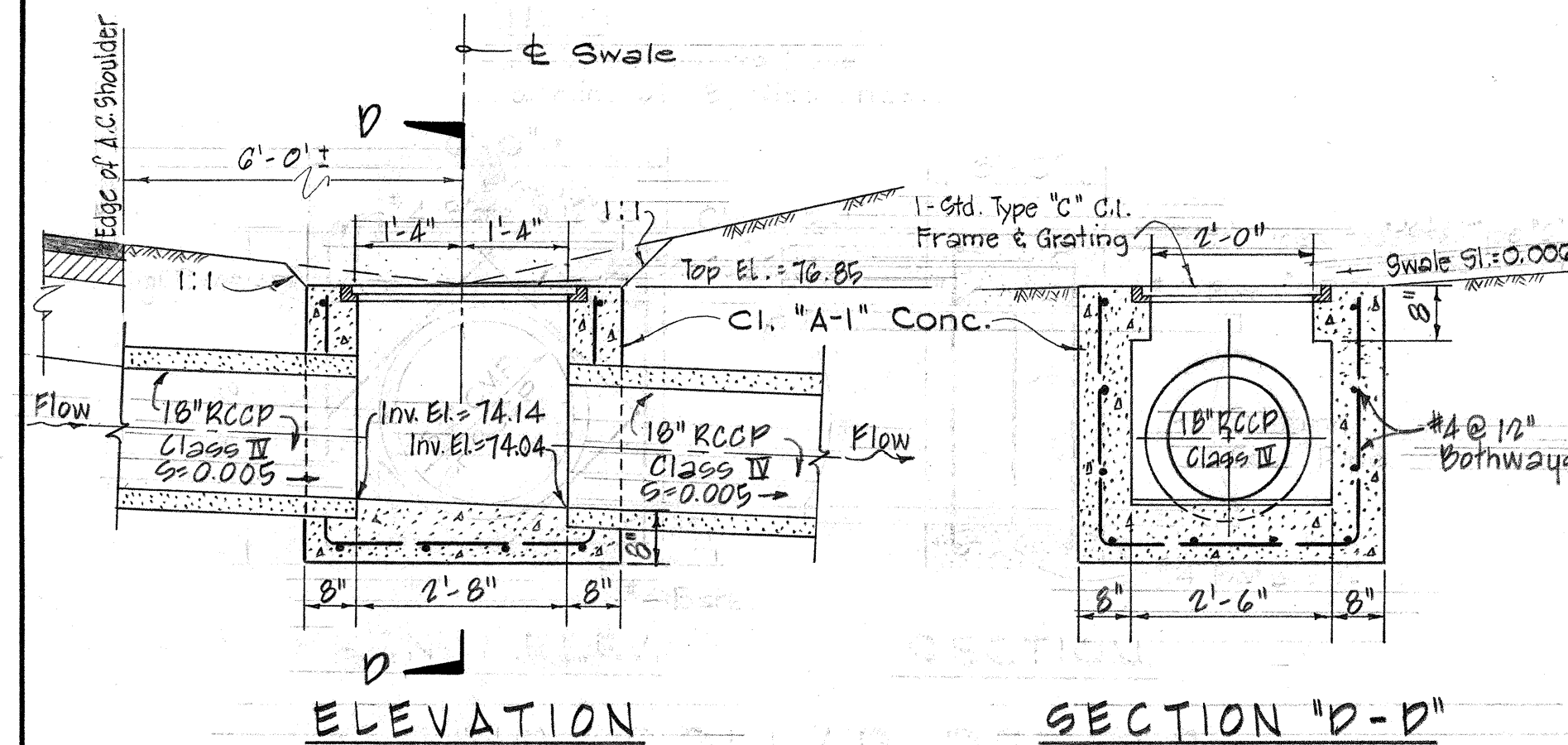
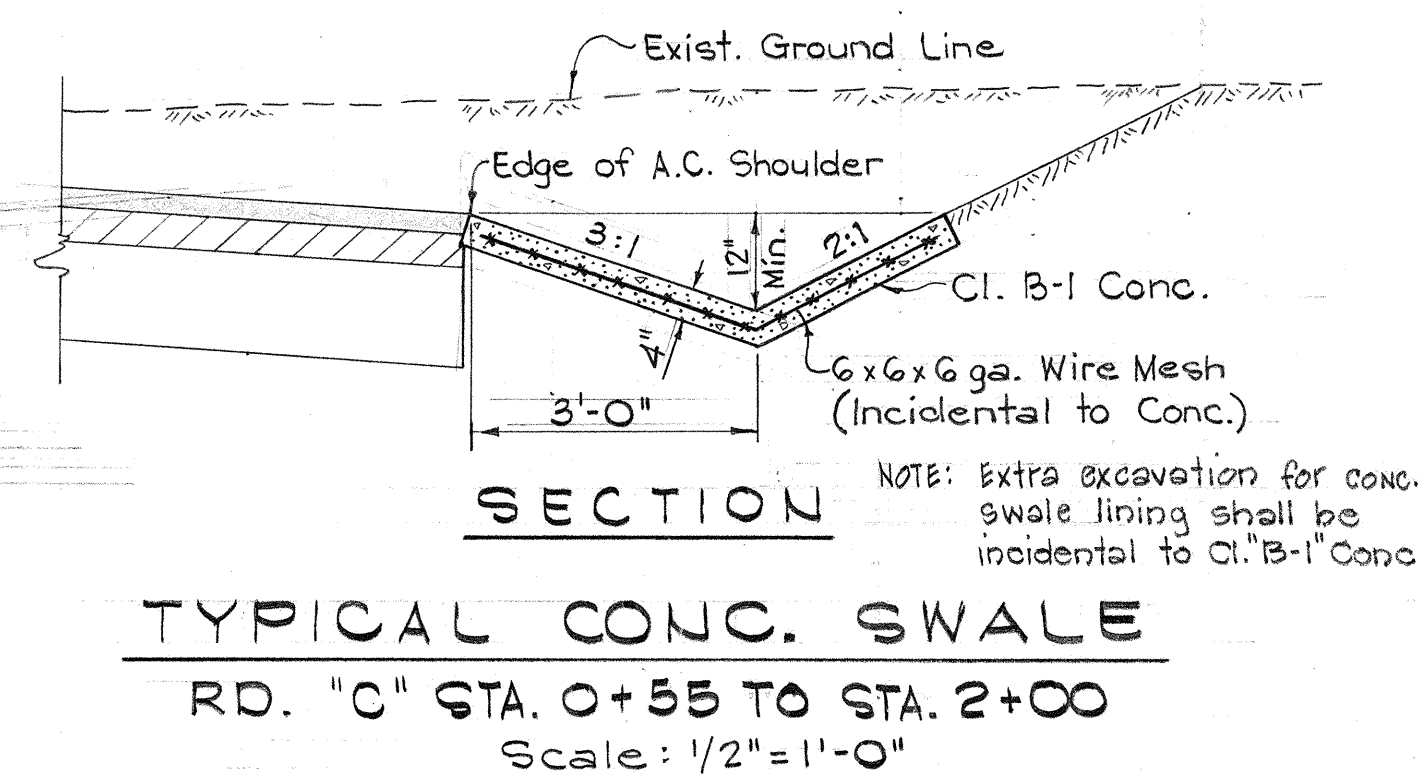


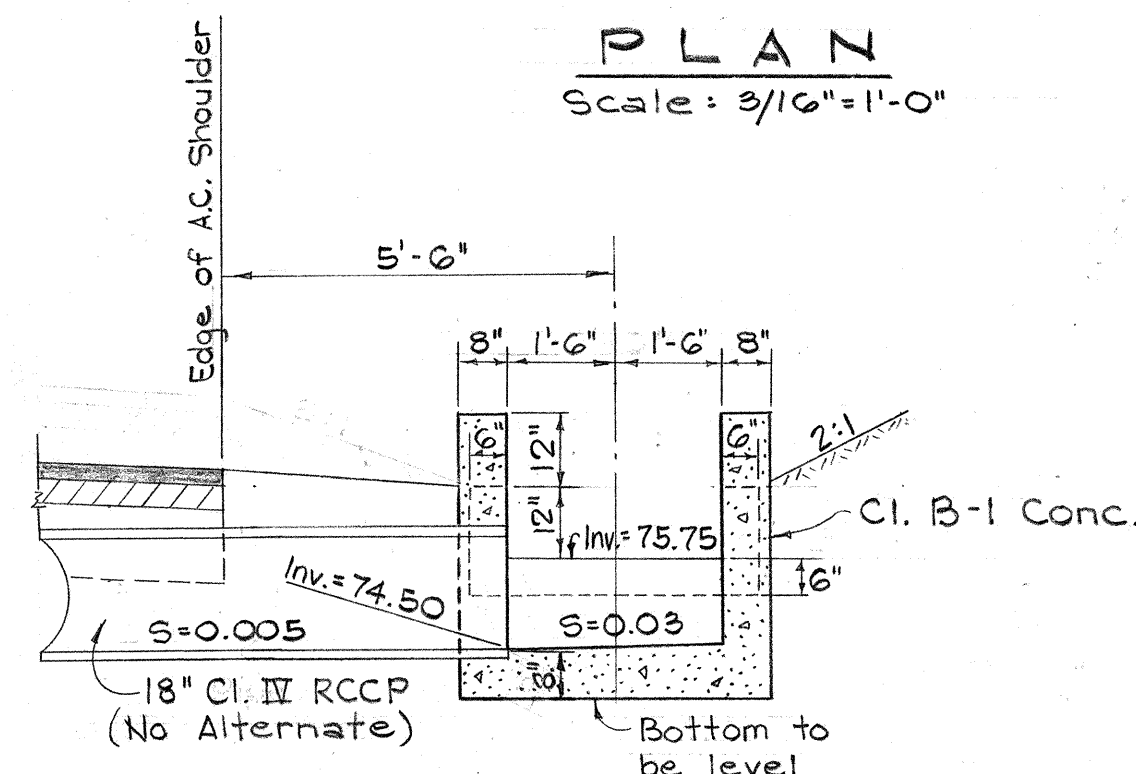
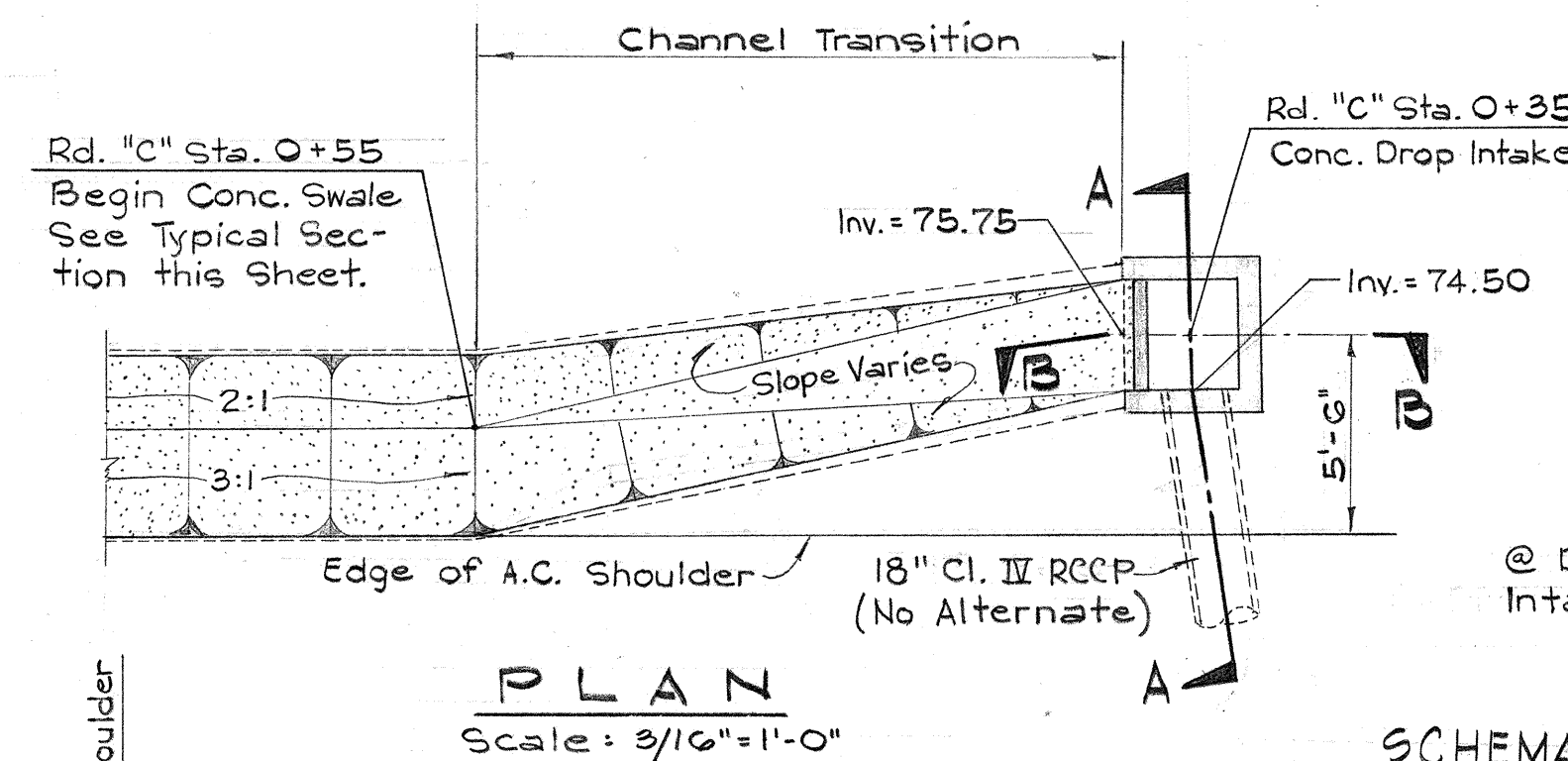
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(20)	1965	30	55



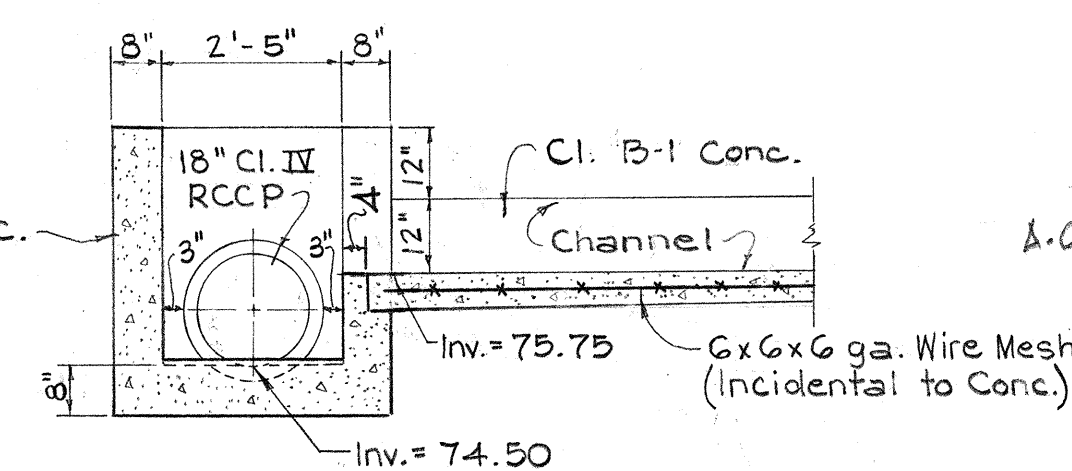
GRATED CONCRETE DROP INTAKE @ INTERSTATE ROUTE H-1 @ STA. 43+38
Scale: 1/2" = 1'-0"



TYPICAL DRAINAGE DITCH
Scale: 1" = 1'-0"

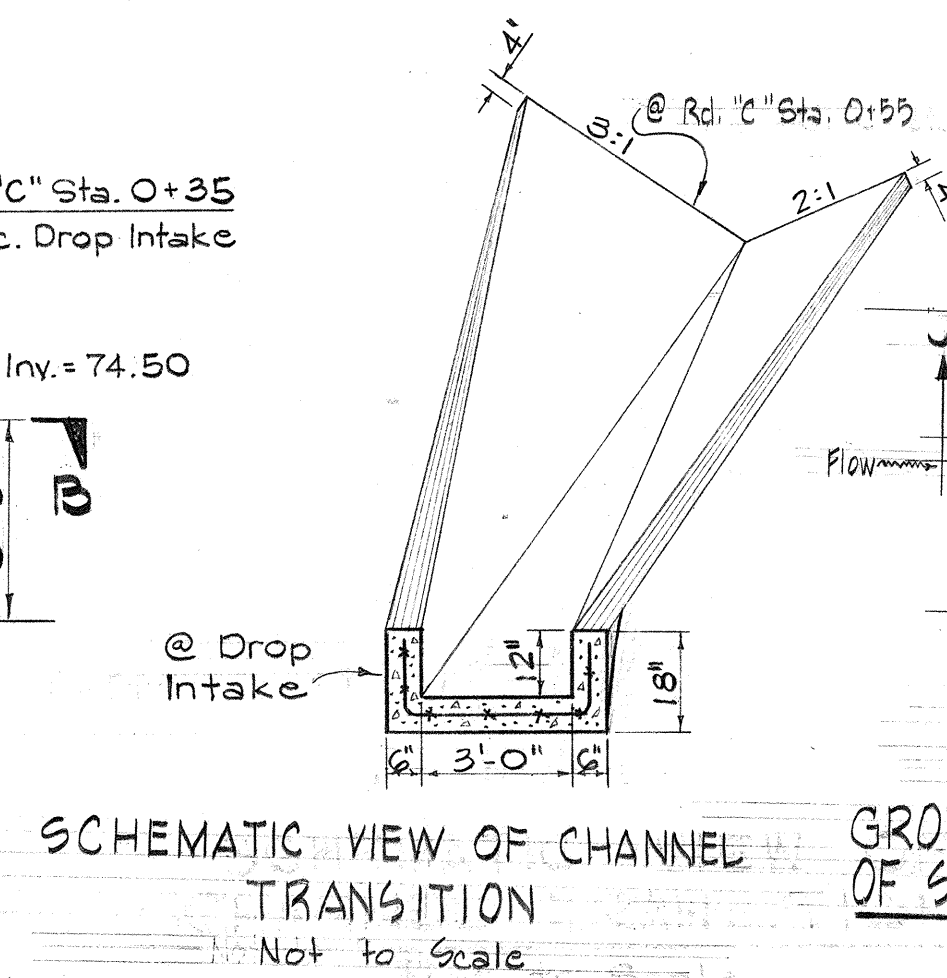


SECTION 'A-A'
Scale: 3/8" = 1'-0"

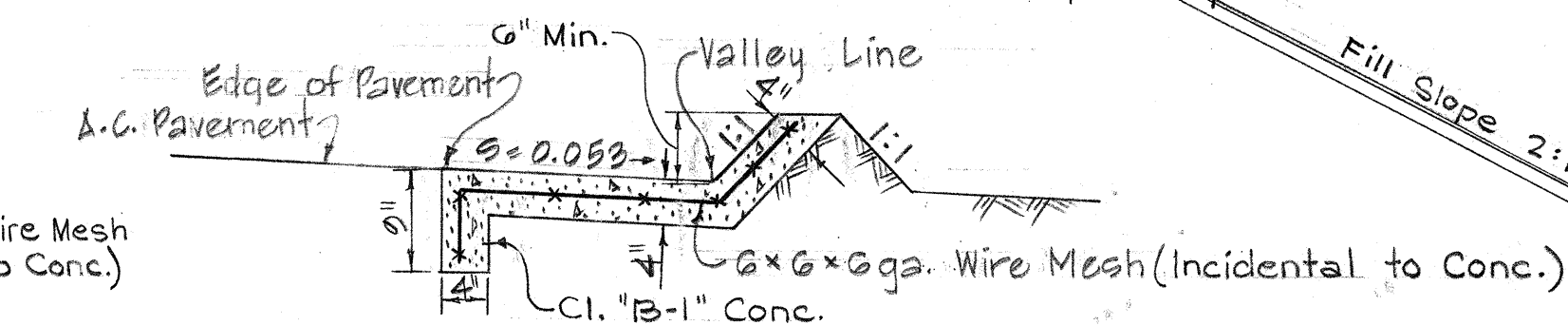


SECTION 'B-B'
Scale: 3/8" = 1'-0"

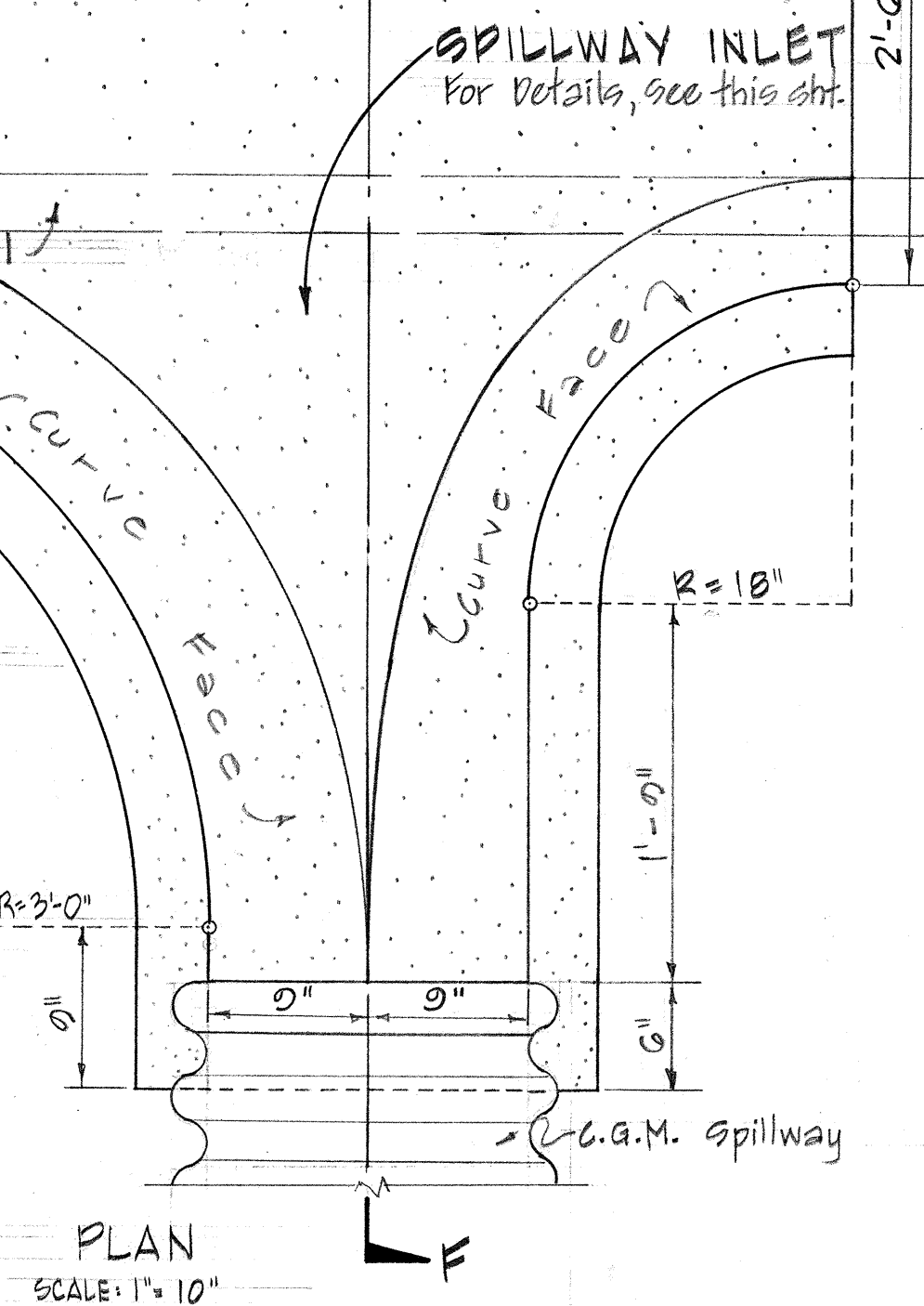
CONC. DROP INTAKE PLAN & DETAILS
ROAD "C" STA. 0+35



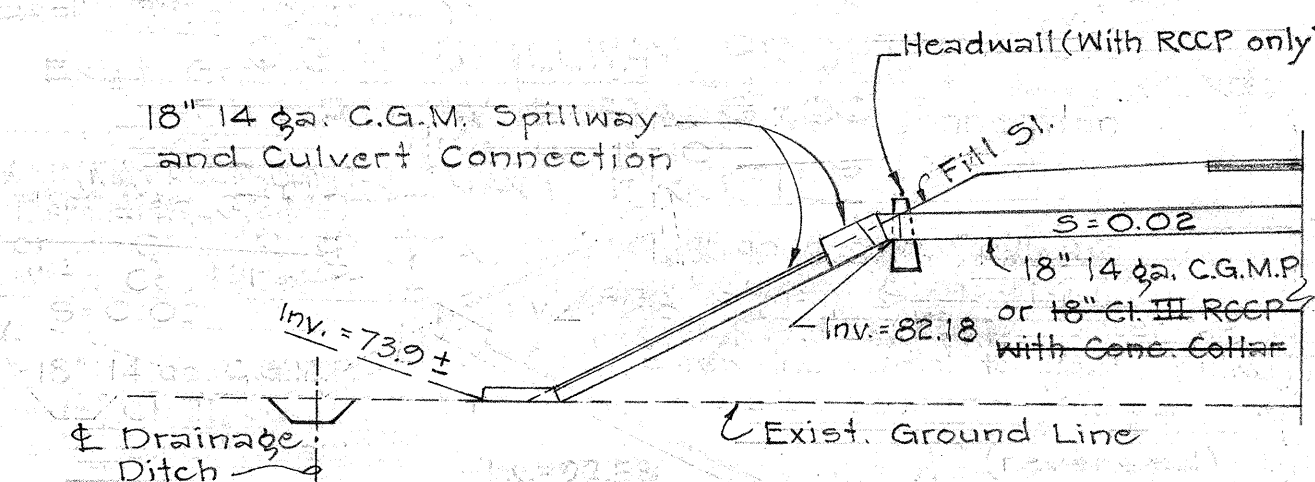
GRouted RUBBLE PAVING AT END OF SPILLWAY @ RD. "A" STA. 8+36.5 LT.
Not to Scale



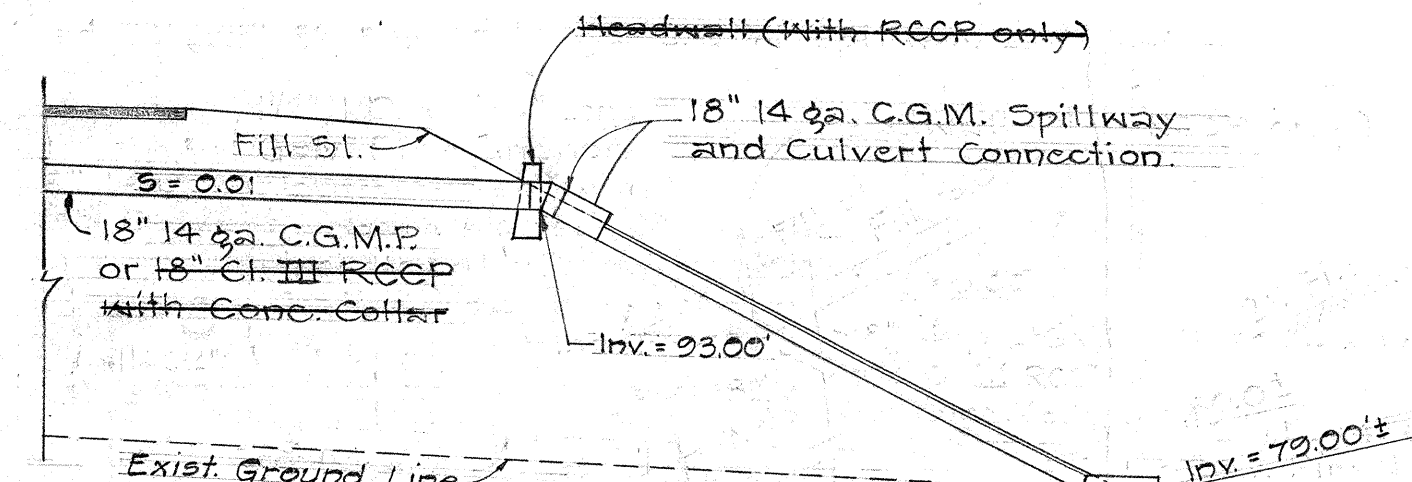
SECTION 'E-E'
Scale: 3/4" = 1'-0"



PROFILE OF SPILLWAY @ RD. "A" STA. 8+36.5 LT.
Not to Scale



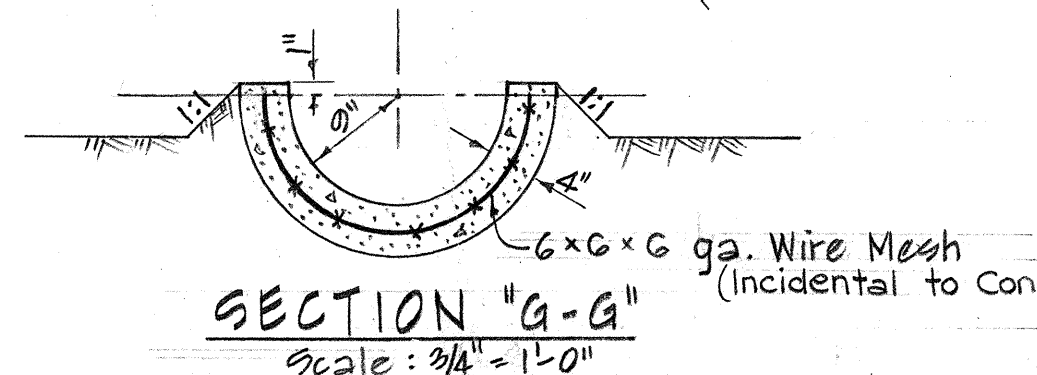
C.G.M. SPILLWAY PROFILE
RD. "A" @ STA. 6+00



C.G.M. SPILLWAY PROFILE
RD. "A" @ STA. 13+65

Note: For Spillway Details, See Sht. No. 122

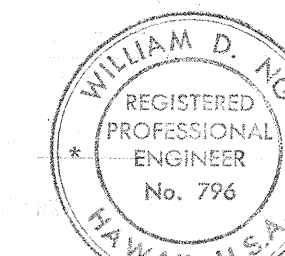
CORRUGATED GALV. METAL SPILLWAY PROFILE
ROAD "A" @ STA. 6+00 & 13+65
SCALE: 1" = 10'



SECTION 'G-G'
Scale: 3/4" = 1'-0"

SECTION 'F-F'
Scale: 3/4" = 1'-0"

SPILLWAY INLET PLAN & DETAILS
@ RD. "A" @ STA. 8+36.5 LT.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

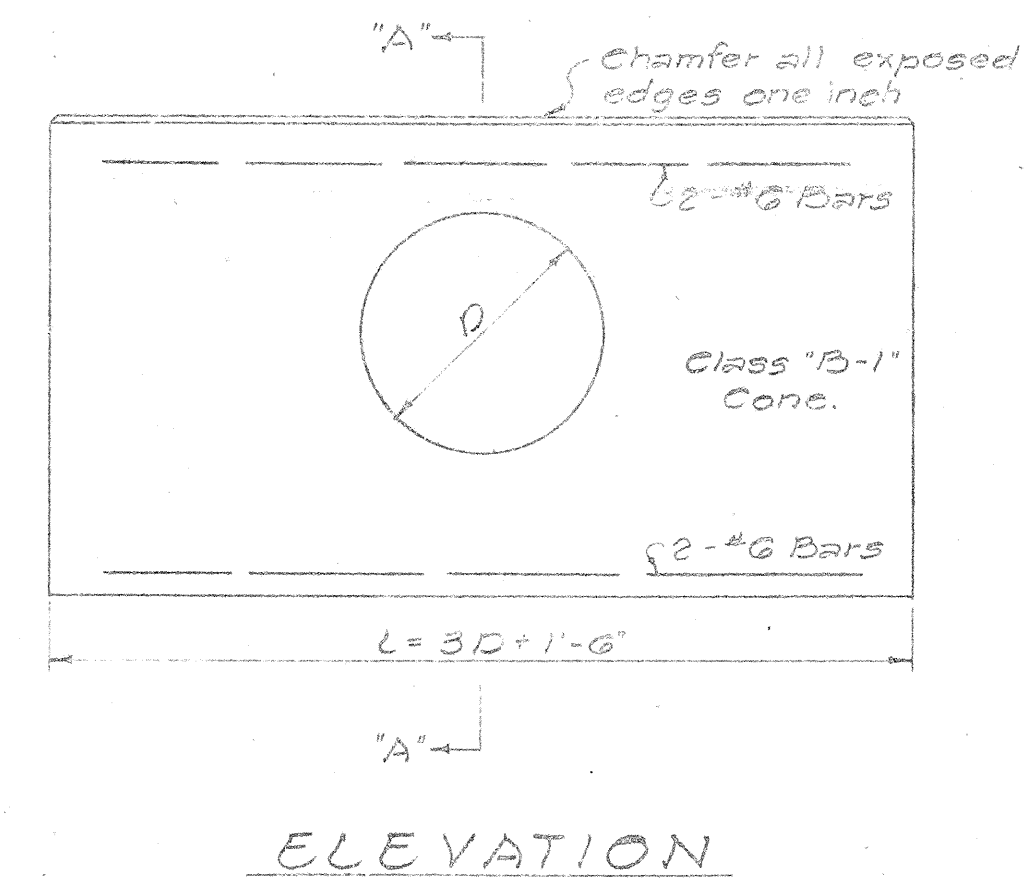
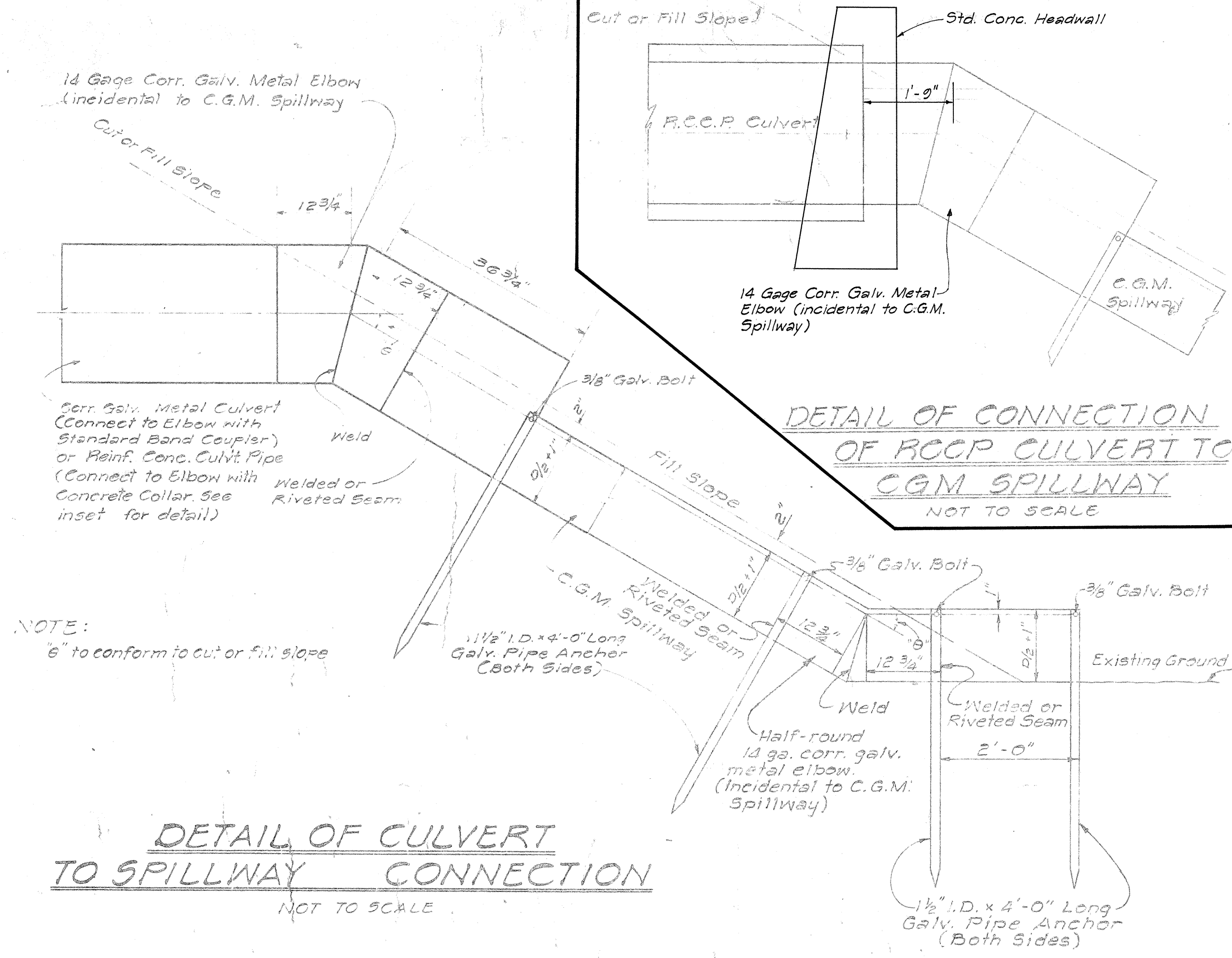
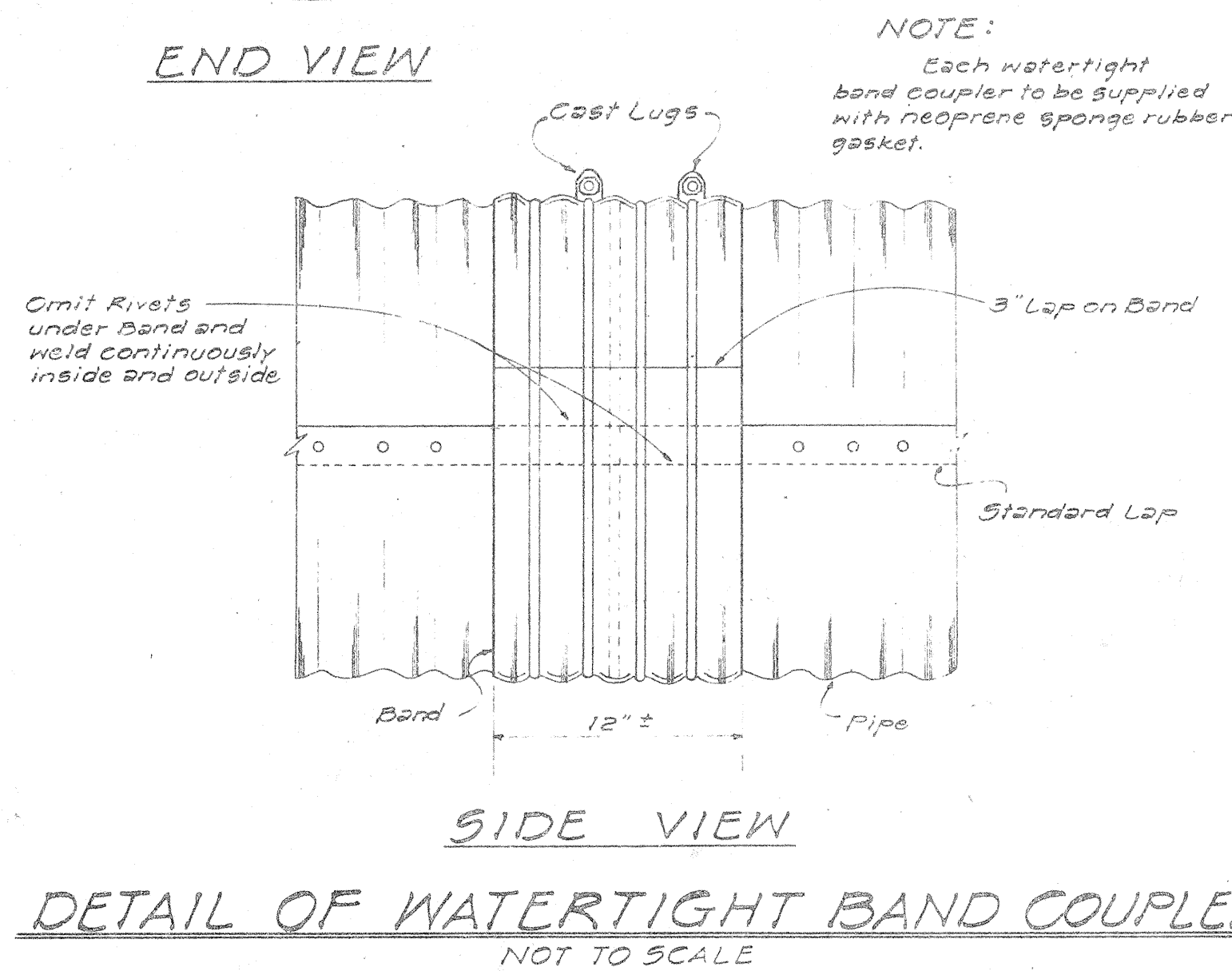
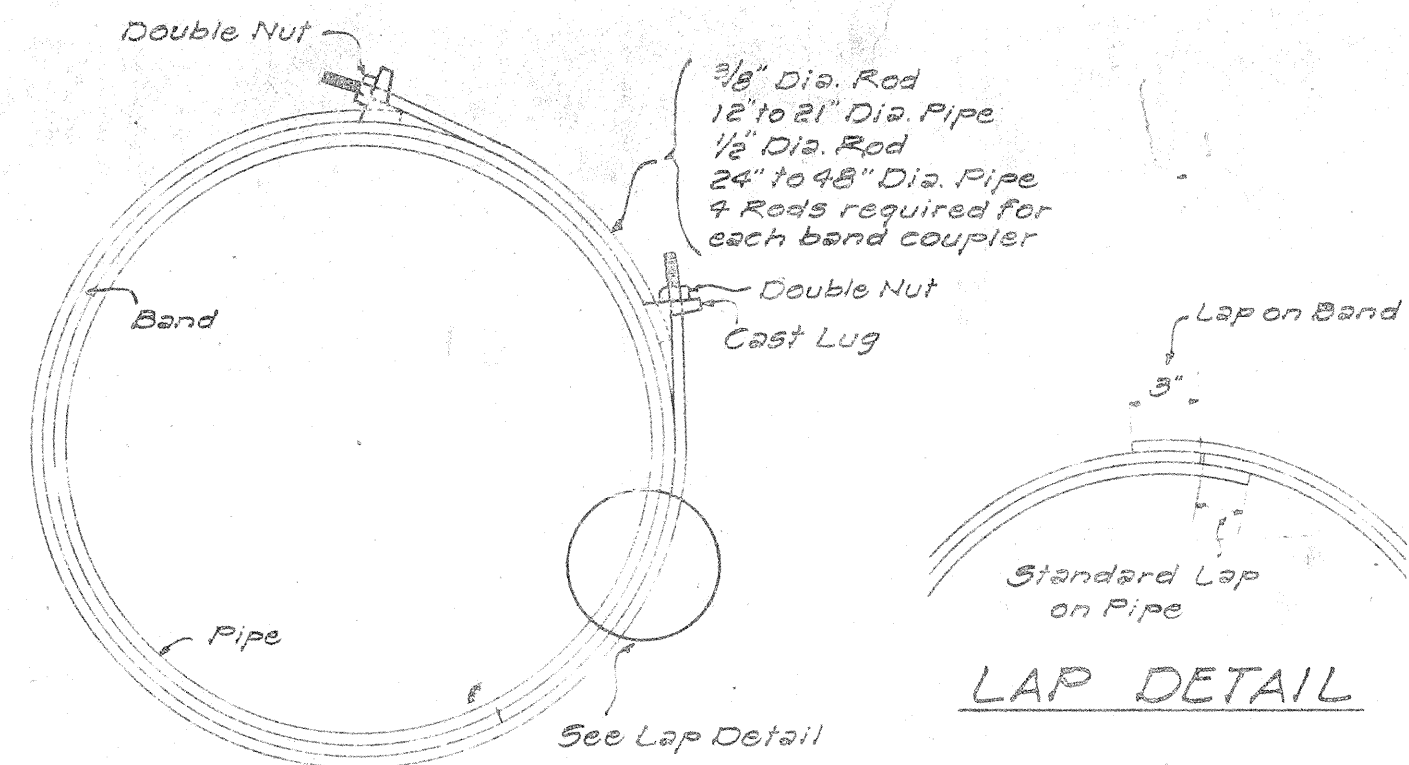
DRAINAGE DETAILS

INTERSTATE ROUTE H-1
FAI Proj. NO. I-H-1(20)

Scale: As Noted Date: July, 1964

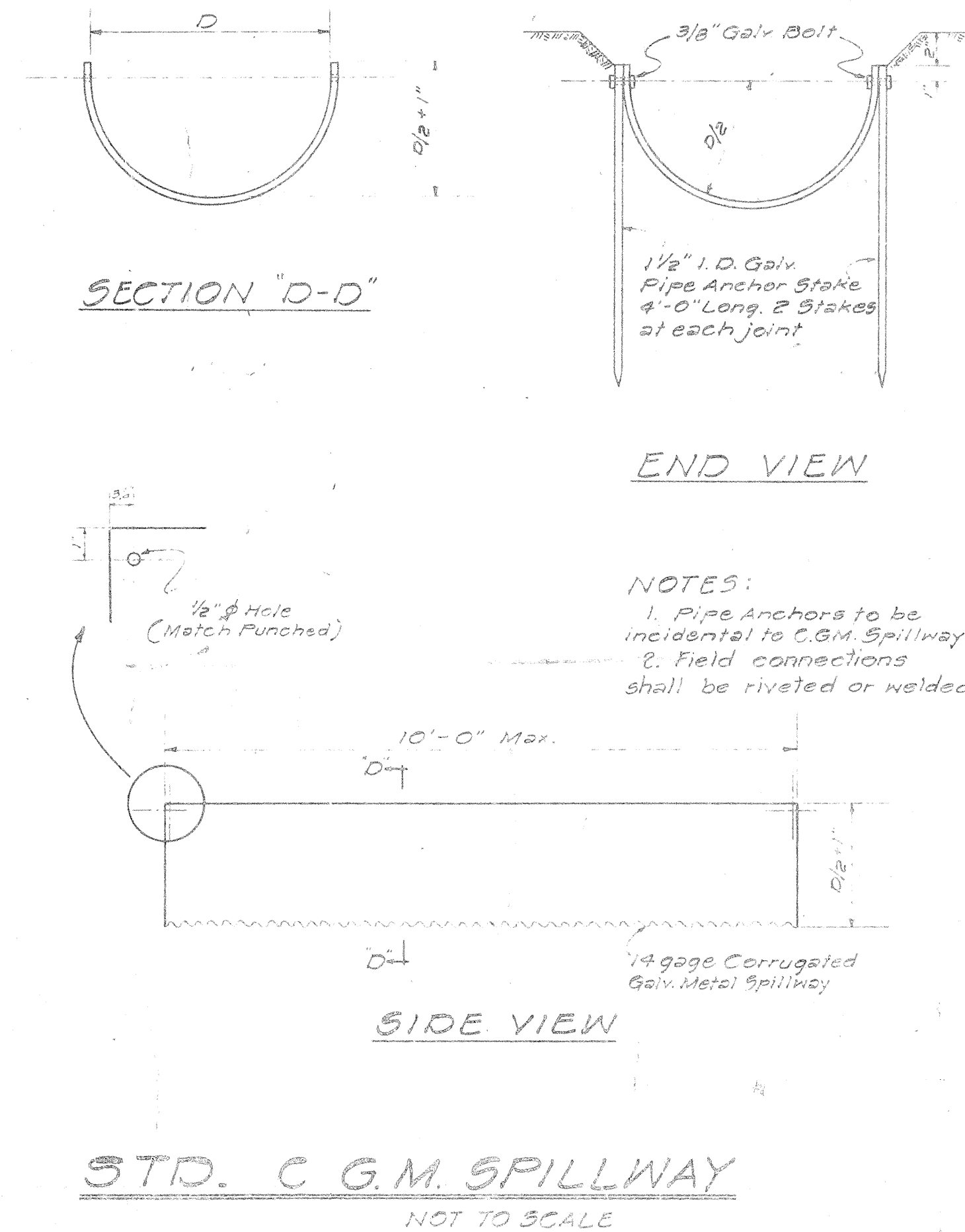
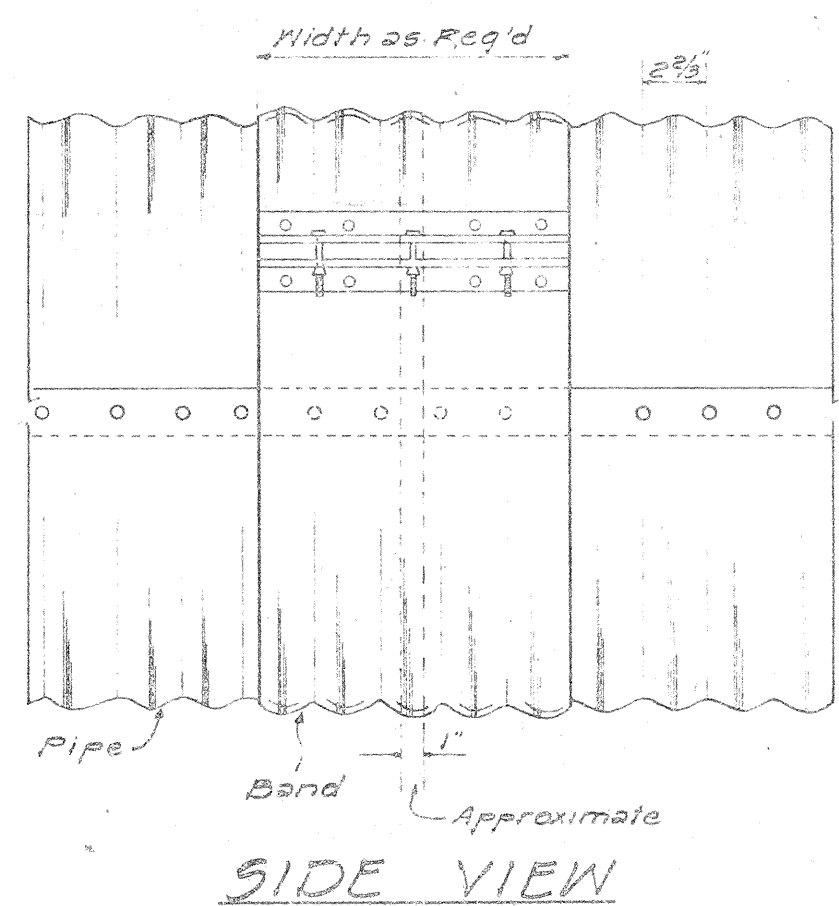
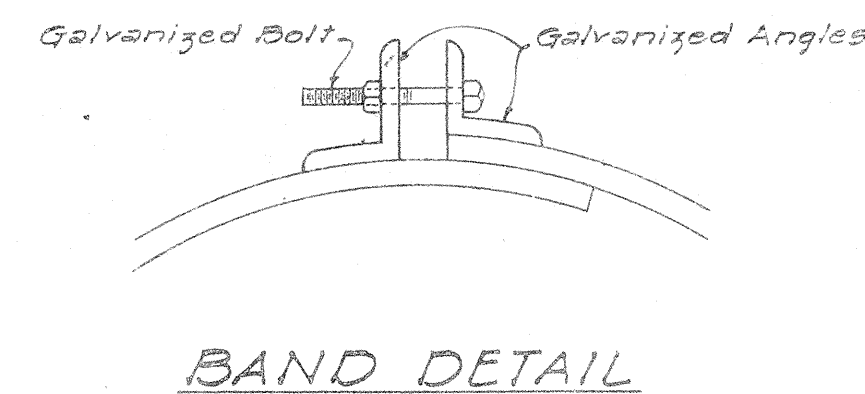
SHEET No. 1 OF 3 SHEETS

DATE	*****
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

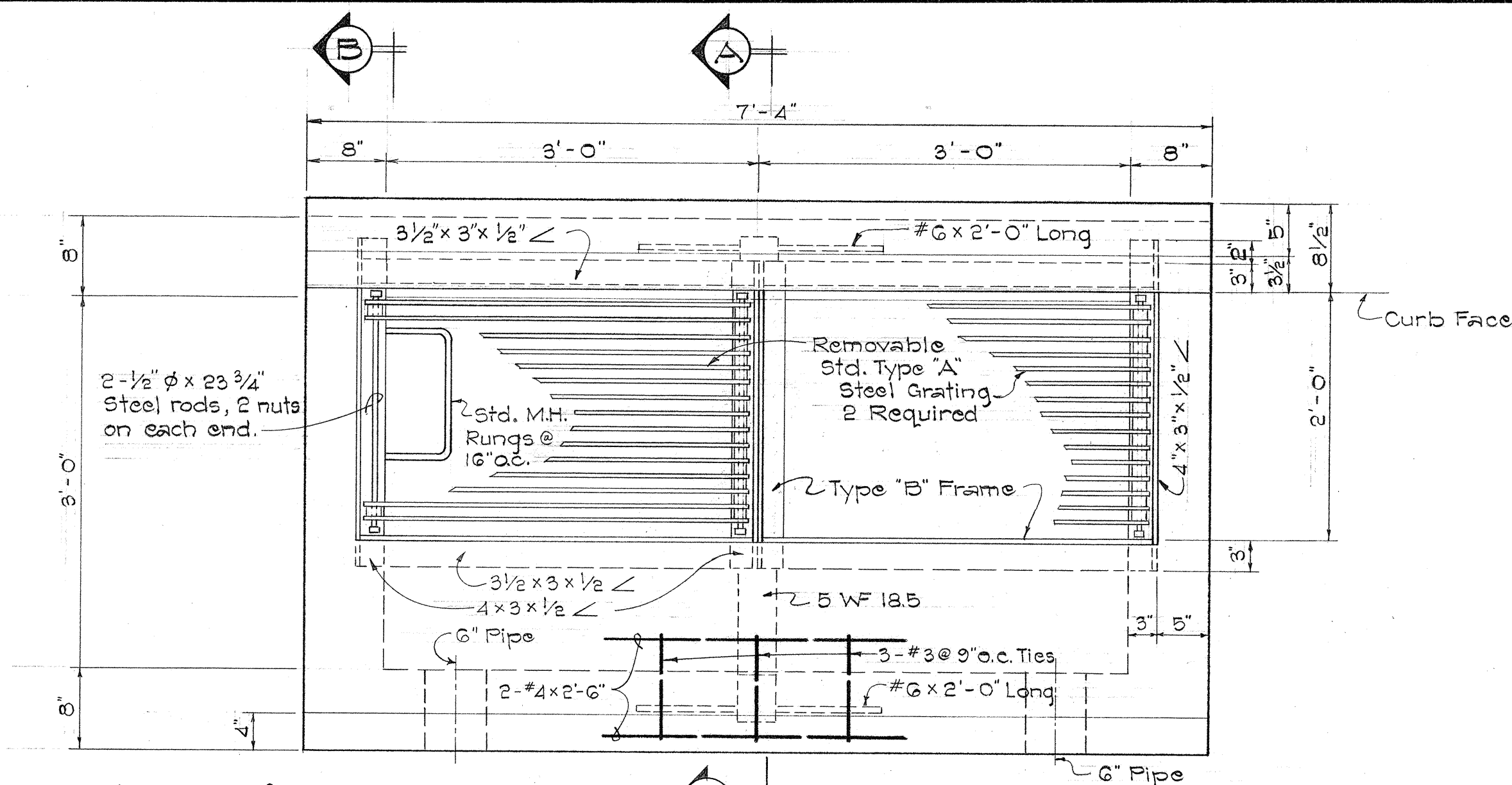


DATA FOR CONC. HEADWALL				Class "B-1" Concrete		Steel For One Headwall	
D	B	L	H	Cu. Yd.	No. of Bars	Size	Length Lbs.
18"	1'-6"	6'-0"	4'-0"	1.00	4	#6	5'-0"
24"	1'-6"	7'-6"	4'-0"	1.38	4	#6	7'-0"
30"	2'-0"	9'-0"	5'-0"	2.17	4	#6	8'-0"
36"	2'-0"	10'-6"	5'-0"	2.74	4	#6	10'-0"
42"	2'-6"	12'-0"	6'-0"	3.87	4	#6	11'-6"
48"	2'-6"	13'-6"	6'-0"	4.66	4	#6	13'-0"

DETAIL OF STD. CONC. HEADWALL
Scale: 1/2" = 1'-0"



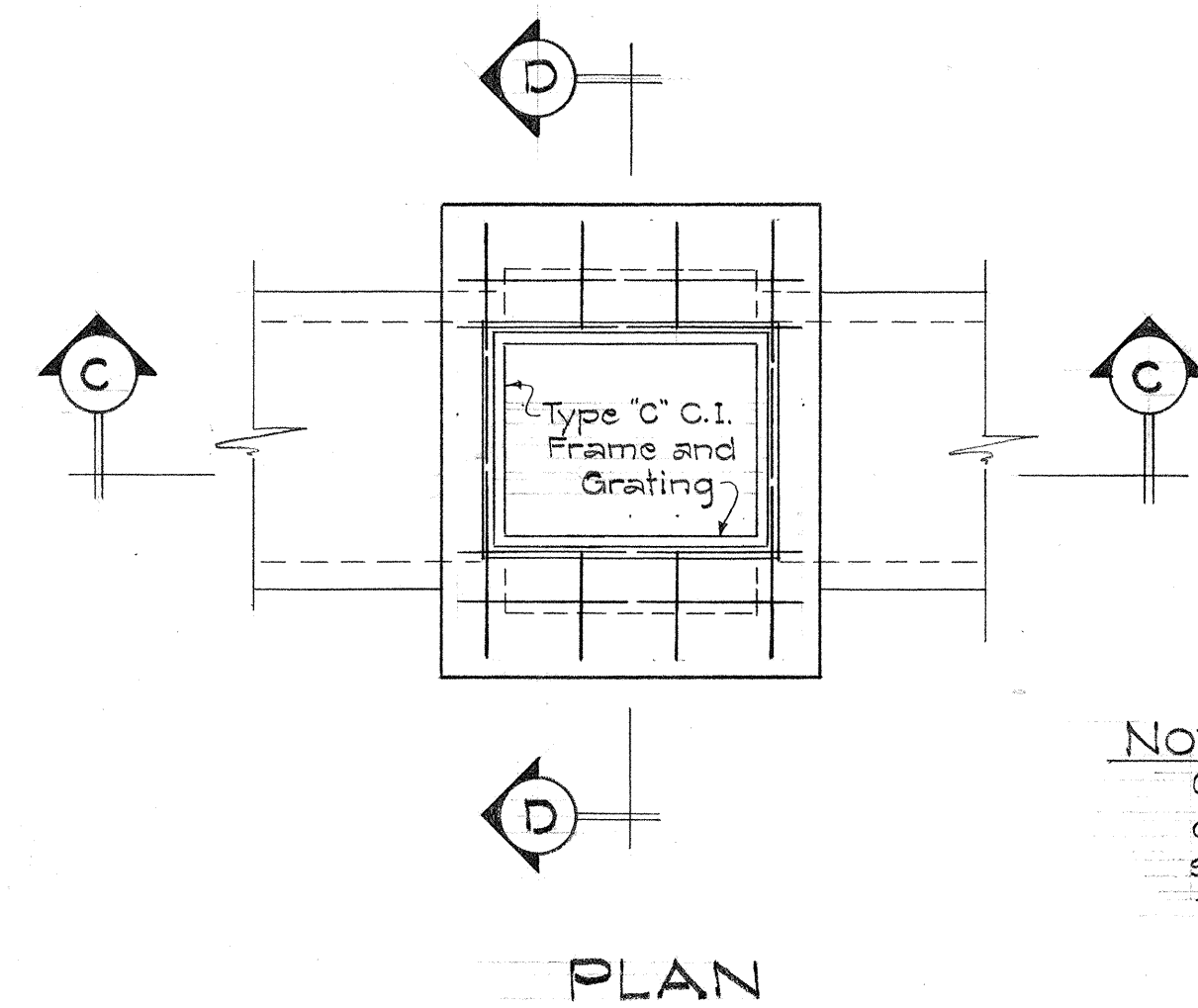
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(20)	1965	32	55



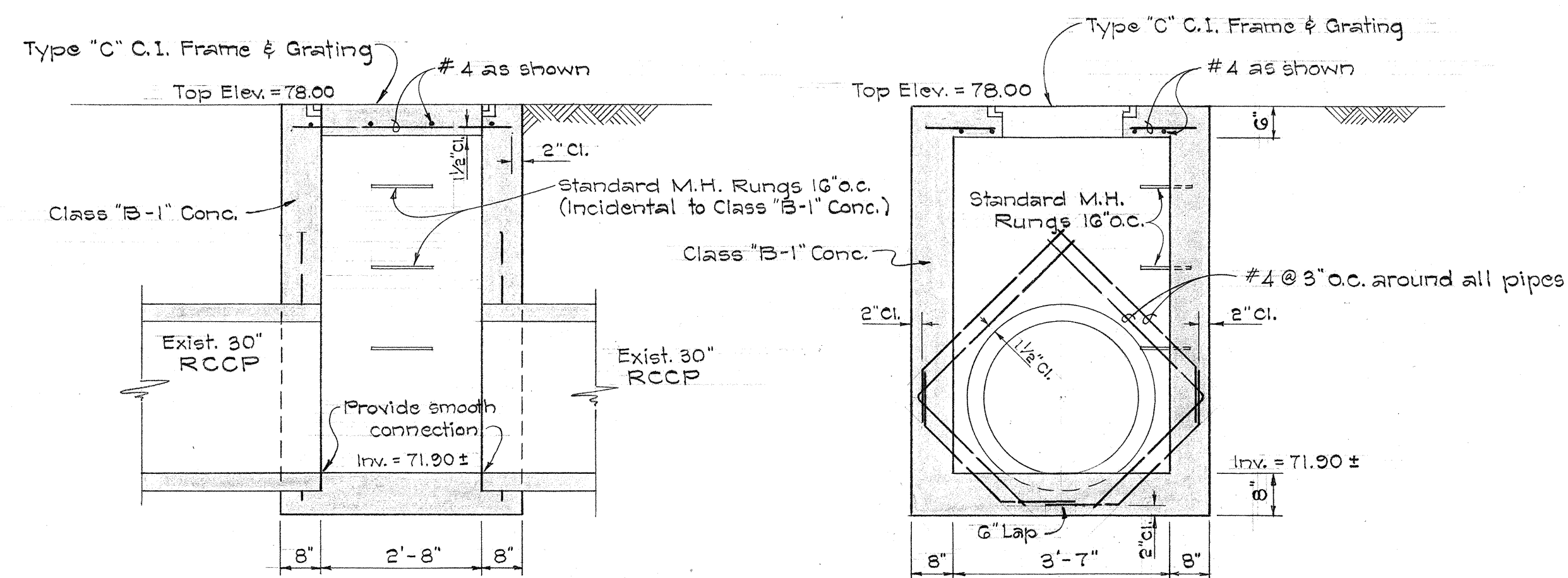
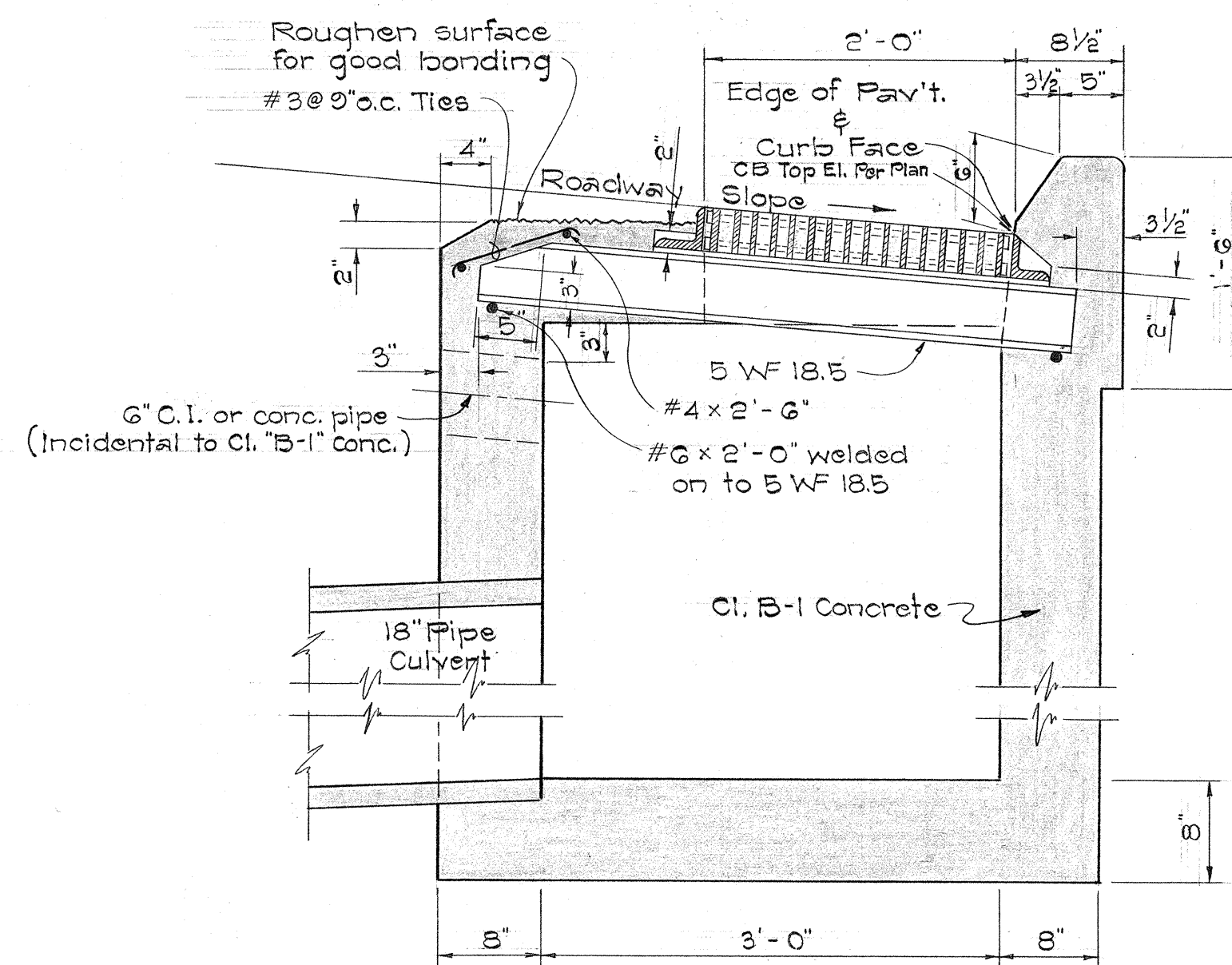
Location of manhole rungs to be determined by the Engineer.

Type "B" Frame similar to Std. Type "A" Frame except for modifications as shown.

Standard M.H. Rungs incidental to Class "B-1" Conc.



NOTE:
Cutting the existing 30" RCCP and connecting the pipe to the CDI shall be considered incidental to Structure Excavation.

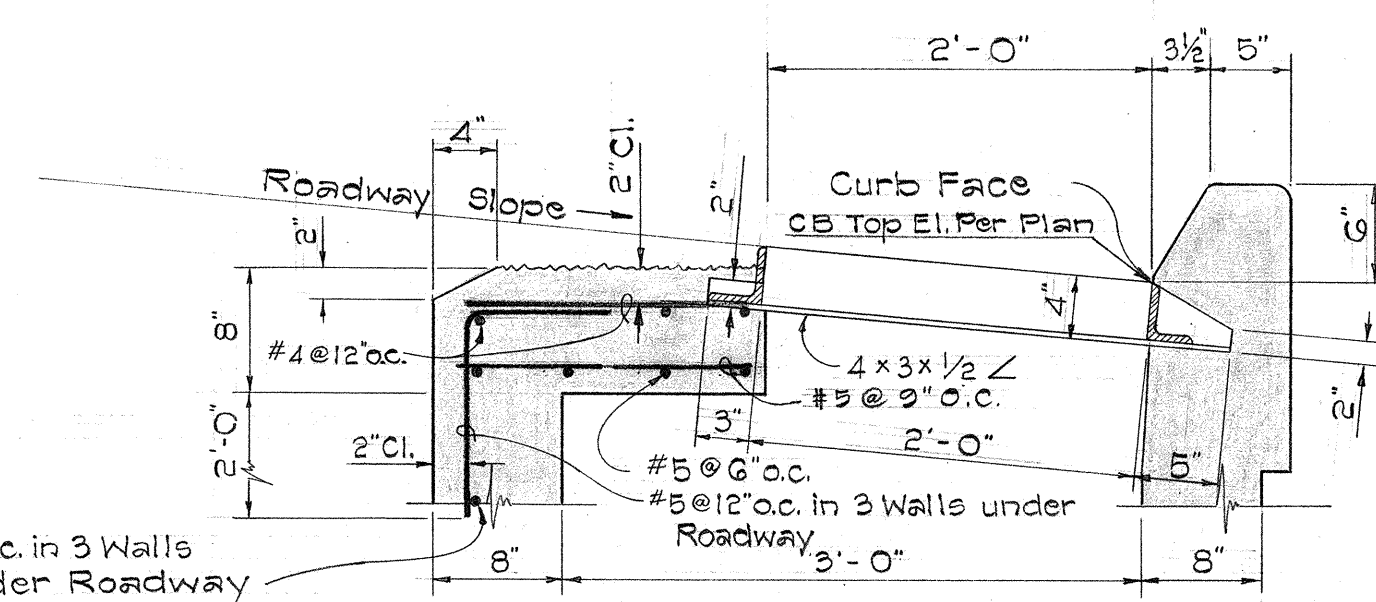


SECTION "C-C"

SECTION "D-D"

TYPE "C" CONC. DROP INTAKE

Scale: $1/2" = 1'-0"$



SECTION "B-B"

DETAIL OF TYPE "G-1" CATCH BASIN

AT ROAD "A" STA. 6+00 & 13+65

Scale: 1" = 1'-0"

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

INTERSTATE ROUTE H-1
F.A.I. Proj. No. I-HI-1 (20)

Scale : As Shown

Date: Oct. 1965

SHEET No. 3 OF 3 SHEETS