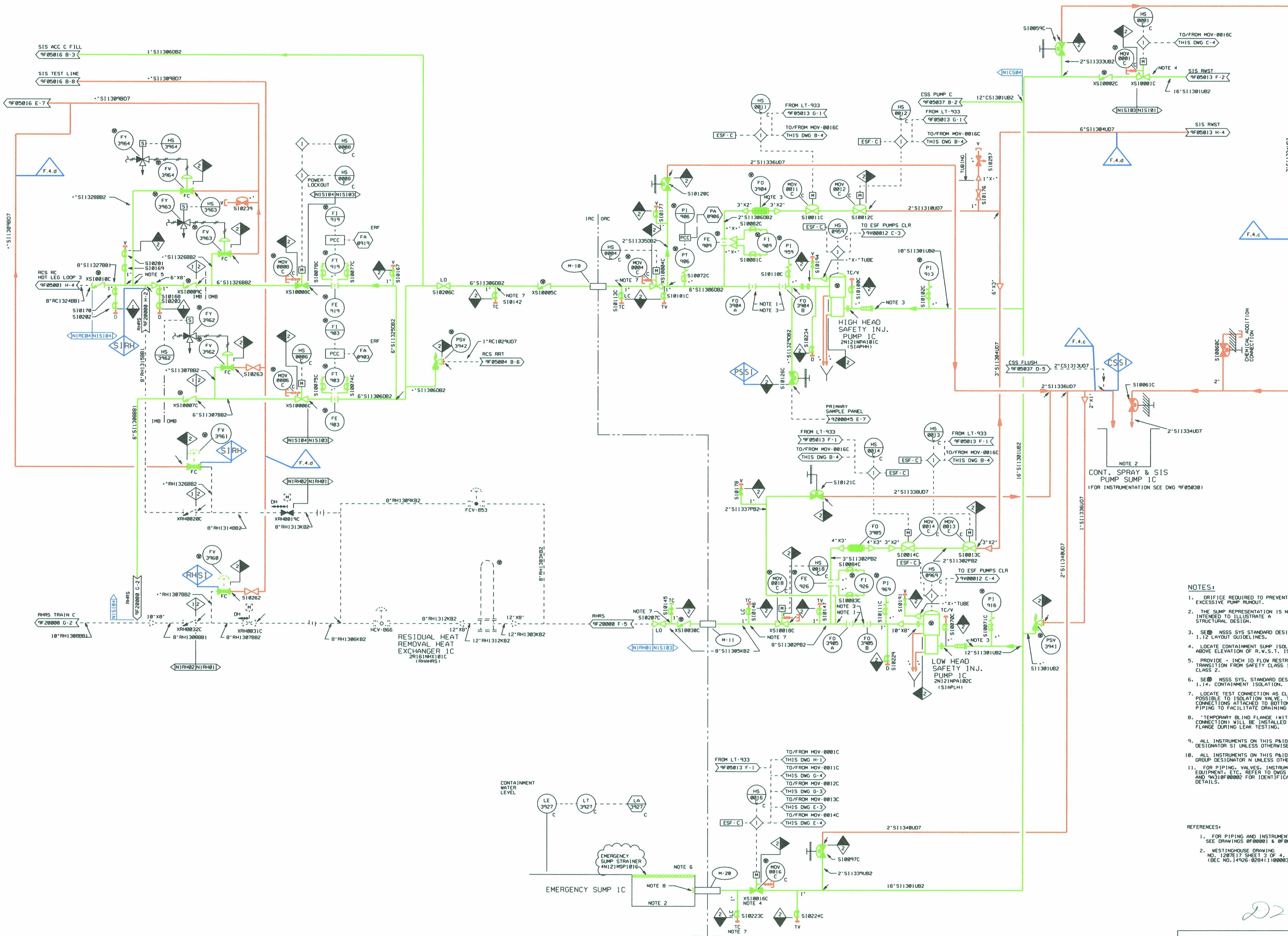

NOTES:

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

REFERENCES:

1. FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 0F00001 & 0F00002.
2. WESTINGHOUSE DRAWING NO. 1207E17 SHEET 3 OF 4. (BEC NO. 14926-0284(1)00003-WN.

D281

LR BOUNDARY DRAWING NO.	REV.
LR-STP-SI-5N129F05015#1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
20		INCORP. DCN 0600274.	JSH				
19	10-23-02	INCORP. DCN 0202004.	VJM	ON FILE			
0-18	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	FJA159.201	D070928		NONE	5N129F05015#1		20