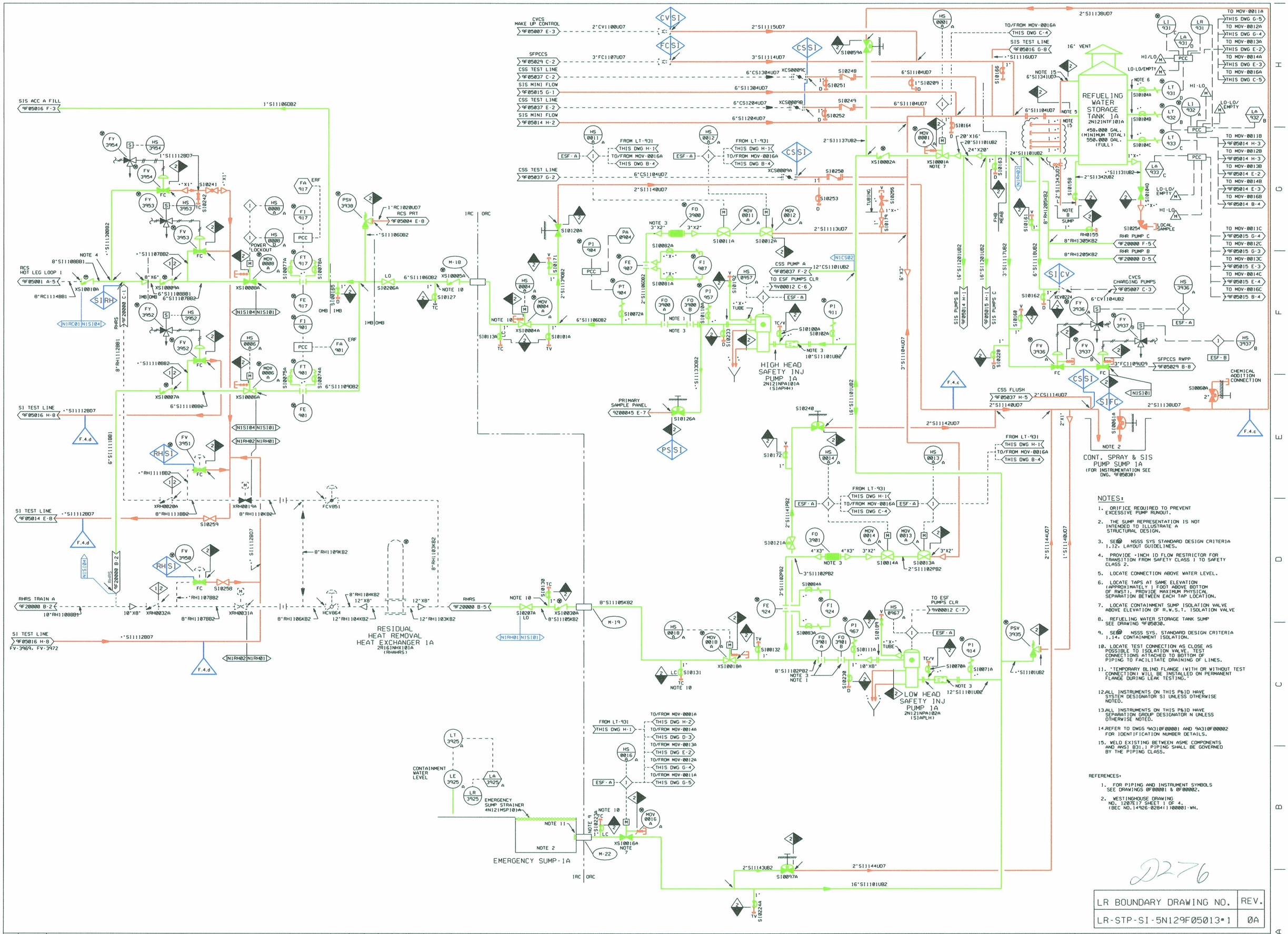

NOTES:

1. ORIFICE REQUIRED TO PREVENT EXCESSIVE PUMP RUNOUT.
2. THE SUMP REPRESENTATION IS NOT INTENDED TO ILLUSTRATE A STRUCTURAL DESIGN.
3. SEE NSSS SYS STANDARD DESIGN CRITERIA 1.12. LAYOUT GUIDELINES.
4. PROVIDE 1INCH ID FLOW RESTRICTOR FOR TRANSITION FROM SAFETY CLASS 1 TO SAFETY CLASS 2.
5. LOCATE CONNECTION ABOVE WATER LEVEL.
6. LOCATE TAPS AT SAME ELEVATION (APPROXIMATELY 1 FOOT ABOVE BOTTOM OF RWST). PROVIDE MAXIMUM PHYSICAL SEPARATION BETWEEN EACH TAP LOCATION.
7. LOCATE CONTAINMENT SUMP ISOLATION VALVE ABOVE ELEVATION OF R.W.S.T. ISOLATION VALVE
8. REFUELING WATER STORAGE TANK SUMP SEE DRAWING 9F05030.
9. SEE NSSS SYS. STANDARD DESIGN CRITERIA 1.14. CONTAINMENT ISOLATION.
10. LOCATE TEST CONNECTION AS CLOSE AS POSSIBLE TO ISOLATION VALVE. TEST CONNECTIONS ATTACHED TO BOTTOM OF PIPING TO FACILITATE DRAINING OF LINES.
11. "TEMPORARY BLIND FLANGE (WITH OR WITHOUT TEST CONNECTION) WILL BE INSTALLED ON PERMANENT FLANGE DURING LEAK TESTING."
12. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR S1 UNLESS OTHERWISE NOTED.
13. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP DESIGNATOR N UNLESS OTHERWISE NOTED.
14. REFER TO DWGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
15. WELD EXISTING BETWEEN ASME COMPONENTS AND ANSI B31.1 PIPING SHALL BE GOVERNED BY THE PIPING CLASS.

REFERENCES:

1. FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 0F00001 & 0F00002.
2. WESTINGHOUSE DRAWING NO. 1287E17 SHEET 1 OF 4. (BEC NO.14926-0284(1)00001-WN.

D276

LR BOUNDARY DRAWING NO.	REV.
LR-STP-SI-5N129F05013*1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
28		INCORP. DCN 0700730.	JSH				
27	8-31-06	INCORP. DCN 0600272.	JSH	ON FILE			
26	10-23-02	INCORP. DCN 0202000.	VJM	ON FILE			
0-25	09-02-97	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM SAFETY INJECTION SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA157.281	D070928		NONE	5N129F05013*1		28

ESEED DGN