



- NOTES:
1. ** - INDICATES THESE ARE LOCALLY OPERATED BREAKERS.
 2. ○ - INDICATES METERING IN THE ESP POWER SYSTEM WHICH IS "NSR", CIRCUITS TO THIS METERING, FROM THE NEAREST PROTECTIVE DEVICE, WILL BE RUN AS ASSOCIATED (XA OR XB).
 3. △ - INDICATES VENDOR METERING AND RELAYING IN THE ESP POWER SYSTEM WHICH IS "NSR". WIRING TO THIS EQUIPMENT, FROM THE NEAREST PROTECTIVE DEVICE, IS CLASSIFIED AS ASSOCIATED (XA OR XB).
 4. NOT USED.
 5. SERVICE WATER PUMP SPEED CHANGE SWITCHES ARE LOCKED IN HIGH SPEED OPERATING POSITION PERMANENTLY.
 6. A CURRENT TRANSFORMER (CT) NOTED WITH "2 SEC." HAS TWO SECONDARY WINDINGS.
 7. △ THIS RELAY IS WIRED NSR (IE) TO ITS COIL, BUT THE CONTROL CIRCUIT CONTACTS ARE WIRED ASSOCIATED. THIS RELAY SERVES NO SAFETY FUNCTION.
 8. ○ THIS RELAY IS WIRED ASSOCIATED FROM THE NEAREST PROTECTIVE DEVICE TO ITS COIL AND THE CONTROL CIRCUIT CONTACTS ARE WIRED NSR (IE), BUT SERVE NO SAFETY FUNCTION.
 9. VOLTAGE REGULATOR (XTRF) NEUTRAL IS RESISTANCE GROUNDED THROUGH EXISTING XTF4 RESISTOR.
 10. TRANSFORMER VOLTAGES SHOWN ARE NOMINAL. THE ACTUAL TAPS USED ARE: 11700V AND 5 TAP 3 DISK/1/2 KV.
 11. PROVIDES RELAY FUNCTION 32, 51, 5N AND 67.
 12. PROVIDES RELAY FUNCTION 87B.
 13. PROVIDES RELAY FUNCTION 87S02.
 14. FIBER OPTIC NETWORK FOR SEL RELAYS PROVIDES ZONE INTERLOCK COMMUNICATION.
 15. PROVIDES RELAY FUNCTION 32.
 16. RELAY 1323-SEL35S IN BREAKER 1323 LOCATED AT PARR HYDRO STATION WILL SEND AND RECEIVE A TRIP SIGNAL TO AND FROM RELAY XSWDX-03-SEL35S LOCATED IN XSWDX-03 AT VCSNS.

REFERENCES:
E-206-001 ONE LINE AND RELAY DIAGRAM - NOTES, LEGEND, AND REFERENCES.

PENDING/HOLD CHG
Use with reference to
ECR: 50757
DATE: 8-9-11
INITIALS: TME

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

FSAR Figure 8.2-4
SOUTH OREGON ELECTRIC & GAS COMPANY
VIRGE C. SUMNER NUCLEAR STATION
ELECTRICAL
ONE LINE AND RELAY DIAGRAM

NO.	DATE	BY	REVISION	CHK.	APP.
30	8/14/11	JWR	REVISED PER ECR-50800	WGR	EM
29	8/14/11	JTS	REVISED PER ECR-50555	RHM	SC
14	8/14/11	CMS	REVISED PER ECR-50884	CHK	CRG
33	8/14/11	JTS	REVISED PER ECR-50915	RHM	NY
32	8/14/11	JWR	REVISED PER ECR-50915	AMK	NY
31	8/14/11	JTS	REVISED PER ECR-50800	MSR	RTK

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