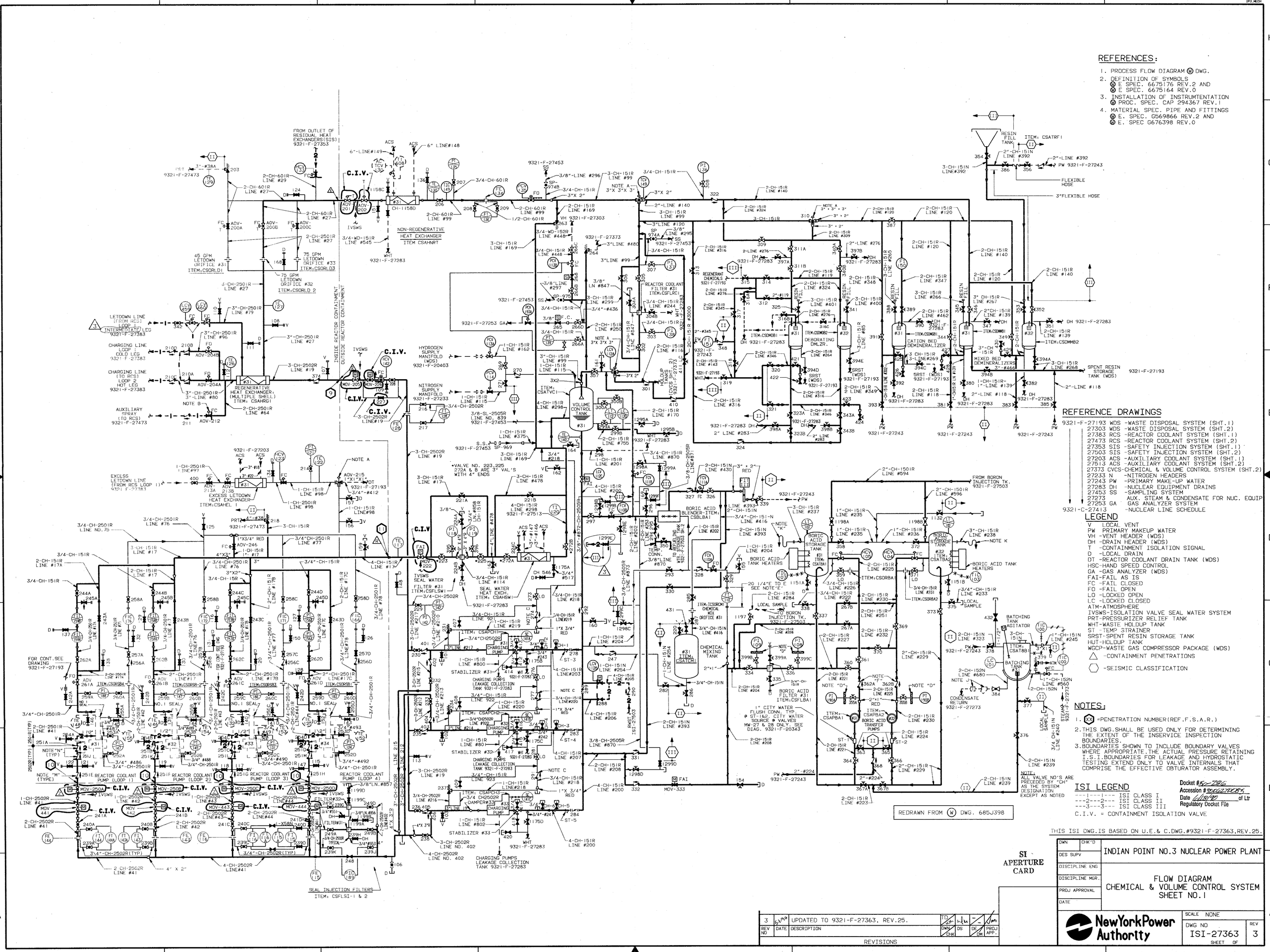

REFERENCES:
1. PROCESS FLOW DIAGRAM (W) DWG.
2. DEFINITION OF SYMBOLS
(W) E SPEC. 6675176 REV.2 AND
(W) E SPEC. 6675164 REV.0
3. INSTALLATION OF INSTRUMTENTATION
(W) PROC. SPEC. CAP 294367 REV.1
4. MATERIAL SPEC. PIPE AND FITTINGS
(W) E. SPEC. G569866 REV.2 AND
(W) E. SPEC G676398 REV.0
REFERENCE DRAWINGS
9321-F-27193 WDS -WASTE DISPOSAL SYSTEM (SHT.1)
27303 WDS -WASTE DISPOSAL SYSTEM (SHT.2)
27383 RCS -REACTOR COOLANT SYSTEM (SHT.1)
27473 RCS -REACTOR COOLANT SYSTEM (SHT.2)
27353 SIS -SAFETY INJECTION SYSTEM (SHT.1)
27503 SIS -SAFETY INJECTION SYSTEM (SHT.2)
27203 ACS -AUXILIARY COOLANT SYSTEM (SHT.1)
27513 ACS -AUXILIARY COOLANT SYSTEM (SHT.2)
27373 CVCS-CHEMICAL & VOLUME CONTROL SYSTEM (SHT.2)
27233 N -NITROGEN HEADERS
27243 PW -PRIMARY MAKE-UP WATER
27283 DH -NUCLEAR EQUIPMENT DRAINS
27453 SS -SAMPLING SYSTEM
27273 AUX. STEAM & CONDENSATE FOR NUC. EQUIP
27253 GA GAS ANALYZER SYSTEM
9321-C-27413 -NUCLEAR LINE SCHEDULE
LEGEND
V LOCAL VENT
PW PRIMARY MAKEUP WATER
VH -VENT HEADER (WDS)
DH -DRAIN HEADER (WDS)
T -CONTAINMENT ISOLATION SIGNAL
D -LOCAL DRAIN
DT -REACTOR COOLANT DRAIN TANK (WDS)
HSC-HAND SPEED CONTROL
GA -GAS ANALYZER (WDS)
FAI-FAIL AS IS
FC -FAIL CLOSED
FO -FAIL OPEN
LO -LOCKED OPEN
LC -LOCKED CLOSED
ATM-ATMOSPHERE
IVSWS-ISOLATION VALVE SEAL WATER SYSTEM
PRT-PRESSURIZER RELIEF TANK
WHT-WASTE HOLDUP TANK
ST -TEMP STRAINER
SRST-SPENT RESIN STORAGE TANK
HUT-HOLDUP TANK
WGCP-WASTE GAS COMPRESSOR PACKAGE (WDS)
△ -CONTAINMENT PENETRATIONS
⬡ -SEISMIC CLASSIFICATION
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
---1---1--- ISI CLASS I
---2---2--- ISI CLASS II
---3---3--- ISI CLASS III
C.I.V. = CONTAINMENT ISOLATION VALVE
Docket #50-286
Accession #
Date 6/18/90 of Ltr
Regulatory Docket File
REDRAWN FROM (W) DWG. 685J398
THIS ISI DWG.IS BASED ON U.E.& C.DWG.#9321-F-27363,REV.25.
SI APERTURE CARD
INDIAN POINT NO.3 NUCLEAR POWER PLANT
FLOW DIAGRAM
CHEMICAL & VOLUME CONTROL SYSTEM
SHEET NO.1
NewYorkPower Authority
SCALE NONE
DWG NO ISI-27363
REV 3
3 5.1.90 UPDATED TO 9321-F-27363, REV.25.
REVISIONS