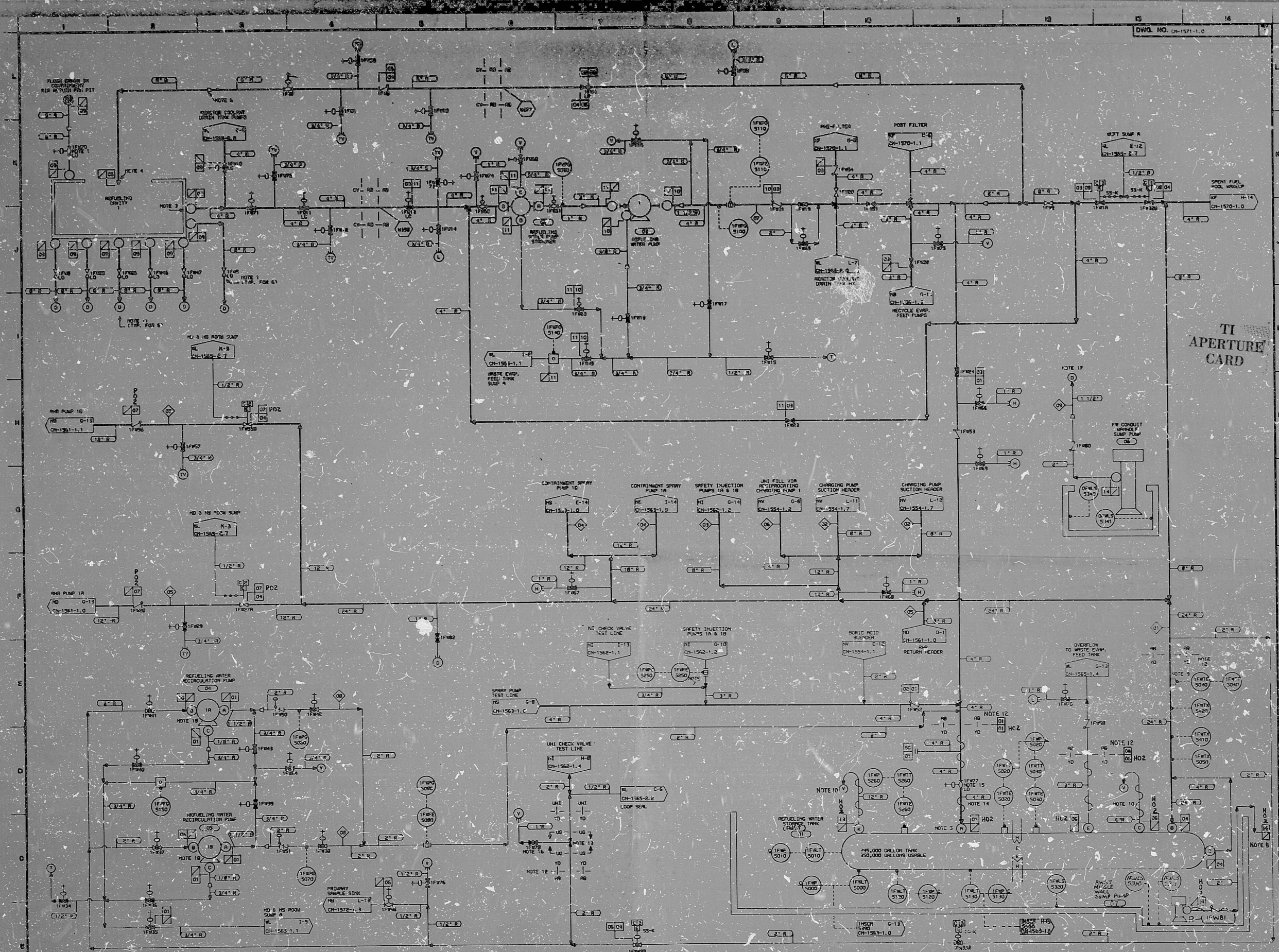




- NOTES:
1. VALVE LOCKED OPEN EXCEPT DURING REFUELING. VALVES SHOULD BE LOCKED SHUT TO PREVENT UNDESIRABLE FLOW.
 2. SYSTEM OPERATOR SHOULD BE PLACED OVER THE REFUELING CONTAINER DURING OPERATION.
 3. LOCATE FLOW INDICATOR OUTSIDE SAFETY INJECTION PUMP ROOM.
 4. LOCATE FLOW INDICATOR OUTSIDE SAFETY INJECTION PUMP ROOM.
 5. LOCATE FLOW INDICATOR OUTSIDE SAFETY INJECTION PUMP ROOM.
 6. PIPE LINES END LESS THAN 1' BELOW TOP OF WALL TO PREVENT SPRAYING WATER IN CASE OF PIPELINE SPLASH AND PROVIDED UNDER LAMP DISCHARGE.
 7. TEMPERATURE TO BE MEASURED IN OUTSIDE OF AUXILIARY BUILDING. SYSTEM OPERATOR WILL RECEIVE ALARM TO START RECIRCULATION PUMP IF FLUID TEMPERATURE IS 175°F.
 8. PIPE SHOULD BE TURNED DOWN WITH A SCREEN OVER THE FLOW INDICATOR. SCREEN OPERATOR SHOULD BE 175°F TO 178°F. NO TEST TRACK.
 9. DURING LOWER COMPARTMENT OF THE CONTAINMENT, SILICON OIL, OR OTHER TO PREVENT FLOODING OF AUXILIARY BUILDING DUE TO TANK RUPTURE.
 10. 4" RECIRCULATION LINE TO BE THROTTLED FOR FLOW INDICATOR. NOT TEST TRACK.
 11. ISOLATION VALVE REQUIRED FOR SYSTEM CLEANING AND FLUSH.
 12. NOT NECESSARY FOR HYDRO-TEST. NOT APPLICABLE ON PIPING INDICATORS.
 13. FLOW INDICATOR DATA SOURCE OF DESIGN.
 14. FLOW INDICATOR DATA SOURCE OF DESIGN.

LINE NUMBER	PIPE SIZE	MATERIAL	TEMPERATURE	CLASS	WATER
01	12" R	304 SS	110°F	1	SS
02	12" R	304 SS	110°F	1	SS
03	12" R	304 SS	110°F	1	SS
04	12" R	304 SS	110°F	1	SS
05	12" R	304 SS	110°F	1	SS
06	12" R	304 SS	110°F	1	SS
07	12" R	304 SS	110°F	1	SS
08	12" R	304 SS	110°F	1	SS
09	12" R	304 SS	110°F	1	SS
10	12" R	304 SS	110°F	1	SS
11	12" R	304 SS	110°F	1	SS
12	12" R	304 SS	110°F	1	SS
13	12" R	304 SS	110°F	1	SS
14	12" R	304 SS	110°F	1	SS

DESIGN FLOW

LINE	FLOW
01	16,400 GPM
02	16,400 GPM
03	16,400 GPM
04	16,400 GPM
05	16,400 GPM
06	16,400 GPM
07	16,400 GPM
08	16,400 GPM
09	16,400 GPM
10	16,400 GPM
11	16,400 GPM
12	16,400 GPM
13	16,400 GPM
14	16,400 GPM

AS BUILT

DATE: 10-1-68

BY: [Signature]

FOR: [Signature]

REVISIONS:

NO.	DATE	DESCRIPTION
1	10-1-68	AS BUILT

QA CONDITION 2

QA CONDITION 1

CUKE POWER COMPANY

CATMAN NUCLEAR STATION UNIT 1

FLUID DIAGRAM OF REFUELING WATER SYSTEM (FWS)

DWG. NO. CH-1571-1.0

PDR RIDS

8406020337

