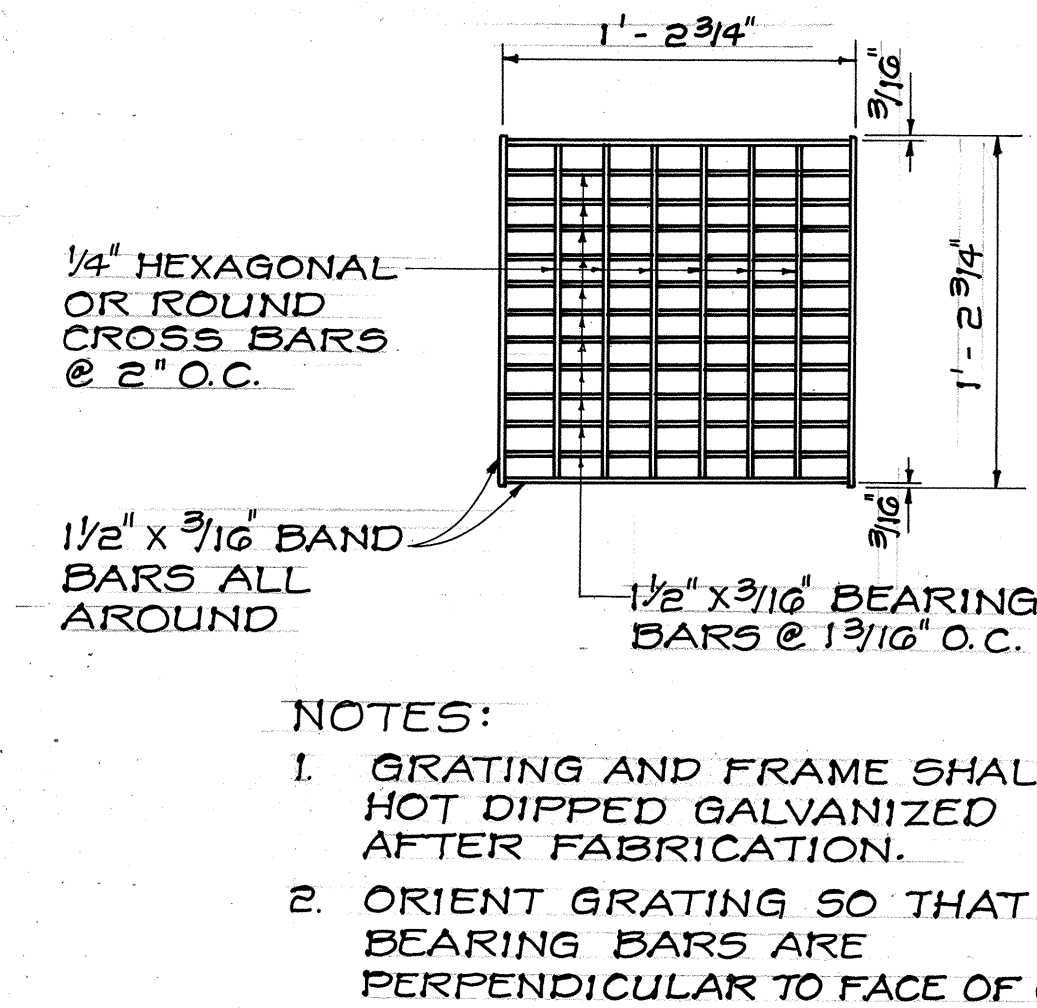
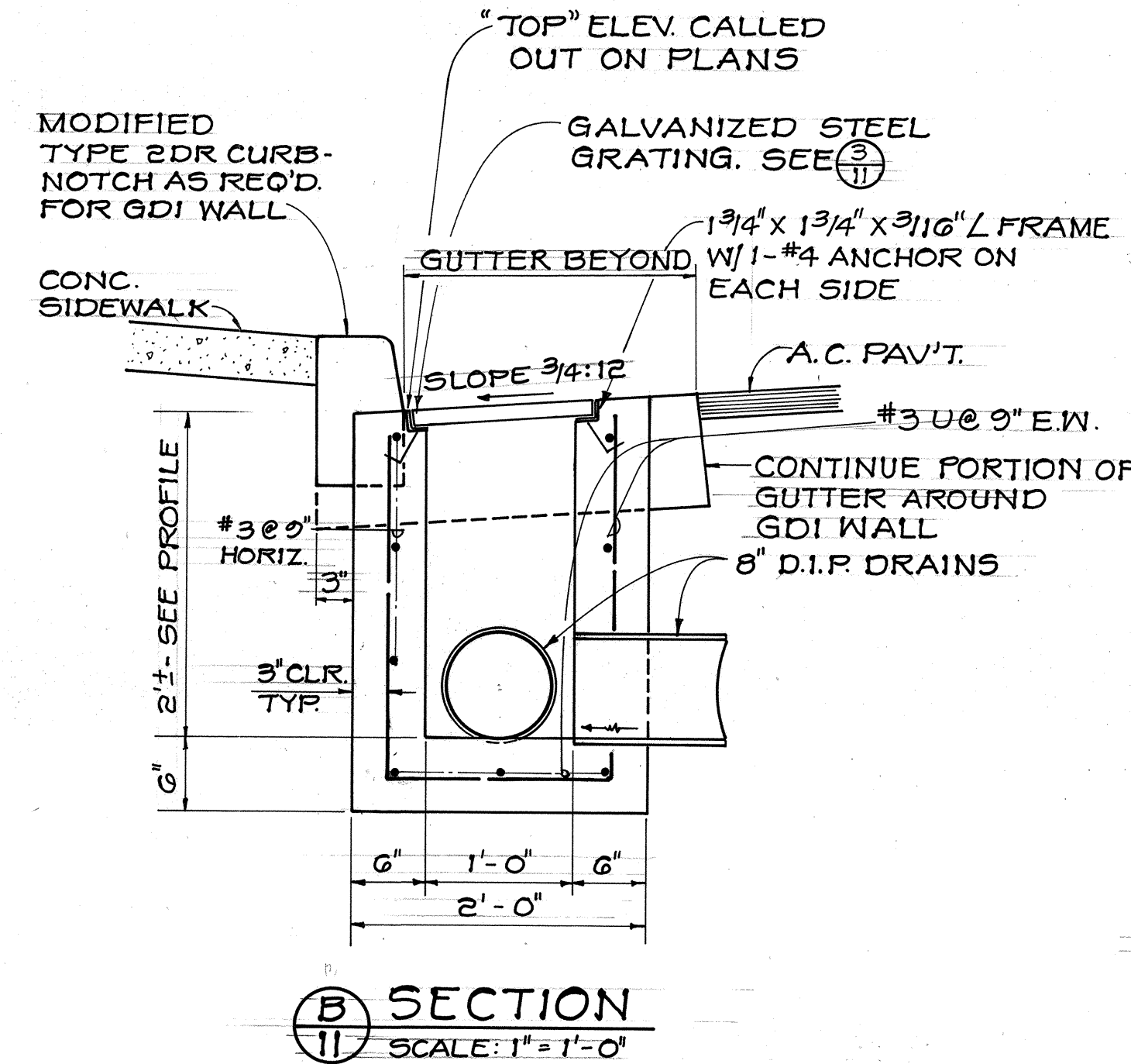
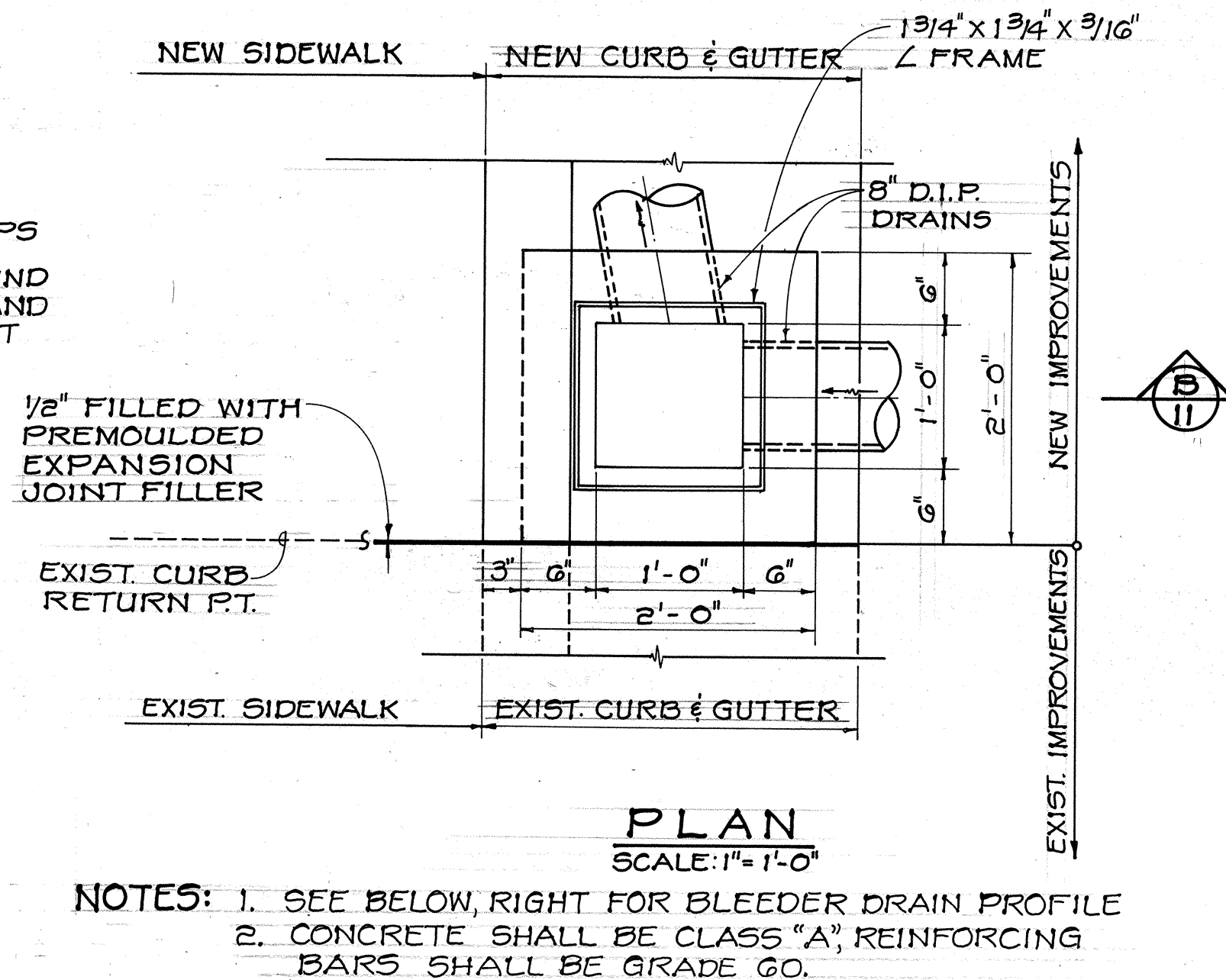
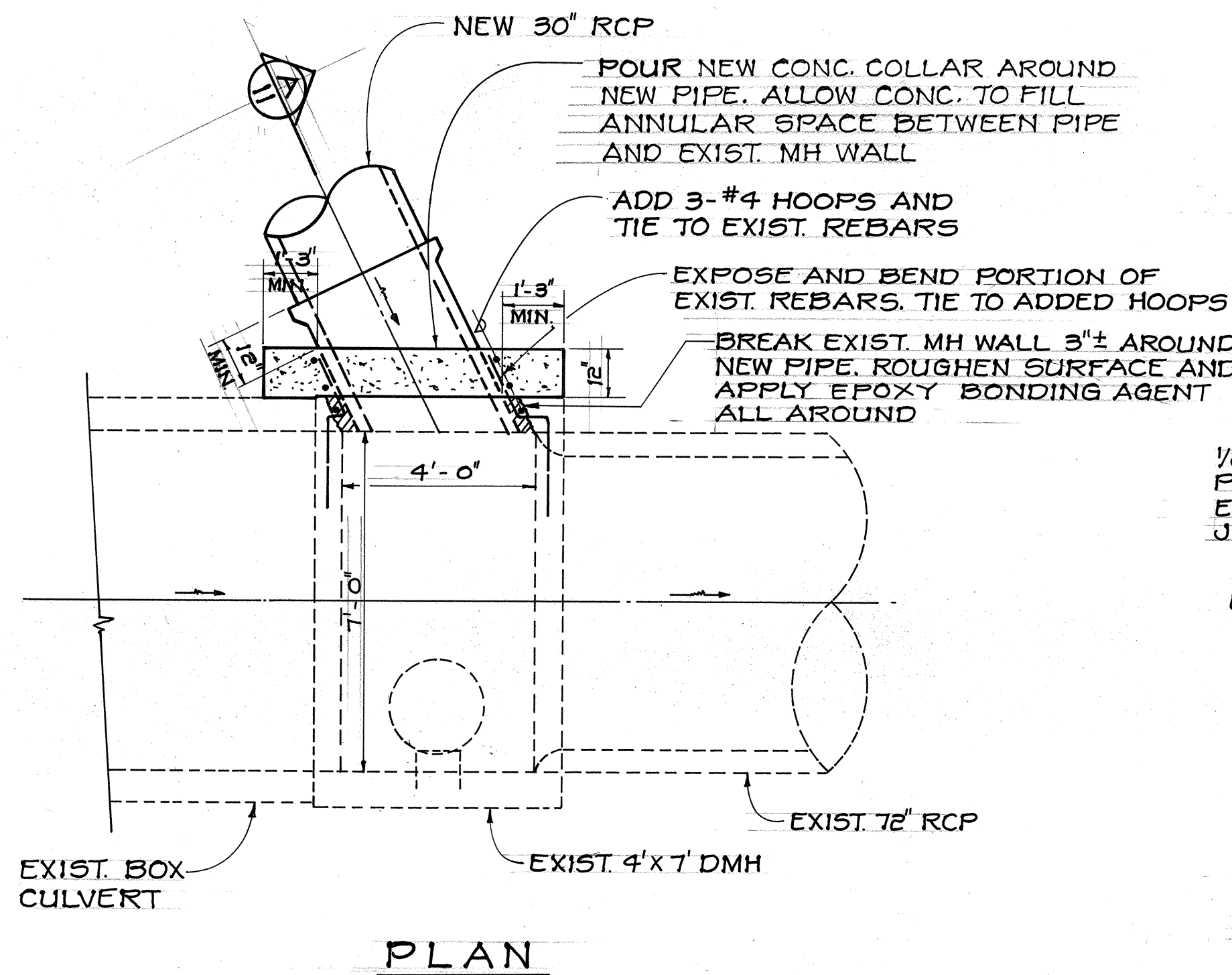


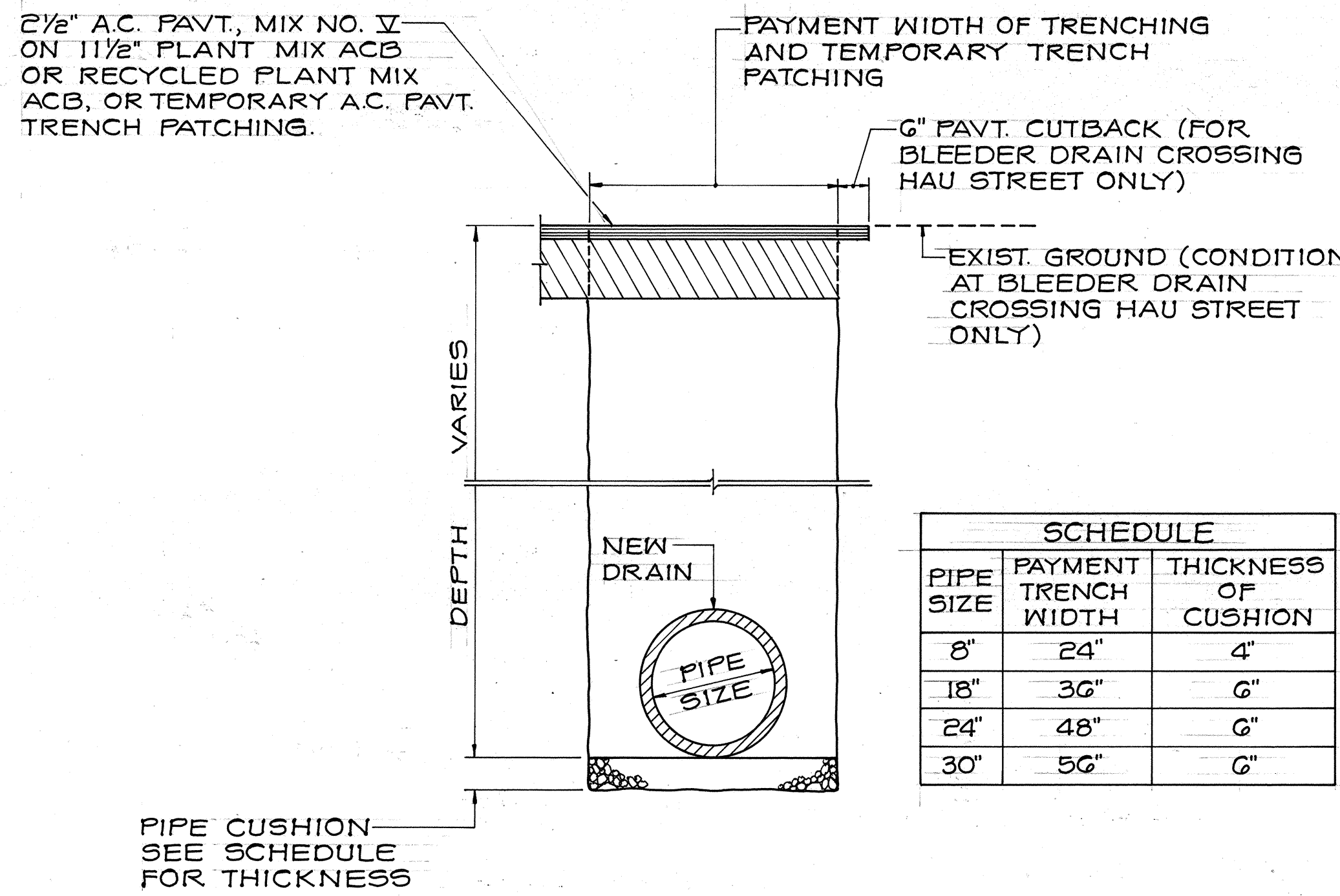
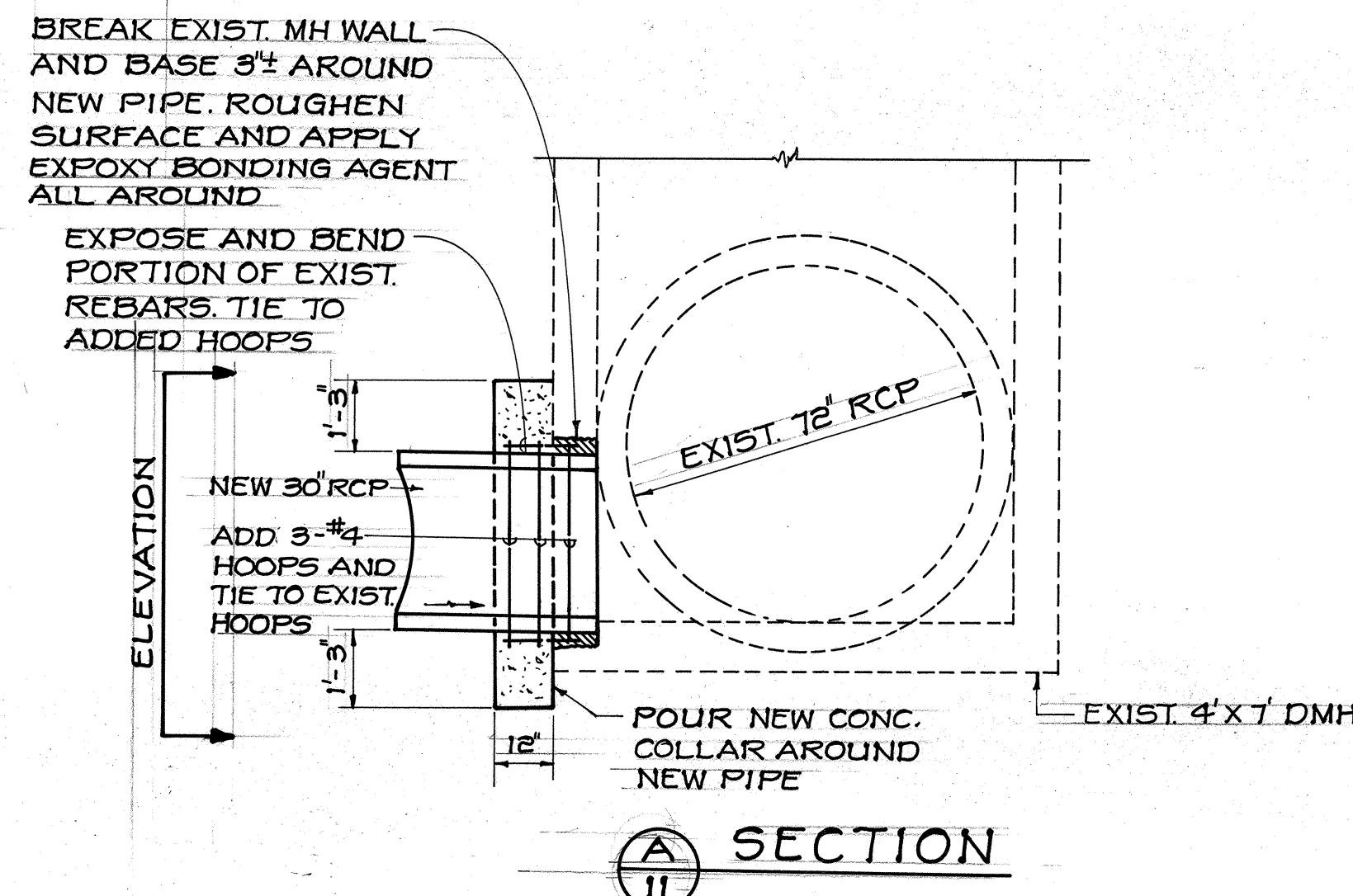
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-02-89	1991	11	23



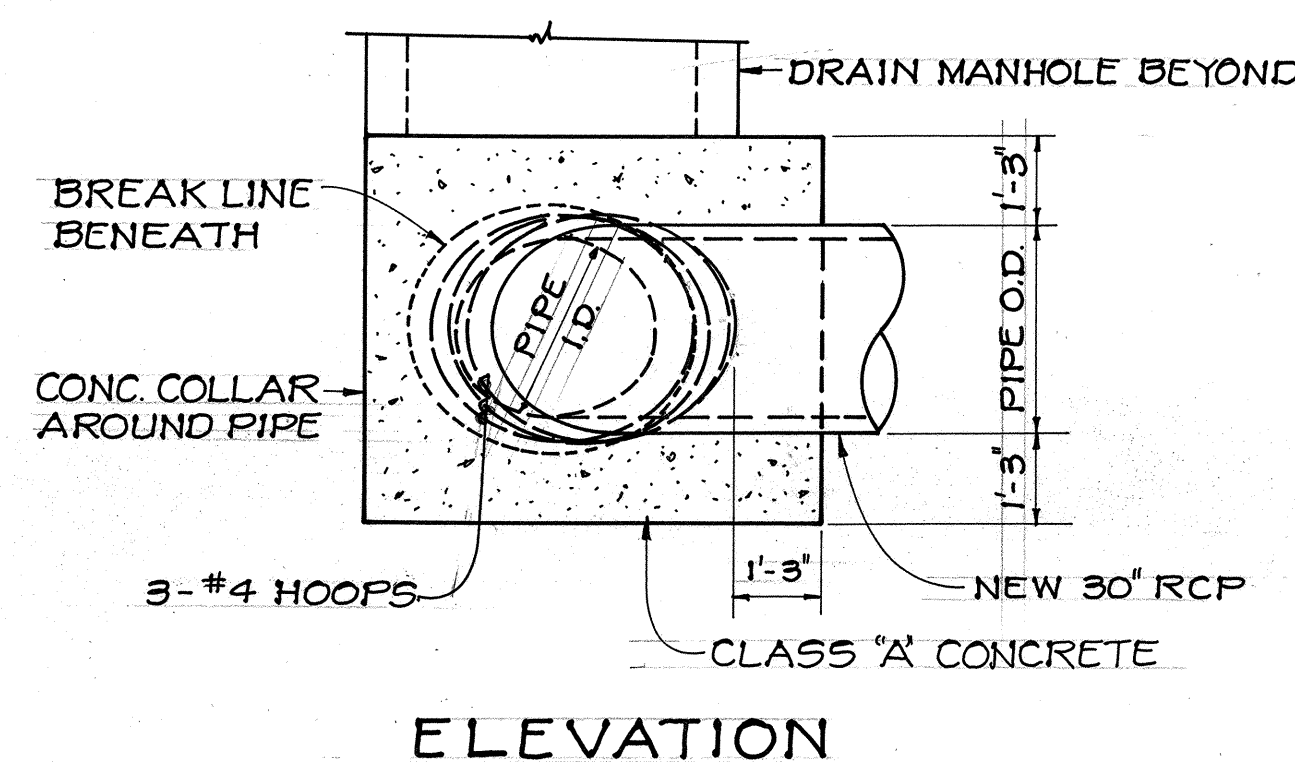
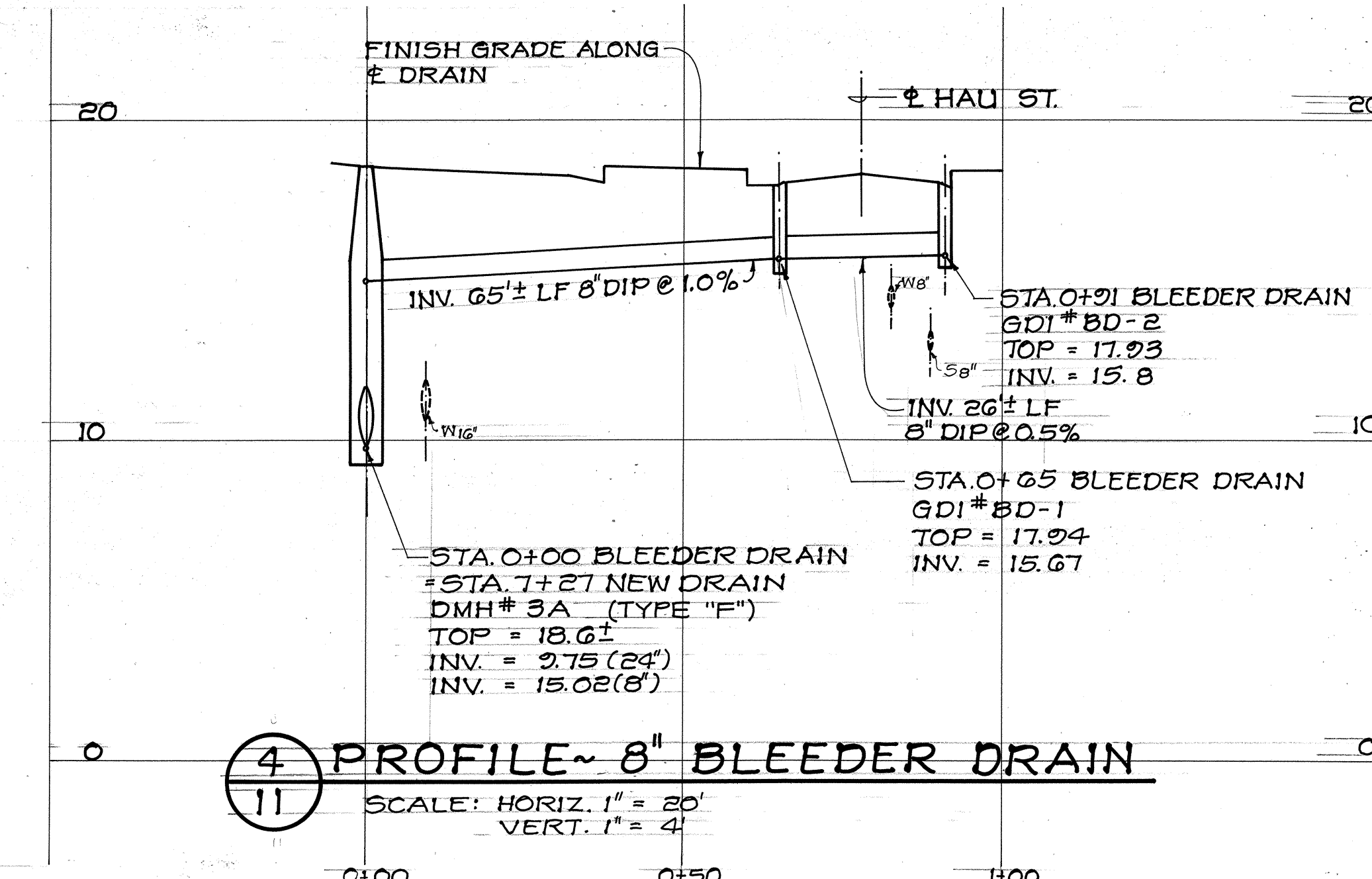
- NOTES:
- GRATING AND FRAME SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
 - ORIENT GRATING SO THAT BEARING BARS ARE PERPENDICULAR TO FACE OF CURB

3 GRATING DETAIL

SCALE: 1/2" = 1'-0"



PIPE SIZE	PAYMENT TRENCH WIDTH	THICKNESS OF CUSHION
8"	24"	4"
18"	36"	6"
24"	48"	6"
30"	56"	6"



1 CONNECTION TO EXIST. DMH DETAIL

SCALE: 3/8" = 1'-0"

5 DRAIN TRENCH DETAIL

NOT TO SCALE

APPROVED:

CHIEF, PLANNING AND ENGINEERING, BWS

CHIEF, DIV. OF ENGINEERING, DPW

CITY AND COUNTY OF HONOLULU

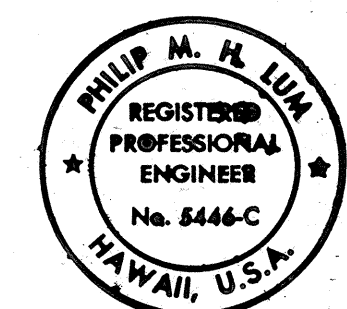
(FOR CONSTRUCTION WITHIN CITY R/W ONLY)

11-19-90

DATE

11/17/90

DATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Philip M. Luna

REKUNAGA & ASSOCIATES

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

DRAIN DETAILS

KALIHI STREET IMPROVEMENTS

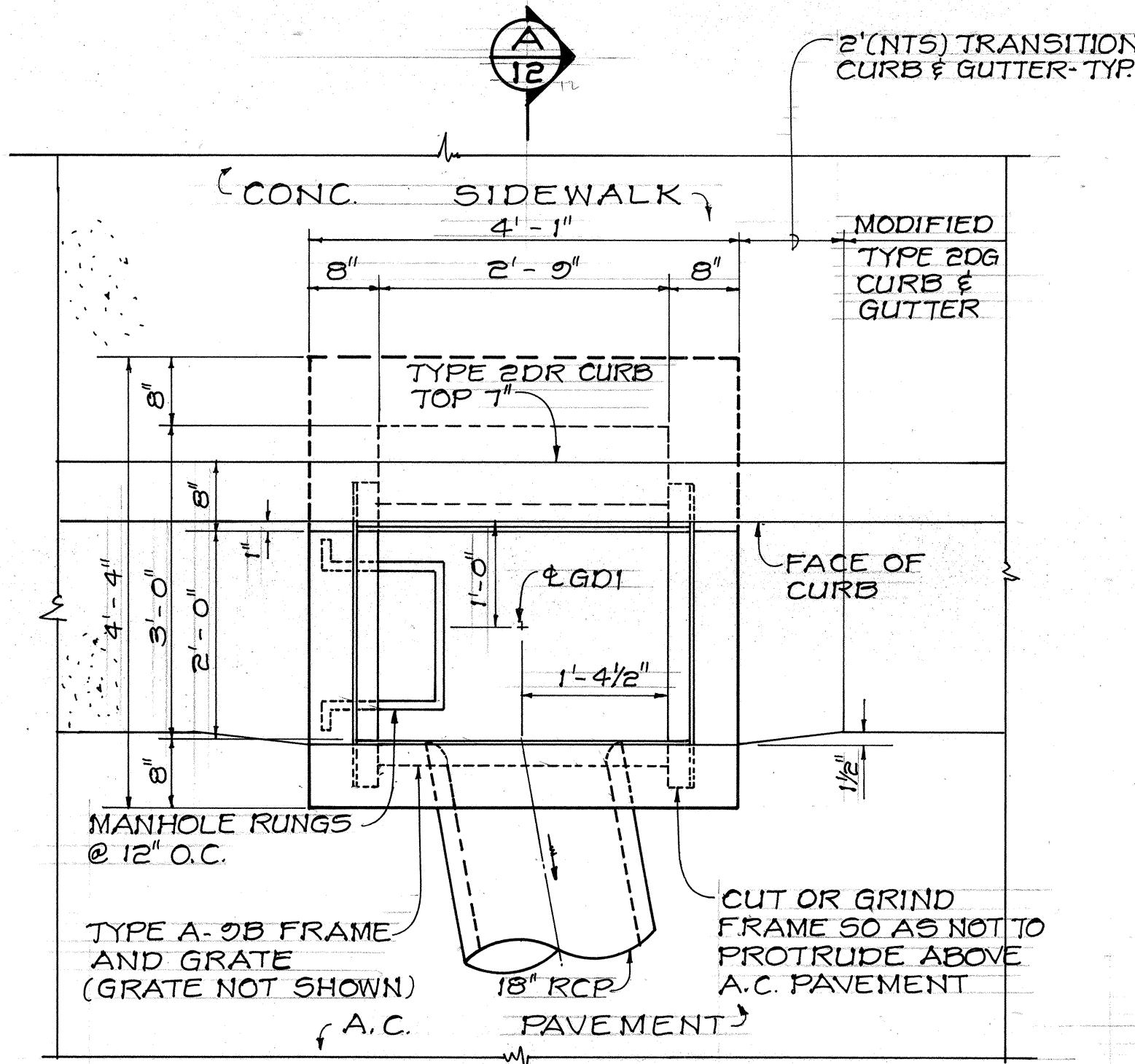
NIMITZ HWY. TO DILLINGHAM BLVD.

PROJECT NO. 63A-02-89

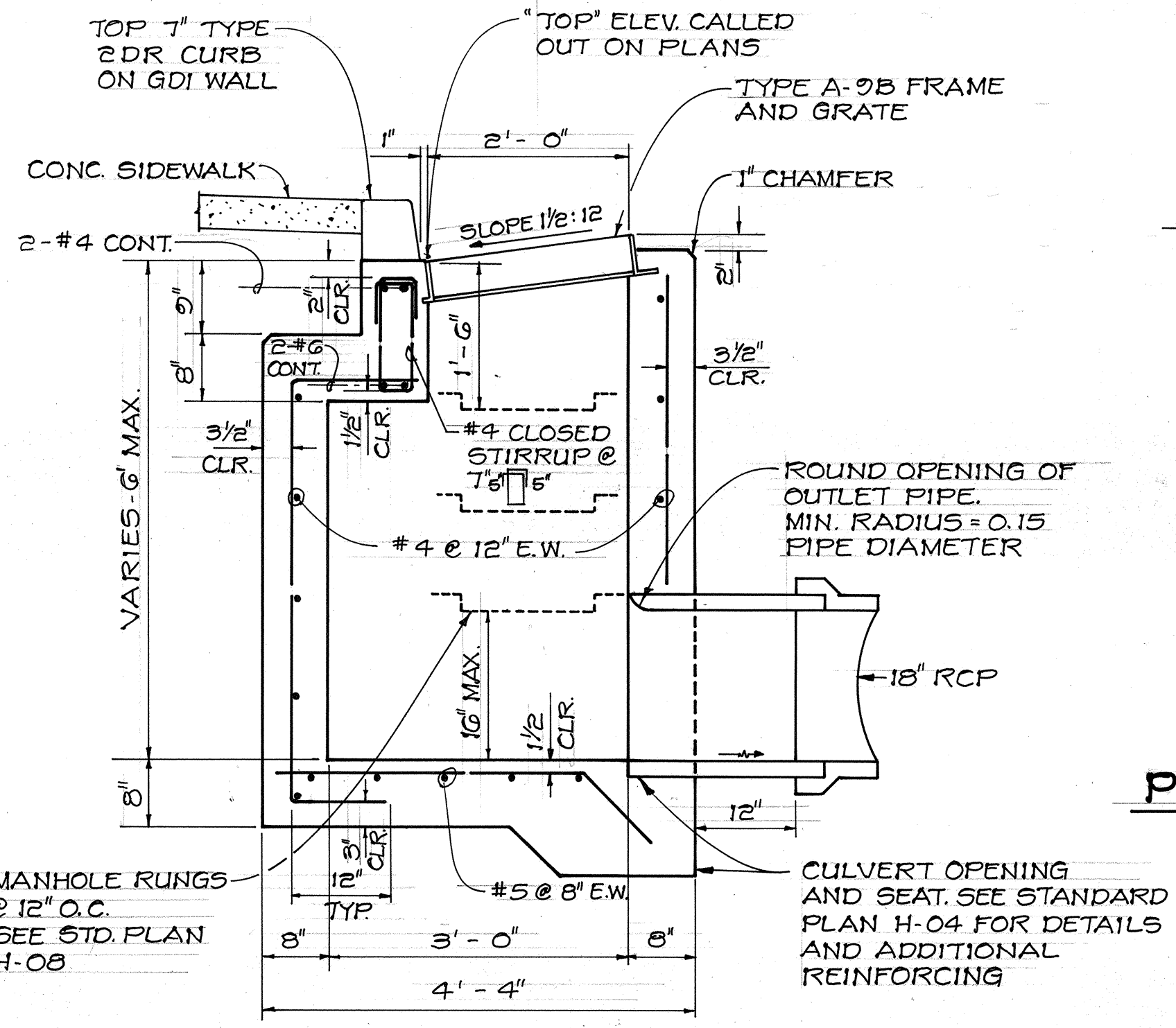
SCALE: AS NOTED

SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-02-89	1991	12	23

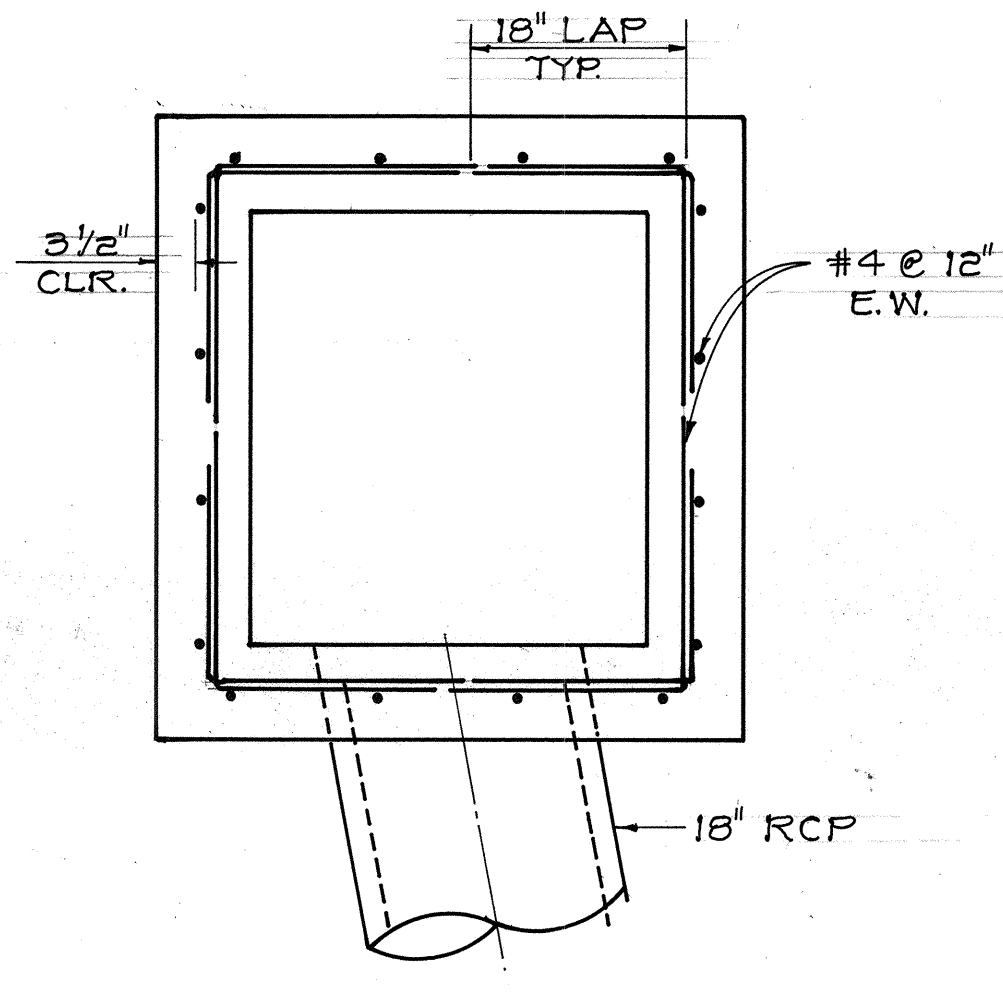


PLAN



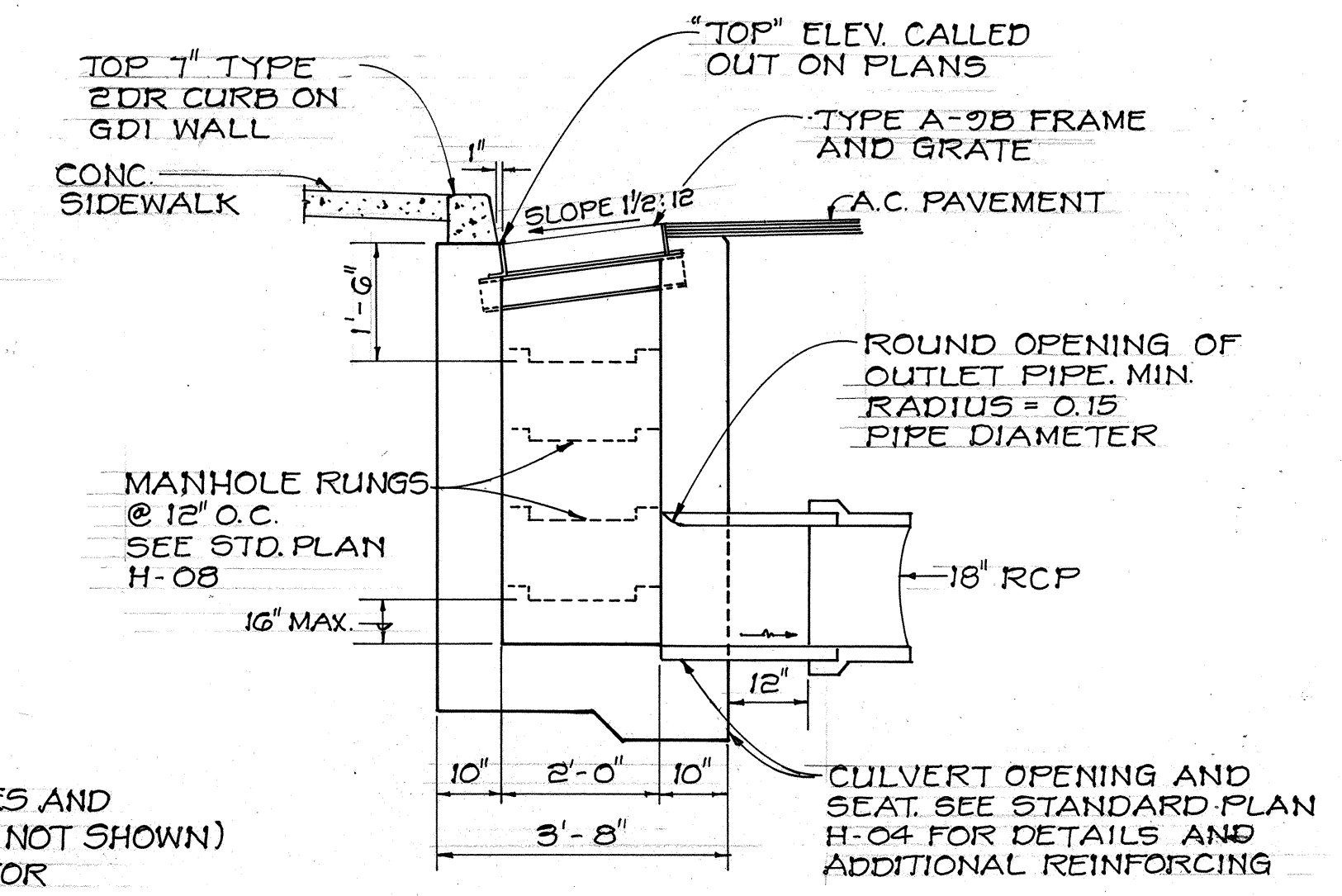
SECTION A-A

PLAN OF WALL SECTION

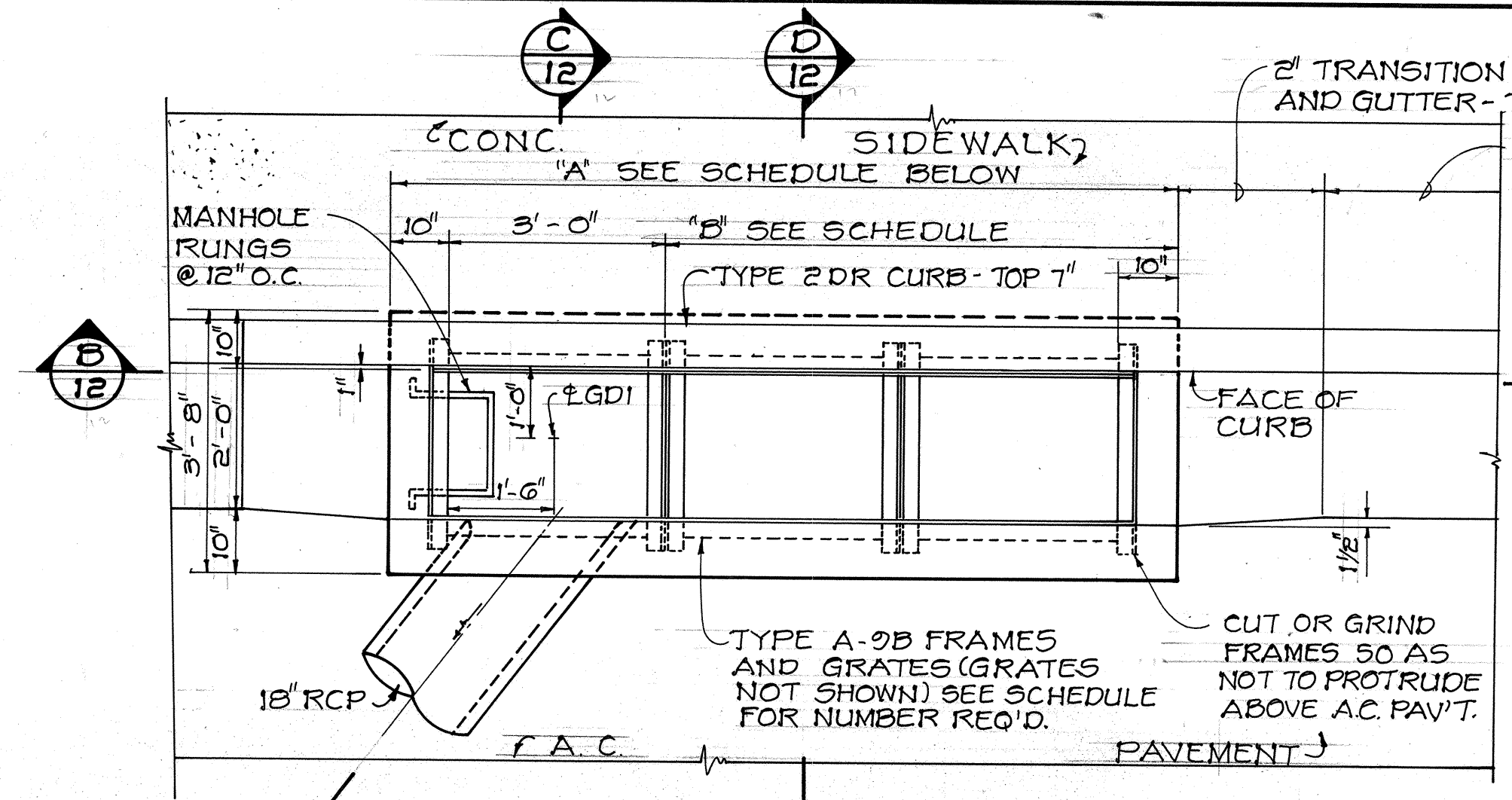


NOTE (APPLIES TO ALL GDIs):
CONCRETE SHALL BE CLASS "A",
REINFORCING BARS SHALL BE
GRADE 60.

1 SINGLE - GRATE GDI DETAIL
SCALE: 3/4" = 1'-0"



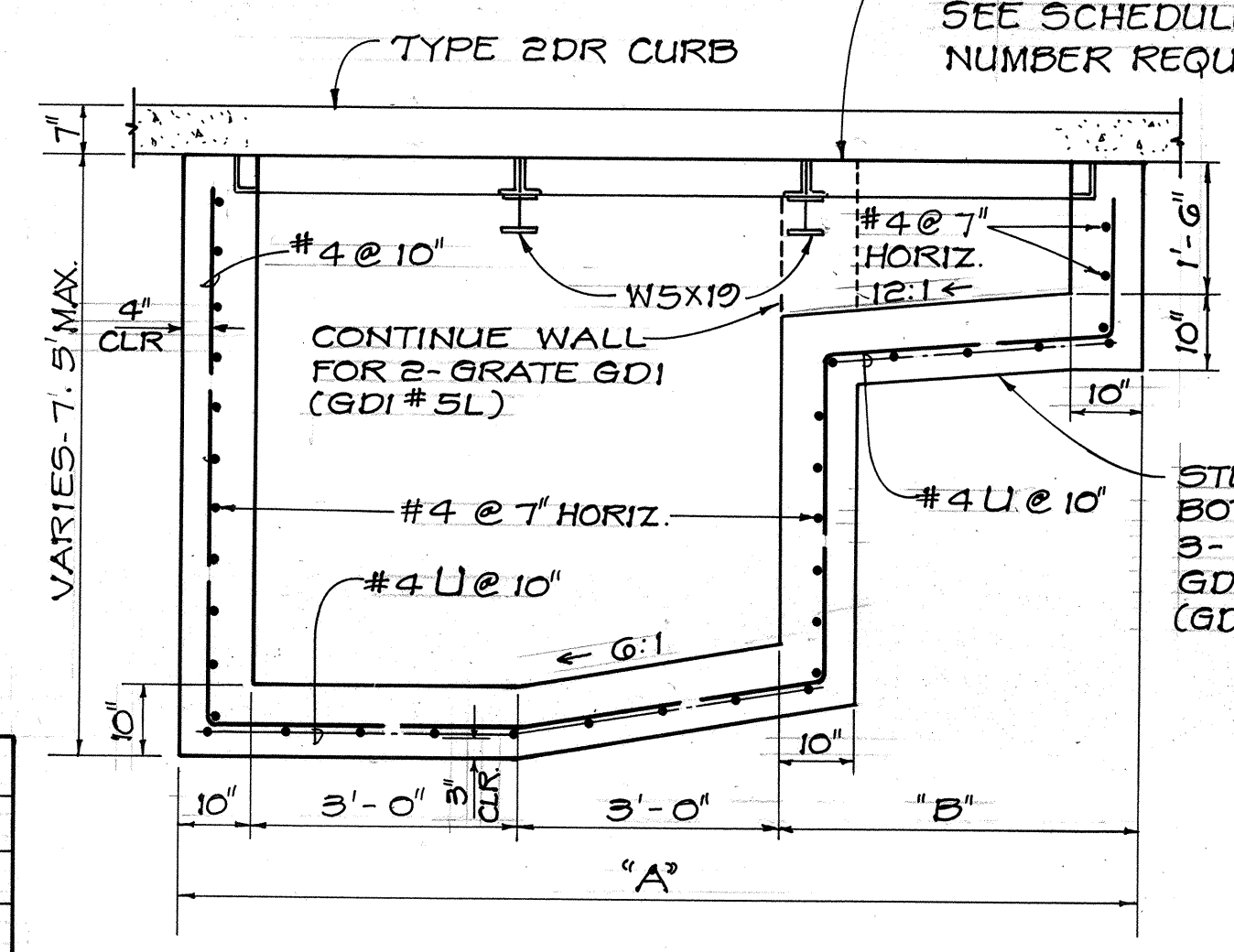
SECTION C-C



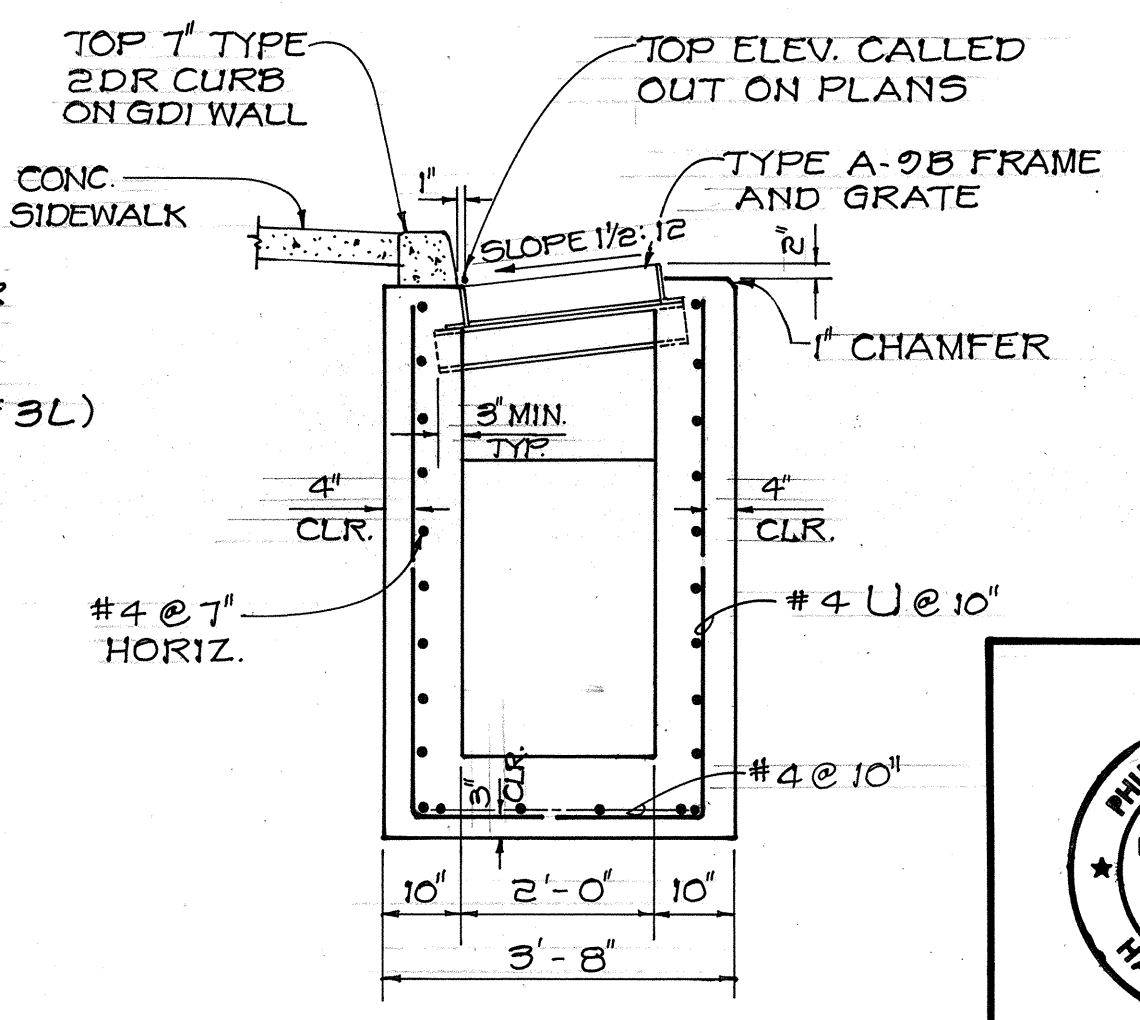
PLAN

2' TRANSITION CURB AND GUTTER-TYP
MODIFIED TYPE 2DG CURB AND GUTTER-TYP

GDI #	"A"	"B"	NO. OF FRAMES/GRATES
2L	10'-11"	4'-1"	3
3L	10'-11"	4'-1"	3
5L	7'-8"	0	2



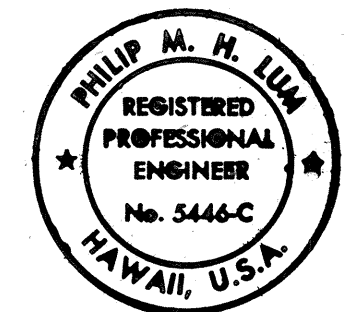
SECTION B-B



SECTION D-D

2 MULTIPLE - GRATE GDI DETAIL
SCALE: 1/2" = 1'-0"

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Philip M. H. Lum
RUKUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAIN DETAILS

KALIHI STREET IMPROVEMENTS
NIMITZ HWY. TO DILLINGHAM BLVD.
PROJECT NO. 63A-02-89

SCALE: AS NOTED

SHEET No. 2 OF 2 SHEETS