

F-500/510
BASKET STRAINER
MANUFACTURE: TITAN
MODEL: BS-85-SS
SIZE: 8" 150#RF

1/4" PERF. BASKET
MAWP: 285 PSIG @ 100°F

P-500/510
CHARGE PUMP
FLOWERVE DURCO 2K6x4-10RV M3 ST
6" 150# FF SUCTION, 4" 150# FF DISCHARGE
W/ 30HP, 1800 RPM, CLASS I DIV 2. 286T FRAME

RATED: (EACH PUMP) 583 GPM @ 50 PSI
NPSHr OF 3.6FT

F-600/610
FILTER VESSEL
FILTRAFINE
8MSB2-316-8FDA-NC150, SS
(8) BAG
8" 150# RF INLET/OUTLET

P-700/710
INJECTION PUMP
REDA HPS 862 MODEL M520-A 31 STAGE
HORIZ. MULTISTAGE CENT. PUMP
8" 150# RF SUCTION
4" 1500# RF DISCHARGE
W/ 800HP, 3600 RPM, 460/3/60, TEFC,
1.20SG, VFD RATED, NXR5810 FRAME

COS: 20,000 BPD @ 1500 PSIG MAX

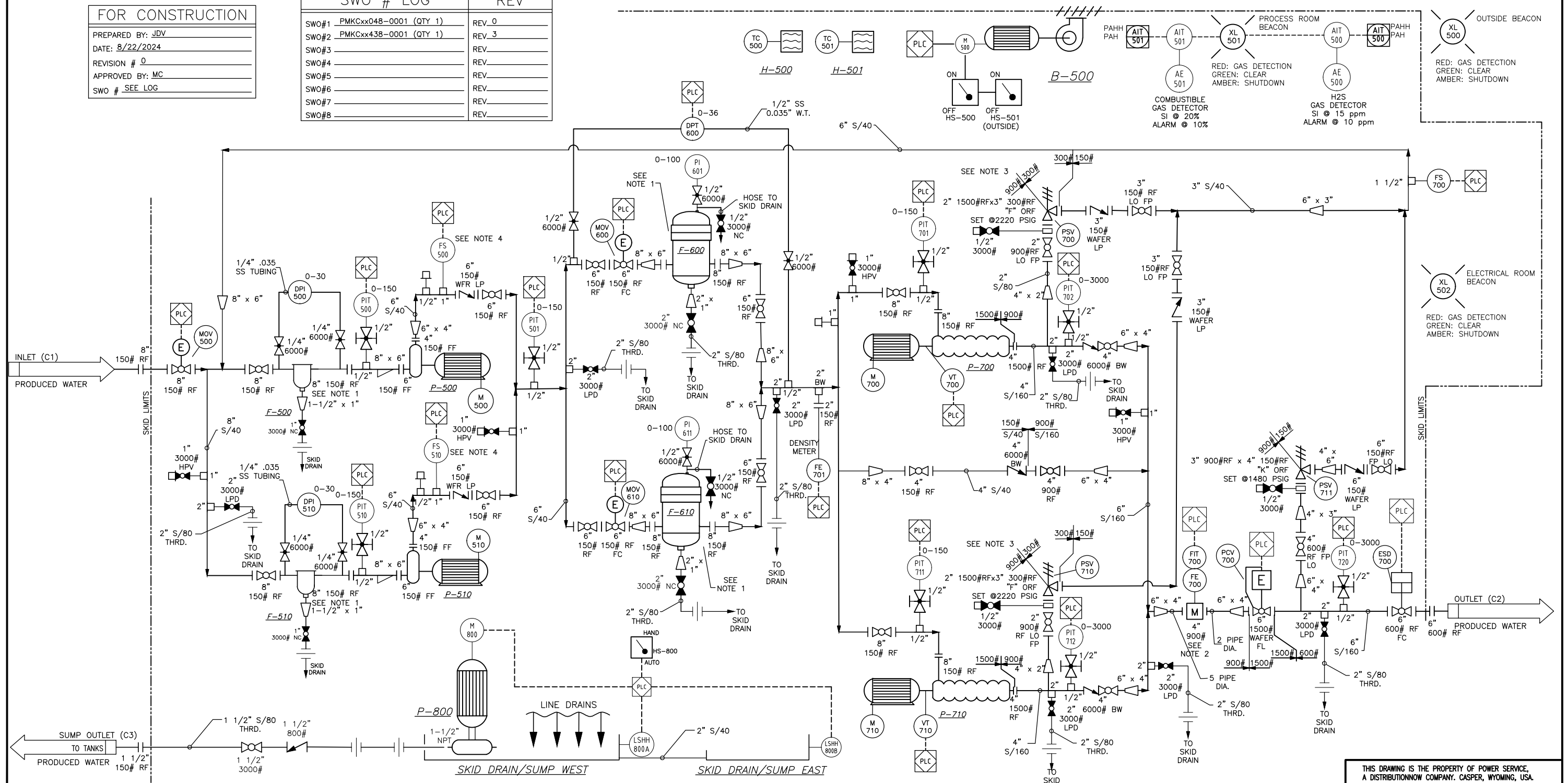
P-800
SUMP PROGRESSIVE CAVITY PUMP
ZOELLER PUMP, MODEL #MX161
1-1/2" FNPT DISCHARGE
W/ 1/2 HP, 3450 RPM, 115/1/60
XP MOTOR

B-500
EXHAUST FAN
MANUFACTURE: CANARM
MOD: SD12-XP
SIZE: 12" 115-230/1/60, 1/3 HP

H-500/501
HEATER
MANUFACTURE: CCI THERMAL
RUFFNECK
MOD: FORCED AIR STYLE
FX5-480360-150-WTD
SIZE: 15 kW 480/3/60

FOR CONSTRUCTION	
PREPARED BY: JDV	
DATE: 8/22/2024	
REVISION # 0	
APPROVED BY: MC	
SWO # SEE LOG	

SWO #	LOG	REV
SWO#1	PMKCxx048-0001 (QTY 1)	REV_0
SWO#2	PMKCxx438-0001 (QTY 1)	REV_3
SWO#3		REV
SWO#4		REV
SWO#5		REV
SWO#6		REV
SWO#7		REV
SWO#8		REV



GENERAL NOTES:
1. INSULATION KITS FOR SS VALVES & EQUIPMENT IN CS PROCESS
2. RING GASKETS INSTALLED FOR FLOW METER TO PREVENT LEAKS
3. PSV 1500# FLANGE. 900# & 1500# ARE SAME DIMENSIONS TO MATE TOGETHER
4. FLOW SWITCH TO BE INSTALLED WITH (5) UNOBSTRUCTED PIPE DIAMETERS UPSTREAM

NOTICE: This drawing has not been published but rather has been prepared for
MARATHON OIL
by Power Service solely in respect of the construction, operation, and maintenance of the facility named in the title block and shall not be used for any other purpose or furnished to any other party, without the express written consent of Power Service.

NO.	DATE	BY	DESCRIPTION	CHK'D	APPR.	DWG NO.	TITLE
3	08/22/24	JDV	FOR CONSTRUCTION	CLC	MC		
2	07/03/24	JDV	FOR APPROVAL	CLC	MC		
1	10/05/23	JDV	UPDATED FOR CONSTRUCTION	CLC	MC		
0	4/12/23	JDV	FOR CONSTRUCTION	CLC	MC		
A	11/10/22	CLC	FOR APPROVAL	CLC	MC	MARA-INJ-LO-6	GENERAL ARRANGEMENT
REVISIONS				REFERENCE DRAWINGS			



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CUSTOMER **MARATHON OIL**

PROCESS & INSTRUMENTATION DIAGRAM
40,000 BPD SALT WATER DISPOSAL
FLUID: PROD. WATER 1.2 SG
VOLUME: 40,000 BPD (20,000 PER PUMP)
@ 1500 PSIG MAX

SHEET: 1 OF 1	PROJECT NO. SEE LOG	DWG. NO. MARA-INJ-PID-6	REV. 3
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