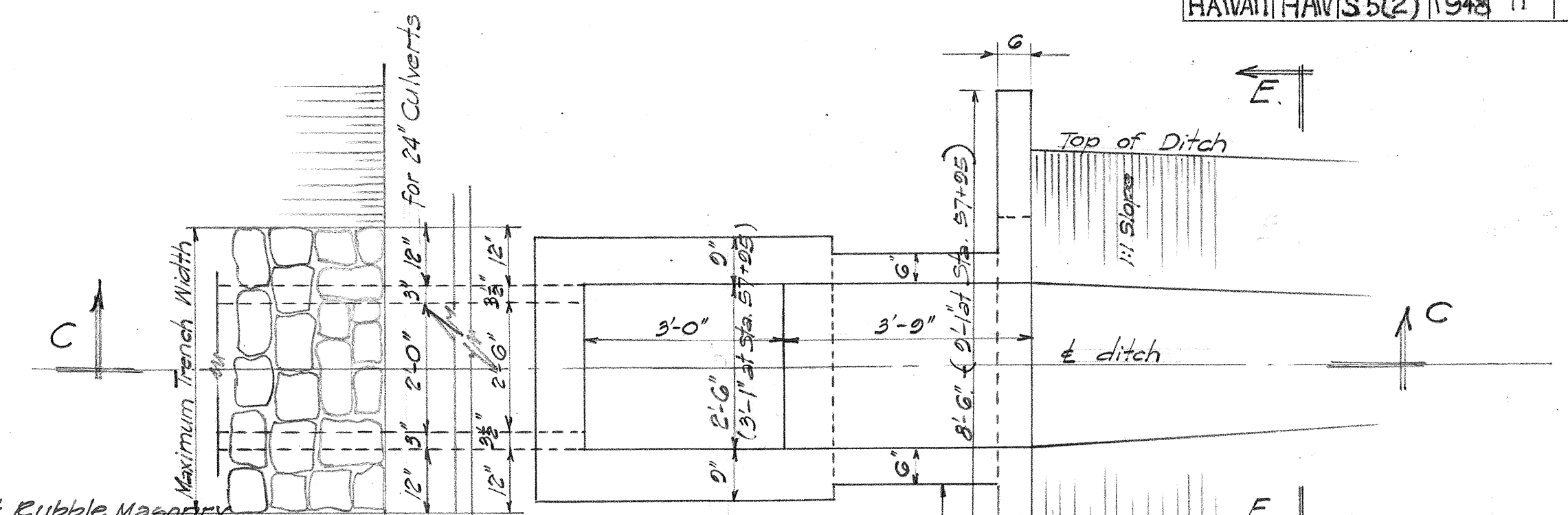
SPECIAL GATE
Sta. 57+95
Scale: $\frac{1}{2}" = 1'-0"$



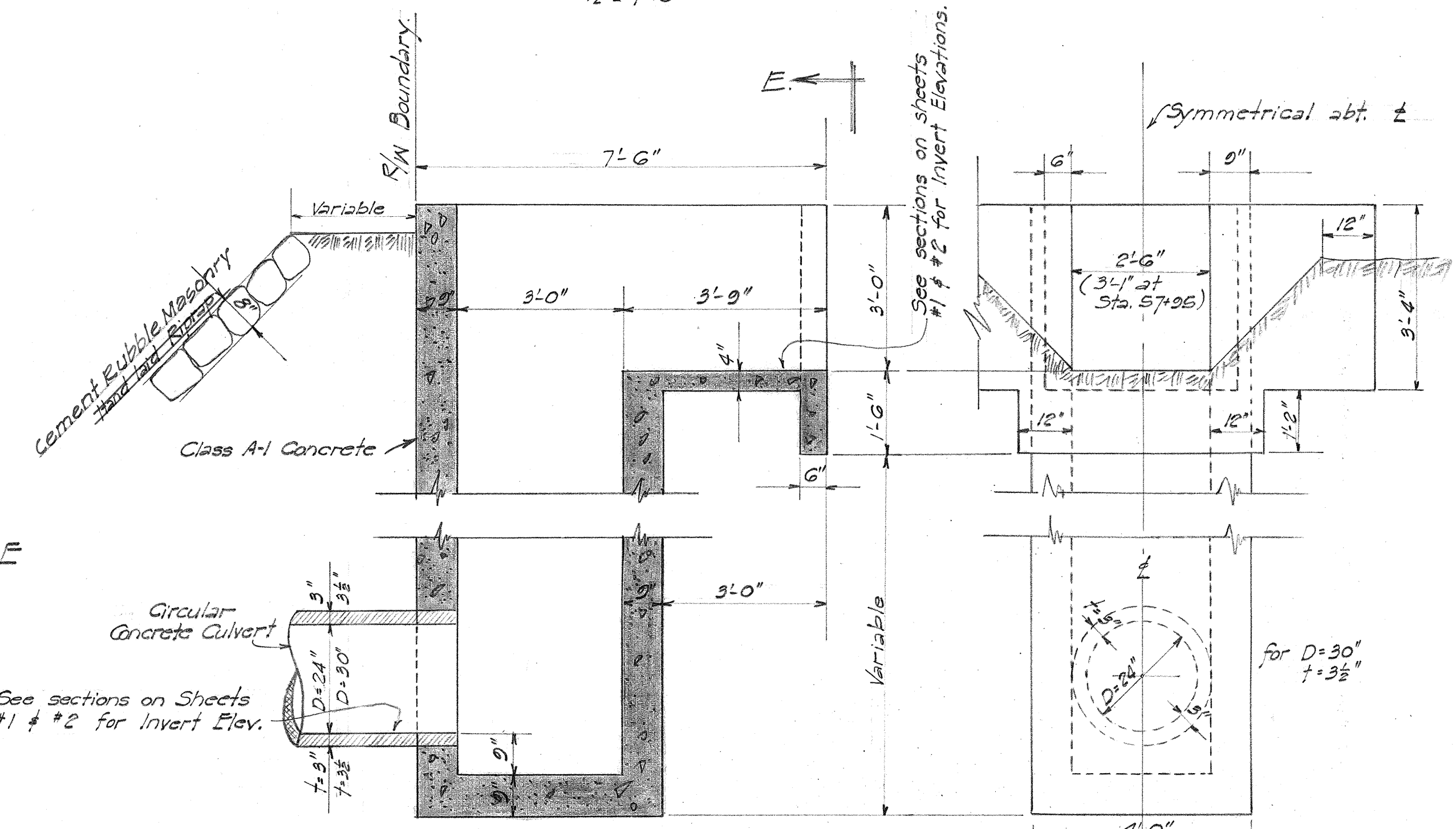
SECTION - K-K
Scale: $\frac{1}{2}" = 1'-0"$



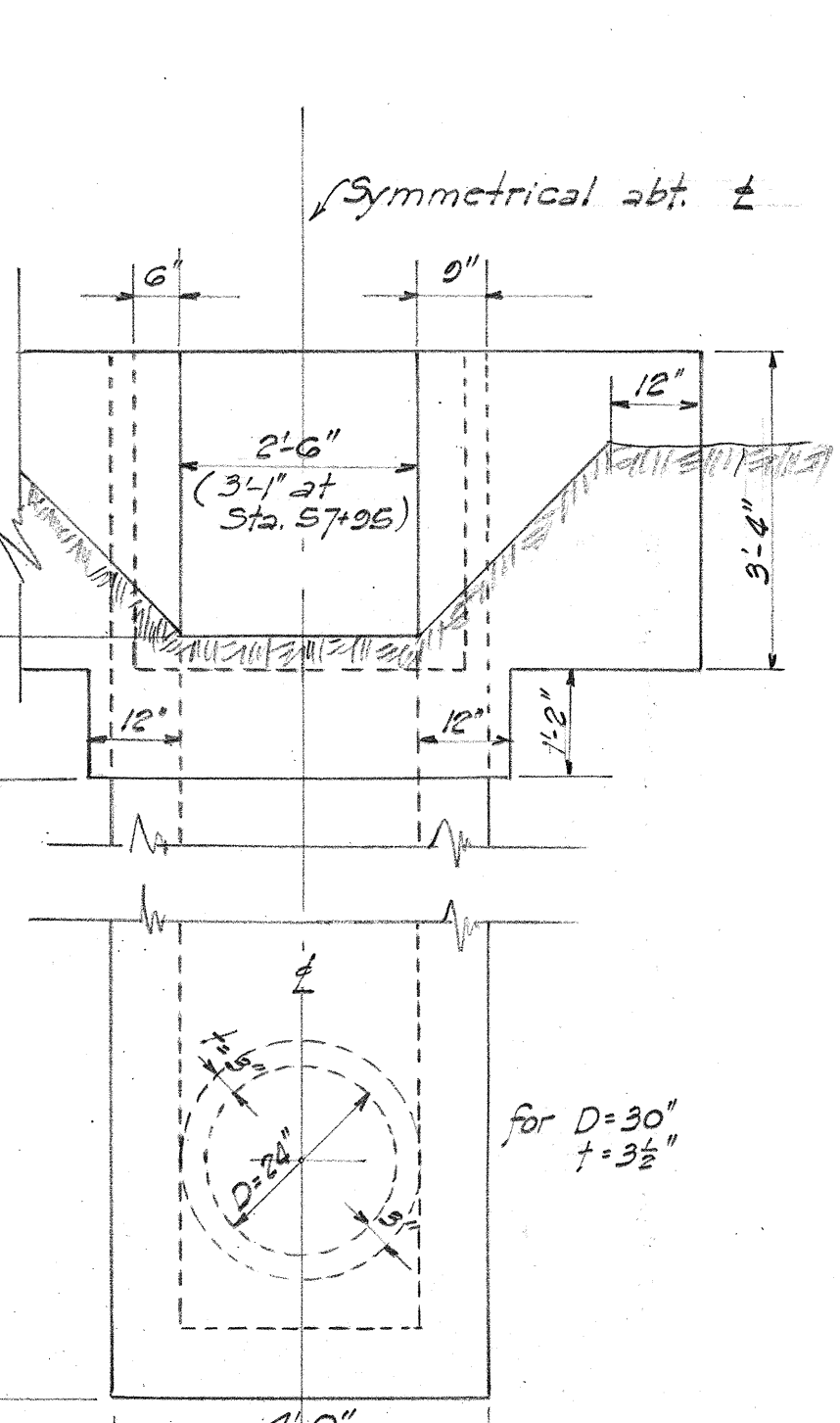
DETAIL OF STEEL GATE
Scale: $1" = 1'-0"$



PLAN
INTAKE AND OUTLET DETAIL
FOR SIPHON
Scale: $\frac{1}{2}" = 1'-0"$



SECTION - C-C
Scale: $\frac{1}{2}" = 1'-0"$



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

ESTIMATE OF QUANTITIES.					
Stations	Ln. ft. of 24" Conc. Culvert	Class A-1 Concrete cu. yd.	Structure Excavation cu. yd.	C.R.M. Riprap cu. yd.	Gates Each
10+81	80' 82'	8.3 8.9	93 101		0
12+93	88' 92'	9.9 8.9	102 96		2
28+90	80' 82'	15.1 14.9	115 130	5.5 3.4	1
35+32	88' 86'	14.5 12.9	120 116	4.5 3.3	1
57+86.50	—	10.4	115		1
57+95	—	10.4	115		1
63+00	80' 82'	11.5 11.5	100 100		2
72+70	112' 114'	11.0 10.9	150 150		2
TOTAL	528 534 ft	80.7 73.4 cu. yd.	798 835 cu. yd.	100 16.7 cu. yd.	9

* Sta. 57+95 30" Cir. Conc. Culvert - 104' long.
† 1-Special Gate

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
SIPHON DETAILS
McBryde Mill Road 55(2).
April 1948.

SHEET No. 3 OF 3 SHEETS

5302.11

SURVEY PLOTTED BY: DATE: 4-2-48
DRAWN BY: J. J. J.
CHECKED BY: J. J. J.
NOTE BOOK No. 5302.11