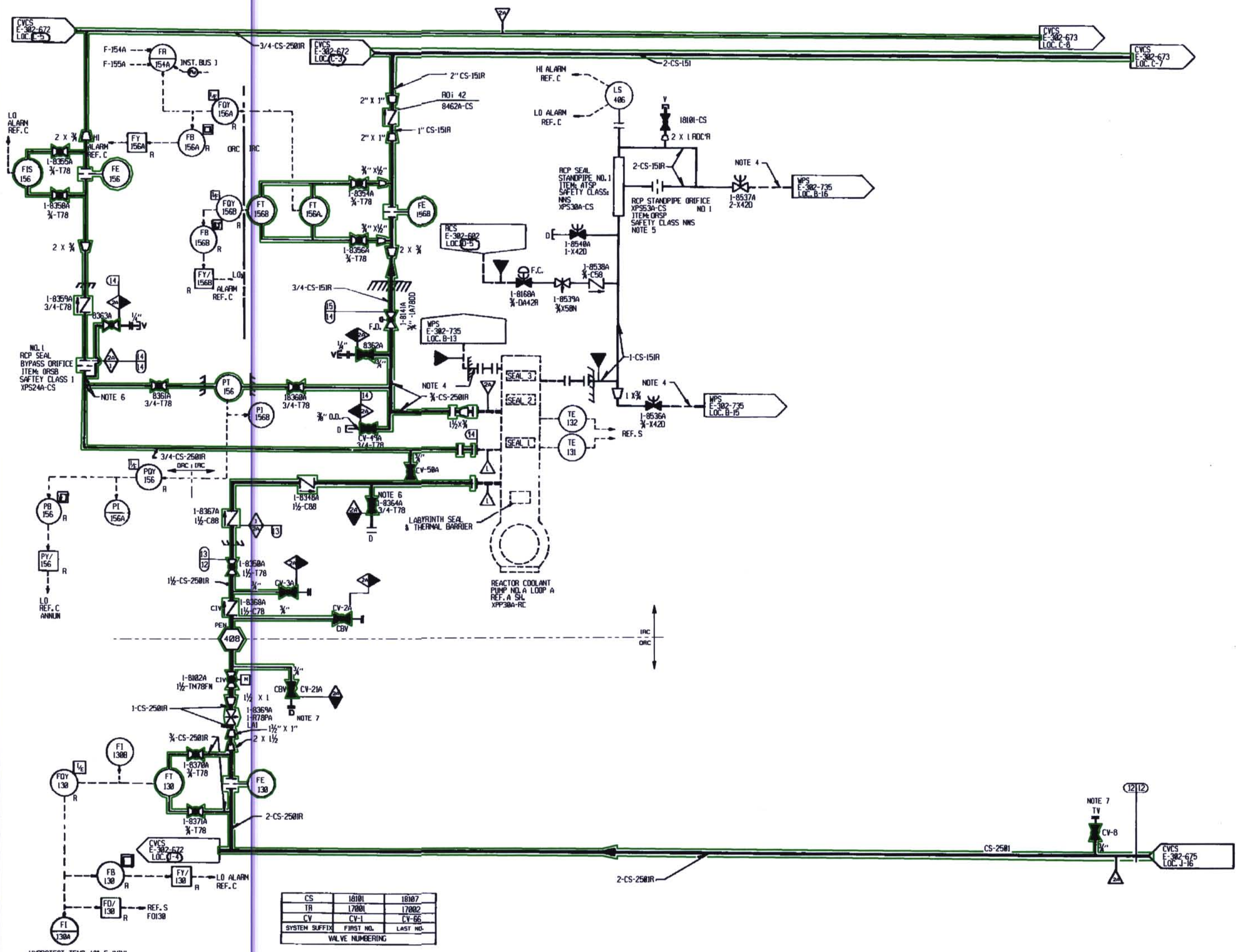

D-132

NOTES:

1. THIS DRAWING IS BASED UPON DWG. 114E073, SHEET 1 OF 5, REVISION 16 ("BASED DRAWING") OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA WHO IS SOLEY RESPONSIBILE FOR THE ACCURACY OR THE RELIABILTY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DRAWING.
2. FOR ALPHA REFERENCES, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
3. FOR CONVENTIONAL PIPING SPECIFICATIONS. SEE GAI SPECIFICATION SP-329-04461-00, PAGE 29, (WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION).
4. THIS PIPING SHOULD BE SLOPED DOWNWARD THROUGHOUT THE RUN TO THE DRAIN TANK.
5. ORIFICE IS A MINMUM OF 7' ABOVE THE CONNECTION TO THE REACTOR COOLANT PUMP.
6. PROVIDE FLOW RESTRICTOR PER NOTE 4, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
7. THIS FLANGE HAS BEEN DRILLED AND TAPPED TO ACCEPT A ⅜" COMPRESSION FITTING TO FACILITATE LLRT WORK. THE FITTING SHOULD BE CAPPED AT OTHER TIMES.

HYDROTEST TEMP. 40° F (MIN)

P#	NORMAL PSIG	NORMAL °F	UPSET PSIG	UPSET °F	UPSET DURA.	HYDRO*
15	40	150	150	200	< 1%	190
14	40	150	2485	591	< 1%	3107
13	2340	130	2485	589	< 1%	3107
12	2890	130	2900	300	< 1%	3625

DESIGN DATA

*HYDROTEST PRESSURES FOR NEW CONSTRUCTION PER ASME CODE SECTION III

SYSTEM SUFFIX	FIRST NO.	LAST NO.
CS	18101	18107
TR	17001	17002
CV	CV-1	CV-66

VALVE NUMBERING

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

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

PLEX Drawing TH00160-002

FSAR Figure 9.3-16 SH. 1A

DRAWING LEGIBILITY CLASS 1

SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	CHD. BY	LE APPROVAL
7	[illegible]	JMR	REVISED PER CGSS-97-0569	LEK	MGR
6	07/25/95	AVN	REVISED PER MRF-34889 & PER MRF-22640	MGR / MGR	JEW / JEW
5	05/08/91	DDJ	REVISED PER MRF-21408, MCN-A	MGR	GAL

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING — SYSTEM FLOW DIAGRAM

CHEMICAL AND VOLUME CONTROL

DESIGN ENGINEERING

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

A.V.N. | M.G.R. | R.S.B.

E-302-671 — REV 7

*****SYTIME*****
DGN*SPEC****************