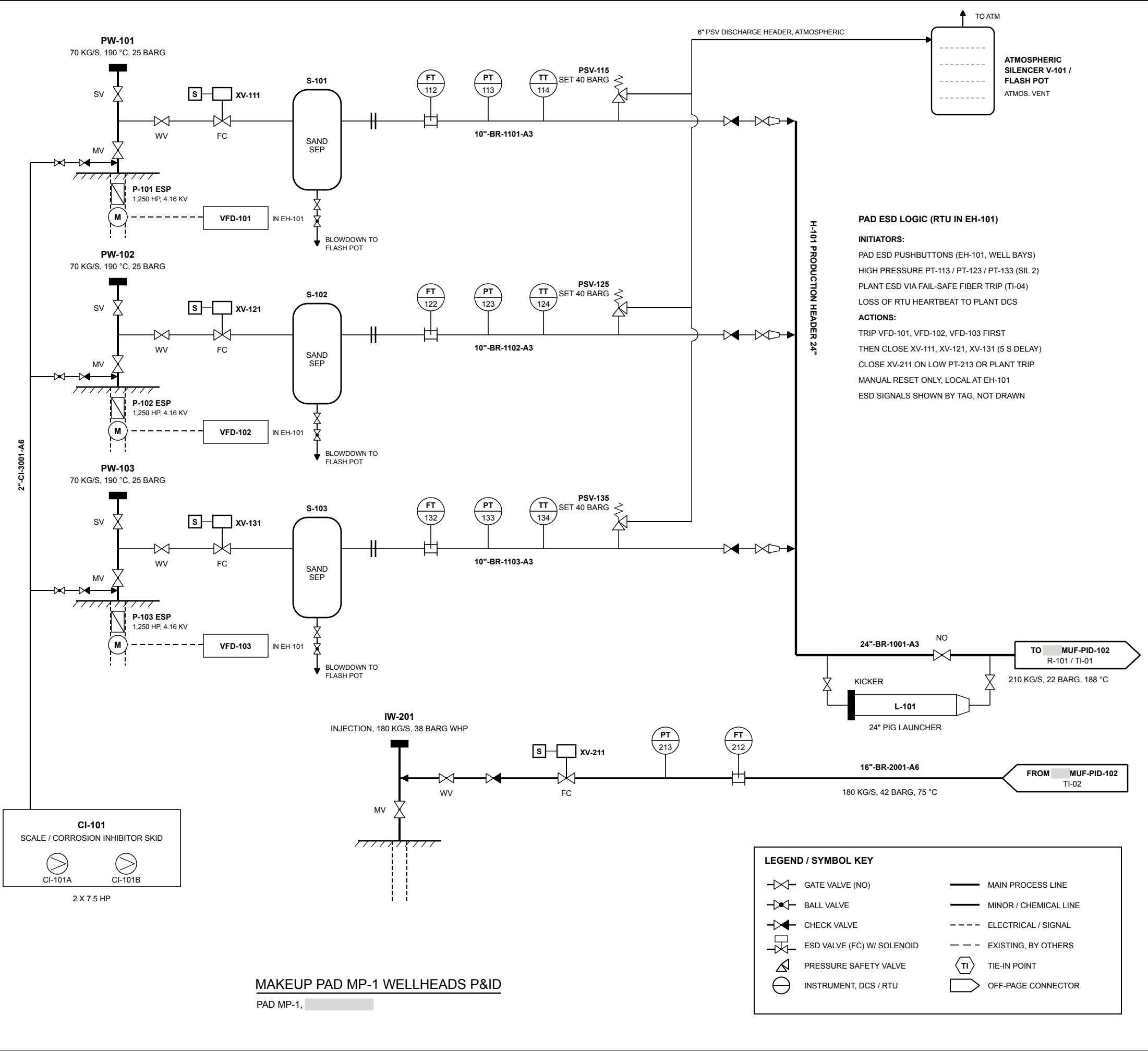




GENERAL NOTES

1.

ALL PIPING TO ASME B31.1. LINE CLASS A3 = ASME 300#, A106 GR B, 3 MM CA. LINE CLASS A6 = ASME 600#.

2.

PRODUCTION LINES 10"-BR-1101/1102/1103-A3: DESIGN 40 BARG / 230 °C, OPERATING 25 BARG / 190 °C.

3.

PSV-115/125/135 SET 40 BARG FOR THERMAL AND FIRE CASES, TO SILENCER V-101. ESP DEADHEAD IS PREVENTED BY SIL 2 VFD TRIP ON HIGH PRESSURE AHEAD OF XV CLOSURE. REMOVE OR BLIND PSVS FOR HYDROTEST.

4.

XV-111, XV-121, XV-131 AND XV-211 ARE FAIL CLOSED, SPRING RETURN, WITH DE-ENERGIZE TO TRIP SOLENOIDS.

5.

DOWNHOLE ESP P-101/102/103 POWERED BY 4.16 KV ESP CABLE FROM VFD-101/102/103 IN EH-101. SEE MUF-E-001.

6.

INHIBITOR FROM CI-101 INJECTED VIA DOWNHOLE CAPILLARY BELOW EACH ESP INTAKE, WITH CHECK VALVE AND DOUBLE BLOCK AT WELLHEAD. DOSING BY VENDOR.

REFERENCE DRAWINGS

MUF-PFD-001

PROCESS FLOW DIAGRAM AND HEAT AND MATERIAL BALANCE

MUF-PID-102

P&ID BRINE PIPELINES AND PLANT TIE-INS

MUF-E-001

ELECTRICAL ONE-LINE DIAGRAM

MUF-SCH-001

LINE LIST AND TIE-IN SCHEDULE

MUF-SCH-002

EQUIPMENT LIST AND ELECTRICAL LOAD LIST

CLIENT

PROJECT

COUNTY,

PRELIMINARY - NOT FOR CONSTRUCTION

REVISIONS

REV	DATE	DESCRIPTION
A	2026-10-02	ISSUED FOR REVIEW

DESIGNED

[ENGINEER NAME]

DRAWN

[ENGINEER NAME]

CHECKED

APPROVED

DATE

2026-10-02

SCALE: NTS

PROCESS

P&ID MAKEUP PAD MP-1 WELLHEADS AND PRODUCTION HEADER

MUF-PID-101