



- NOTES:**
- ORIFICE REQUIRED TO PREVENT EXCESSIVE PUMP RUNOUT.
  - THE SUMP REPRESENTATION IS NOT INTENDED TO ILLUSTRATE A STRUCTURAL DESIGN.
  - SEE NSSS SYS. STANDARD DESIGN CRITERIA 1.12 LAYOUT GUIDELINES.
  - PROVIDE 1/2 INCH ID FLOW RESTRICTOR FOR TRANSITION FROM SAFETY CLASS 1 TO SAFETY CLASS 2.
  - LOCATE CONT. SUMP ISOLATION VALVE ABOVE ELEV. OF RWST ISOLATION VALVE.
  - FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DWGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
  - SEE NSSS SYSTEM STANDARD DESIGN CRITERIA 1.14, CONTAINMENT ISOLATION.
  - LOCATE TEST CONN. AS CLOSE AS POSSIBLE TO ISOLATION VALVE. TEST CONNECTIONS ATTACHED TO BOTTOM OF PIPING TO FACILITATE DRAINING OF LINES.
  - TEMPORARY BLIND FLANGE (WITH OR WITHOUT TEST CONNECTION) WILL BE INSTALLED ON PERMANENT FLANGE DURING LEAK TESTING.
  - ALL INSTRUMENTS ON THIS PID HAVE SYSTEM DESIGNATOR SI UNLESS OTHERWISE NOTED.
  - ALL INSTRUMENTS ON THIS PID HAVE SEPARATION GROUP DESIGNATOR N UNLESS OTHERWISE NOTED.

- REFERENCES:**
- FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9F0001 & 9F0002.
  - WESTINGHOUSE DRAWING NO. 146566, SHEET 2 OF 4, (REC NO. 14926-028412100002-WN).

LR BOUNDARY DRAWING NO.	REV.
LR-STP-SI-5N129F05014#2	0

<p>17 INCORP. DCN 0601582. JSH</p> <p>16 10-23-02 INCORP. DCN 0202003. VJM ON FILE</p> <p>0-15 2-24-83 ISSUED FOR CONSTRUCTION. SIGNATURES ON FILE</p>										<p>NO. ISSUE DATE REVISION</p> <p>ORIG CKR RE DV SE</p>										<p>NO. ISSUE DATE REVISION</p> <p>ORIG CKR RE DV SE</p>										<p>NO. ISSUE DATE REVISION</p> <p>ORIG CKR RE DV SE</p>										<p>NO. ISSUE DATE REVISION</p> <p>ORIG CKR RE DV SE</p>																																							
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**SOUTH TEXAS PROJECT**  
**NUCLEAR OPERATING COMPANY**

PIPING AND INSTRUMENTATION DIAGRAM  
 SAFETY INJECTION SYSTEM

PRIORITY	CADD FILE NO.	FISUG. NO.	STJ. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA558.171	0070928		NONE	5N129F05014 #2		17