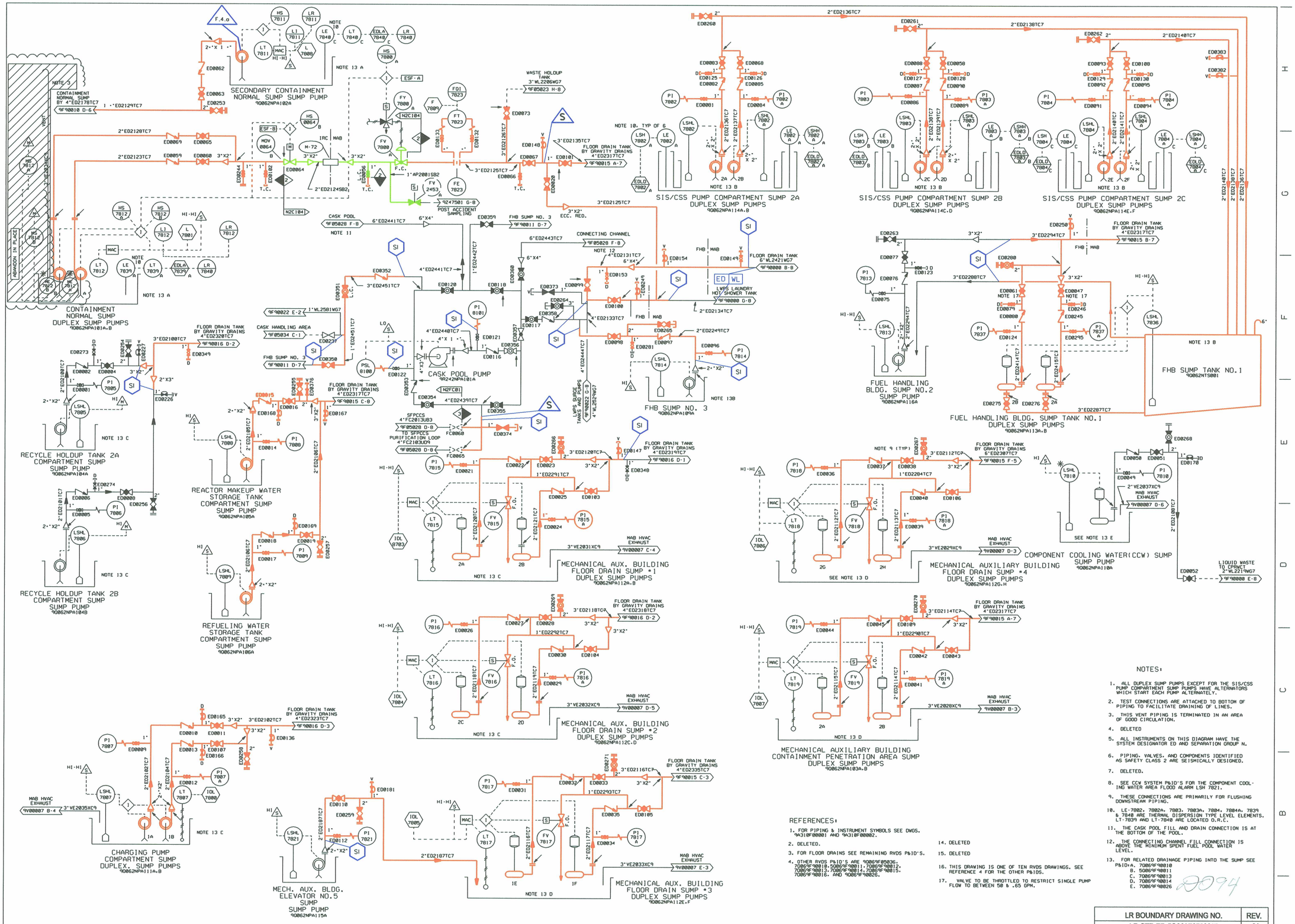

NOTES:

1. ALL DUPLEX SUMP PUMPS EXCEPT FOR THE SIS/CSS PUMP COMPARTMENT SUMP PUMPS HAVE ALTERNATORS WHICH START EACH PUMP ALTERNATELY.
2. TEST CONNECTIONS ARE ATTACHED TO BOTTOM OF PIPING TO FACILITATE DRAINING OF LINES.
3. THIS VENT PIPING IS TERMINATED IN AN AREA OF GOOD CIRCULATION.
4. DELETED
5. ALL INSTRUMENTS ON THIS DIAGRAM HAVE THE SYSTEM DESIGNATOR ED AND SEPARATION GROUP N.
6. PIPING, VALVES, AND COMPONENTS IDENTIFIED AS SAFETY CLASS 2 ARE SEISMICALLY DESIGNED.
7. DELETED.
8. SEE CCW SYSTEM P&ID'S FOR THE COMPONENT COOLING WATER AREA FLOOD ALARM LSH 7821.
9. THESE CONNECTIONS ARE PRIMARILY FOR FLUSHING DOWNSTREAM PIPING.
10. LE-7802, 7802A, 7803, 7803A, 7804, 7804A, 7839 & 7840 ARE THERMAL DISPERSION TYPE LEVEL ELEMENTS. LT-7839 AND LT-7840 ARE LOCATED O.R.C.
11. THE CASK POOL FILL AND DRAIN CONNECTION IS AT THE BOTTOM OF THE POOL.
12. THE CONNECTING CHANNEL FILL CONNECTION IS ABOVE THE MINIMUM SPENT FUEL POOL WATER LEVEL.
13. FOR RELATED DRAINAGE PIPING INTO THE SUMP SEE P&ID'S A. 7086F90010 B. 5086F90011 C. 7086F90013 D. 7086F90014 E. 7086F90026

2094

REFERENCES:

1. FOR PIPING & INSTRUMENT SYMBOLS SEE DWGS. 9A310F00001 AND 9A310F00002.
2. DELETED.
3. FOR FLOOR DRAINS SEE REMAINING RVDS P&ID'S.
4. OTHER RVDS P&ID'S ARE 9086F85036, 7086F90010,5086F90011,7086F90012, 7086F90013,7086F90014,7086F90015, 7086F90016, AND 9086F90026.
14. DELETED
15. DELETED
16. THIS DRAWING IS ONE OF TEN RVDS DRAWINGS. SEE REFERENCE 4 FOR THE OTHER P&IDS.
17. VALVE TO BE THROTTLED TO RESTRICT SINGLE PUMP FLOW TO BETWEEN 50 & .65 GPM.

LR BOUNDARY DRAWING NO.	REV.
LR-STP-ED-5Q069F05030#2	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
17		INCORP. DCN 0701697.	JSH				
16	4-16-03	INCORP. DCN 0300507.	LNB	ON FILE			
15	08-08-00	REVISE PER CR 00-11090-16	KS	ON FILE			
0-14	12-03-82	ISSUED FOR CONSTRUCTION	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM RADIOACTIVE VENT & DRAIN SYSTEM SUMP PUMPS

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA598.171	D070928		NONE	5Q069F05030#2		17

ESSEED.DGN