AUXILIARY FEEDWATER PUMPS (CLASS-1)

CONDENSATE PUMPS

VACUUM DEAERATOR SYSTEM

AUX.BOILER BUILDING

MAKE-UP WATER RESIN FILTERS

STEAM JET AIR EJECTORS CONDENSERS

400 GPM HOTWELL DUMP & CONDENSATE TRANSFER PUMP

LOW LEVEL TRIP POT

GLAND STEAM CONDENSER

LEVEL CONTROL CHAMBER

HEATER #32A

HEATER #32B

HEATER #32C

HEATER #31A

HEATER #31B

HEATER #31C

EXHAUST HOOD SPRAY

CONDENSER-33

CONDENSER-32

CONDENSER-31

HOTWELL

L.P. TURBINE EXHAUST HOOD SPRAY

VENT HOOD

FLOOR TRENCH

MANHOLE AND MUSHROOM VENT

VENT FILTER CHEM. ADDITION

DIAPHRAGM

OVERFLOW

600,000 GAL. CONDENSATE STORAGE TANK (CLASS I EQUIP.)

ENCLOSED & HEATED

DRAIN TO MANHOLE #9 3/4"DR. CT-98

SEE ISI-20173

800 GPM

TEMP STRAINER (TYP)

*LOCATION AUX. F.W. PUMP #32 TURB. GAGE BOARD

400GPM

TO SOV-1321 9321-F-20193

TO CHEM. FEED TANK 9321-F-20383

TO HEATER DRAINS PUMPS OUTLET 9321-F-20183 SH.2 (B-6)

CONDENSATE POLISHER SEE DWG9321-F-20183 (SH.5)

TO SAMPLE SYS 9321-F-70203

24"MANHOLE

DRAIN

CD-4-1 & CD-4-2 MUST BE OPEN WHILE TURBINE GENERATOR IS OPERATING CONTROL VALVE MUST HAVE PRESSURE ON BOTH SIDES TO OPEN.

EXISTING 12"CITY WATER (UNIT NO.1) SEE CON ED DWG 138269

INTERLOCK WITH FCV-1132 (9321-F-20173)

COPPER C.S.

COND SPOT AT EL 53'-0" MSR#32B

CONT FROM ZONE "D-6" BELOW

CONT'D IN ZONE H-6 ABOVE

FROM PORTABLE DEMIN.SYSTEM B&R M025

MAKE-UP WATER RESIN RETENTION FILTERS GROUP 3

DRAIN TO TRENCH

FROM CONT. 9321-F-20233

FROM WATER FACILITY 9321-F-20173 SH.1(A-4)

TO HEAD TANK 9321-F-20183 CONT. ON SH.3

L.P.HEATER BYPASS

TO L.P.FEEDWATER HEATERS 33A,B&C CONT.ON 9321-F-20183 SH.2 (D-2)

2"DRAIN TO DISCH. TUNNEL

B.F.P.SEALWATER CONT.ON 9321-F-20323

FROM BLOWDOWN RECOVERY 9321-F-20453

FROM MAKE-UP WATER RESIN FILTERS 9321-F-20173

FROM B.F.P. SEAL WATER DRAIN PUMP DWG 9321-F-20323

TIE IN FROM DEMIN. WATER(SEE DWG9321-F-27243)

UNIT#1 CON EDISON

TO DEMIN.& MAKE-UP WATER RESIN FILTERS SEE DWG. B&R M025(C-1)

CHEM.FEED 9321-F-20383 (TYP.3 PLACES)

FOR INSTR.SAMPLING SYSTEM SEE DWG.9321-F-70203 (TYPICAL)

INSRUMENT AIR

AIR EJECTOR

VACUUM PUMP#31

VACUUM PUMP#32

WATER TRAP SILENCER

SWALE STATION

TO SWAP LAB

NOTES:

1. (XX) =PENETRATION NUMBER(REF.F.S.A.R.)
2. THIS DWG.SHALL BE USED ONLY FOR DETERMINING THE EXTENT OF THE INSERVICE INSPECTION BOUNDARIES.
3. BOUNDARIES SHOWN TO INCLUDE BOUNDARY VALVES WHERE APPROPRIATE. THE ACTUAL PRESSURE RETAINING I.S.I. BOUNDARIES FOR LEAKAGE AND HYDROSTATIC TESTING EXTEND ONLY TO VALVE INTERNALS THAT COMPRISE THE EFFECTIVE OBTURATOR ASSEMBLY.

ISI LEGEND

---3---3--- ISI CLASS III

THIS ISI DWG.IS BASED ON U.E.& C.DWG.NO.9321-F-20183-25

Duplicate-Do Not Use for Design Changes

| REV NO | DATE | DESCRIPTION | DWN | CHK'D | DES | DE | PROJ APP. |
|---|---|---|---|---|---|---|---|
| 2 | 6/89 | INITIAL ISSUE | TA | | | | |

REVISIONS

| | |
|---|---|
| DWN MG | CHK'D |
| DES SUPV | INDIAN POINT NO.3 NUCLEAR POWER PLANT |
| DISCIPLINE ENG | |
| DISCIPLINE MGR. | FLOW DIAGRAM CONDENSATE & BOILER FEED PUMP SUCTION |
| PROJ APPROVAL | |
| DATE | |

NewYorkPower Authority

SCALE NONE

DWG NO ISI-20183 REV 2

SHEET OF

SI APERTURE CARD

5D-286
8911080062
10/30/89