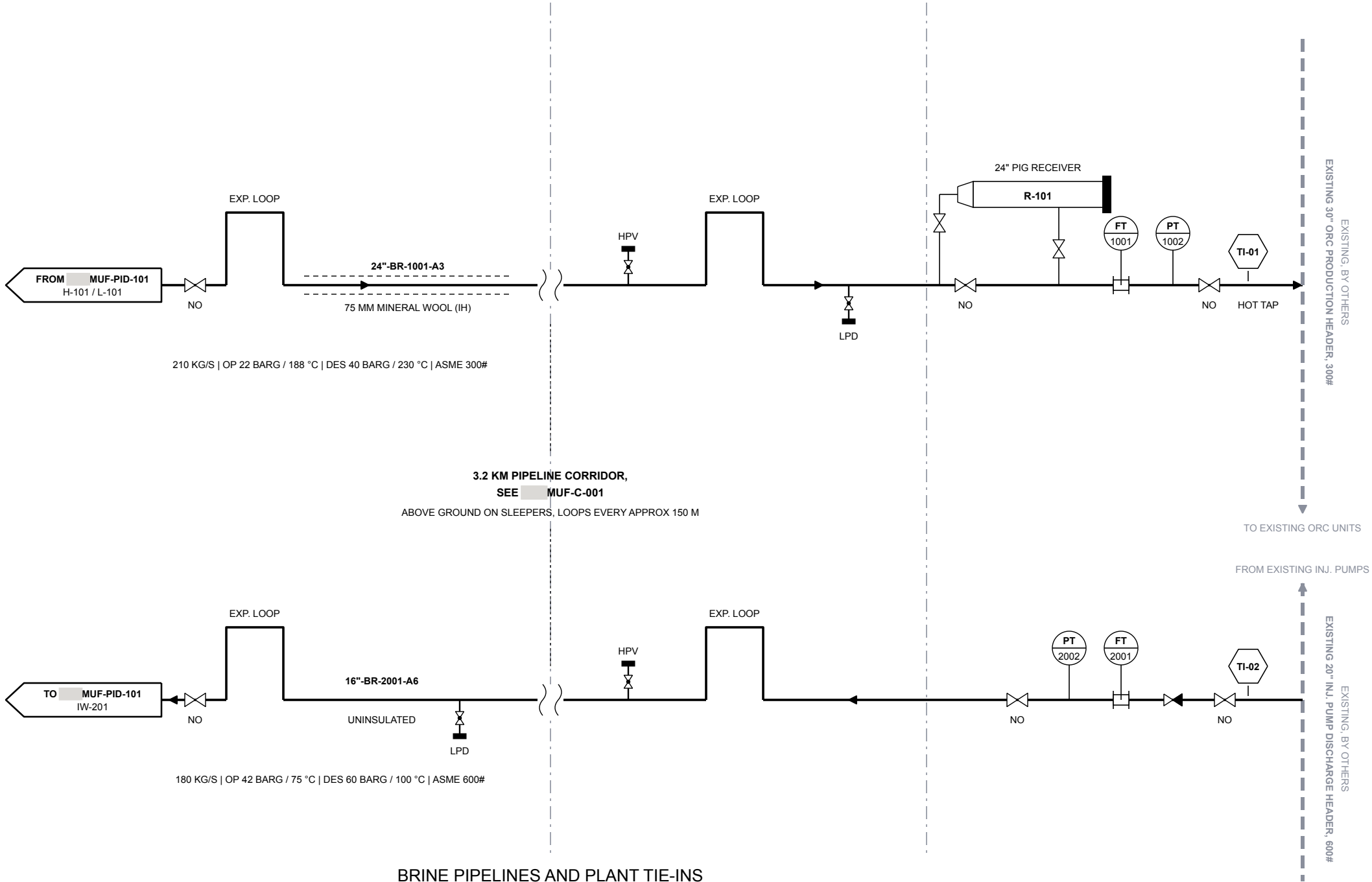


MAKEUP PAD MP-1 END

PIPELINE CORRIDOR

PLANT END



BRINE PIPELINES AND PLANT TIE-INS

PAD MP-1 TO PLANT

LINE DATA						
LINE NO.	FROM	TO	OP P / T	DESIGN P / T	CLASS	INSUL.
24"-BR-1001-A3	H-101	TI-01	22 BARG / 188 °C	40 BARG / 230 °C	300#	75 MM MW
16"-BR-2001-A6	TI-02	IW-201	42 BARG / 75 °C	60 BARG / 100 °C	600#	NONE

MATERIAL A106 GR B, 3 MM CA, ASME B31.1. FULL LINE LIST ON MUF-SCH-001.

LEGEND / SYMBOL KEY

	GATE VALVE (NO)		ELECTRICAL / SIGNAL
	BALL VALVE		EXISTING, BY OTHERS
	CHECK VALVE		TIE-IN POINT
	ESD VALVE (FC) W/ SOLENOID		OFF-PAGE CONNECTOR
	PRESSURE SAFETY VALVE		INSULATION, HOT
	INSTRUMENT, DCS / RTU		PIPELINE BREAK
	MAIN PROCESS LINE		FLOW ELEMENT
	MINOR / CHEMICAL LINE		

GENERAL NOTES

- PIPELINES RUN ABOVE GROUND ON SLEEPERS ALONG THE 3.2 KM CORRIDOR. EXPANSION LOOPS AT APPROX. 150 M SPACING, SEE MUF-C-001.
- HIGH POINT VENTS (HPV) AND LOW POINT DRAINS (LPD) SHOWN TYPICAL. FINAL LOCATIONS SET BY PIPELINE PROFILE.
- TI-01 IS A HOT TAP ON THE EXISTING 30" ORC PRODUCTION HEADER. HOT TAP PROCEDURE BY OWNER, NO ORC OUTAGE PLANNED (CONTINGENCY PLAN BY PLANT OPERATIONS).
- TI-02 IS A HOT TAP ON THE EXISTING 20" INJECTION PUMP DISCHARGE HEADER. THERMAL RELIEF ON EACH ISOLABLE PIPELINE SECTION AT DETAILED DESIGN. 30 KG/S CONTINUES TO EXISTING PLANT INJECTORS.
- FT-1001 AND FT-2001 ARE INLINE ULTRASONIC FLOW METERS (ALLOCATION GRADE), WIRED TO PLANT DCS.
- EXISTING EQUIPMENT SHOWN DASHED GREY FOR REFERENCE ONLY. FIELD VERIFY BEFORE FABRICATION.

REFERENCE DRAWINGS

- MUF-C-001 OVERALL SITE PLAN AND PIPELINE CORRIDOR
- MUF-PFD-001 PROCESS FLOW DIAGRAM AND HEAT AND MATERIAL BALANCE
- MUF-PID-101 P&ID MAKEUP PAD MP-1 WELLHEADS AND PRODUCTION HEADER
- MUF-SCH-001 LINE LIST AND TIE-IN SCHEDULE

CLIENT



PROJECT

[REDACTED]
[REDACTED]
[REDACTED] COUNTY, [REDACTED]

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 BRINE PIPELINES AND
PLANT TIE-INS

MUF-PID-102