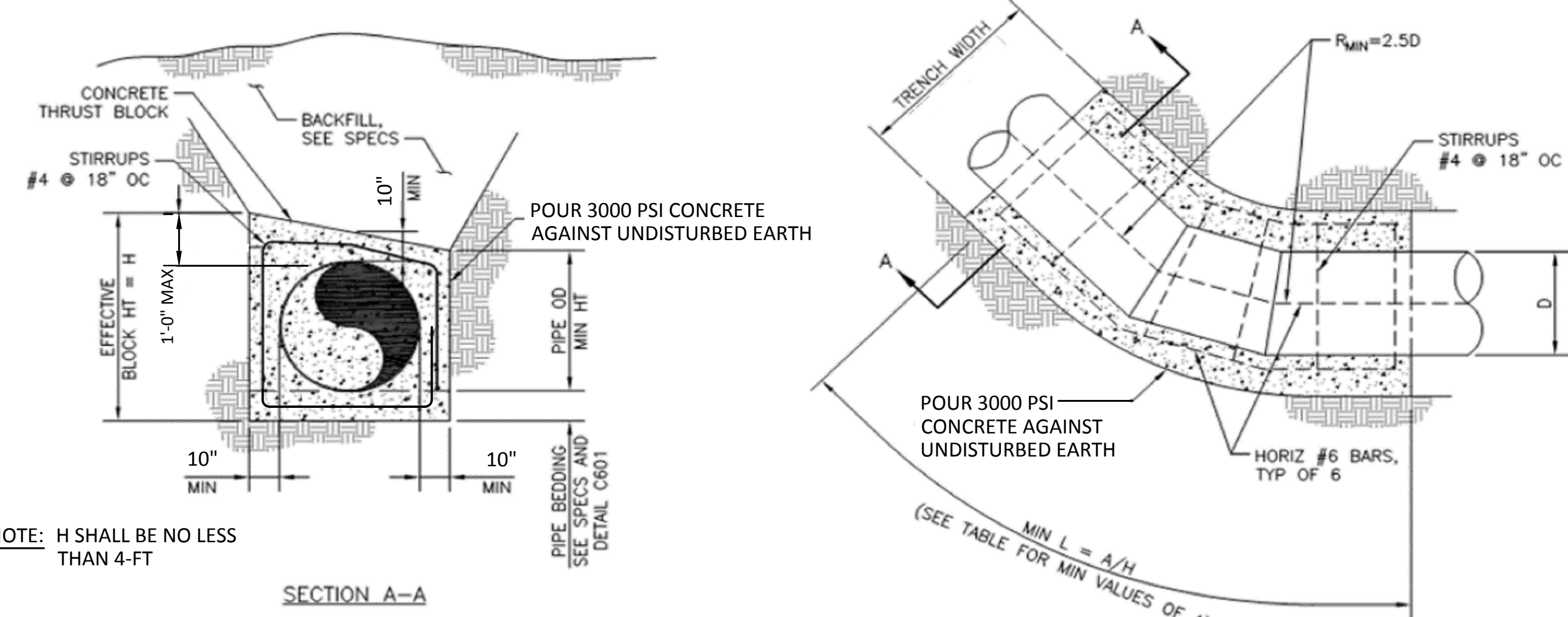


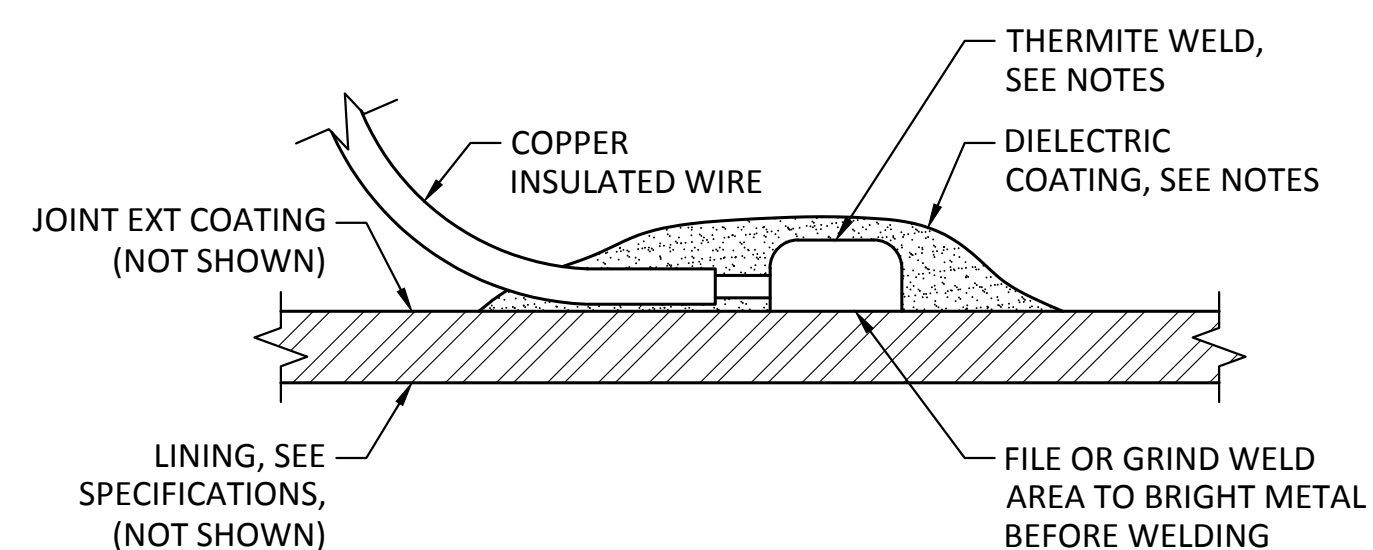
CAUTION: OPERATOR SHALL ENSURE ALL PUMPS ARE OFF AND THE 24-INCH BUTTERFLY VALVE (V-01) DOWNSTREAM ON SHEET C100 IS CLOSED BEFORE OPERATING THE DRAINS.

**DRAIN LINE**  
SCALE: NTS



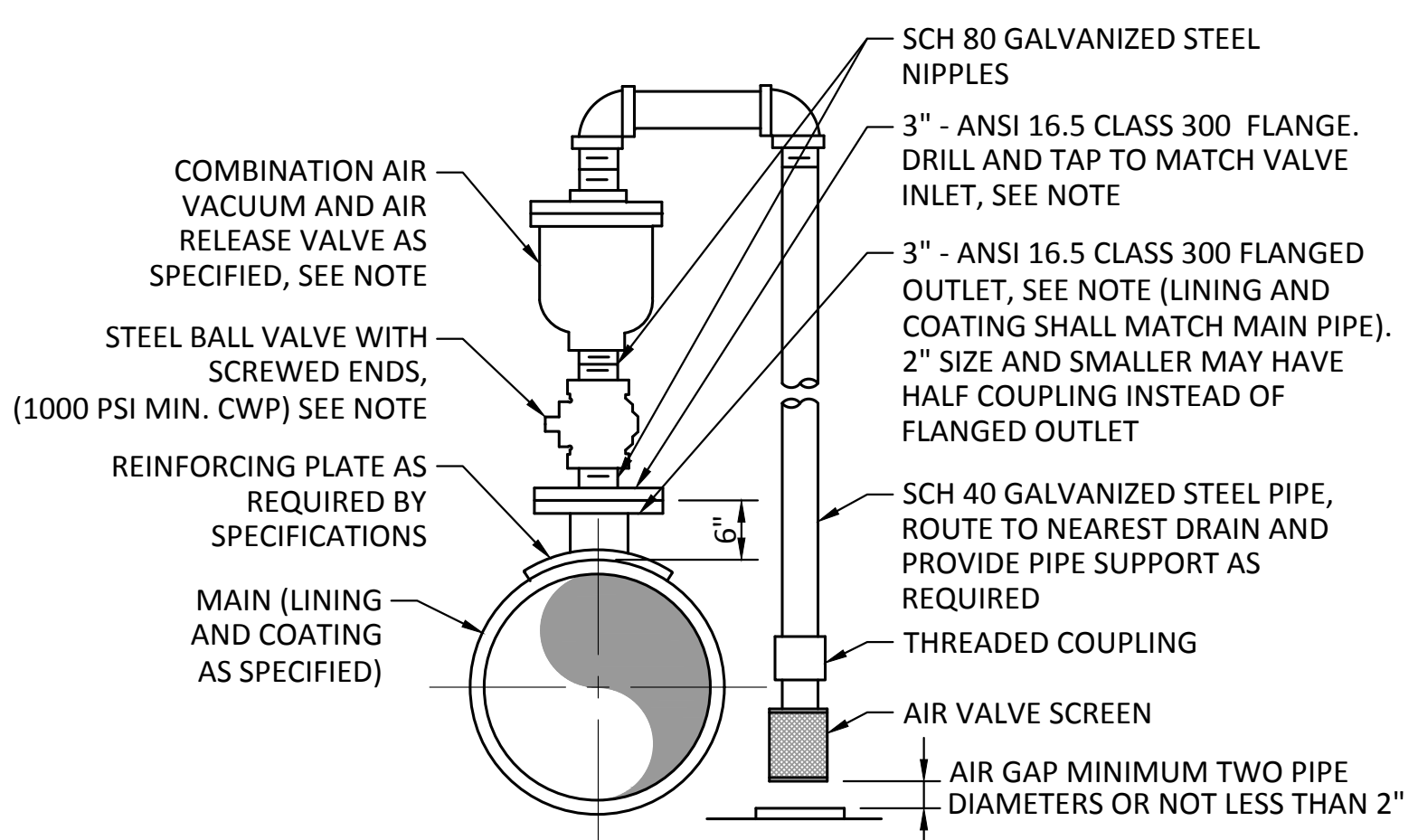
NOTE: H SHALL BE NO LESS THAN 4-FT

**SECTION A-A**



- NOTES:
- IF POSSIBLE, MAKE WIRE CONNECTION TO STEEL PIPE AT FIELD JOINT AT HOLDBACK OF PIPELINE COATING.
  - MAINTAIN SEPARATION BETWEEN MULTIPLE TEST WIRE CONNECTIONS OF ONE PIPE DIA OR 12", WHICHEVER IS LESS.
  - COPPER SLEEVE REQUIRED FOR #2 AWG JOINT BONDS OR FOR #12 AWG OR SMALLER TEST WIRES.
  - WELDER AND CARTRIDGE SIZE VARIES ACCORDING TO PIPE SIZE AND PIPE MATERIAL, CONSULT WELDER MANUFACTURER FOR RECOMMENDED WELDER AND CARTRIDGE.
  - COAT COMPLETED CONNECTIONS WITH DIELECTRIC COATING AS SPECIFIED.
  - PIPELINE JOINT COATING NOT SHOWN FOR CLARITY.

**PIPE WIRE CONNECTION DETAIL**  
SCALE: NTS



- NOTE:
- FOR PIPING SYSTEM WITH SERVICE PRESSURE CLASS GREATER THAN 150 PSI. ALL COMPONENTS FURNISHED SHALL BE SUITABLE FOR THE HIGHER PRESSURE.
  - PROVIDE FREEZE INSULATION (THERMAXX INSULATION JACKET OR APPROVED EQUAL) FOR AIR VALVE ON BRIDGE (AV-03 SHEET C105)

**AIR-VACUUM AND AIR-RELEASE VALVE ASSEMBLY - 3" AND SMALLER**  
SCALE: NTS

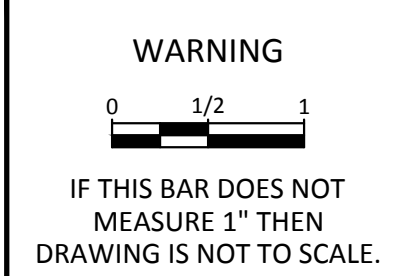
REQUIRED BEARING AREA TABLE (A = L\*H) TABLE FOR BURIED THRUST BLOCKS, DETAIL C906 (SQ FT) (TABLE ASSUMES PROJECT SPECIFIC UNDISTURBED TRENCH SOIL-BEARING CAPACITY OF 3,500 PSF)

PIPE BEND (DEG):	22.5	45.0	65.0
MAX OPERATING PRESSURE (PSI)	<310	<310	<310
NOMINAL PIPE DIAMETER (INCHES)	ASSUMED BEARING CAPACITY = 3,500*		
24	16	31	43
25	17	33	47

\*NOTE THAT THIS BEARING CAPACITY DOES NOT APPLY TO ANY OTHER PORTIONS OF PROJECT & SHALL BE USED ONLY FOR THE WATERLINE THRUST BLOCK CALCS. CONTRACTOR SHALL UTILIZE 310 PSIG PRESSURE COLUMN WHEN DETERMINING REQUIRED BEARING AREA FROM TABLE ABOVE.

**THRUST BLOCK DETAIL**  
SCALE: NTS

REV	DATE	BY	DESCRIPTION
1	6/10/22	JAL	REVISED - ISSUED FOR CONSTRUCTION
0	5/25/22	JAL	ISSUED FOR CONSTRUCTION



KLAMATH RIVER RENEWAL CORPORATION	DESIGNED <u>J. BURNS</u>
CITY OF YREKA WATER LINE	DRAWN <u>J. CHASE</u>
CIVIL STANDARD DETAILS 3	CHECKED <u>J. LOWY</u>
	PROJECT DATE <u>5/25/22</u>

DRAWING  
**GC004**