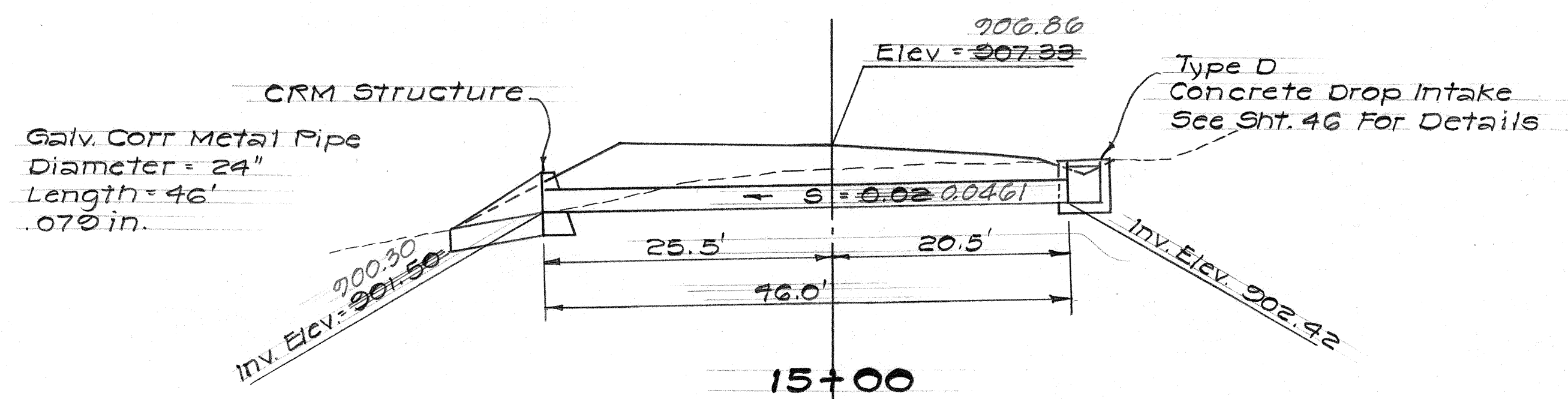
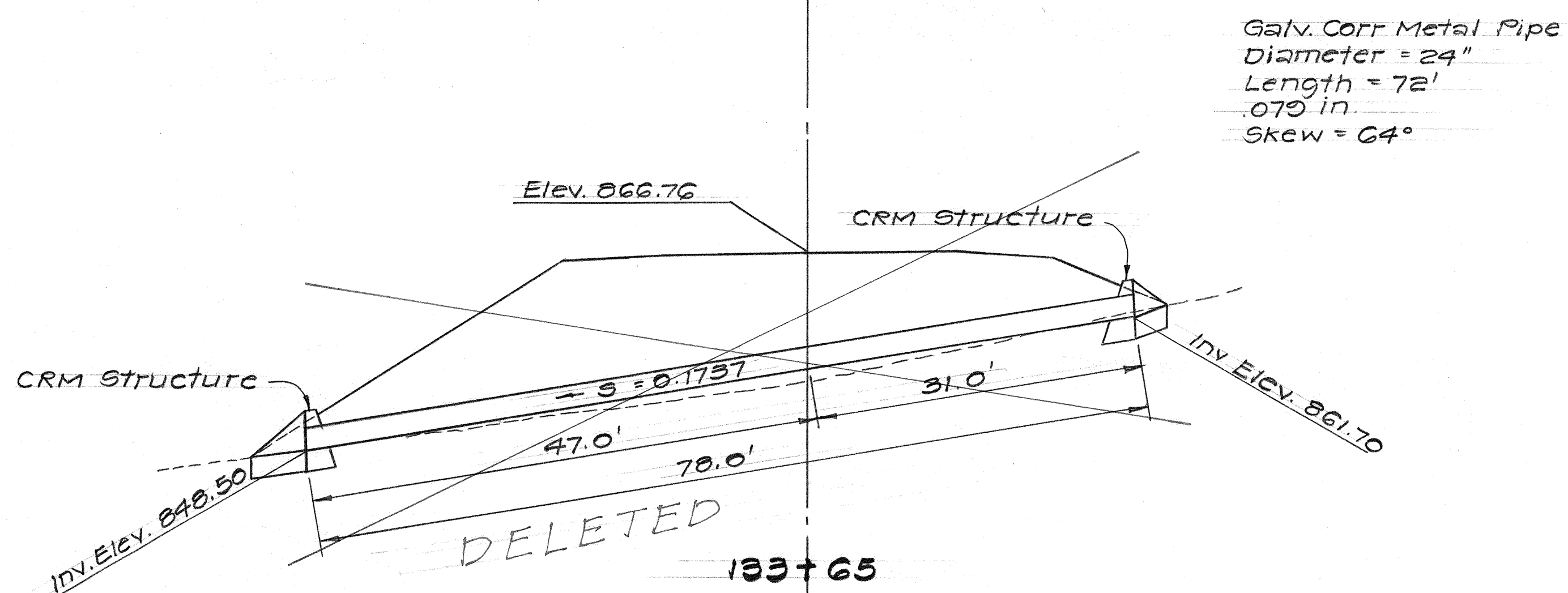
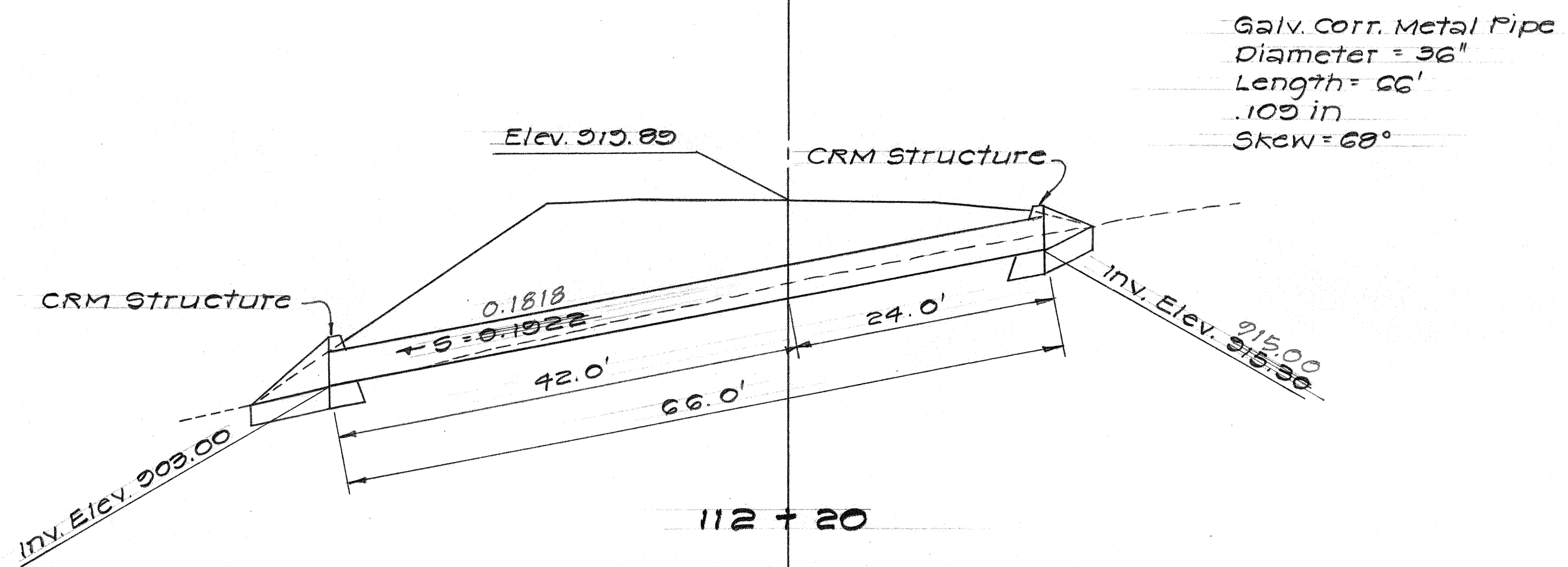
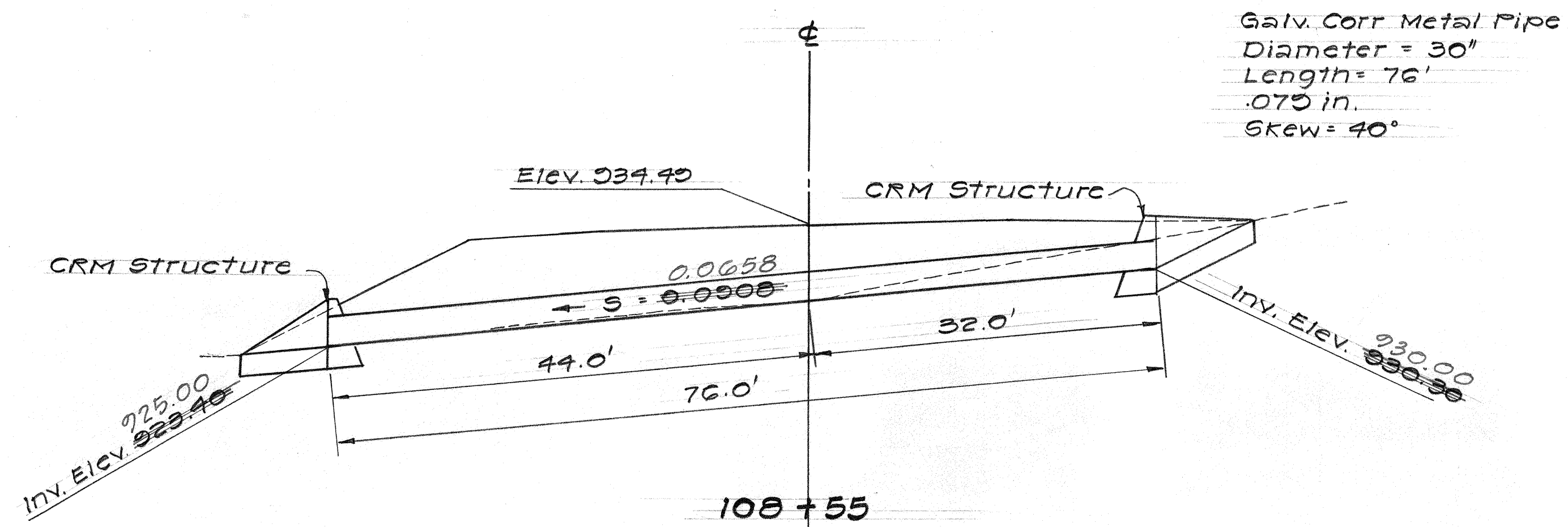
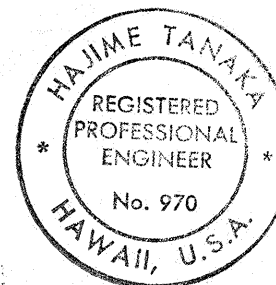


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	240A-01-71 UNIT 2	1978	7	63



DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
APPROVED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____



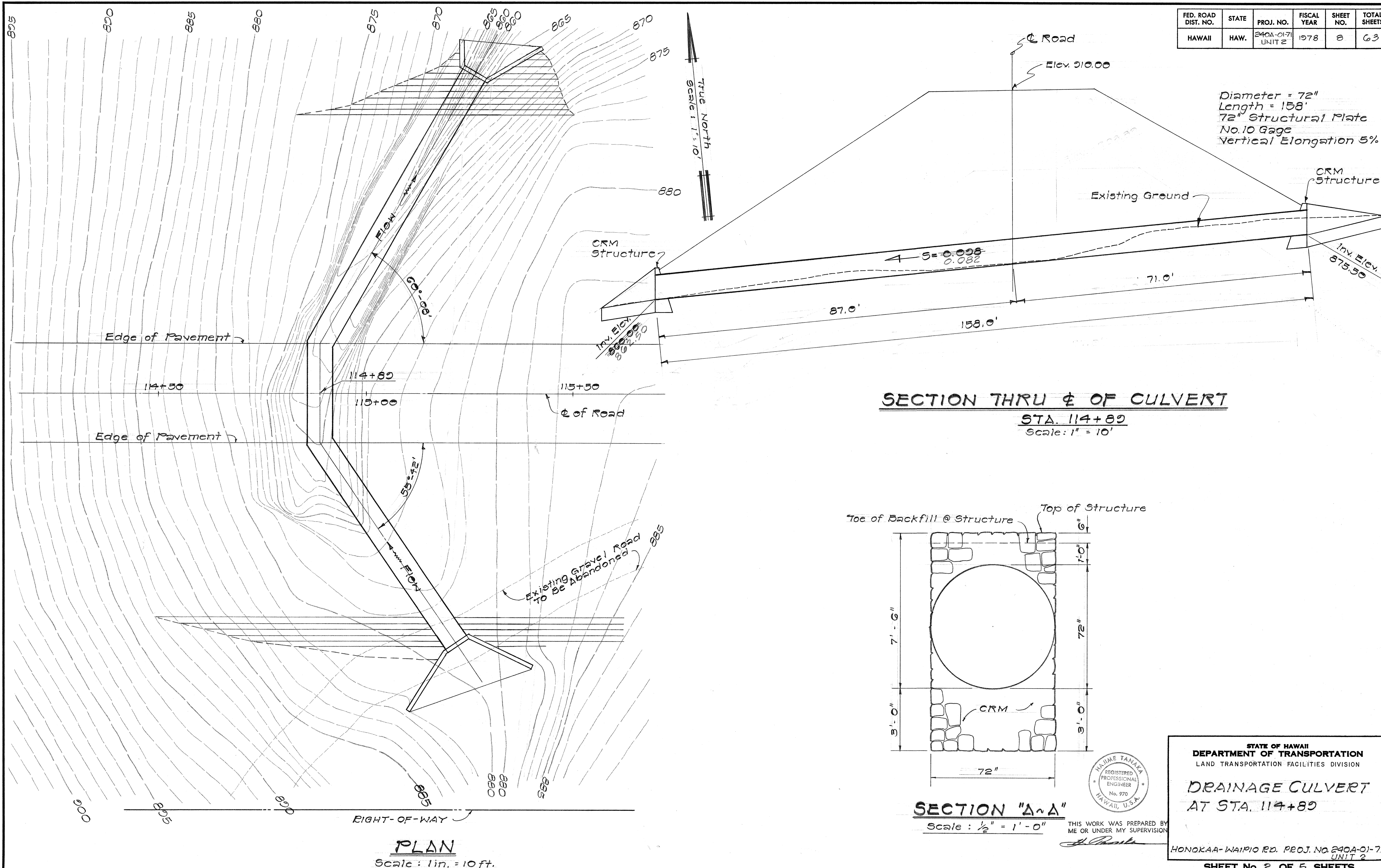
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
[Signature]

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
DRAINAGE CULVERTS
AT STA. 108+55, 112+20
133+65 & 15+00

HONOLULU-WAIPIO RD. PROJ. NO. 240A-01-71
UNIT 2

SHEET No. 1 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	240A-01-71 UNIT 2	1978	8	63



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

K&E CRYSTALINE
BRACING BAR

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

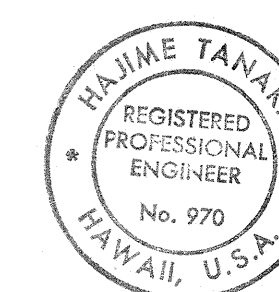
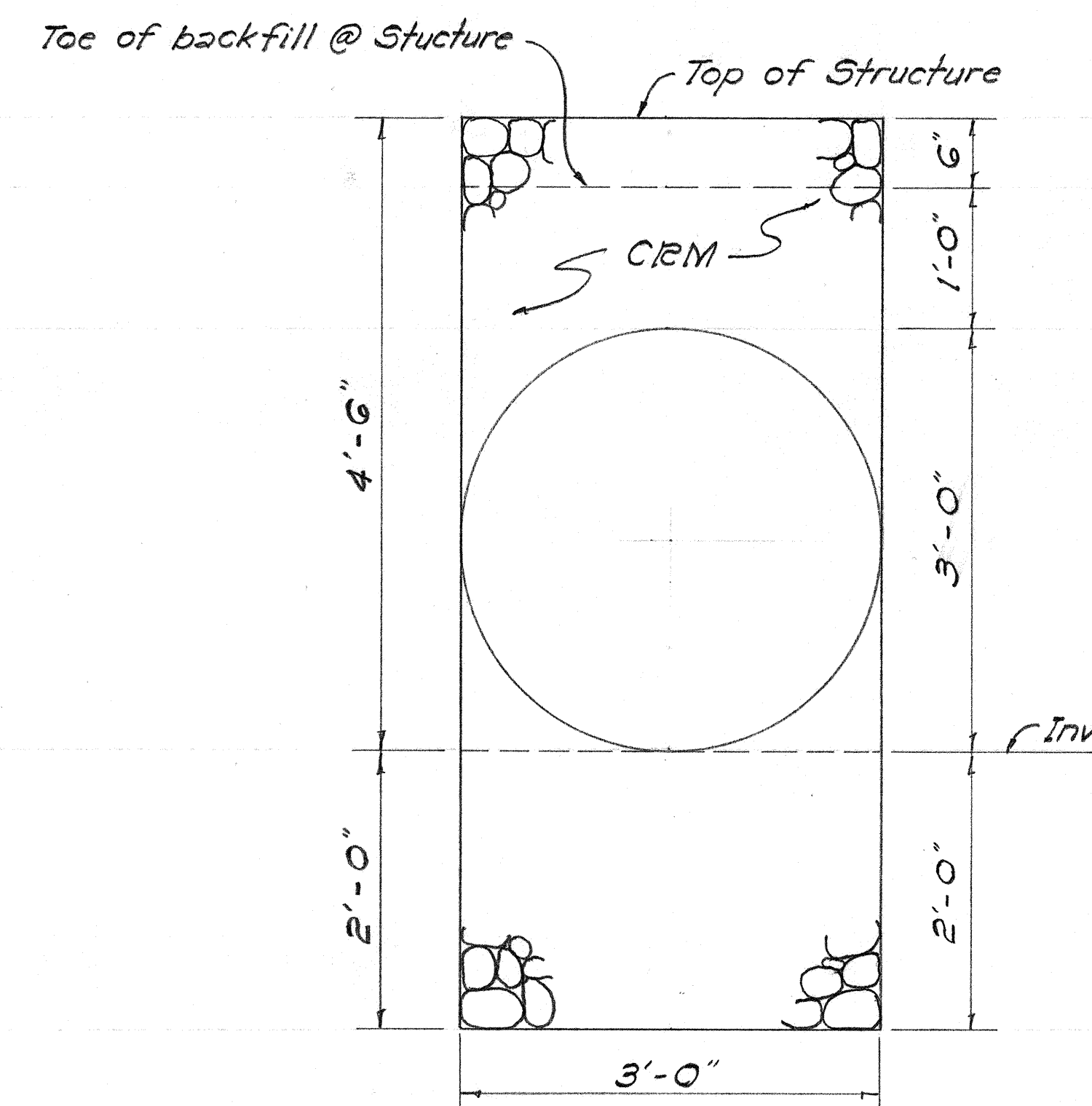
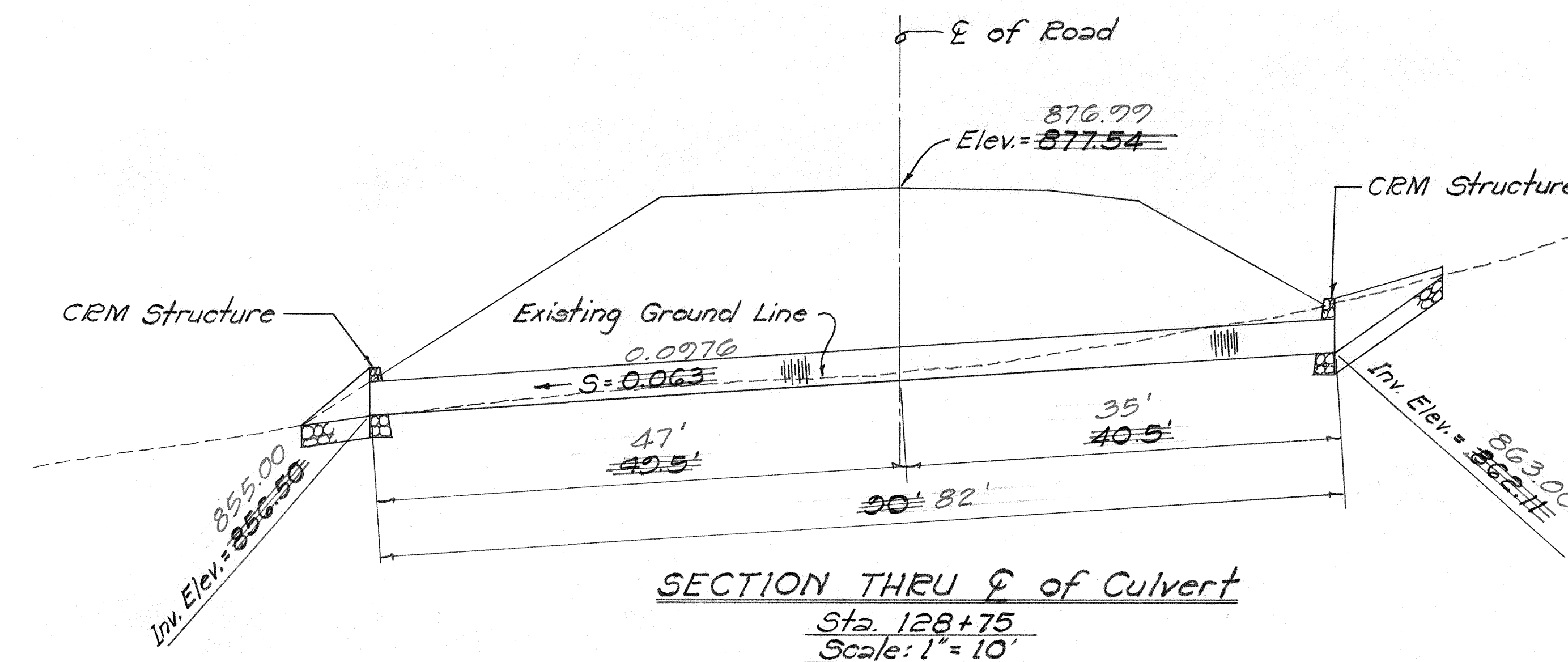
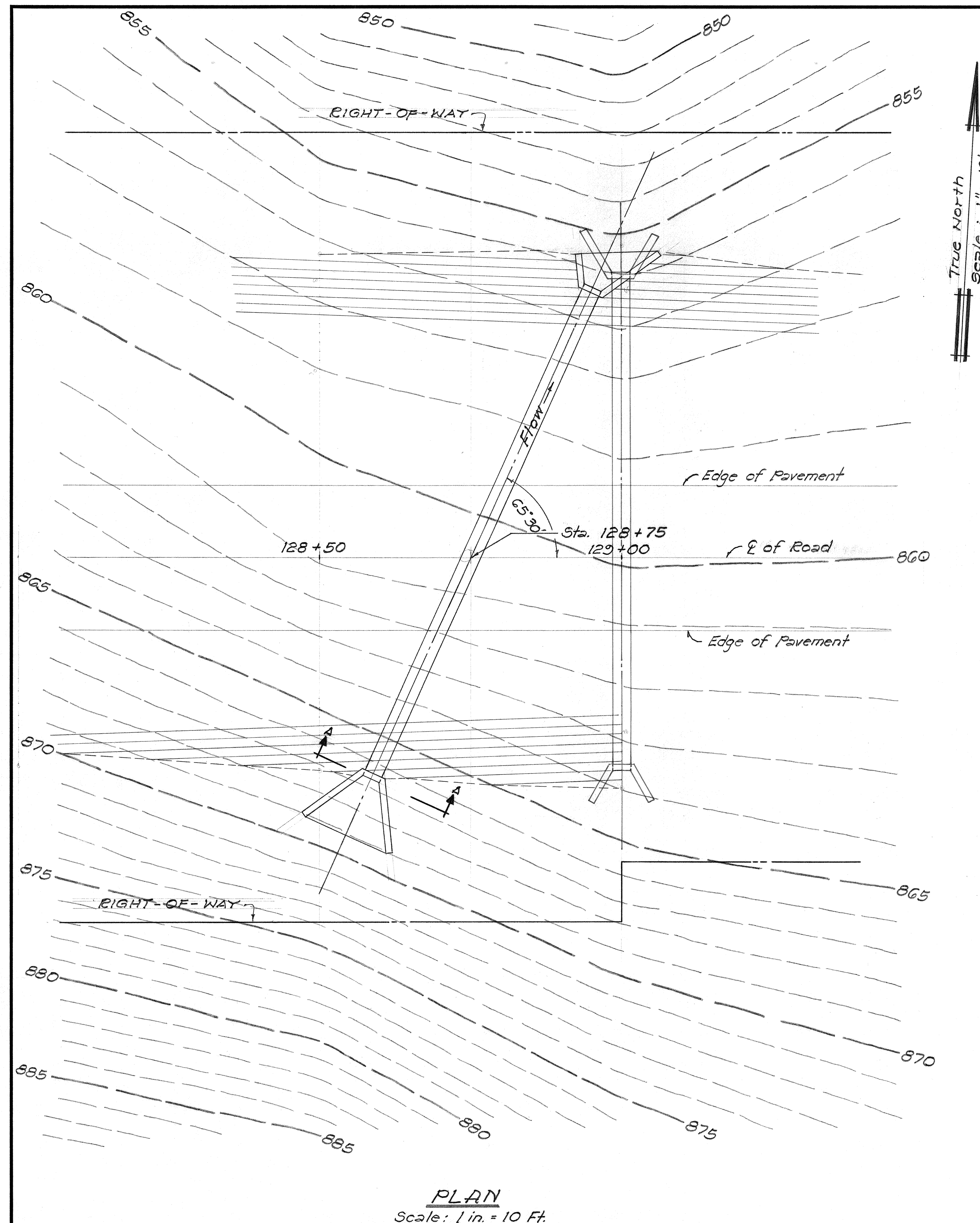
DRAINAGE CULVERT
AT STA. 114+80

HONOKAA-WAIPIO RD. PROJ. NO. 240A-01-7
UNIT 2

SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	240A-01-71 UNIT 2	1978	3	5

Galv. Corr. Metal Pipe
Diameter = 36"
Length = 90 ± 82'
.103 in.



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ME OR UNDER MY SUPERVISION

A. [Signature]

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

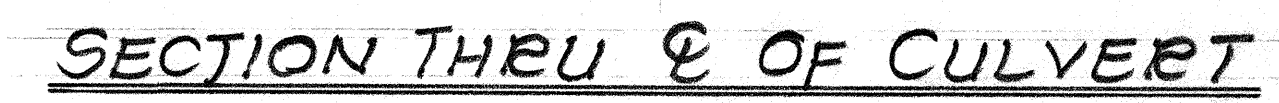
DRAINAGE CULVERT
AT STA. 128+75
129+00

HONOLULU - WAIPILO RD. PROJ. NO. 240A-01-71
UNIT 2

SHEET No. 3 OF 5 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
APPROVED BY	

Galv. Corr. Metal Pipe
Diameter = 24"
Length = 44'
.079 in.

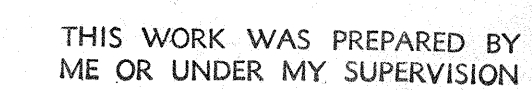


Sta. 9+50

Scale: 1" = 10'



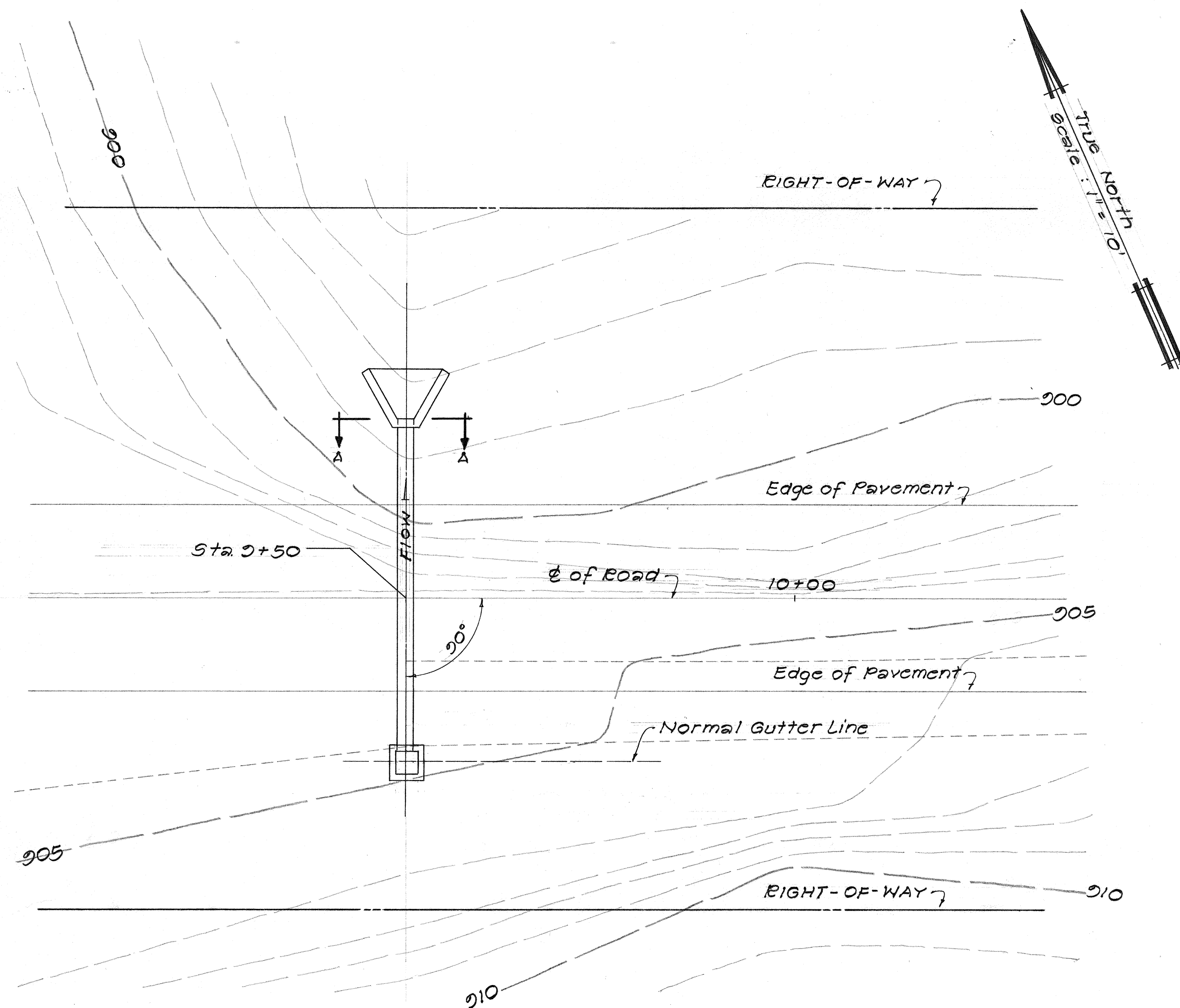
Scale: 1" = 1'-0"



DRAINAGE CULVERT
AT STA. 2+50

WAIPIO LOOKOUT TURNOFF
HONOKAA WAIPIO RD. PEWJ. NO. 240A-01-71
JUNE 2

SHEET No. 4 OF 5 SHEETS



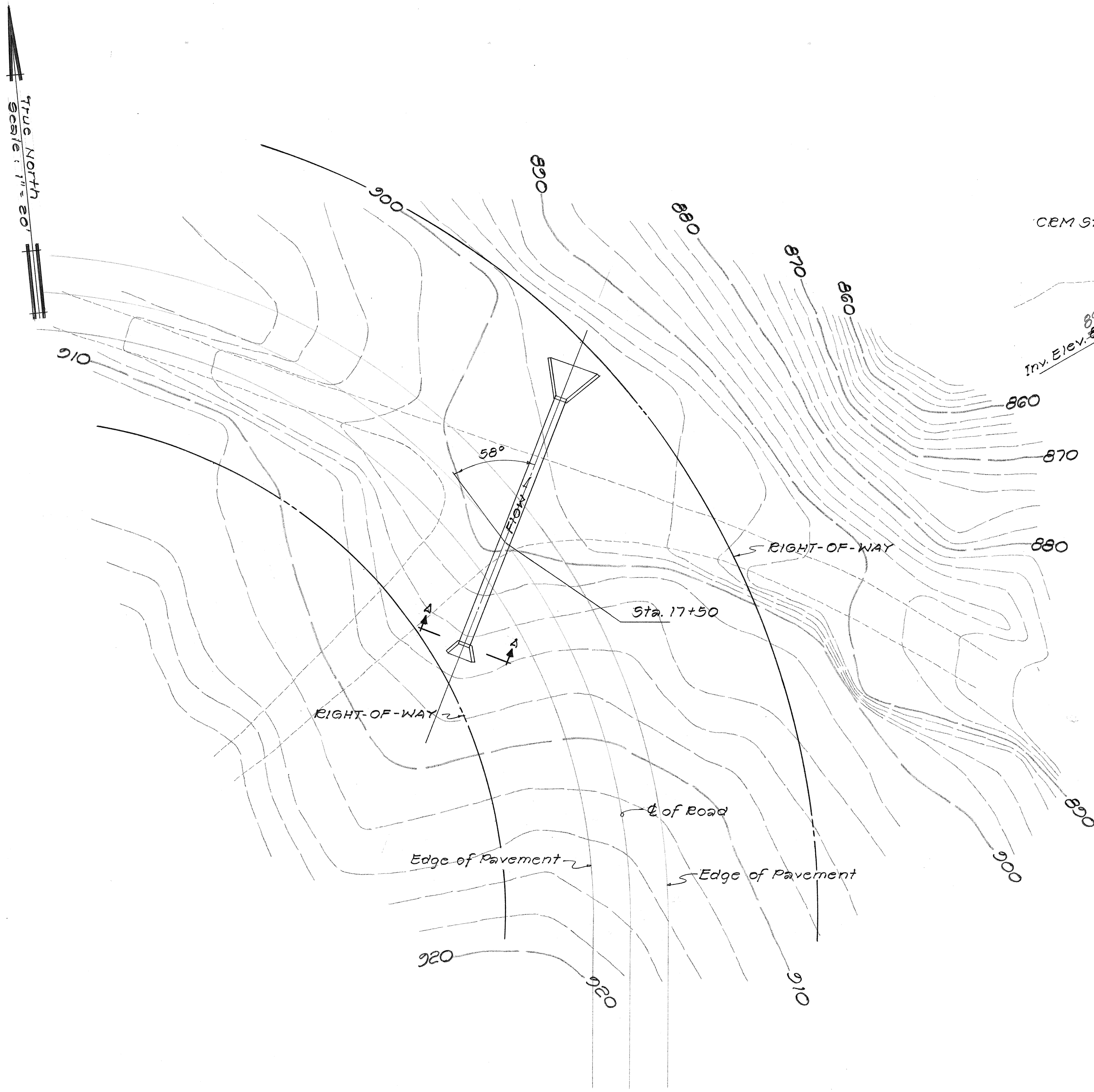
PLAN

Scale: 1" = 10'

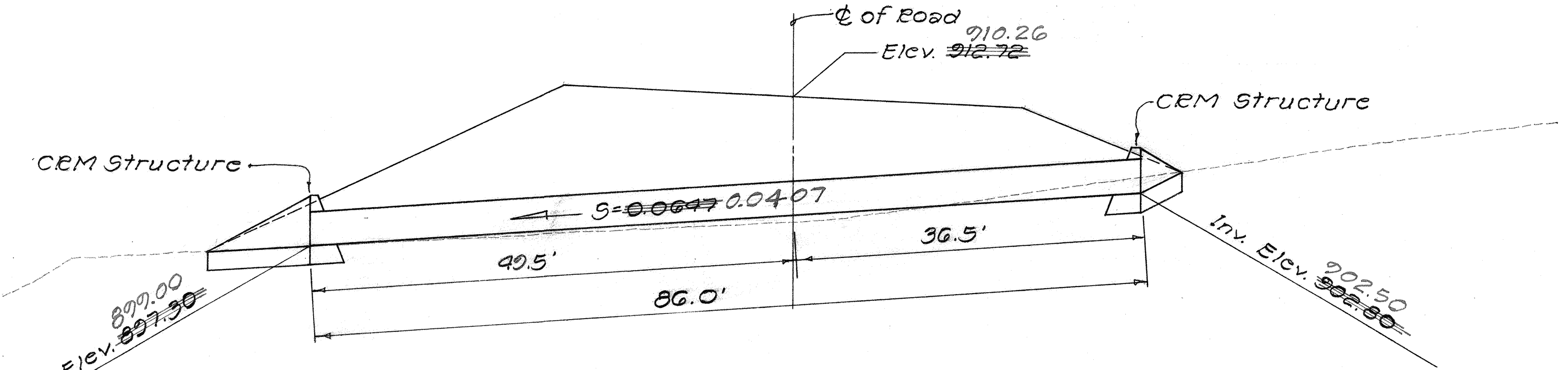
ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	" _____
	TRACED BY _____	" _____
NOTE BOOK	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
No. _____	CHECKED BY _____	" _____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	240A-01-71 UNIT 2	1978	11	63

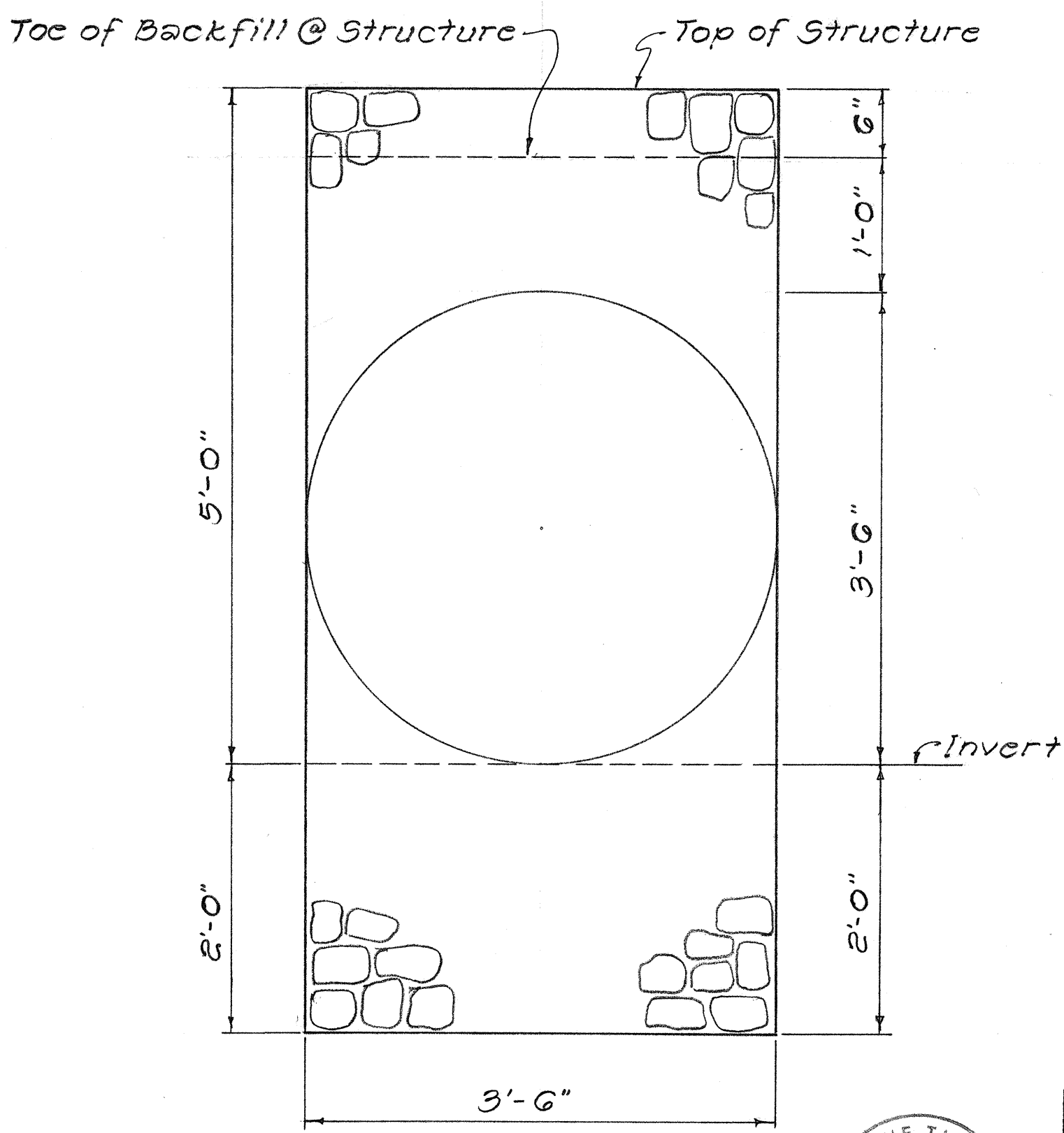
Galv. Corr. Metal Pipe
Diameter = 42"
Length = 86'
.105 in



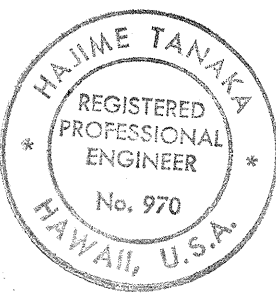
PLAN
Scale: 1"=20'



SECTION THROUGH OF CULVERT
STA. 17+50
Scale: 1"=10'



SECTION "A-A"
Scale: 1"=1'-0"



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
H. Tanaka

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

**DRAINAGE CULVERT
AT STA. 17+50**

WAIPIO LOOKOUT TURNOFF
HONOKAA WAIPIO RD. PROJ. NO. 240A-01-71
UNIT 2

SHEET No. 5 OF 5 SHEETS

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