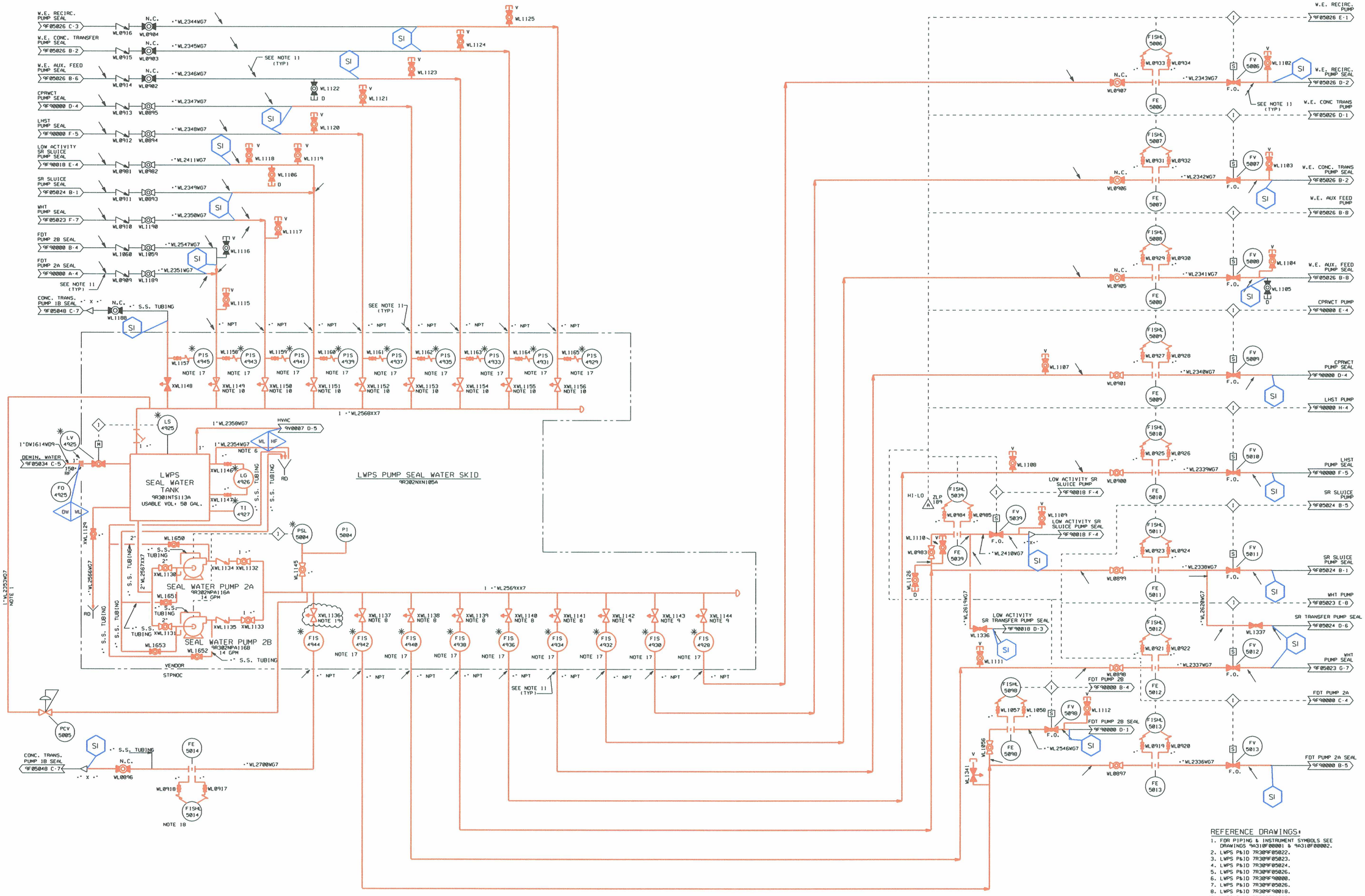

NOTES:

1. DELETED.
2. DELETED.
3. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR 'WL' AND SEPARATION GROUP 'N'.
4. ALL INSTRUMENTS ON THIS DRAWING ARE PREFIXED BY THE UNIT NO. 2. SEE GENERAL NOTE D ON 9A310F00002.
5. DELETED.
6. TOP OF LOOP TO BE 1' BELOW TOP OF TANK.
7. DELETED.
8. XWL 1137, 1138, 1139, 1140 OR 1141 NEEDS TO BE THROTTLED TO PROVIDE 1 GPM SEAL WATER TO EACH DESIGNATED LWPS PUMP.
9. XWL 1142, 1143 & 1144 NEEDS TO BE THROTTLED TO PROVIDE 2.5 GPM SEAL WATER TO EACH DESIGNATED LWPS PUMP.
10. XWL1148 THROUGH XWL1156 NEEDS TO BE THROTTLED TO CONTROL SEAL WATER BACK PRESSURE AS REQUIRED FOR EACH DESIGNATED PUMP.
11. THE SYSTEM CHANGE ARROW IS USED TO INDICATE ON THIS DRAWING, A PIPE TO TUBING CONNECTION UNLESS OTHERWISE INDICATED.
12. ALL TUBING SHALL BE .' X .065' STAINLESS STEEL UNLESS OTHERWISE INDICATED.
13. DELETED.
14. DELETED.
15. DELETED.
16. THIS DRAWING IS SHEET 8 OF 12 OF THE LWPS P&ID SET SEE REFERENCES 2 THROUGH 12 FOR OTHER LWPS P&ID SET DRAWINGS.
17. THE SWITCH FUNCTIONS ON THESE INSTRUMENTS HAVE BEEN DELETED.
18. FLOW MEASUREMENT DEVICE FISHL-5014 SPARED IN PLACE
19. XWL 1136 IS a THROTTLED VALVE.

REFERENCE DRAWINGS:

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 & 9A310F00002.
2. LWPS P&ID 7R309F05022.
3. LWPS P&ID 7R309F05023.
4. LWPS P&ID 7R309F05024.
5. LWPS P&ID 7R309F05026.
6. LWPS P&ID 7R309F90008.
7. LWPS P&ID 7R309F05026.
8. LWPS P&ID 7R309F90010.
9. LWPS P&ID 7R309F90020.
10. LWPS P&ID 7R309F90021.
11. LWPS P&ID 7R309F90022.
12. LWPS P&ID 5R309F05027.
13. VENDOR DRAWING 0370-00008AXX.
14. VENDOR DRAWING 0370-00005-BXX, 0370-00006-BXX.

D307

LR BOUNDARY DRAWING NO.	REV.
LR-STP-WL-7R309F90017#2	0

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
14		REVISED PER CR # 04-4522-1.	JSH				
13	6-24-03	INCORP. DCN 0301043.	VJM	ON FILE			
12	10-31-00	INCORP. DCN 0003621	JGL	ON FILE			
0-11	7-12-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE.				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM
LWPS PUMP SEAL WATER SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA717.141	D070928		NONE	7R309F90017#2	-	14

ESSEED.DCN