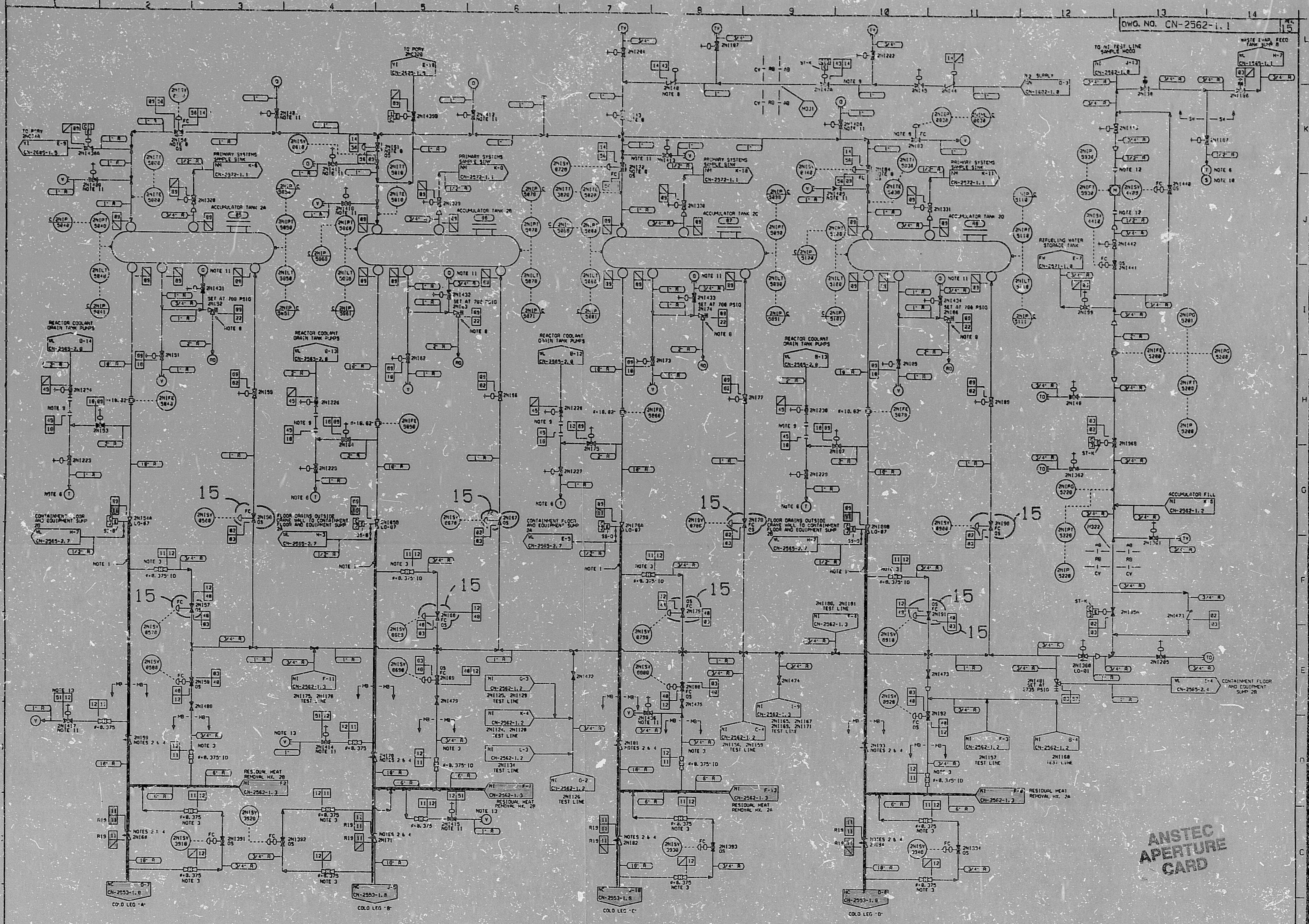

NOTES:

1. PIPING SCHEDULE 140 MUST BE ADHERED TO DUE TO SAFETY ANALYSIS FLOW REQUIREMENTS.
2. LOCATE VALVES AS CLOSE TOGETHER AND AS CLOSE TO REACTOR COOLANT PIPING AS POSSIBLE.
3. FLOW RESTRICTOR DETAIL PROVIDED ON DRAWING CN-1600-4.
4. CLEAR WAY SWING CHECK VALVE. (L/D MUST BE LESS THAN OR EQUAL TO 60).
5.
6. ARRANGE TELLTALE FOR EASY DRAINAGE INTO HAND CARRIED VESSEL.
7.
8. VALVE PROVIDED WITH SOFT SEAT.
9. BLIND FLANGES NORMALLY INSTALLED. SPOOL PIECE TO BE INSTALLED DURING ACCUMULATOR DRAINING, ONLY AFTER DEPRESSURIZATION.
10. MULTI-PURPOSE CONNECTION TO BE USED AS BOTH TELL-TALE AND SAMPLE POINT.
11. CONSTRUCTION VENTS AND DRAINS.
12. PROVIDE FLOWMETER WITH A MINIMUM STRAIGHT PIPING RUN OF 1' BOTH UPSTREAM AND DOWNSTREAM, NOT INCLUDING SECTION BETWEEN FLOWMETER FLANGES.
13. REF. DESIGN ENG., POWER PIPING SECTION. EJP NO. PPS-JR-24.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC	PRESSURE	TEMPERATURE	CLASS	MATERIAL
02	2501.2	2750 PSIA	300°F	B	SS
03	2501.4	2750 PSIA	300°F	C	SS
09	601.2	715 PSIA	300°F	D	SS
10	901.0	715 PSIA	300°F	E	SS
11	2501.1	2500 PSIA	650°F	A	SS
12	2501.2	2500 PSIA	650°F	B	SS
14	600.4	1100 PSIA	300°F	D	CS
22	151.4	36 PSIA	300°F	E	SS
40	2501.2	2750 PSIA	650°F	B	SS
42	150.4	ATM	300°F	D	CS
43	600.2	1100 PSIA	300°F	D	CS
45	151.4	165 PSIA	200°F	E	SS
51	2501.4	2500 PSIA	650°F	D	SS
56	601.2	1100 PSIA	300°F	B	SS
57	301.4	305 PSIA	300°F	E	SS

ERN: CN000?FC

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH.
15	REV PER NSM #CN-20644/00 AS-BUILT 6-30-94	EDS	[illegible]	TVA	8/23/94	KLE	8/24/94	RFK	DHW	KLG
14	REV PER VN# CE-4572	DWD	8-2 94	JCS	8-3 94	KLE	8-9 94	RFK	CLH	KLE
13	REV PER CE-4390	CDH	7-? 94	JCS	7-18 94	KLE	7-27 94	RFK	CLH	KLE
ORIG.	ORIGINAL DRAWING RETIRED									

G. A. CONDITION 2

G. A. CONDITION 1

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
SAFETY INJECTION SYSTEM
NI

DESIGNER M. HOPKINS DATE 8-18-75 — INSP. WALVED DATE
DRAWN J. SHERRILL DATE 8-19-75 — INSP. TC MCMEEKIN DATE 8-28-75
CHECKED RW HAILEY DATE 8-19-75 — APPR. ST. WISE DATE 8-29-75
SCALE

DWG. NO. CN-2562-1.1 REV. 15

PDR RIDS

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