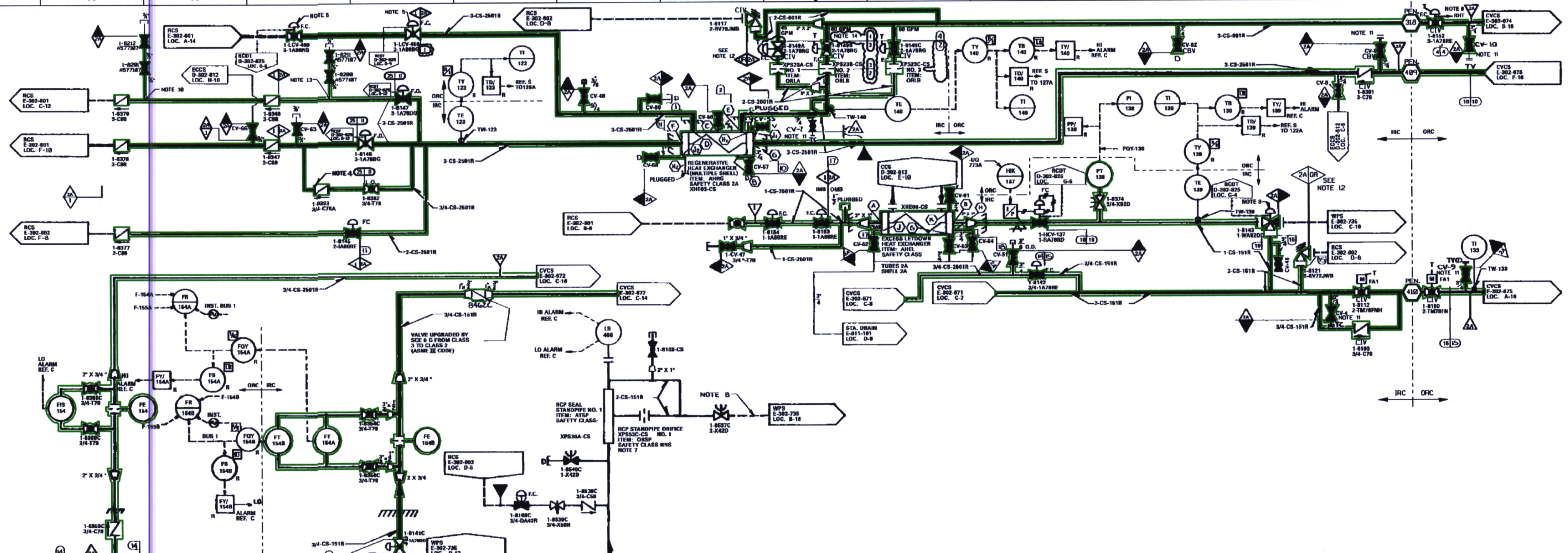

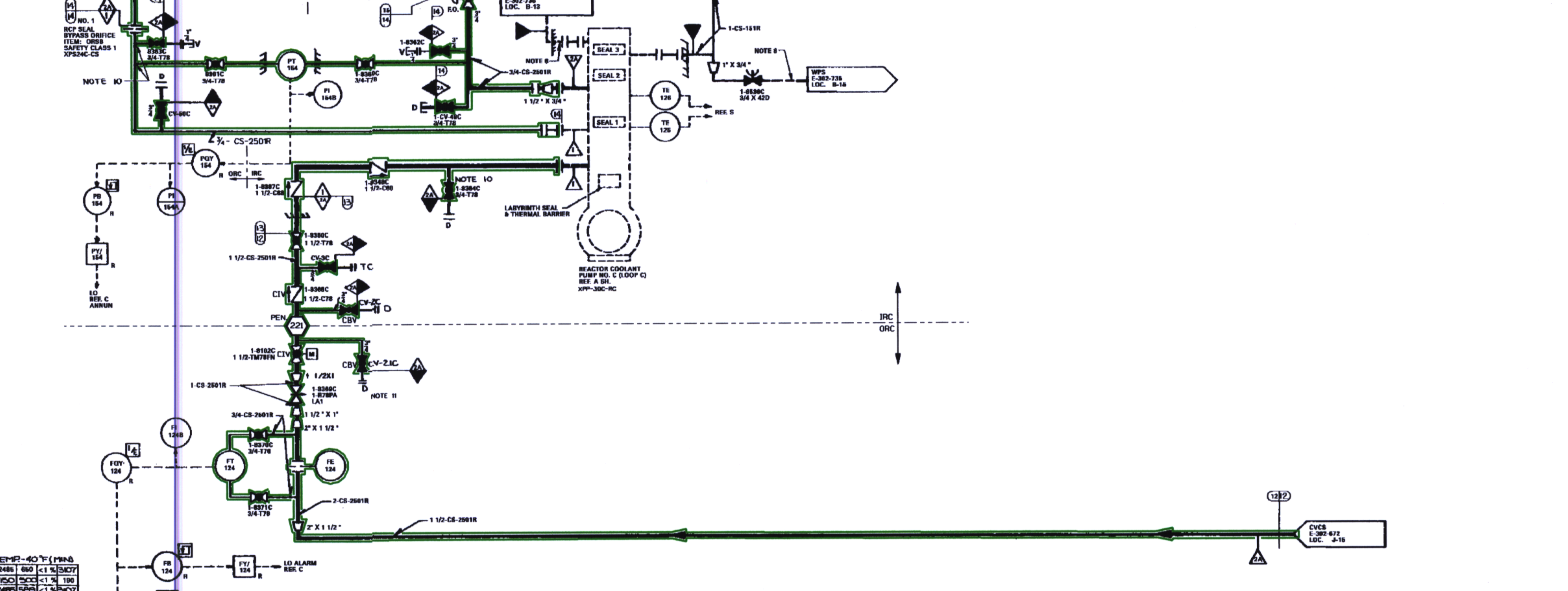

NOTES:

1. THIS DRAWING IS BASED UPON DWG. 114E073, SHEET 1 OF 5, REVISION 16 ("BASE DRAWING") OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DRAWING.
2. FOR ALPHA REFERENCES SEE DWG. E-302-002 FLOW DIAGRAM LEGEND.
3. VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
4. SPECIAL SPRING LOADED CHECK VALVE.
5. PRESSURIZER LOW LEVEL SIGNAL CLOSES THESE VALVES.
6. FOR CONTINUATION SEE DWG. D-302-823.
7. FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4401-00, PAGE 29. (WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER S PIPE LINE SPECIFICATION)
8. THIS PIPING SHOULD BE SLOPED DOWNWARD THROUGHOUT THE RUN TO THE DRAIN TANK.
9. ORIFICE IS A MINIMUM OF 7' ABOVE THE CONNECTION TO THE REACTOR COOLANT PUMP.
10. PROVIDE FLOW RESTRICTOR PER NOTE 4. SEE DWG. E-302-002 FLOW DIAGRAM LEGEND.
11. THIS FLANGE HAS BEEN DRILLED AND TAPPED TO ACCEPT A ⅜" COMPRESSION FITTING TO FACILITATE LLRT WORK. THIS FITTING SHOULD BE CAPPED AT OTHER TIMES.
12. PIPE IS QUALITY RELATED "RELIEF AND SAFETY VALVE DISCHARGE" PIPING PER TRP-13.
13. PROVIDE FLOW RESTRICTION PER NOTE 4 OF DRAWING E-302-002 FLOW DIAGRAM LEGEND. NO CREDIT IS TAKEN FOR THIS FLOW RESTRICTION AS A SAFETY CLASS CHANGE.
14. NORMAL LETDOWN CAN HAVE ONE 60 GPM, ONE 60 AND ONE 45 GPM, OR TWO 60 GPM ORIFICE IN SERVICE.

HYDROTEST TEMP.-40°F (MIN)

No.	NORMAL PSIG	NORMAL °F	UPSET PSIG	UPSET °F	DURATION	HYDRO
25	2350	501	2485	650	<1 %	3107
19	40	165	150	500	<1 %	190
18	2155	165	2485	589	<1 %	3107
17	2205	555	2485	589	<1 %	3107
15	40	150	150	200	<1 %	150
14	40	150	2485	591	<1 %	3107
13	2340	130	2485	589	<1 %	3107
12	2890	130	2900	300	<1 %	3625
11	2890	501	2900	560	<1 %	3625
10	2890	130	2900	250	<1 %	3625
4	380	30L	600	282	<1 %	750
3	401	30L	2486	596	<1 %	3107
2	2188	30L	2486	596	<1 %	3107
1	2235	557	2485	596	<1 %	3107

DESIGN DATA

HYDROTEST PRESSURES FOR NEW CONSTRUCTION PER ASME CODE SECTION III

1/4" = 1'-0" 0' 5' 10' 15' 20'

D-134

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

PLEX Drawing TR00160-002

FSAR Figure 9.3-16 SH. 1C

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	CHD. BY	LE APPROVAL
11	[illegible]	RHM	REVISED PER MRF-21504	MGR	CHR
10	[illegible]	SRW	REVISED PER MRF-34006	MGR	JEW
14	[illegible]	TGB	REVISED PER ECR-50102	RHM	LRC
13	[illegible]	JMR	REVISED PER CGSS-97-0569	LEK	MGR
12	[illegible]	JTS	REVISED PER MRF-34889 & PER MRF-22640	MGR	JEW

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
PIPING SYSTEM FLOW DIAGRAM
CHEMICAL AND VOLUME CONTROL
DESIGN ENGINEERING
DDJ | MGR | GAL
E-302-673 | 14