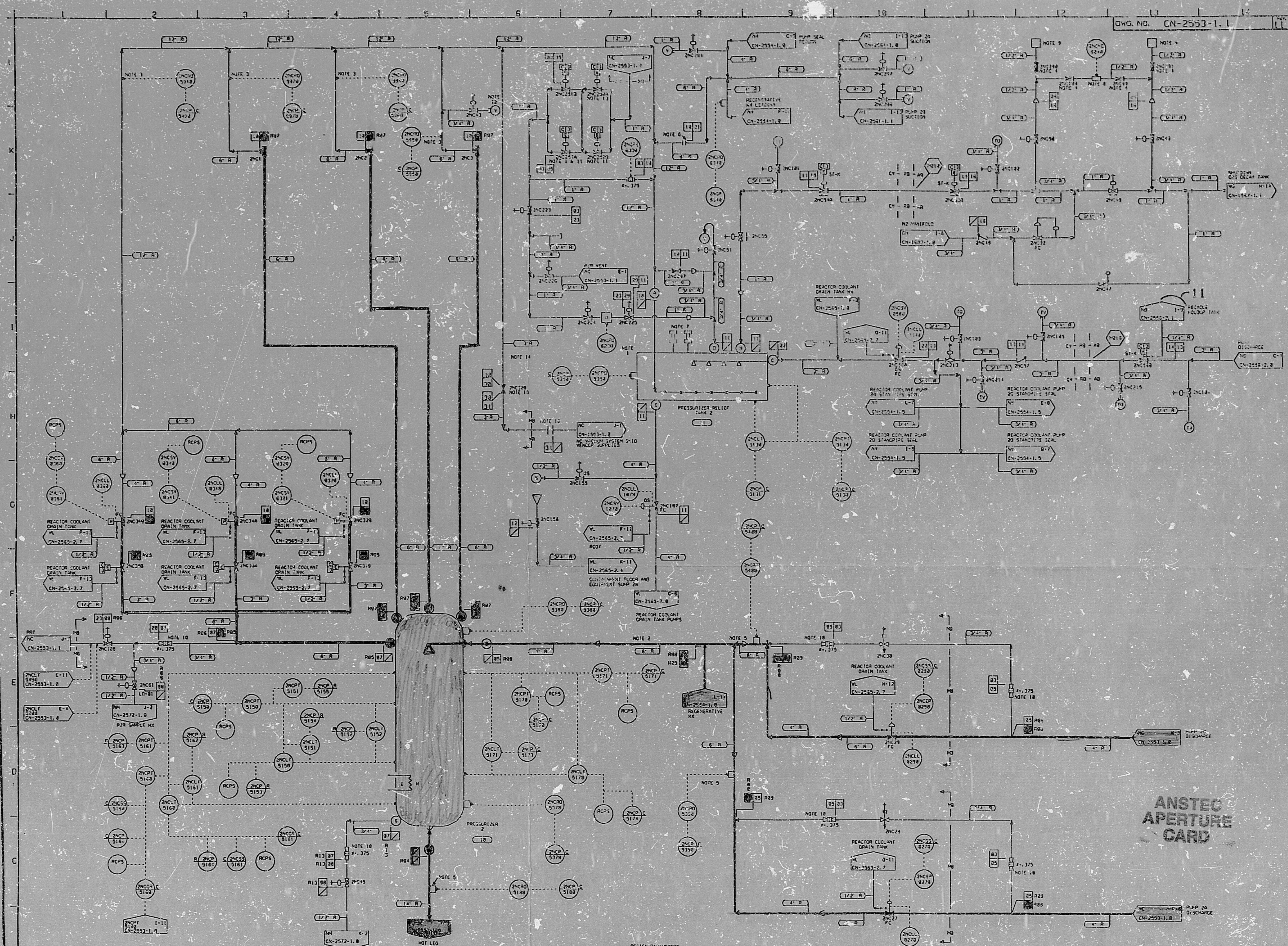

NOTES:

1. VENT HOLE PROVIDED.
2. SLOPE SPRAY PIPE DOWNWARD TO PROVIDE WATER SEAL BETWEEN PRESSURIZER AND SPRAY VALVES.
3. PLACE DETECTORS AT BOTTOM OF PIPE. (STRAP-ON).
4. VALVE FURNISHED FROM INSTRUMENTATION STOCK V273.
5. LOCATE APPROX. MIDWAY BETWEEN LOOP AND PRESSURIZER.
6. DUKE TO FURNISH 600 LB. ASA FLANGES. FLANGE END ON PIPE CONN. TO PRT HEADER LINE TO BE MACHINED TO FIT. LOCATE CONN. AS CLOSE AS POSSIBLE TO PRT.
7. SAFETY HEAD RUPTURE DISCS WILL RELIEVE AT 100 PSIG.
8. GAS SAMPLING DEVICE WITH SEPTUM.
9. HOSE CONNECTION.
10. PROVIDE 3/8" FLOW RESTRICTION AS NOTED ON DWG. CNM-1201-03-1.
11. VALVE HAS POWER REMOVED DURING NORMAL OPERATION.
12. A TEMPORARY CONNECTION BETWEEN THIS QUICK CONNECT AND HIGH POINT VENT VALVE 2NC49 CAN PROVIDE PATH TO DISCHARGE RADIOACTIVE GAS TO CONTAINMENT FROM NC SYSTEM AFTER TMI-2 TYPE EVENT.
13. VALVE ALSO RECEIVES POWER FROM SSF.
14. VACUUM BACKFILL LINE TO BE SLOPED TO ALLOW CONDENSATE DRAINAGE BACK TO PRT AND SHALL CONTAIN NO VERTICAL STRESS LOOPS OR LOW POINTS.
15. VALVE HANDWHEEL TO BE ACCESSIBLE FROM EXISTING PLATFORM AND VALVE STEM LEAK-OFF TO BE PLUGGED.
16. FLANGED FOR TEMPORARY CONNECTION OF NC VACUUM SYSTEM SX10.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC	PRESSURE	TEMPERATURE	CLASS	MATERIAL
03	2501.2	2500 PSIA	650°F	B	SS
05	2501.1	2500 PSIA	650°F	A	SS
07	2501.1	2500 PSIA	600°F	A	SS
08	2501.2	2500 PSIA	600°F	B	SS
09	2501.4	2500 PSIA	600°F	E	SS
10	901.0	715 PSIA	600°F	E	SS
11	151.4	115 PSIA	340°F	E	SS
12	151.4	20 PSIA	215°F	E	SS
13	151.4	155 PSIA	120°F	E	SS
14	151.2	165 PSIA	240°F	B	SS
15	151.2	115 PSIA	340°F	D	SS
16	151.3	115 PSIA	340°F	C	SS
21	151.4	165 PSIA	400°F	E	SS
22	151.4	165 PSIA	200°F	E	SS
23	2501.4	2500 PSIA	300°F	E	SS
24	151.4	115 PSIA	300°F	E	SS
26	2701.4	115 PSIA	340°F	E	ST
29	2501.4	2500 PSIA	340°F	E	SS
30	901.0	715 PSIA	600°F	F	SS
31	901.0	715 PSIA	340°F	F	SS

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	INSPECTED CIVIL	INSPECTED ELEC.	INSPECTED MECH.
11	REV PER CE-60100	EDS	7-19-94	JCS	8-3-94	KLE	9/9/94	RFX	CJH	KLG
10	REV. PER NSM CN-23540/00	SMG	1-92	RM	1-92	SWB	1-9-93	MSP	DHH	KLE
-	AS BUILT (12-7-91)									
9	REV PER NSM CN-20634/00 (8-1-91)	ARL	8-29-91	KLE	9-5-91	DLW	9-9-93	MSP	RLM	RAK
8	REV. PER NSM CN-20180/00	EDS	5-17-88	JRH	8-23-88	DLW	7-88	DLC	REH	
	IMP. DATE: (2-18-88)									
ORIG.	ORIGINAL DRAWING RETIRED									

QA CONDITION 4

QA CONDITION 2

QA CONDITION 1

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
REACTOR COOLANT SYSTEM
(NC)

DESIGNER MD HOPKINS DATE 5-20-75 INSP. WALKER DATE
DRAWN KB TRAVIS DATE 3-5-75 INSP. CE KNEEBURG DATE 5-21-76
CHECKED RW HAILEY DATE 5-21-75 APPR. TF WYKE DATE 5-21-75

SCALE | DWG. NO. CN-2553-1.1 | REV. 11

ERN: CN000TE1

PDR RIDS

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