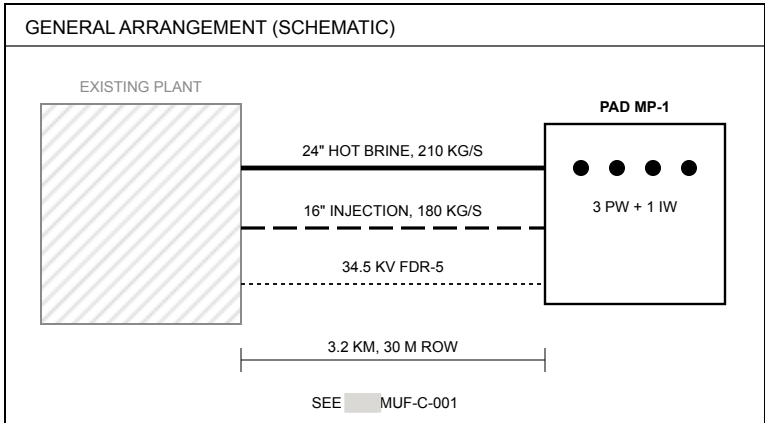
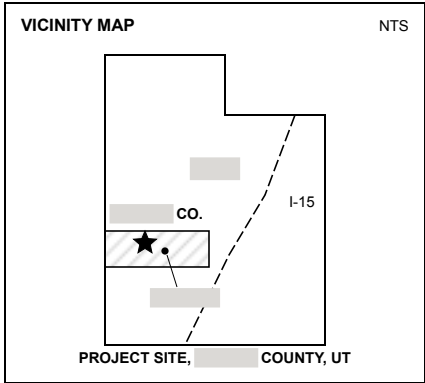


PROJECT SITE, COUNTY, UT

CLIENT: ENERGY
ISSUED FOR REVIEW, REV A, 2026-10-02

DRAWING INDEX		
DWG NO.	TITLE	REV
MUF-G-001	COVER SHEET AND DRAWING INDEX	A
MUF-C-001	OVERALL SITE PLAN AND PIPELINE CORRIDOR	A
MUF-PFD-001	PROCESS FLOW DIAGRAM AND HEAT AND MATERIAL BALANCE	A
MUF-PID-101	P&ID MAKEUP PAD MP-1 WELLHEADS AND PRODUCTION HEADER	A
MUF-PID-102	P&ID BRINE PIPELINES AND PLANT TIE-INS	A
MUF-E-001	ELECTRICAL ONE-LINE DIAGRAM	A
MUF-SCH-001	LINE LIST AND TIE-IN SCHEDULE	A
MUF-SCH-002	EQUIPMENT LIST AND ELECTRICAL LOAD LIST	A



PROJECT SUMMARY	
PURPOSE	RESTORE ORC BRINE FLOW LOST TO RESERVOIR DECLINE
PRODUCTION	3 WELLS (PW-101/102/103) X 70 KG/S AT 190 °C, 210 KG/S TOTAL
INJECTION	1 WELL (IW-201), 180 KG/S AT 75 °C
PIPELINES	3.2 KM 24" HOT BRINE AND 16" INJECTION, ABOVE GROUND
POWER	34.5 KV OVERHEAD FEEDER FDR-5 FROM PLANT BUS B
PAD SUBSTATION	T-101 34.5/4.16 KV, 5/6.25 MVA ONAN/ONAF
PAD LOAD	APPROX 3.5 MW (3.36 MW ESP INPUT + 0.15 MW AUXILIARY)

ABBREVIATIONS									
AB	AIR-BREAK SWITCH	EH	ELECTRICAL HOUSE	MCC	MOTOR CONTROL CENTER	ORC	ORGANIC RANKINE CYCLE	SWGR	SWITCHGEAR
ACSR	AL CONDUCTOR STEEL REINF.	ESD	EMERGENCY SHUTDOWN	MV	MASTER VALVE	PSV	PRESSURE SAFETY VALVE	TI	TIE-IN
BR	BRINE	ESP	ELECTRIC SUBMERSIBLE PUMP	MWt	MEGAWATT THERMAL	PT	PRESSURE TRANSMITTER	TT	TEMPERATURE TRANSMITTER
CA	CORROSION ALLOWANCE	FC	FAIL CLOSED	MWe	MEGAWATT ELECTRIC	PW	PRODUCTION WELL	VFD	VARIABLE FREQUENCY DRIVE
CH	CHAINAGE	FDR	FEEDER	NC / NO	NORMALLY CLOSED / OPEN	ROW	RIGHT OF WAY	WV	WING VALVE
CI	CHEMICAL INJECTION	FT	FLOW TRANSMITTER	NGR	NEUTRAL GROUNDING RESISTOR	RTU	REMOTE TERMINAL UNIT	XV	SHUTDOWN VALVE
CP	CATHODIC PROTECTION	HPV	HIGH POINT VENT	NPS	NOMINAL PIPE SIZE	SIL	SAFETY INTEGRITY LEVEL		
CT	CURRENT TRANSFORMER	IW	INJECTION WELL	NTS	NOT TO SCALE	SM	SINGLE MODE (FIBER)		
DCS	DISTRIBUTED CONTROL SYSTEM	LPD	LOW POINT DRAIN	OHL	OVERHEAD LINE	SV	SWAB VALVE		

GENERAL NOTES

- ALL VALUES ARE PRELIMINARY AND SUBJECT TO DETAILED DESIGN.
- UNITS: SI PRIMARY (BARG, °C, KG/S). PIPE SIZES IN NPS (INCHES).
- EXISTING FACILITIES SHOWN FOR REFERENCE ONLY, BY OTHERS.
- PROCESS BASIS PER MUF-PFD-001. ELECTRICAL BASIS PER MUF-E-001 AND MUF-SCH-002.
- PIPING TO ASME B31.1. ELECTRICAL TO NFPA 70, IEEE C2 (NEC) FOR THE OVERHEAD FEEDER, IEEE C57.12.00 AND IEEE 519 (HARMONICS). GROUNDING TO IEEE 80.



PROJECT
COUNTY, UT

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

GENERAL

COVER SHEET AND DRAWING INDEX

MUF-G-001