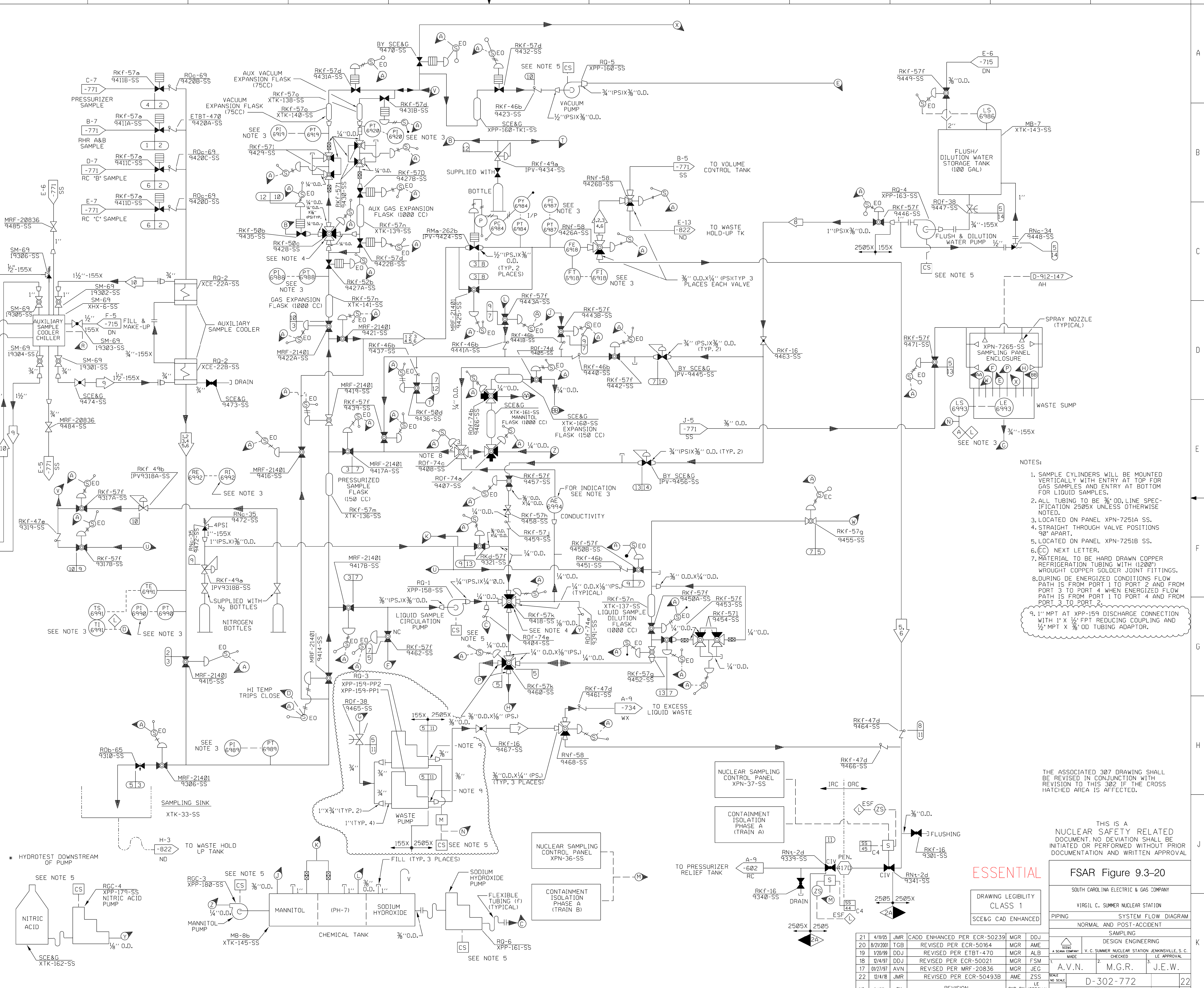


#	QPM	PSIG	°F	BY	REMARKS
1	05	600	80	DTK	NORMAL
2	05	2235	80	DTK	NORMAL
3	05	2235	80	DTK	NORMAL
4	10	2235	80	DTK	NORMAL
5	12	2235	80	DTK	POST ACCIDENT
6	15	600	80	DTK	FLUSH
7	15	500	80	DTK	-
8	10	110	80	DTK	FLUSH & DILUTION
9	24	39	50	JDM	-
10	24	39	60	JDM	-

SAFETY CLASS VERIFICATION	
ORIGINATED BY	14 JAN '81
REVIEWED BY	15 JAN '81

#	PSIG	°F	PSIG	°F	DURA	HY-DRG	BY	CHKD	REMARKS
1	535	350	600	350	+	750			
2	2235	135	2485	135		3107			
3	2235	135	2485	135		3107			
4	2235	135	2485	135		3107			
5	ATM	135	2	135		ATM			
6	2235	135	2485	644		3107			
7	5	120	110	120		165			
8	600	135	900	135		680			
9	2	120	4	120		6			
10	75	120	2000	120		3500			
11	500	120	625	120		760			
12	2	120	110	120		225			
13	50	120	110	120		165			
14	110	120	110	120		165			

NOTE: MINIMUM HYDROTEST TEMP. 40°F	
14	110
13	50
12	2
11	500
10	75
9	2
8	600
7	5
6	2235
5	ATM
4	2235
3	2235
2	2235
1	535



- NOTES:
1. SAMPLE CYLINDERS WILL BE MOUNTED VERTICALLY WITH ENTRY AT TOP FOR GAS SAMPLES AND ENTRY AT BOTTOM FOR LIQUID SAMPLES.
 2. ALL TUBING TO BE 3/8" O.D. LINE SPECIFICATION 2505X UNLESS OTHERWISE NOTED.
 3. LOCATED ON PANEL XPN-7251A SS.
 4. STRAIGHT THROUGH VALVE POSITIONS 90° APART.
 5. LOCATED ON PANEL XPN-7251B SS.
 6. (CC) NEXT LETTER.
 7. MATERIAL TO BE HARD DRAWN COPPER REFRIGERATION TUBING WITH (1200) WROUGHT COPPER SOLDER JOINT FITTINGS.
 8. DURING DE ENERGIZED CONDITIONS FLOW PATH IS FROM PORT 1 TO PORT 2 AND FROM PORT 3 TO PORT 4 WHEN ENERGIZED FLOW PATH IS FROM PORT 1 TO PORT 4 AND FROM PORT 3 TO PORT 2.
 9. 1" MPT AT XPP-159 DISCHARGE CONNECTION WITH 1" X 1/2" FPT REDUCING COUPLING AND 1/2" MPT X 3/8" O.D TUBING ADAPTOR.

THE ASSOCIATED 307 DRAWING SHALL BE REVISED IN CONJUNCTION WITH REVISION TO THIS 302 IF THE CROSS HATCHED AREA IS AFFECTED.

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

ESSENTIAL

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

FSAR Figure 9.3-20	
SOUTH CAROLINA ELECTRIC & GAS COMPANY	
VIRGIL C. SUMNER NUCLEAR STATION	
PIPING SYSTEM FLOW DIAGRAM	
NORMAL AND POST-ACCIDENT	
SAMPLING	
DESIGN ENGINEERING	V. C. SUMNER NUCLEAR STATION, JENNINGSVILLE, S.C.
CHECKED	LE. APPROVAL
1. A.V.N.	2. M.G.R.
3. J.E.W.	
NO. DATE BY	REVISION
21 4/10/85 JMR	CAOD ENHANCED PER ECR-50239 MGR DDJ
20 8/21/2001 TGB	REVISED PER ECR-50164 MGR AME
19 1/20/99 DDJ	REVISED PER ETBT-470 MGR ALB
18 12/4/97 DDJ	REVISED PER ECR-50021 MGR FSM
17 01/27/97 AVN	REVISED PER MRF-20836 MGR JEG
22 12/4/88 JMR	REVISED PER ECR-504938 AME ZSS
SCALE: D-302-772	
DRAWING NUMBER	
SHEET NUMBER	

