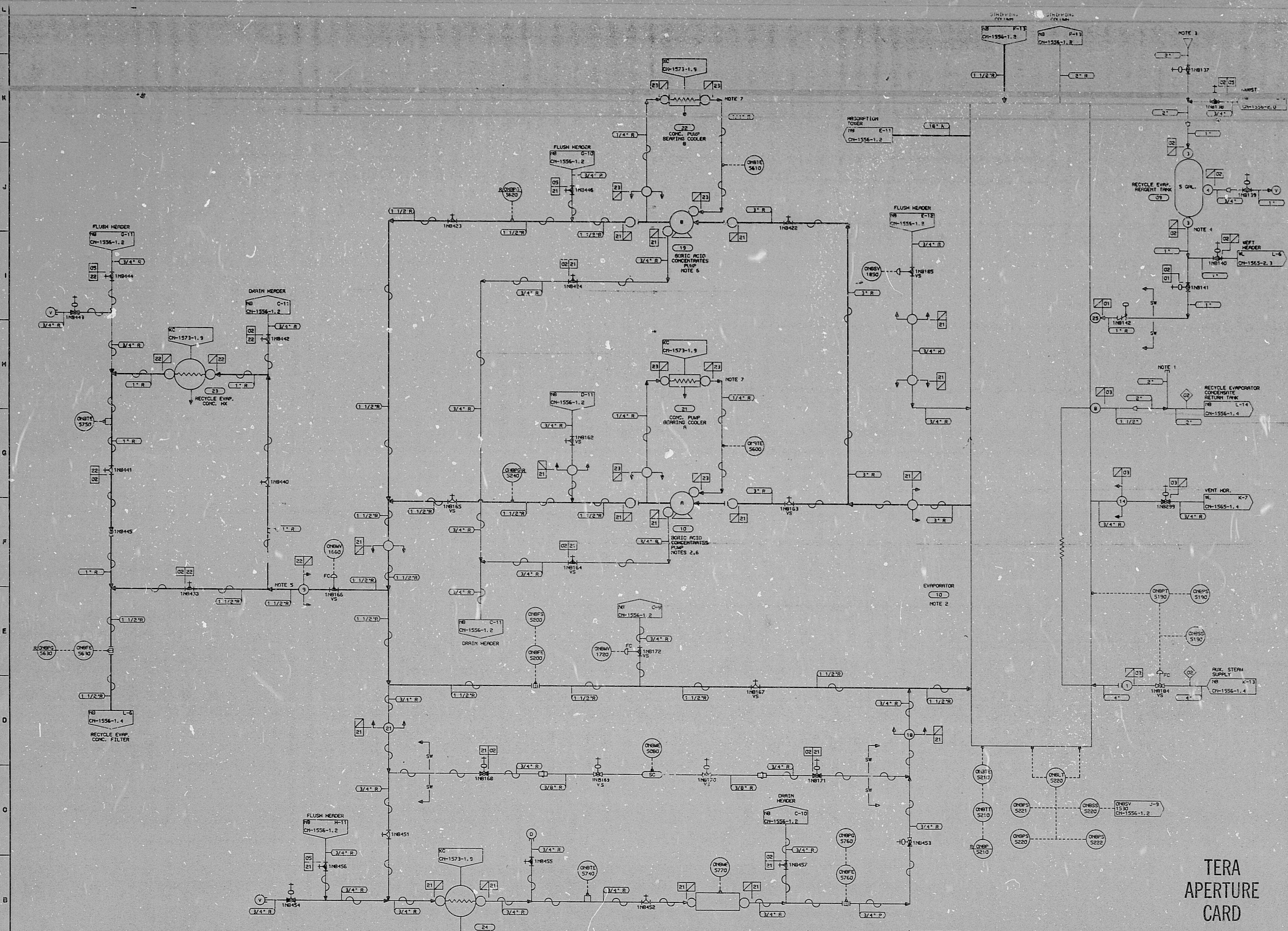


NOTES:

1. 6" DIRT LEG TO BE LOCATED DIRECTLY BENEATH CONDENSATE OUTLET.
2. COMPONENTS WITH EQUIPMENT NUMBER (10) INCLUDED IN RECYCLE EVAPORATOR PACKAGE SUPPLIED BY WESTINGHOUSE.
3. CHEMICAL ADDITION.
4. REAGENT TANK AND PIPING TO BE ARRANGED FOR GRAVITY DRAIN TO EVAPORATOR FEED LINE.
5. HEAT TRACING SHOULD BEGIN WHERE PIPING EXITS EVAPORATOR ROOM.
6. LOCATE CONCENTRATE PUMPS ON FLOOR NEXT TO EVAPORATOR SKID.
7. THE CONC. PUMP BEARING COOLER SHOULD BE LOCATED AS CLOSE TO THE CONC. PUMP AS POSSIBLE, AND THE LENGTH OF 1/4" TUBING SHOULD BE KEPT TO A MINIMUM TO PREVENT RESTRICTION OF FLOW.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC	PRESSURE	TEMPERATURE	CLASS	MATERIAL
01	151.3	165 PSIA	200°F	C	SS
02	151.4	165 PSIA	200°F	E	SS
03	150.4	90 PSIA	340°F	G	CS
05	151.4	165 PSIA	120°F	E	SS
21	151.3	165 PSIA	250°F	C	SS
22	151.4	165 PSIA	250°F	E	SS
23	2701.2	165 PSIA	250°F	C	ST

DESIGN FLOW

NO	FLOW
02	9100 #/HR.

▲ AUTHORIZED PRESSURE BOUNDARY REVISION - REV 0 (12-5-79)
◎ CLEARED FOR PRESSURE BOUNDARY TESTING - REV 0 (12-5-79)

NUCLEAR SAFETY RELATED

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION-UNITS 1 & 2

FLOW DIAGRAM OF
BORON RECYCLE SYSTEM
(NB)

NO.	REVISIONS	CHKD	APPR	DATE	CIVIL	ELEC.	MECH.
ORIG.	DWN PER CN-1556-1.2-C007						

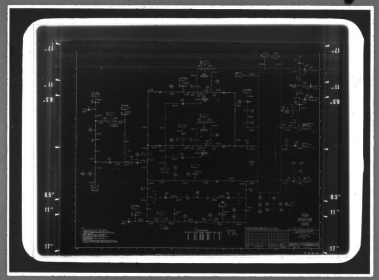
DESIGNER T.D. Cross
DRAWN K. A. YORK
CHECKED
INSP. WAIVED
APPR.

DWG. NO. CN-1556-1.5 REV 0

9.3.5-6

REDS-PDR

8107010225



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