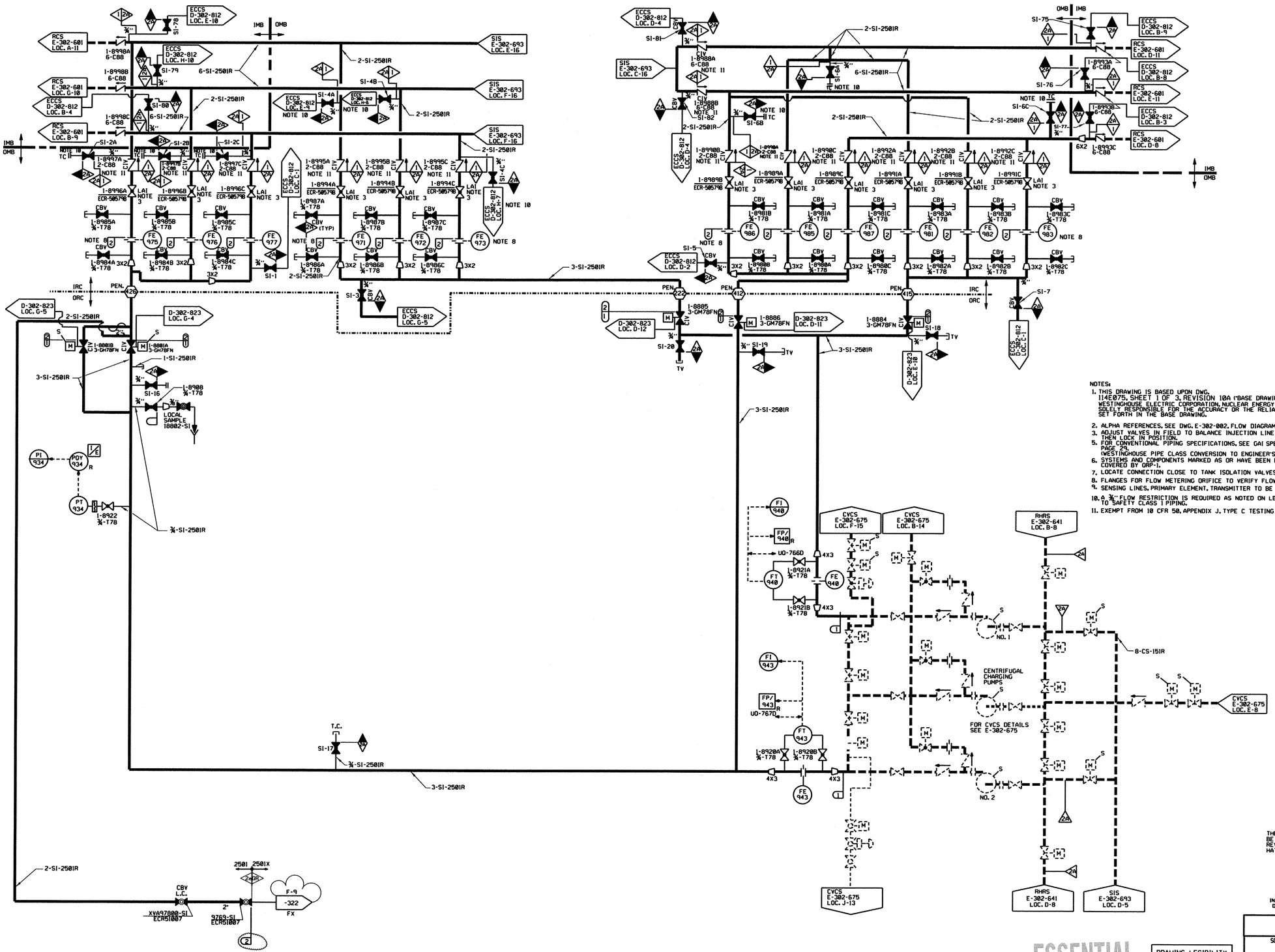

NOTES:

1. THIS DRAWING IS BASED UPON DWG. 114E075, SHEET 1 OF 3, REVISION 10A ("BASE DRAWING") OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PS WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DRAWING.
2. ALPHA REFERENCES, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
3. ADJUST VALVES IN FIELD TO BALANCE INJECTION LINE FLOW AND TO LIMIT PUMP RUNOUT. THEN LOCK IN POSITION.
5. FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4461-00, PAGE 29, (WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION).
6. SYSTEMS AND COMPONENTS MARKED AS OR HAVE BEEN DECLASSIFIED TO QUALITY RELATED AS COVERED BY ORP-1.
7. LOCATE CONNECTION CLOSE TO TANK ISOLATION VALVES.
8. FLANGES FOR FLOW METERING ORIFICE TO VERIFY FLOW DURING PRE-OPERATIONAL TESTING.
9. SENSING LINES, PRIMARY ELEMENT, TRANSMITTER TO BE ENCLOSED IN HEATED CUBICLE.
10. A ¾" FLOW RESTRICTION IS REQUIRED AS NOTED ON LEGEND FOR ALL TEST CONNECTIONS TO SAFETY CLASS 1 PIPING.
11. EXEMPT FROM 10 CFR 50, APPENDIX J, TYPE C TESTING BASED ON FSAR TABLE 6.2-53a.

THE ASSOCIATED 307 DRAWING SHALL BE REVISED IN CONJUNCTION WITH REVISION TO THIS 302 IF THE CROSS HATCHED AREA IS AFFECTED.

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

ESSENTIAL

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

1	2890	130	2900	250	3625	600(MIN)	
2	2500	130	2735	250	3420	600(MIN)	
⊞	PSIG	°F	PSIG	°F	PSIG	°F	
	NORMAL		UPSET		*HYDROTEST		

DESIGN DATA

*HYDROTEST PRESSURE FOR NEW CONSTRUCTION PER ASME CODE SECTION III

NO.	DATE	BY	REVISION	CKD. BY	LE APPROVAL
11	6/14/2001	TGB	REVISED PER ECR-78001	MGR	TOC
16	3/29/16	JMR	REVISED PER ECR-51007	RHM	NG
15	12/07/15	KD	REVISED PER ECR-51007	MGR	AF
14	11/2/15	RHM	REVISED PER ECR-51007	MGR	AF
13	10/24/05	RHM	REVISED PER ECR-50579	RHM	BB
12	2/17/04	JMR	CADD ENHANCED PER ECR-50239	MGR	DDJ

FSAR Figure 6.3-1. SH. 1

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING — SYSTEM FLOW DIAGRAM

SAFETY INJECTION

SCE&G A SCANA COMPANY

DESIGN ENGINEERING

V. C. SUMMER NUCLEAR STATION JENKINSVILLE, S. C.

MADE	CHECKED	LE APPROVAL
1. A.V.N.	2. M.G.R.	3. R.S.B.

SCALE: NO SCALE

DRAWING NUMBER: E-302-691

SHT. NUMBER: 16

REV