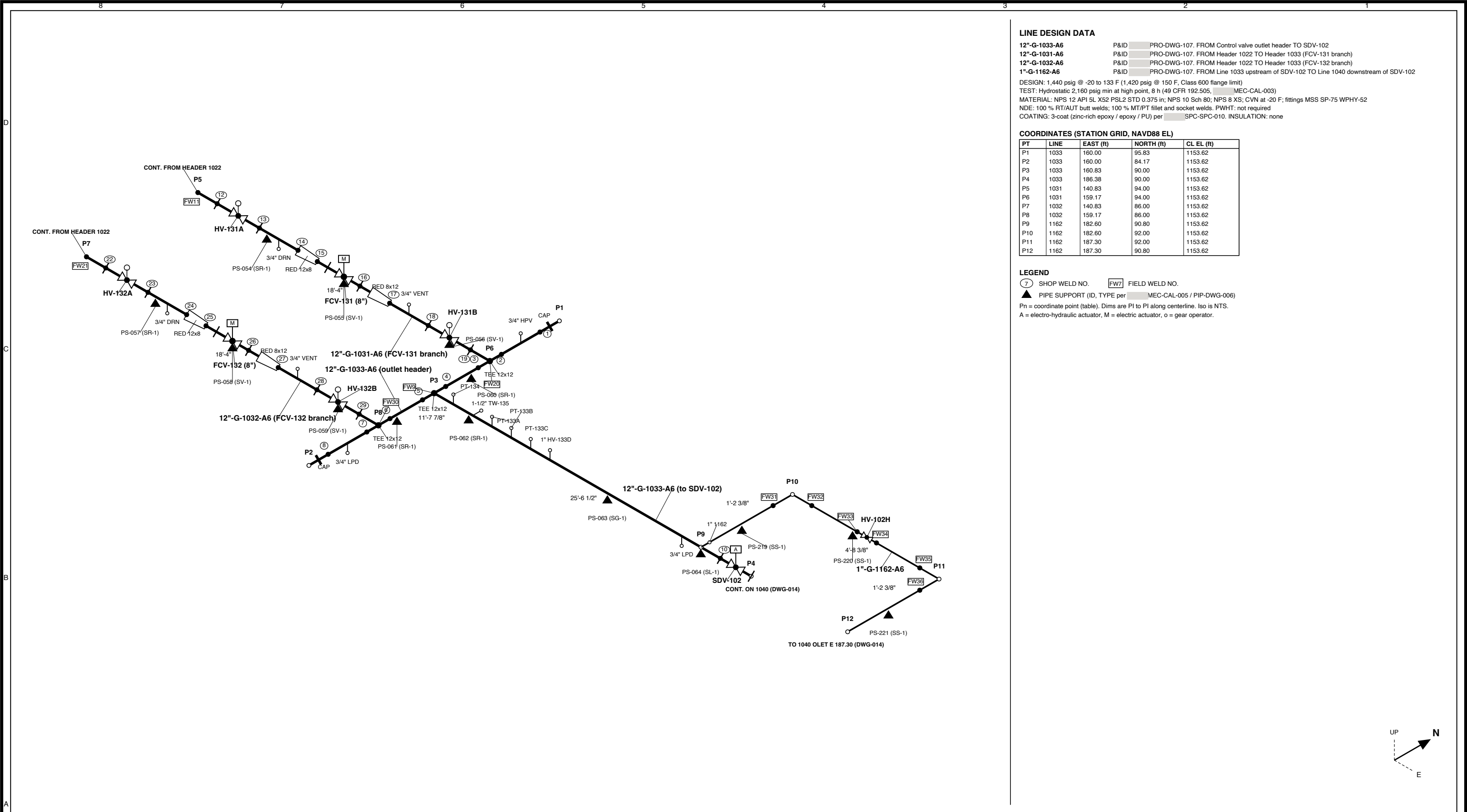




LINE DESIGN DATA

12"-G-1033-A6	P&ID	PRO-DWG-107. FROM Control valve outlet header TO SDV-102
12"-G-1031-A6	P&ID	PRO-DWG-107. FROM Header 1022 TO Header 1033 (FCV-131 branch)
12"-G-1032-A6	P&ID	PRO-DWG-107. FROM Header 1022 TO Header 1033 (FCV-132 branch)
1"-G-1162-A6	P&ID	PRO-DWG-107. FROM Line 1033 upstream of SDV-102 TO Line 1040 downstream of SDV-102

DESIGN: 1,440 psig @ -20 to 133 F (1,420 psig @ 150 F, Class 600 flange limit)
TEST: Hydrostatic 2,160 psig min at high point, 8 h (49 CFR 192.505, MEC-CAL-003)
MATERIAL: NPS 12 API 5L X52 PSL2 STD 0.375 in; NPS 10 Sch 80; NPS 8 XS; CVN at -20 F; fittings MSS SP-75 WPHY-52
NDE: 100 % RT/AUT butt welds; 100 % MT/PT fillet and socket welds. PWHT: not required
COATING: 3-coat (zinc-rich epoxy / epoxy / PU) per SPC-SPC-010. INSULATION: none

COORDINATES (STATION GRID, NAVD88 EL)

PT	LINE	EAST (ft)	NORTH (ft)	CL EL (ft)
P1	1033	160.00	95.83	1153.62
P2	1033	160.00	84.17	1153.62
P3	1033	160.83	90.00	1153.62
P4	1033	186.38	90.00	1153.62
P5	1031	140.83	94.00	1153.62
P6	1031	159.17	94.00	1153.62
P7	1032	140.83	86.00	1153.62
P8	1032	159.17	86.00	1153.62
P9	1162	182.60	90.80	1153.62
P10	1162	182.60	92.00	1153.62
P11	1162	187.30	92.00	1153.62
P12	1162	187.30	90.80	1153.62

LEGEND

7 SHOP WELD NO. FW7 FIELD WELD NO.
▲ PIPE SUPPORT (ID, TYPE per MEC-CAL-005 / PIP-DWG-006)
Pn = coordinate point (table). Dims are PI to PI along centerline. Iso is NTS.
A = electro-hydraulic actuator, M = electric actuator, o = gear operator.

NOTES / REFERENCES

- DIMENSIONS IN FEET-INCHES; COORDINATES IN FEET ON STATION GRID (MEC-DWG-001).
- CUT LENGTHS, WELD LIST AND BILL OF MATERIALS ON SHEET 2.
- FIELD-VERIFY ALL TIE-IN AND EQUIPMENT NOZZLE DIMENSIONS (VENDOR DATA HOLD H-15).
- BALL VALVES HALF OPEN DURING HYDROTEST; SEE MEC-CAL-003 FOR TEST LIMITS.
- FLANGE BOLT TORQUE PER MEC-CAL-006. GASKETS SPIRAL-WOUND 316/GRAPHITE.
- SUPPORTS AND LOADS PER MEC-CAL-005; DETAILS PIP-DWG-006.

REF: PIP-DWG-001 GA
REF: PIP-SPC-001 (A6)

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: PIPING
SCALE: NTS

ISOMETRIC LINES 1031 / 1032 / 1033
FCV BRANCHES AND CV OUTLET HEADER

DRAWN: ____ CHECKED: ____ APPROVED: ____

DWG NO.
PIP-DWG-013

SHEET 1 OF 2 REV A