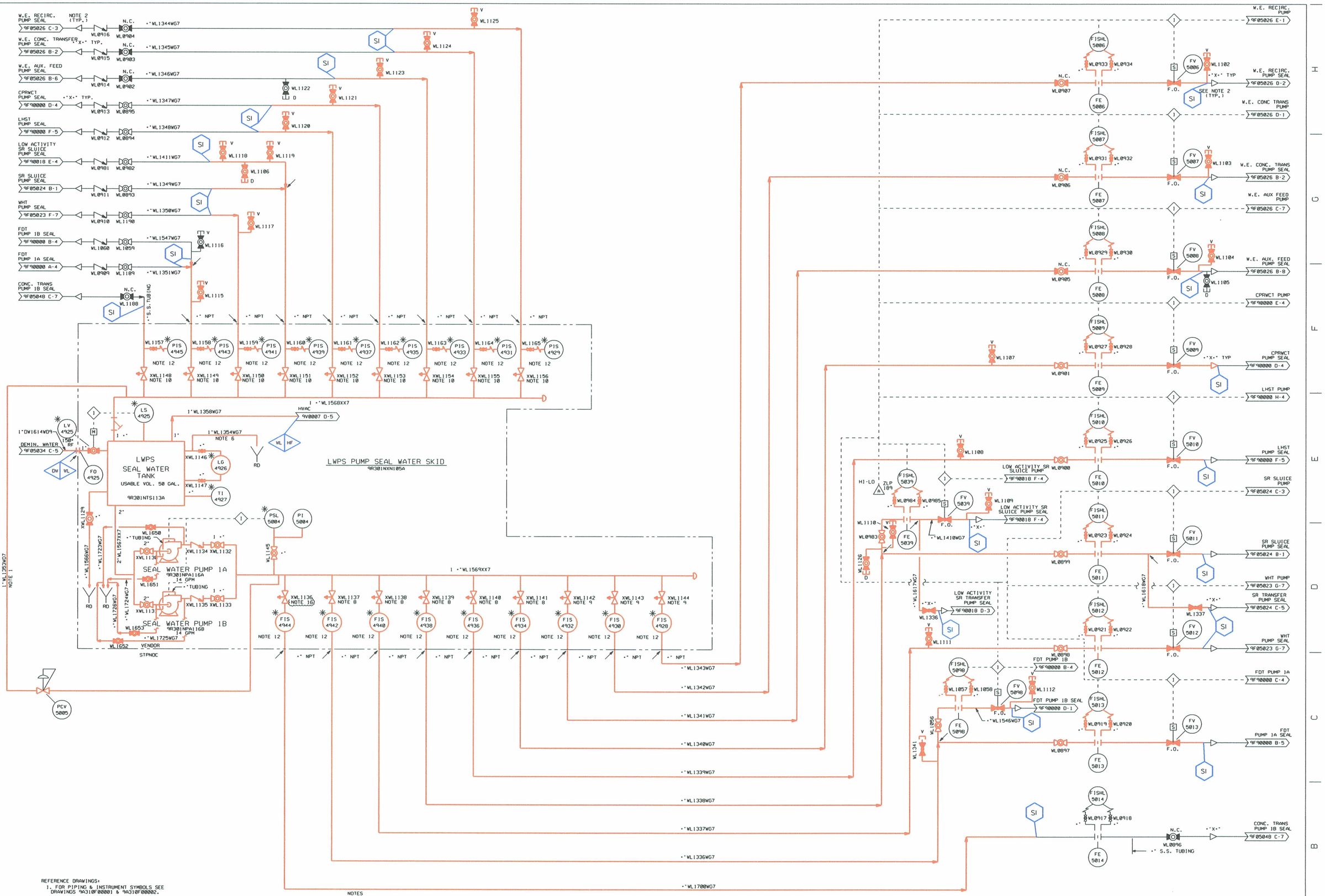

REFERENCE DRAWINGS:
1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 & 9A310F00002.
2. LWPS P&ID 7R309F05022.
3. LWPS P&ID 7R309F05023.
4. LWPS P&ID 7R309F05024.
5. LWPS P&ID 7R309F05026.
6. LWPS P&ID 7R309F90000.
7. LWPS P&ID 7R309F90001.
8. LWPS P&ID 7R309F90018.
9. LWPS P&ID 7R309F90020.
10. LWPS P&ID 7R309F90021.
11. LWPS P&ID 7R309F90022.
12. LWPS P&ID 5R309F05027
13. VENDOR DRAWING 0370-00005-BXX, 0370-00006-BXX

NOTES
1. OVERFLOW LINE *1"WL1354WG7. PRESSURE RELIEF LINE *1"WL1353WG7. VENT LINE *1"WL1358WG7 SUPPLIED BY BECHTEL.
2. REDUCERS AT PUMP SEAL
3. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "WL" AND SEPERATION GROUP "N".
4. ALL INSTRUMENTS ON THIS DRAWING ARE PREFIXED BY THE UNIT NO. 1. SEE GENERAL NOTES 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. DELETED
12. THE SWITCH FUNCTIONS ON THESE INSTRUMENTS HAVE BEEN DELETED.
13. DELETED
14. DELETED
15. THIS DRAWING IS SHEET 7 OF 12 OF THE LWPS P&ID SET SEE REFERENCES 2 THROUGH 12 FOR OTHER LWPS P&ID SET DRAWINGS.
16. XWL 1136 IS A THROTTLED VALVE.

D306

LR BOUNDARY DRAWING	REV
LR-STP-WL-7R309F90017*1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
16		REVISED PER CR * 04-4522-1.	JSH				
15	6-24-03	INCORP. DCN 0301042.	VJM	ON FILE			
14	9-9-02	INCORP. DCN 0200824.	LNB	ON FILE			
0-13	7-12-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESSEED DCN

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
LWPS PUMP SEAL WATER SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA217.161	D070928		NONE	7R309F90017*1	-	16