

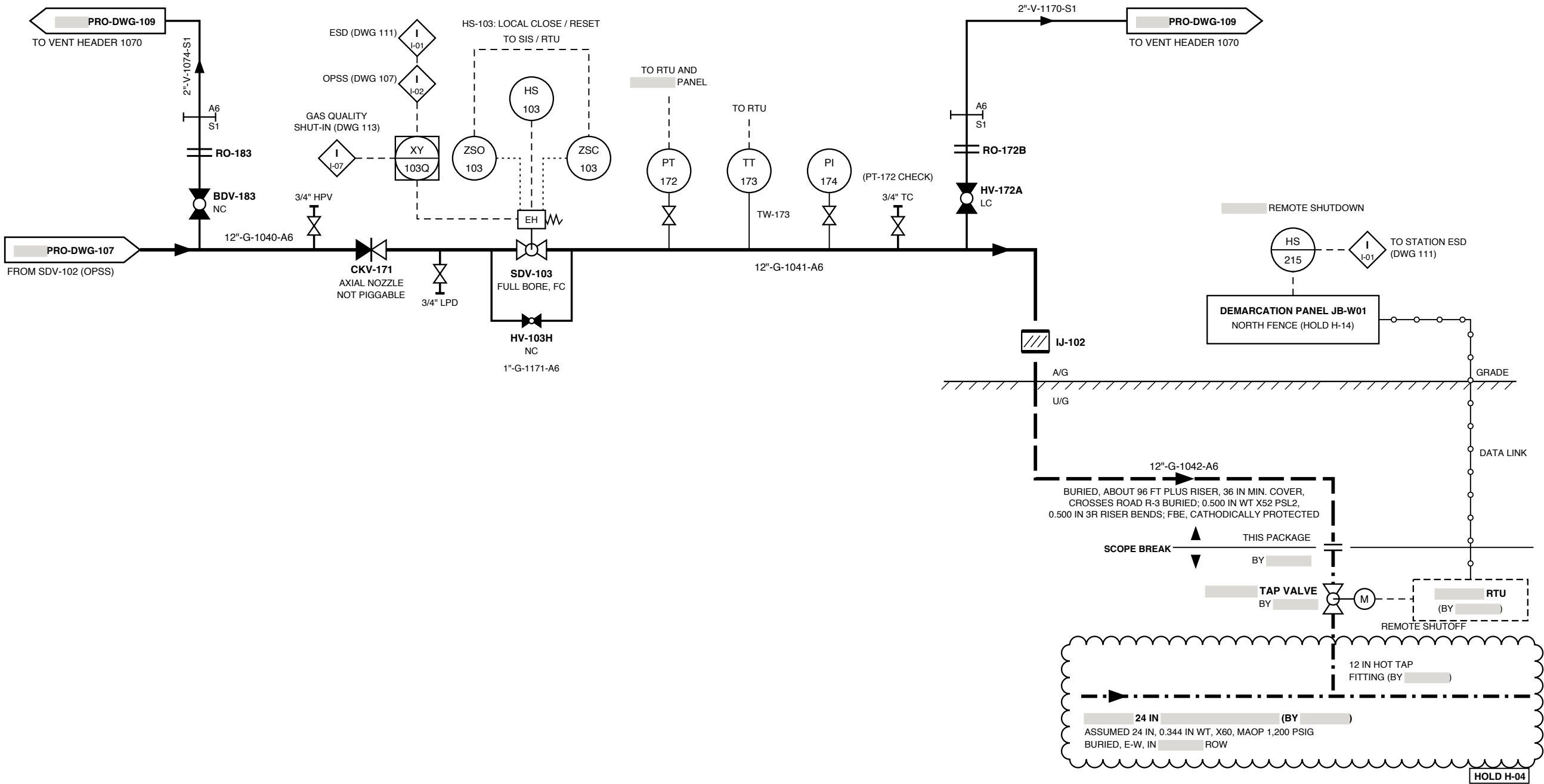
CKV-171
STATION OUTLET CHECK VALVE
NPS 12 CLASS 600 RF AXIAL NOZZLE CHECK, NOT PIGGABLE
DESIGN: 1,440 PSIG @ -20 / 150 F

SDV-103
STATION OUTLET SHUTDOWN VALVE
NPS 12 CLASS 600 RF FULL-BORE BALL, API 6D
ELECTRO-HYDRAULIC SPRING-RETURN, FAIL CLOSED
EQUALIZING BYPASS HV-103H, NPS 1 CL 800 API 602
GLOBE

IJ-102
STATION OUTLET INSULATING JOINT
MONOLITHIC, NPS 12, BUTT WELD, 1,440 PSIG
AT SOIL-TO-AIR TRANSITION

BY (INTERFACE ONLY)
12 IN HOT TAP FITTING AND TAP VALVE ON 24 IN
TRUNKLINE, RTU AND REMOTE SHUTOFF
AT THE TAP. DESIGN AND INSTALLATION BY
OR ITS CONTRACTOR (HOLD H-04)

- NOTES**
- SCOPE: THIS PACKAGE ENDS AT THE TAP VALVE INLET FLANGE (TAP AT PLOT 220, 257, HOLD H-04). TAP VALVE, HOT TAP FITTING, TRUNKLINE, RTU AND REMOTE SHUTOFF ARE BY , SHOWN FOR INTERFACE ONLY.
 - LINES 1040, 1041 AND 1042 ARE CLASS 600 (A6), MAOP 1,440 PSIG. THE OPSS (DWG 107) KEEPS THE ASSUMED TRUNKLINE BELOW THE 49 CFR 192.201 LIMIT OF 1,290 PSIG (HOLD H-04).
 - SDV-103 CLOSES ON STATION ESD (I-01), ON OPSS TRIP (I-02) AND, FOR GAS QUALITY SHUT-IN (I-07), ON THE HARDWIRED RTU REQUEST XY-103Q TO THE SIS AFTER FIC-131 RAMPS TO ZERO. SEE INS-LST-004.
 - RESET AND REOPEN LOCALLY AT HS-103 AFTER THE SIS RESET. EQUALIZE ACROSS SDV-103 WITH HV-103H (NPS 1 CLASS 800 FORGED (API 602) SOCKET-WELD GLOBE, CV 1 NEEDLE TRIM, NC) BEFORE OPENING.
 - BDV-183 BLOWS DOWN 1040 BETWEEN SDV-102 AND SDV-103. CKV-171 PREVENTS BLOWDOWN OF 1041 / 1042 THROUGH BDV-183, SO HV-172A / RO-172B (LOCKED CLOSED) BLOW DOWN THE OUTLET LATERAL AFTER CLOSING THE TAP VALVE. VENT LINES DOWNSTREAM OF THE ROS ARE SPEC S1. AFTER A HEATER-OUT UPSET, DO NOT OPEN BDV-183 UNTIL THE PIPE SKIN TEMPERATURE OF 1040 IS AT OR ABOVE 40 F (BLOWDOWN WOULD CHILL THE WALL BELOW -20 F; PRO-CAL-008).
 - IJ-102 IS AT THE SOIL-TO-AIR TRANSITION AT PLOT (220, 152.5). LINE 1042 IS ABOUT 96 FT BURIED PLUS THE RISER, 0.500 IN WT X52 PSL2 WITH 0.500 IN 3R RISER BENDS.
 - RECEIVES FLOW, PRESSURE, TEMPERATURE, ENERGY, QUALITY AND VALVE STATUS THROUGH THE DEMARCATION PANEL; REMOTE SHUTDOWN ENTERS AS HS-215 (HOLD H-14, H-01).
 - TC = 1/2 IN TEST CONNECTION FOR IN-SITU PT-172 VERIFICATION.



NOTES / REFERENCES
REF: PRO-DWG-100 SH 1-2 (LEGEND)
REF: INS-LST-004 (CAUSE AND EFFECT)
REF: GEN-DB-001 SECTIONS 2, 7, 8, 9, 14
REF:

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)			

PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO
COUNTY,
DISCIPLINE: PROCESS
SCALE: NTS

P&ID STATION OUTLET

OUTLET AND INTERCONNECT
DRAWN: _____ CHECKED: _____ APPROVED: _____
DWG NO.
PRO-DWG-108
SHEET 1 OF 1 REV A