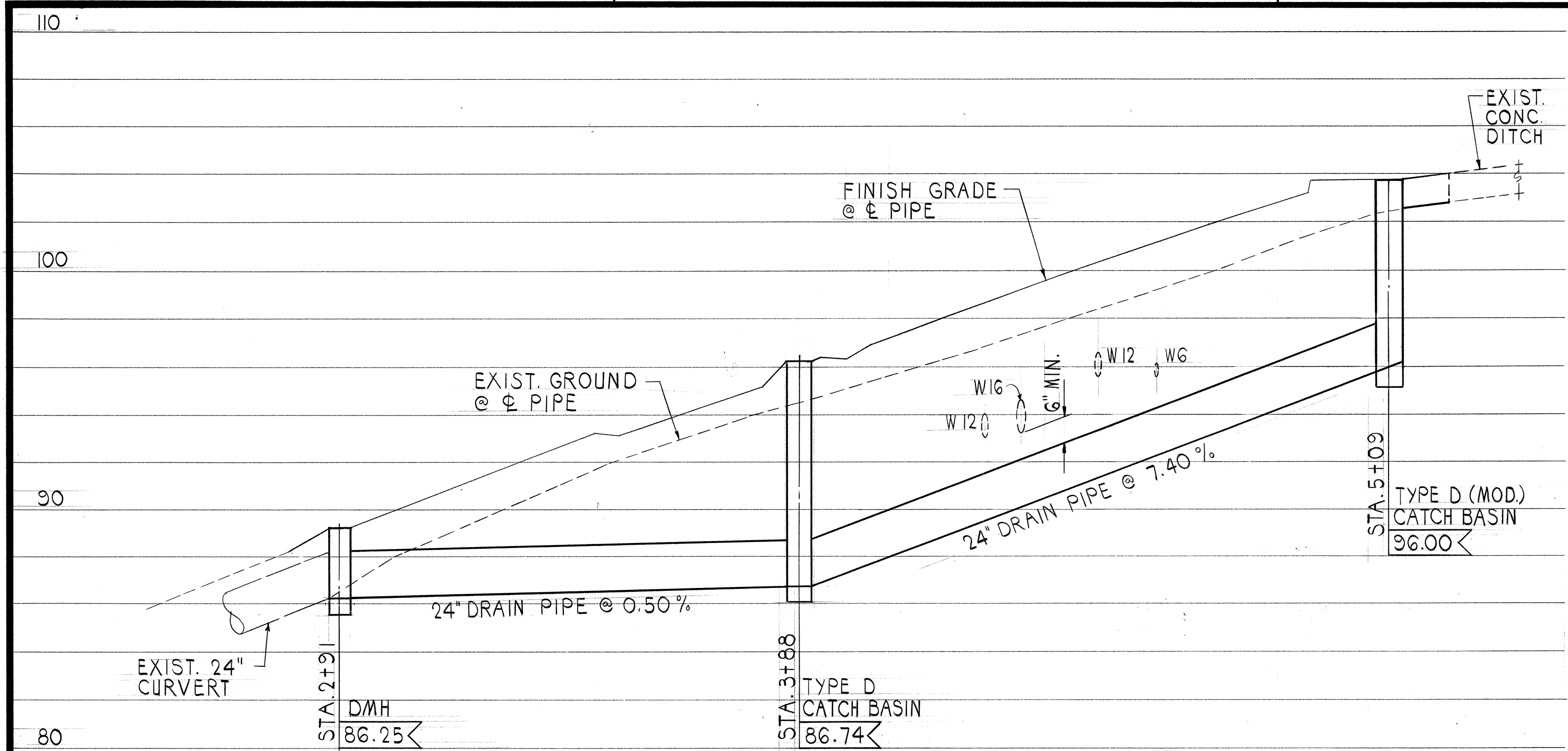
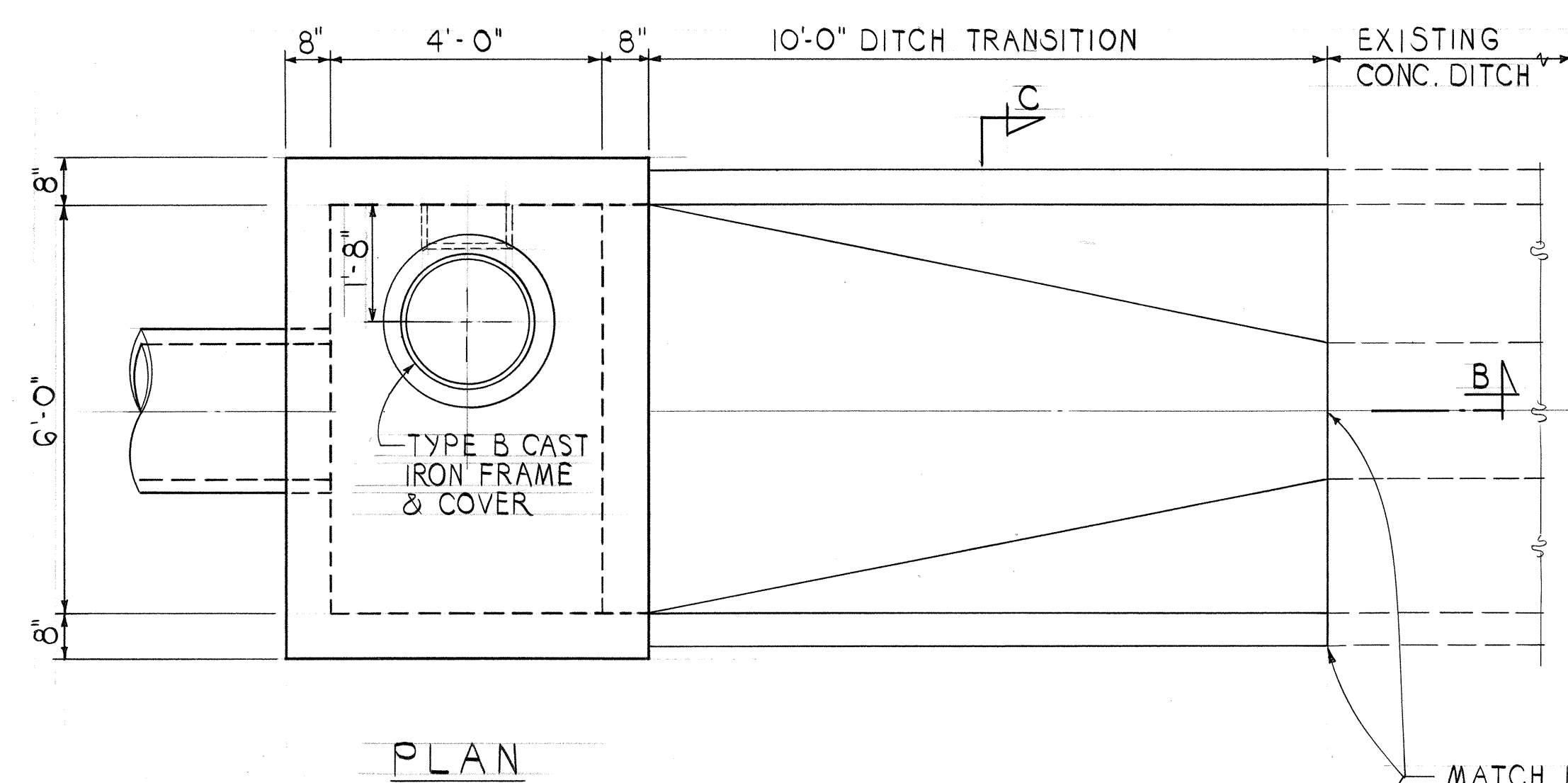


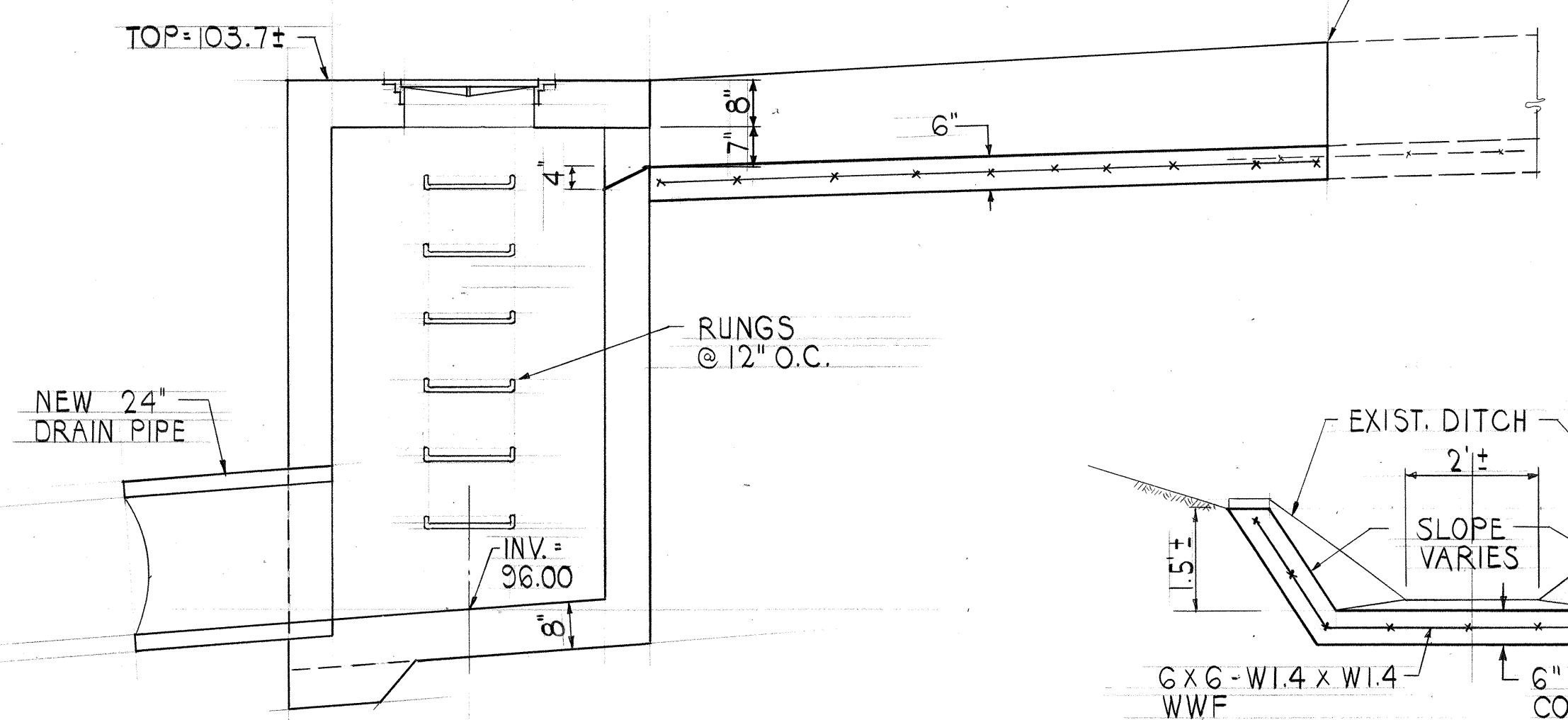
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-89	1989	7	10



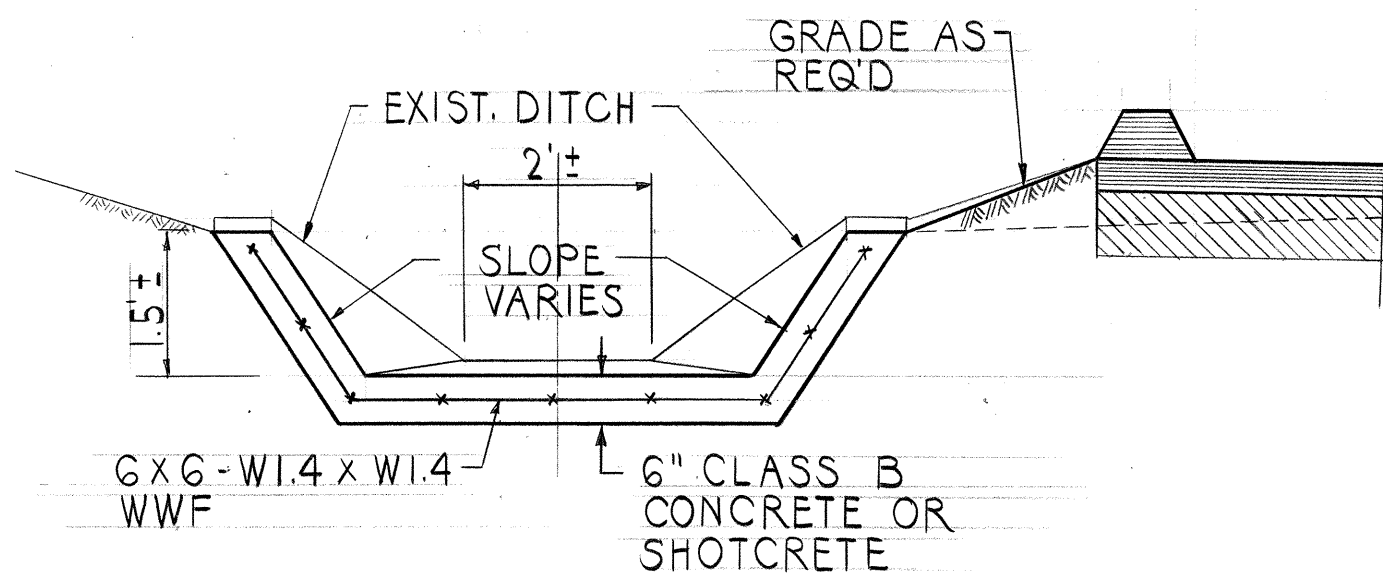
PROFILE - NEW 24" DRAIN LINE
SCALE: HORIZ. 1" = 20'
VERT. 1" = 4'



PLAN

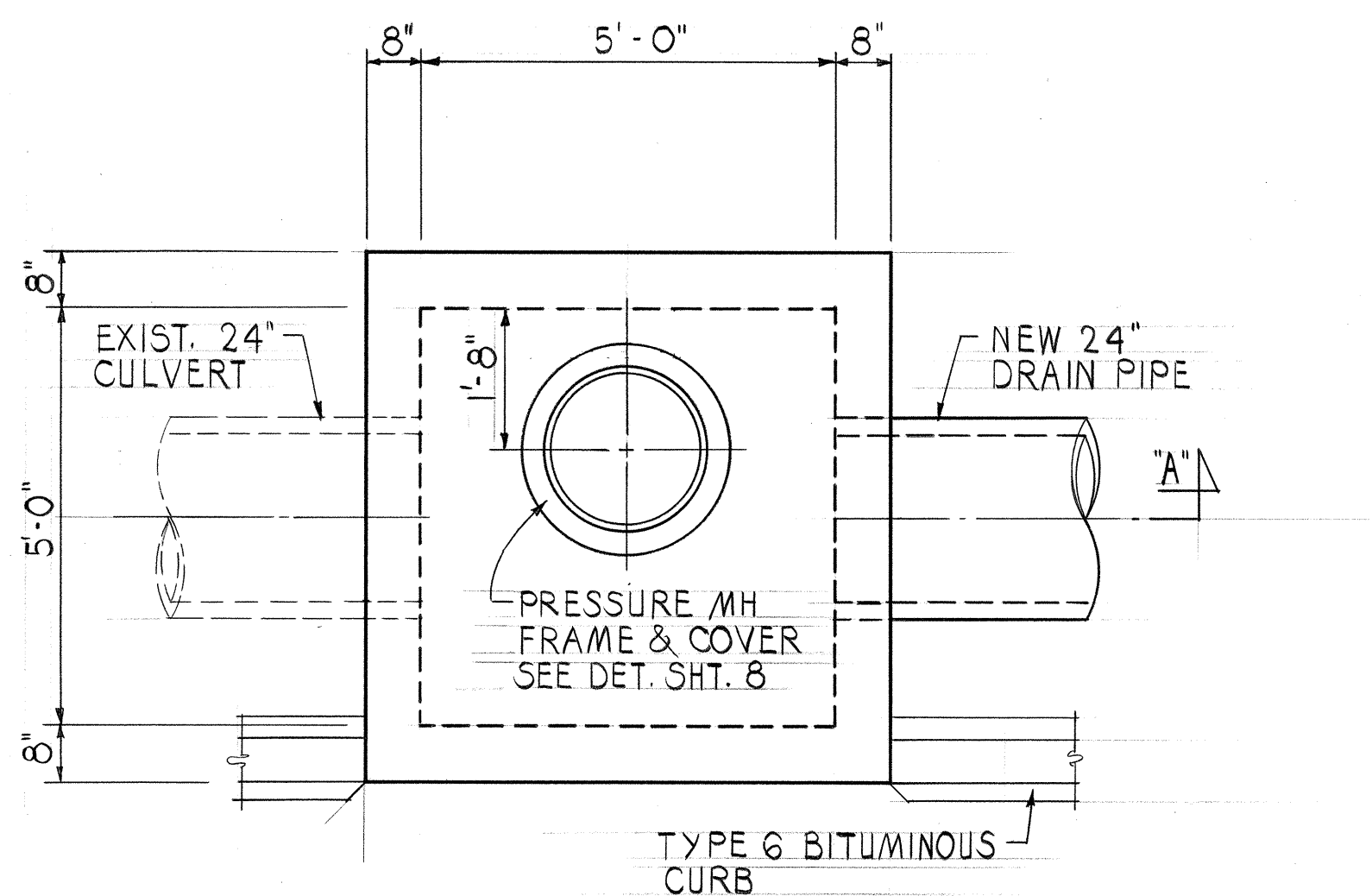


SECTION B

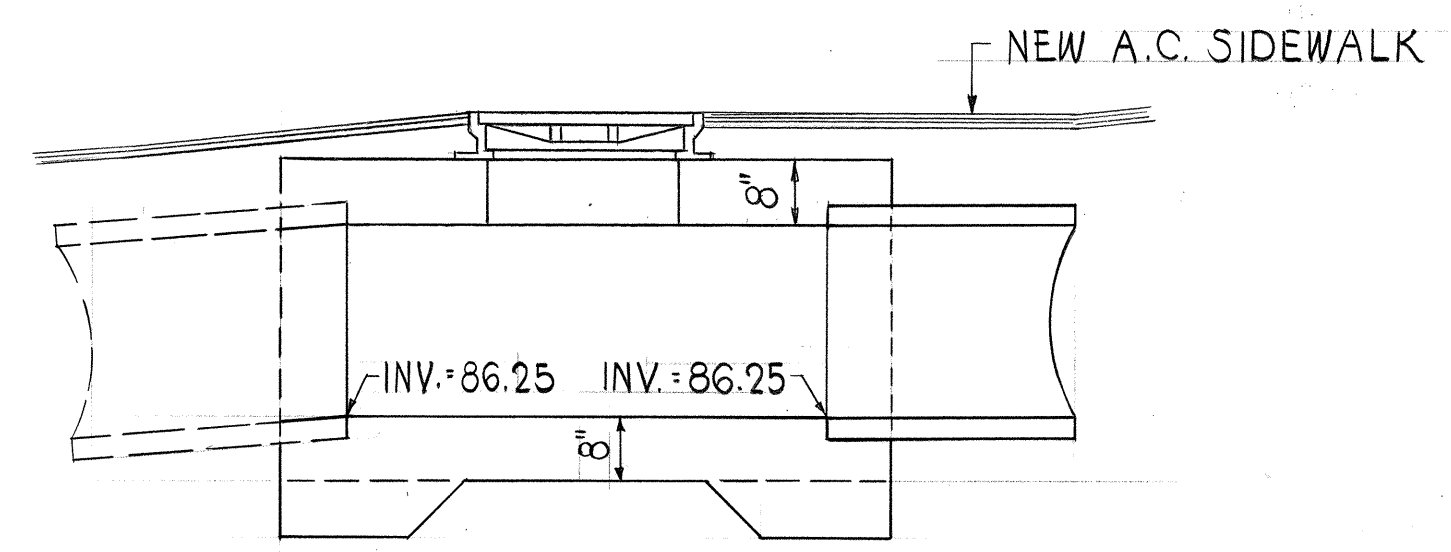


SECTION C

- NOTES**
1. SEE STANDARD PLAN H-01 FOR DETAIL DIMENSIONS AND STEEL REINFORCING SIZES AND PLACEMENT IN WALL AND SLABS.
 2. 24" DRAIN PIPE - OPTIONAL CORRUGATED ALUMINUM PIPE, SHEET THICKNESS, 0.075 INCH, CORRUGATED STEEL PIPE, SHEET THICKNESS, 0.079 INCH, OR CLASS V REINFORCED CONC. PIPE.

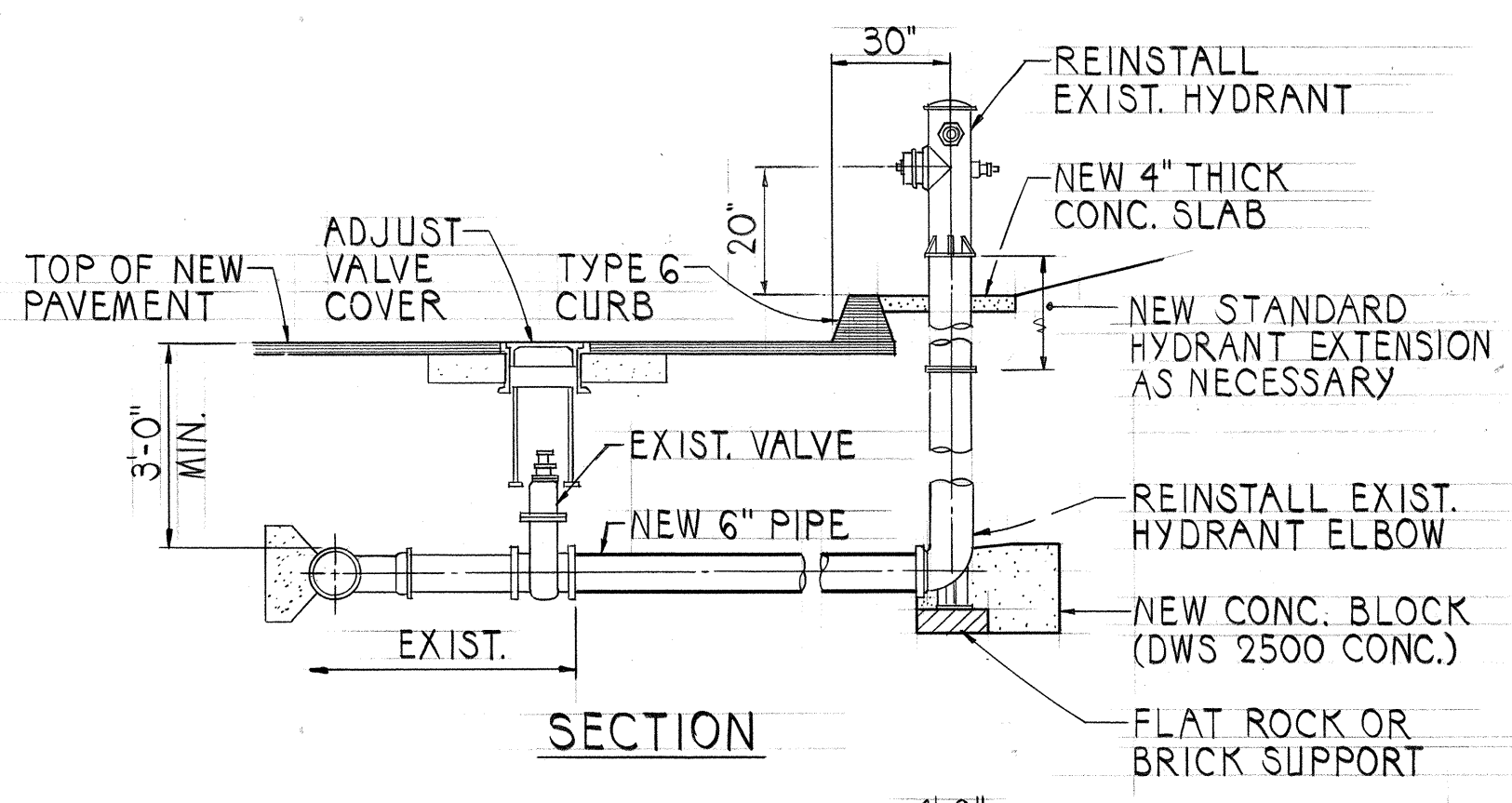


PLAN

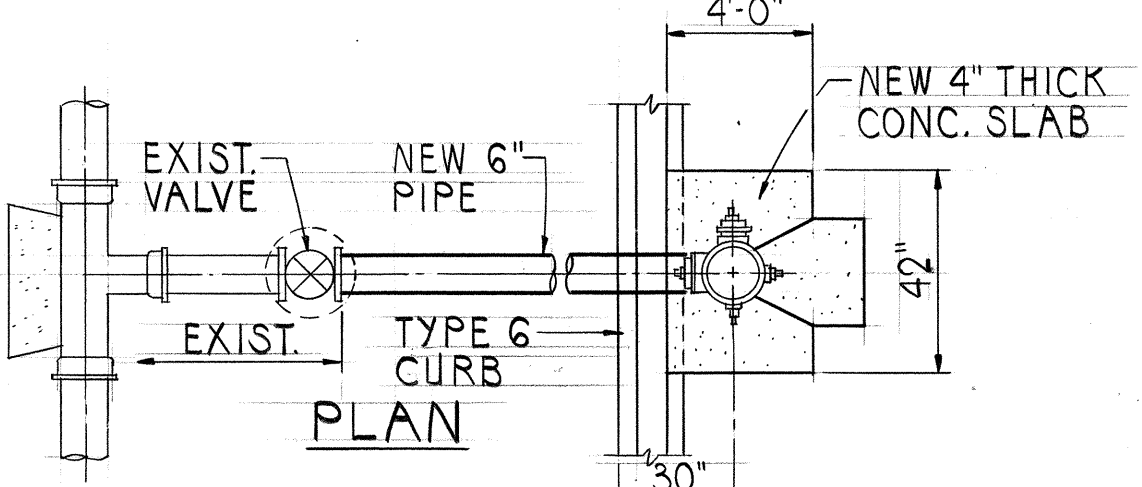


SECTION "A"

DRAIN MANHOLE DETAIL
SCALE: 1/2" = 1'-0"



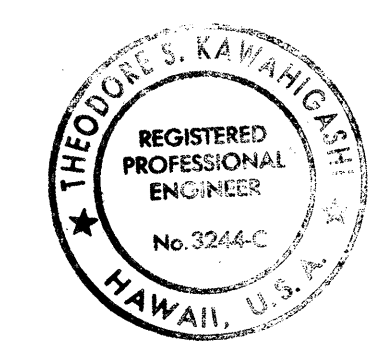
SECTION



PLAN

FIRE HYDRANT RELOCATION DETAIL
NOT TO SCALE

- NOTES:**
- GASKETS FOR FLANGED JOINTS SHALL BE 1/8 INCH DUCK-INSERTED RUBBER PACKING GARLOCK NO. 19.
- BOLTS SHALL BE BREAK-OFF TYPE, 5/8" DIA. x 3" LONG MACHINE BOLTS WITH CUT THREADS, AMERICAN STANDARD HEAVY HEXAGON HEADS, GALVANIZED.
- NUTS SHALL BE AMERICAN STANDARD HEAVY COLD PUNCHED HEXAGON NUTS, GALVANIZED.
- CONCRETE SHALL BE DWS 2500.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Theodore S. Kawahigashi

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAIN LINE PROFILE AND DETAILS

HALEAKALA HIGHWAY
TRAFFIC SIGNALS AT MAKAWAO AVENUE
PROJECT NO. 37C-01-89

SCALE: AS NOTED
DATE: JAN. 1989

SHEET NO. 1 OF 2 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	