



- NOTES:**
1. FOR SSWS PUMP BP502 STOP LOGIC SEE SHT. 5 OF THIS DNG.
 2. POWER TO THE OUTPUT DRIVER CONTACTS FOR THE BRKR CLOSE CIRCUIT IS SUPPLIED BY WIRE NO. P3 AS SHOWN ON SHT. 5.
 3. SWITCH CONTACTS OPEN ON LOW PUMP FLOW.
 4. DELETED
 5. APPLICABLE TO DP502 ONLY.
 6. RESETS FOLLOWING COMPLETION OF SEQUENCING.

HS-2219B-1

OVL'D PWR FAIL (R)	LOW LUBE WTR PRESS (R)	PAL-2224B SEE SHT. 5
INOP (R)	LD PUMP FLOW (R)	PDAL-2195B SEE SHT. 5
REMOTE (R)	PROTECTIVE INTERLOCK IN TEST (R)	
MAN (R)		
AUTO (Y)		
BP502 START (R)	B AND D PUMP RM FLOODED (R)	LAH-2372A 1-25-0 SHT. 4
STOP (G)	RSP TKOVR (R)	SEE J-103 SH. 2 CONTROL CONSOLE C-651A
MOMENTARY	MOMENTARY	

CROSS REFERENCE TABLE

LOOP	SSWS PUMP	CONTROL RM	RCP	RSP	PROCESS START INHIBIT (NOTE 6)	SEQUENCER START	DIFF PRESS SWITCH REPEAT RELAY	PRESS SWITCH REPEAT RELAY	LOGIC CAB	TC	RCP	RSP	CC	SWGR NO.	BRKR NO.	CLASS 1E CHANNEL	CIRCUIT NO.	STRAINER/BACKWASH V.	PUMP DISCH VALVE	BUS POWER FAIL	SEQUENCER PNL	SACS HX OUTLET VLV
A	BP502	HS-2219B1	HS-2219B2	HS-2219B3	HS-2219B4	J-103-0 SHT. 2	XPDSL-2195B	XPDSL-2224B	BC-652	BC-657	BC-656	C399	C651	A402	52-40209	B	2	BF-501/HV-2197F	HV-2198B	J-102-0 SHT. 3	DC-42B	HV-2211E
B	DP502	HS-2219C1	HS-2219C2	HS-2219C3	HS-2219C4	J-105-0 SHT. 5	XPDSL-2195D	XPDSL-2224D	DC-652	DC-657	DC-656	C399	C651	A404	52-40409	D	4	BF-504/HV-2197D	HV-2198D	J-106-0 SHT. 5	DC-42B	HV-2255B

FUNCTION	VALVE	TEST POSITION	ALARM	WTR PRESS	SACS LOOP	SSWS LOW FLOW INTAKE	SSWS PMP TRANSFER	B AND D PUMP RM FLOODED	LVL 2/RB HI RAD	COMP T/O CAB	EDMR I/O NO.	PROTECTIVE INTERLOCK IN TEST	LO LUBE WTR PRESS
PUMP RUNNING	HV-2197D	ALARM TEST DEVICE IN TEST POSITION	LOW FLOW ALARM	LOW LUBE WTR PRESS ALARM	SACS LOOP A FLOW SW	SSWS LOW FLOW INTAKE STRUCT SPLY FAN INTLK	B AND D PUMP RM FLOODED	LVL 2/RB HI RAD	COMP T/O CAB	EDMR I/O NO.	PROTECTIVE INTERLOCK IN TEST	LO LUBE WTR PRESS	
BP502 RUNNING	HV-7017B	ALARM TEST DEVICE IN TEST POSITION	LOW FLOW ALARM	LOW LUBE WTR PRESS ALARM	SACS LOOP A FLOW SW	SSWS LOW FLOW INTAKE STRUCT SPLY FAN INTLK	B AND D PUMP RM FLOODED	LVL 2/RB HI RAD	COMP T/O CAB	EDMR I/O NO.	PROTECTIVE INTERLOCK IN TEST	LO LUBE WTR PRESS	
DP502 RUNNING	HV-7317D	ALARM TEST DEVICE IN TEST POSITION	LOW FLOW ALARM	LOW LUBE WTR PRESS ALARM	SACS LOOP A FLOW SW	SSWS LOW FLOW INTAKE STRUCT SPLY FAN INTLK	B AND D PUMP RM FLOODED	LVL 2/RB HI RAD	COMP T/O CAB	EDMR I/O NO.	PROTECTIVE INTERLOCK IN TEST	LO LUBE WTR PRESS	

NO.	DATE	REVISIONS	BY	CHKD	DESIGN	ENGR	INSP	APPR
1	4/1/77	REVISED AS NOTED	JL	APU	WJ	WJ	WJ	WJ
2	7/1/77	REVISED AS NOTED	JL	APU	WJ	WJ	WJ	WJ
3	11/1/77	REVISED AS NOTED	JL	APU	WJ	WJ	WJ	WJ
4	11/1/77	REVISED AS NOTED	JL	APU	WJ	WJ	WJ	WJ
5	11/1/77	ISSUED FOR CONSTRUCTION	JL	APU	WJ	WJ	WJ	WJ

DESIGNED PWJW **DRAWN FAT**

BECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

LOGIC DIAGRAM
STATION SERVICE WATER SYSTEM
SSWS PUMPS BP502 & DP502 START

JOB No.	DRAWING No.	REV.
10855	J-10-0 SHT. 4	7 Q

S/U - EA

RIDS

83072506/5

