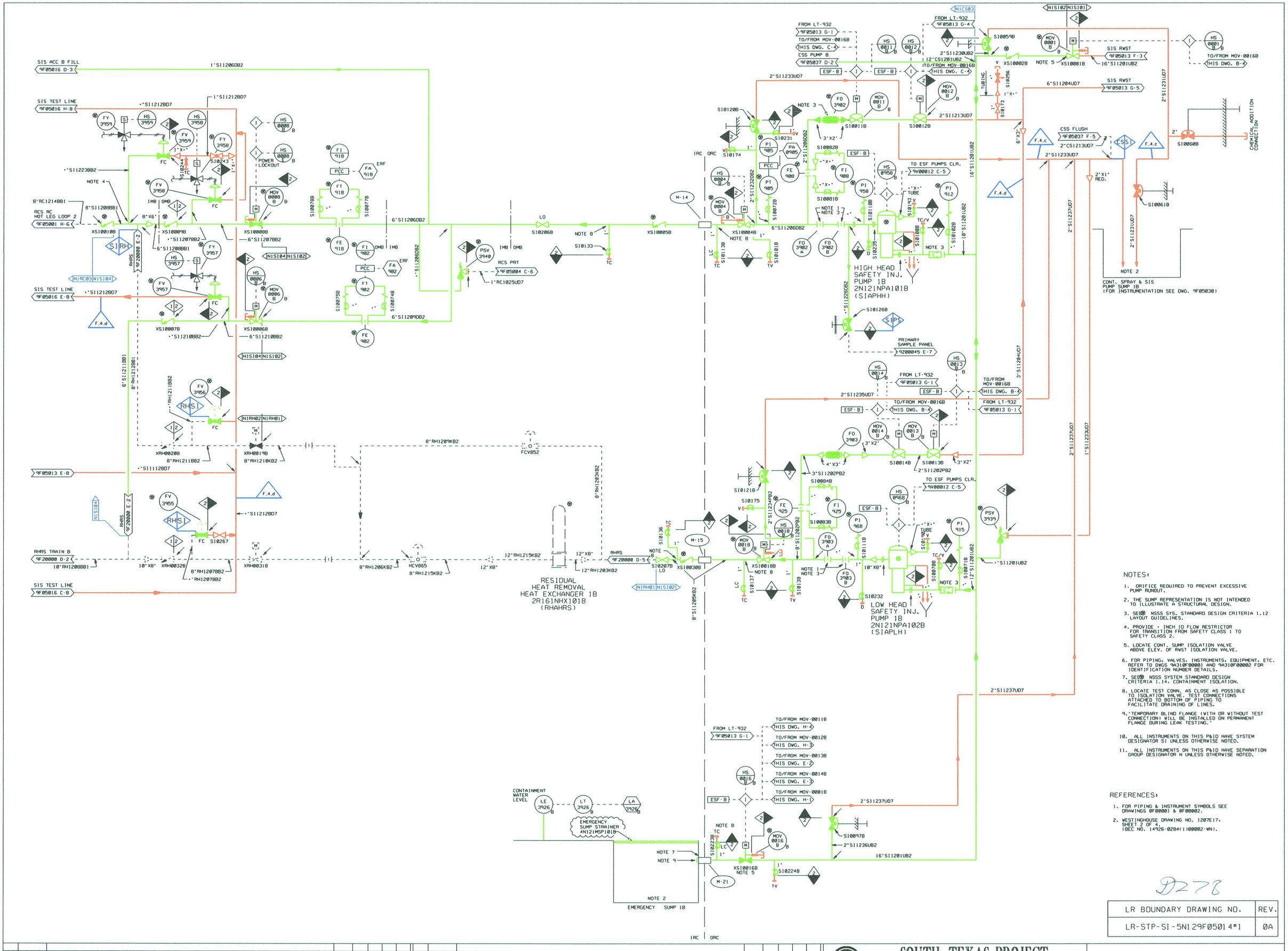

NOTES:

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 - INCH ID FLOW RESTRICTOR FOR TRANSITION FROM SAFETY CLASS 1 TO SAFETY CLASS 2.
5. LOCATE CONT. SUMP ISOLATION VALVE ABOVE ELEV. OF RWST ISOLATION VALVE.
6. FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DWGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
7. SEE NSSS SYSTEM STANDARD DESIGN CRITERIA 1.14, CONTAINMENT ISOLATION.
8. LOCATE TEST CONN. AS CLOSE AS POSSIBLE TO ISOLATION VALVE. TEST CONNECTIONS ATTACHED TO BOTTOM OF PIPING TO FACILITATE DRAINING OF LINES.
9. TEMPORARY BLIND FLANGE (WITH OR WITHOUT TEST CONNECTION) WILL BE INSTALLED ON PERMANENT FLANGE DURING LEAK TESTING.
10. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR SI UNLESS OTHERWISE NOTED.
11. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP DESIGNATOR N UNLESS OTHERWISE NOTED.

REFERENCES:

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 0F00001 & 0F00002.
2. WESTINGHOUSE DRAWING NO. 1207E17, SHEET 2 OF 4, (BEC NO. 14926-0284(1)00002-WN).

D278

LR BOUNDARY DRAWING NO.	REV.
LR-STP-SI-5N129F05014#1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
17		INCORP. DCN 0600273.	JSH				
16	10-23-02	INCORP. DCN 0202002.	VJM	ON FILE			
0-15	2-24-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESEED.DGN

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
SAFETY INJECTION SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA158.171	D070928		NONE	5N129F05014#1		17