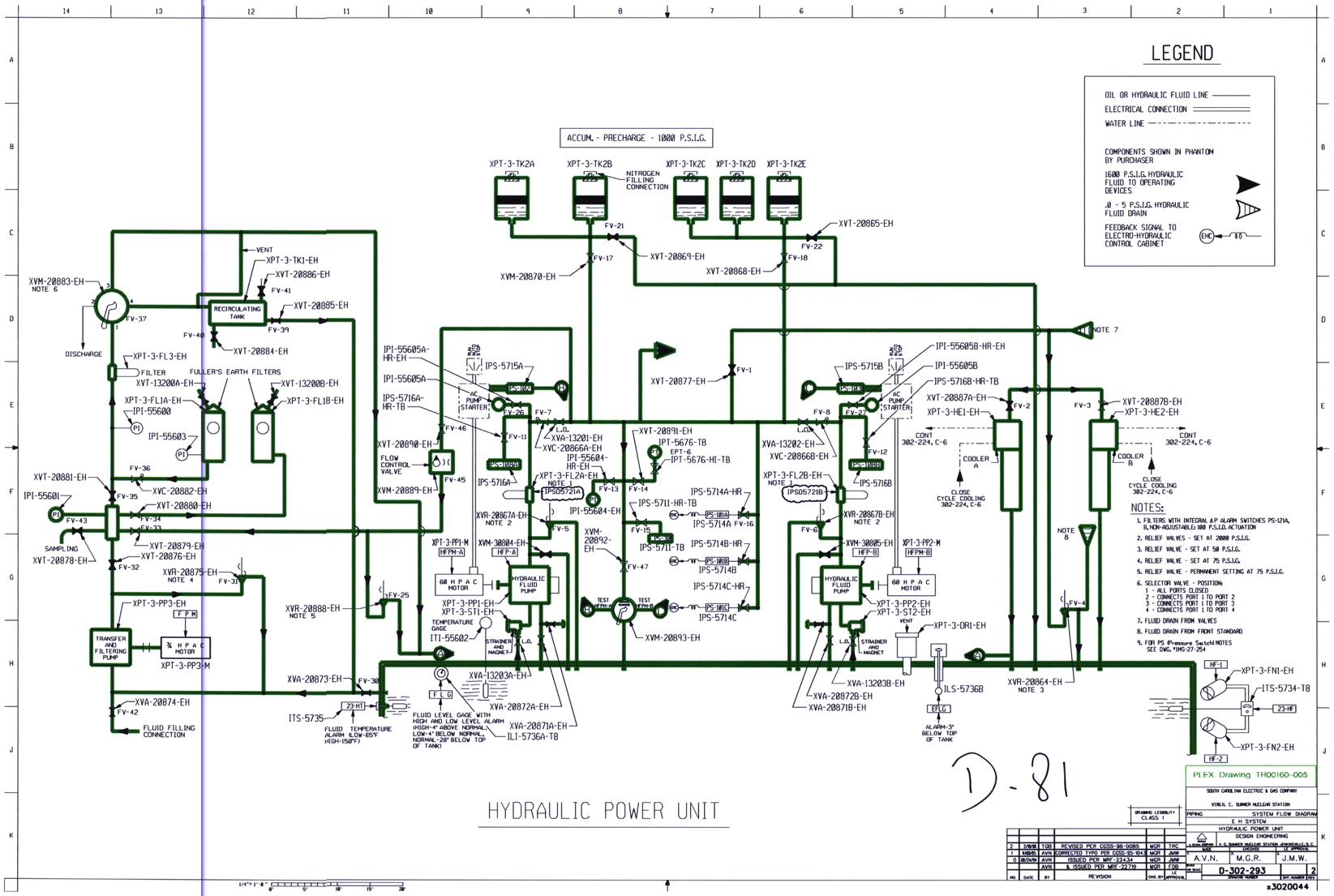
LEGEND
OIL OR HYDRAULIC FLUID LINE
ELECTRICAL CONNECTION
WATER LINE
COMPONENTS SHOWN IN PHANTOM BY PURCHASER
1600 P.S.I.G. HYDRAULIC FLUID TO OPERATING DEVICES
.0 - 5 P.S.I.G. HYDRAULIC FLUID DRAIN
FEEDBACK SIGNAL TO ELECTRO-HYDRAULIC CONTROL CABINET
ACCUM. - PRECHARGE - 1000 P.S.I.G.
XPT-3-TK2A
XPT-3-TK2B
NITROGEN FILLING CONNECTION
XPT-3-TK2C
XPT-3-TK2D
XPT-3-TK2E
XVT-20865-EH
XVT-20869-EH
XVT-20868-EH
XVM-20870-EH
XVM-20883-EH NOTE 6
DISCHARGE
VENT
XPT-3-TK1-EH
XVT-20886-EH
RECIRCULATING TANK
XVT-20885-EH
XVT-20884-EH
XPT-3-FL3-EH
FILTER
FULLER'S EARTH FILTERS
XVT-13200A-EH
XVT-13200B-EH
XPT-3-FL1A-EH
XPT-3-FL1B-EH
IPI-55600
IPI-55603
XVT-20881-EH
IPI-55601
XVC-20882-EH
XVT-20880-EH
SAMPLING
XVT-20878-EH
XVT-20879-EH
XVT-20876-EH
XVR-20875-EH NOTE 4
XPT-3-PP3-EH
TRANSFER AND FILTERING PUMP
¾ H P A C MOTOR
XPT-3-PP3-M
XVA-20874-EH
FLUID FILLING CONNECTION
XVR-20888-EH NOTE 5
XVA-20873-EH
ITS-5735
FLUID TEMPERATURE ALARM (LOW-65°F HIGH-150°F)
IPI-55605A-HR-EH
IPI-55605A
IPS-5716A-HR-TB
IPS-5715A
AC PUMP STARTER
XVT-20890-EH
FLOW CONTROL VALVE
XVM-20889-EH
XVA-13201-EH
XVC-20866A-EH
IPI-55604-HR-EH
IPS-5716A
XPT-3-FL2A-EH NOTE 1
IPS05721A
IPI-55604-EH
XVR-20867A-EH NOTE 2
XPT-3-PP1-M
HFPM-A
60 H P A C MOTOR
XVM-20804-EH
HFP-A
HYDRAULIC FLUID PUMP
XPT-3-PP1-EH
XPT-3-ST1-EH
TEMPERATURE GAGE
ITI-55602
STRAINER AND MAGNET
XVA-13203A-EH
XVA-20872A-EH
XVA-20871A-EH
ILI-5736A-TB
FLUID LEVEL GAGE WITH HIGH AND LOW LEVEL ALARM (HIGH-4" ABOVE NORMAL, LOW-4" BELOW NORMAL, NORMAL-28" BELOW TOP OF TANK)
XVT-20877-EH
XVT-20891-EH
IPT-5676-TB
EPT-6
IPT-5676-HI-TB
IPS-5711-HR-TB
IPS-5714A-HR
IPS-5714A FV-16
IPS-5714B-HR
IPS-5714B
IPS-5714C-HR
IPS-5714C
XVM-20892-EH
XVM-20893-EH
IPI-55605B-HR-EH
IPI-55605B
IPS-5716B-HR-TB
XVT-20887A-EH
XPT-3-HE1-EH
XVA-13202-EH
XVC-20866B-EH
XPT-3-FL2B-EH NOTE 1
IPS05721B
IPS-5716B
XVR-20867B-EH NOTE 2
XVM-20805-EH
HFP-B
XPT-3-PP2-M
HFPM-B
XPT-3-PP2-EH
XPT-3-ST2-EH
XPT-3-DR1-EH
XVA-13203B-EH
XVA-20872B-EH
XVA-20871B-EH
ILS-5736B
ALARM-3" BELOW TOP OF TANK
XVR-20864-EH NOTE 3
NOTE 7
CONT 302-224, C-6
COOLER A
CLOSE CYCLE COOLING 302-224, C-6
XVT-20887B-EH
XPT-3-HE2-EH
COOLER B
NOTE 8
XPT-3-FN1-EH
ITS-5734-TB
XPT-3-FN2-EH
NOTES:
1. FILTERS WITH INTEGRAL &P ALARM SWITCHES PS-121A, B, NON-ADJUSTABLE; 100 P.S.I.D. ACTUATION
2. RELIEF VALVES - SET AT 2000 P.S.I.G.
3. RELIEF VALVE - SET AT 50 P.S.I.G.
4. RELIEF VALVE - SET AT 75 P.S.I.G.
5. RELIEF VALVE - PERMANENT SETTING AT 75 P.S.I.G.
6. SELECTOR VALVE - POSITIONS
1 - ALL PORTS CLOSED
2 - CONNECTS PORT 1 TO PORT 2
3 - CONNECTS PORT 1 TO PORT 3
4 - CONNECTS PORT 1 TO PORT 4
7. FLUID DRAIN FROM VALVES
8. FLUID DRAIN FROM FRONT STANDARD
9. FOR PS Pressure Switch NOTES SEE DWG. 1265-27-254
HYDRAULIC POWER UNIT
D-81
PLEX Drawing TR00160-005
SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
PIPING
SYSTEM FLOW DIAGRAM
E H SYSTEM
HYDRAULIC POWER UNIT
DESIGN ENGINEERING
DRAWING LEGIBILITY CLASS 1
2 3/8/98 TGB REVISED PER GDSS-98-0085 MGR TRC
1 11/8/95 AVN CORRECTED TYPO PER GDSS-95-1041 MGR JWM
0 02/04/91 AVN ISSUED PER MRF-22434 MGR JWM
AVN & ISSUED PER MRF-22719 MGR TGB
NO. DATE BY REVISION DWG. BY LE APPROVAL
A.V.N. M.G.R. J.M.W.
D-302-293 2
DRAWING NUMBER SHT. NUMBER REV.
x3020044