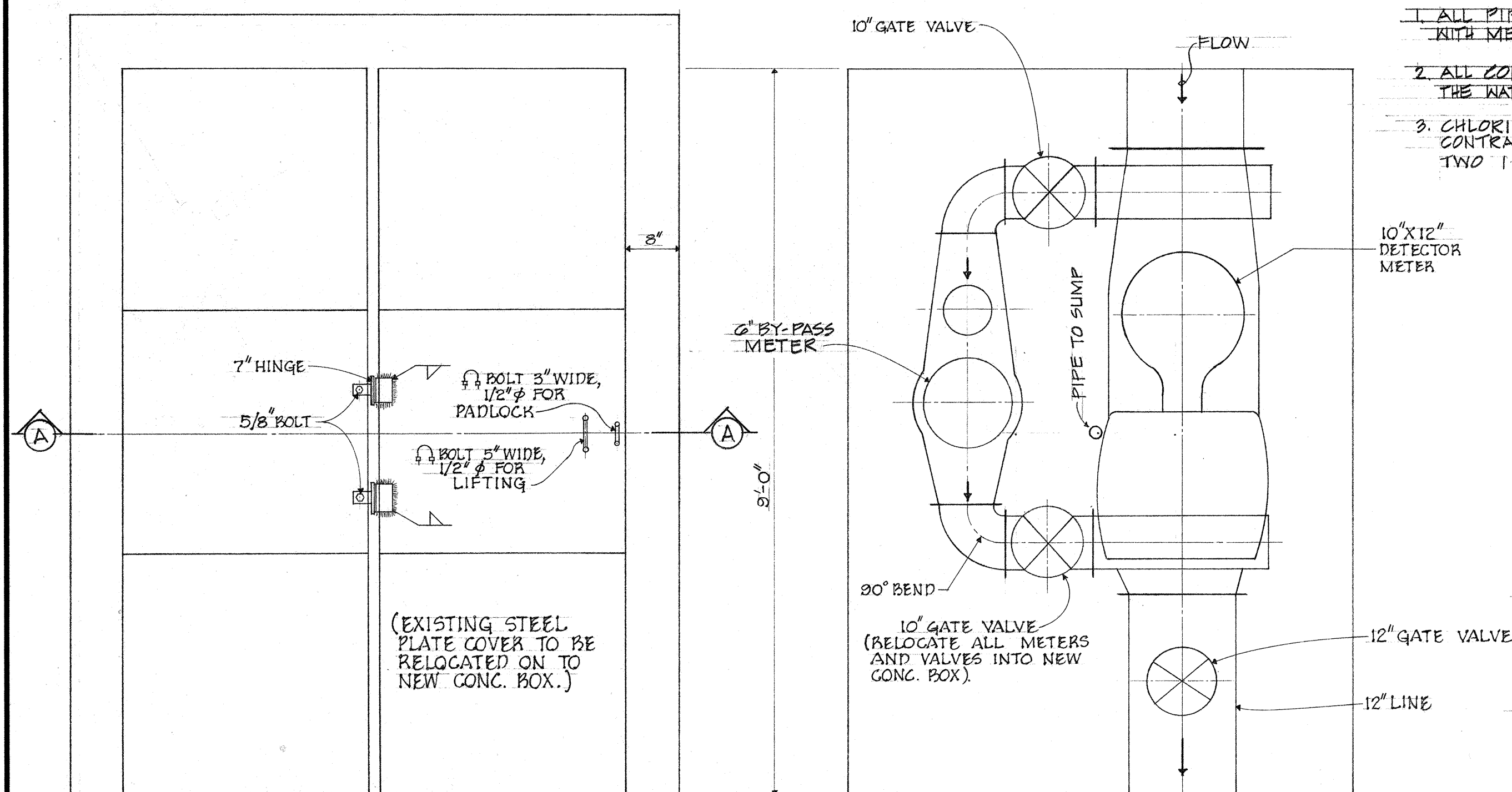
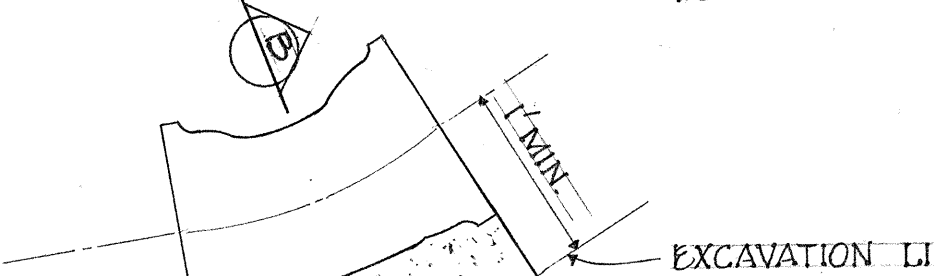
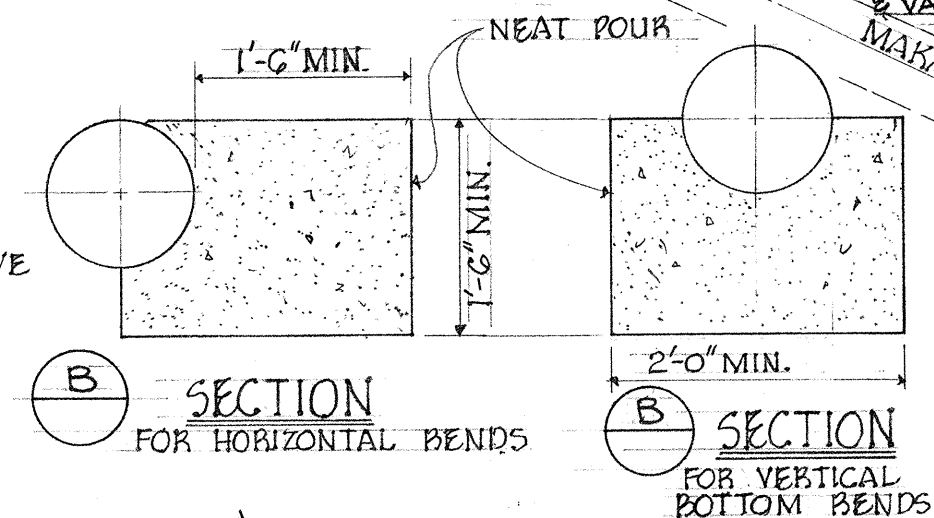


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (103):14	1972	31	46



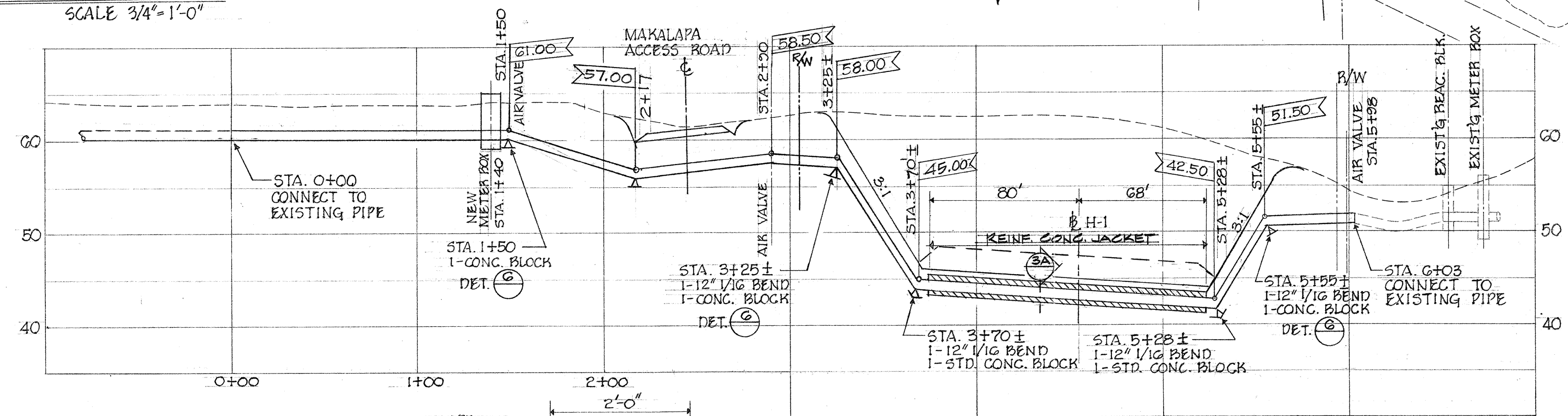
② LAYOUT OF METERS & VALVES (EXIST'G)
SCALE $3/4" = 1'-0"$



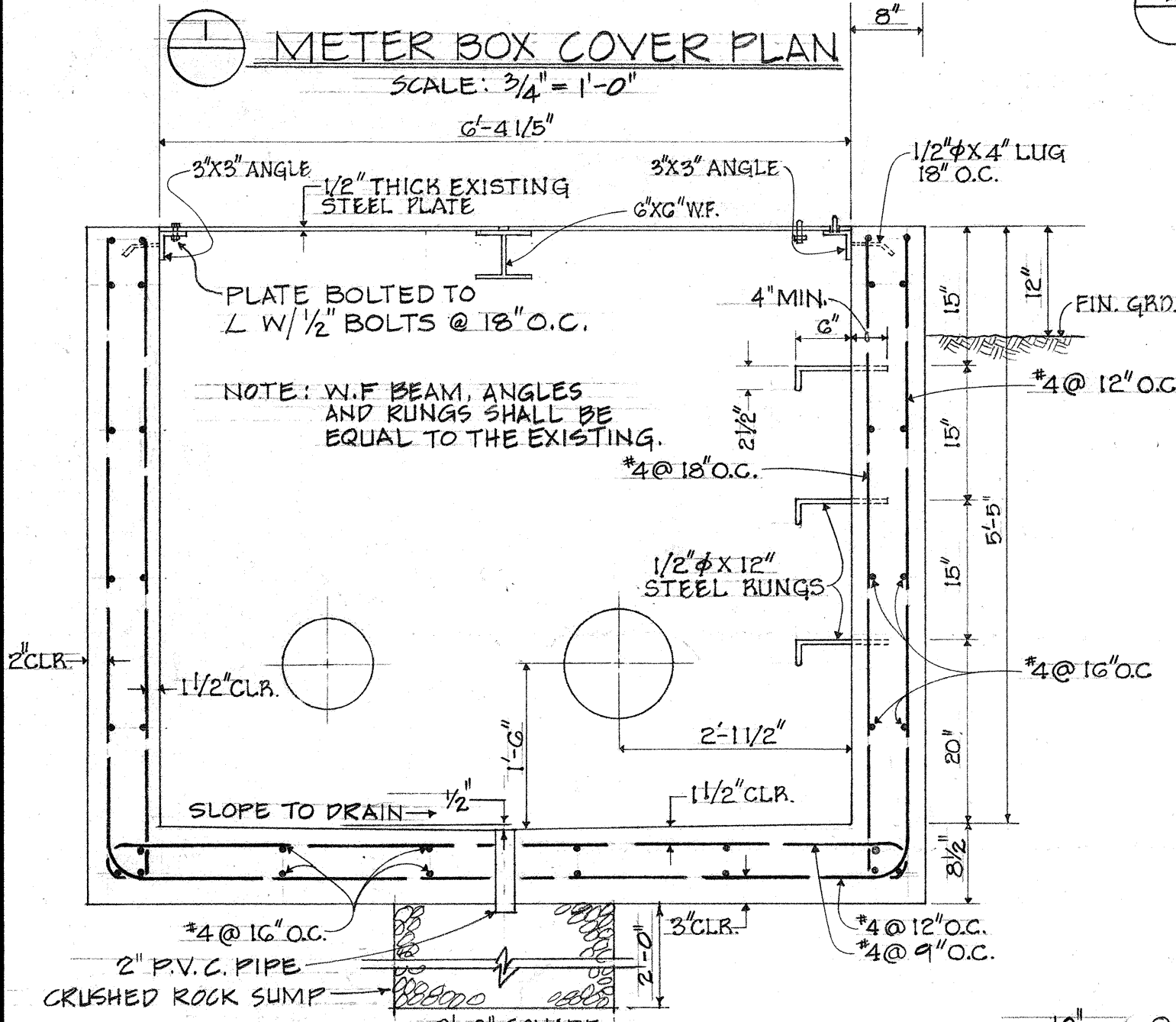
PLAN

5 STANDARD CONC. BLOCK

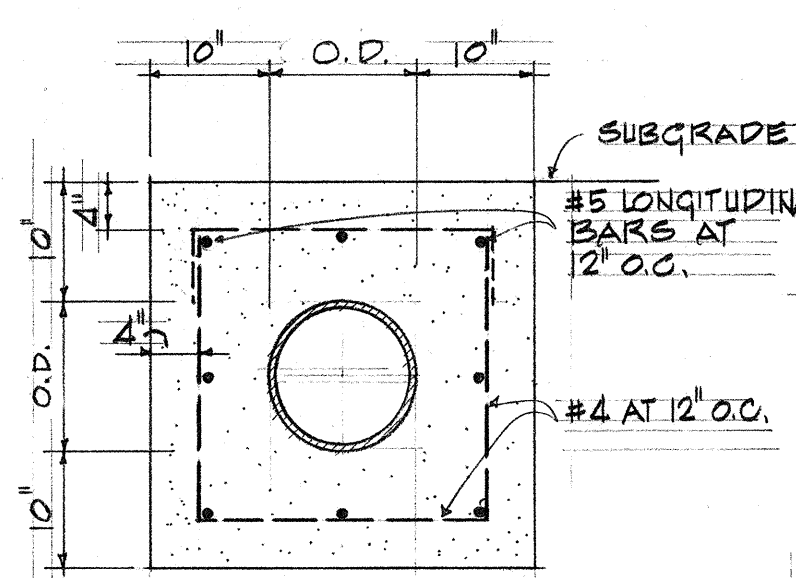
SCALE $3/4" = 1'-0"$



PROFILE
VERT.: 1" = 10'-0"
HORIZ.: 1" = 50'-0"

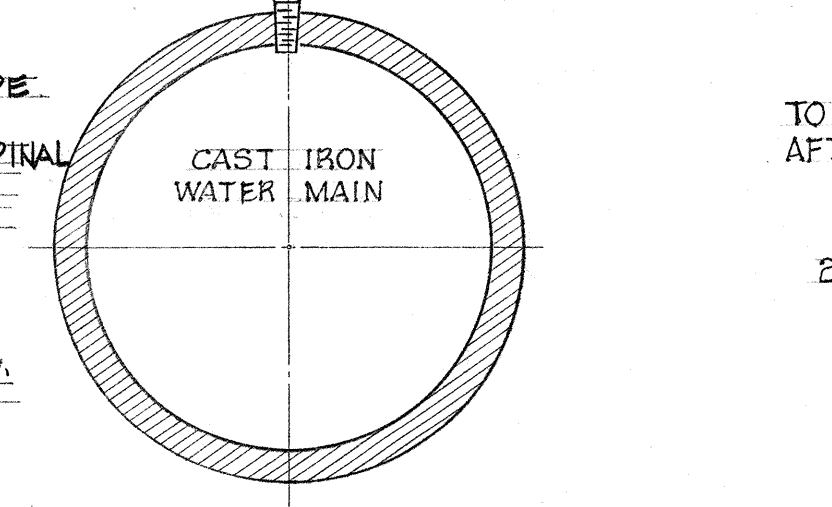


SECTION
SCALE: $3/4" = 1'-0"$

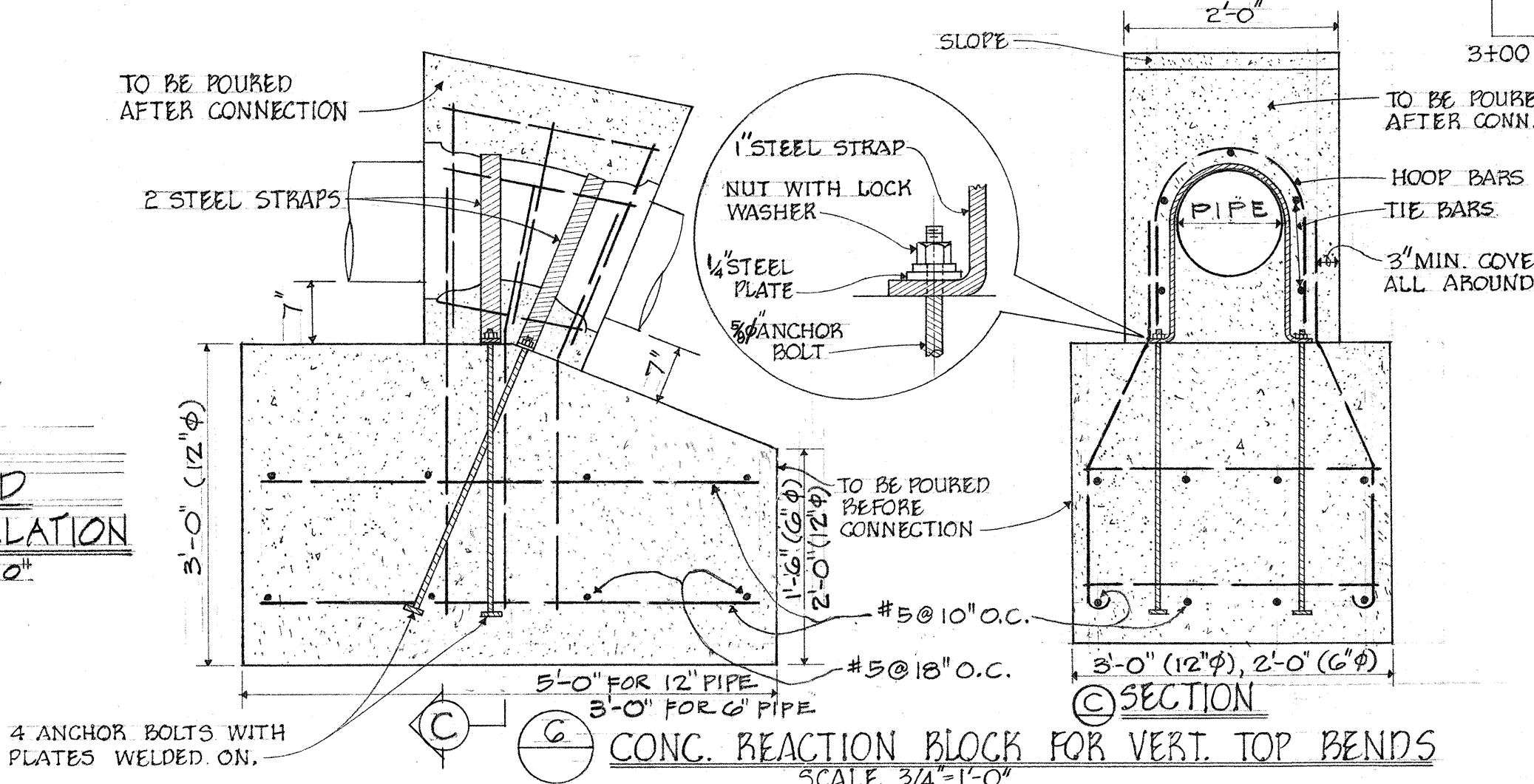


3A REINF. CONC.
JACKET
SCALE: 3/4" = 1'-0"

NOTE:
ENDS OF JACKET SHALL BE SET BACK FROM JOINTS TO PROVIDE SUFFICIENT WORKING SPACE FOR REMOVAL OF BOLTS



④ AIR RELIEF VALVE
CONNECTION AND
VALVE BOX INSTALLATION
SCALE: $2\frac{1}{4}" = 1' - 0"$



CONC. REACTION BLOCK FOR VERT. TOP BENDS
SCALE 3/4"=1'-0"

JOHN B. K. SUR & ASSOCIATES, INC.

JOHN B. K. SUR
REGISTERED
PROFESSIONAL
ENGINEER
No. 806-E
HAWAII U.S.A.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

John B. K. Sur

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

NAVY 12" WATER LINE
RELOCATION

INTERSTATE ROUTE 4-1

FAJ, PROJECT NO. I-HI-1(103):14

SHEET No. OF SHEETS