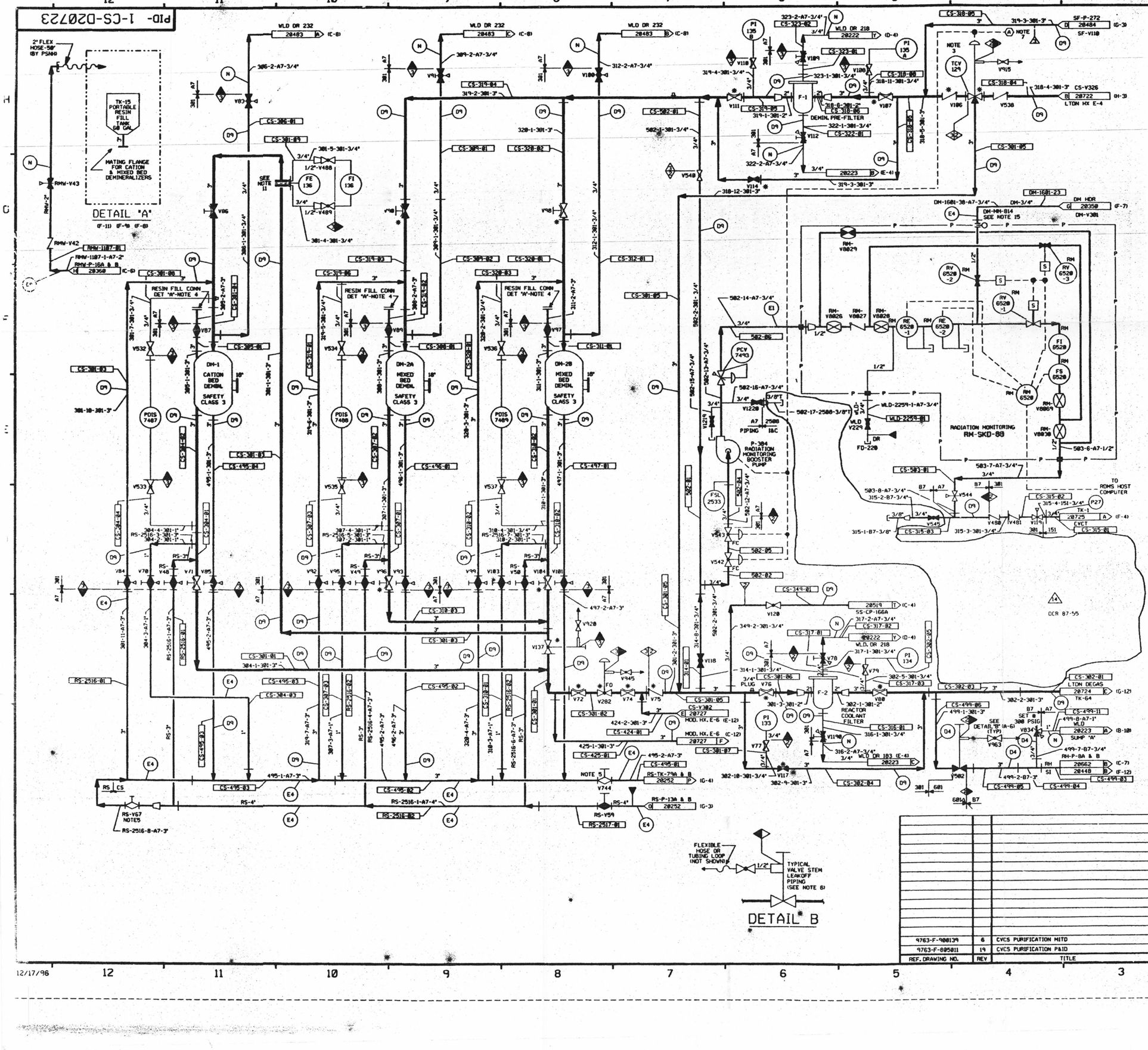
FOR INFORMATION ONLY

PID- 1-CS-D20723



FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID - LEGEND 1 AND P&ID - LEGEND 2

LEGEND

		DESIGN PRESSURE	TEST PRESSURE	MIN. TEST TEMP° F	TEST MEDIUM
	TEST BOUNDARY				
D4	INTEGRITY TEST	600 PSIG	750/795 PSIG	35	WATER
D9	INTEGRITY TEST	240 PSIG	300/318 PSIG	35	WATER
E1	INTEGRITY TEST (IS)	250 PSIG	375/398 PSIG	35	WATER
E4	INTEGRITY TEST (IS)	150 PSIG	225/245 PSIG	35	WATER
E9	INTEGRITY TEST (IS)	200 PSIG	300/318 PSIG	35	WATER
P27	INTEGRITY TEST	75 PSIG	94/100 PSIG	35	AIR/N_2
N	NO TEST REQUIRED				

NOTES:
A. VENTS & DRAINS (ASME CL. 2 & 3, NMS 1 SHALL BE TESTED TO THE LAST ISOLATION VALVE.
B. ASME (D4) TEST IS EXTENDED TO THE ANSI PORTION PER MM-13001A

NOTES:
1. WORK THIS DWG WITH DWGS. 20720, 20722, & 20724 THRU 20729.
2. ALL LINES, EQUIPMENT, COMPONENTS & INSTRUMENTS HAVE SYSTEM PREFIX "CS", UNLESS NOTED OTHERWISE.
3. VALVE FAILS WITH FLOW BY-PASSING THE DEMINERALIZERS & GOING TO CS-F-2
4. BLIND FLGS. INSTALLED WITHOUT GASKET
5. THIS VALVE TO BE CLOSED PRIOR TO ANY RESIN SLUICING OPERATIONS.
6. REFER TO DRAWING VSL-20774 FOR VALVE LEAKOFFS.
7. INSTRUMENT REFERENCE (A) LETDOWN EXCHANGER CS-E-4 & CS-E-8 OUTLET TEMP. TIS-129 & TIS-382 ON DWG. 20722
8. CLEANLINESS CLASS "B".
9. * INDICATES VALVES SUPPLIED BY WESTINGHOUSE
10. DELETED
11. ORIFICE PLATE "NON-ASME"
12. SYSTEM DESCRIPTION NO NAH/NCH-282
13. △ INDICATES REVISION LEVEL.
14. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.
15. SPECTACLE FLANGE SHOWN IN NORMAL POSITION REVERSED ONLY DURING PURGING OPERATIONS.
16. DELETED. (A) DCR 87-55

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	QDE	SES	DESCRIPTION
14	12/17/97	MPW	—	[illegible]	DWS	RJF	INCORP DCR 87-55 CA0 AND DCN 01
13	3/21/96	BCS	—	DWS	MPW	RJF	INCORP MMOD 940574 CA#01
12	2/28/96	DWS	—	BCS	MPW	VWS	INCORP MMOD 940574 CA#0
11	3/4/94	MRB	—	BCL	DWS	GRM	INCORP. MMOD 92-553 CA01
10	4/5/93	BCL	—	MPW	MRB	WFZ	INCORP. MMOD 91-507 CA0
9	4/13/92	MRB	—	BCL	DWS	JE*	INCORP. MMOD 91-515 CA0
8	10/8/91	MRB	RMC	JM	APL	ES	INCORP. MMOD 91-511 CA0 AND MMOD 91-625 CA0 ADDED & REV. ISO REF DWG NUMBERS
7	2/26/91	MRB	FCB	RMC	APL	BCL	INCORP MMOD 90-648 CA01
6	9/24/90	MRB	FCB	RMC	APL	BCL	INCORP MMOD 90-516 CA0 DELETED NOTE 10
5	5/24/89	MRB	RMC	GPM	PAL	RRC	INCORPORATED DCR 87-264 CA 89 REVISED: NOTE 2
4	5/25/88	GPM	RMC	APL	BCL	DJM	INCORP. DCR 87-323 REVISED LINE SIZE FOR LINE CS-319-4. PIPING PER AS INSTALLED CONF. VALVE POSITION PER DWG. 586272 LEGEND NOTE A PER 9763-F-900808 & ANSI B31.1-1977 SEC. 137.1.2E ADDED DETAIL B NOTE AT TIS-V363 & CLASS DESIGNATION AND ISO DWG NO. ALPHA DESIGNATION FOR TEST NOTES, SYS. DESIGNATION FOR ISO DWG NO. & NOTE 8 DELETED; REF. DWG. NNS-1 CL. BOUNDARY
3	3/28/87	MRJ	HTW	WDS	BCL	RRC	ADDED 3" PIPE AND FLANGE PER ECA 99/116756A, ADDED NOTE AND DWG COORDS FOR DETAIL A, ADDED CONTINUATION FLAG LETTERS AND CORRECTED DRAFTING ERRORS, DELETED DETAIL "B".
2	12/12/86	JDM	OPO	PAL	BCL	RRC	INCORP ECA 99/116756A
1	10/17/86	MPW	OPO	MAP	BCL	RRC	ADDED NOTE 14 & DWG LOC COORD REV'D PER LE&C PIPING ERECTION ISO'S. REV'D TO CLARIFY DUPLICATION OF ASSOC SYSTEMS. DELETED DWG REF. ADDED LINE NO'S, NOTES, MITD REF DWG, ISO NO'S. REC INCORP ECA 99/114510A. INCORP NCR 82/1175F, DCM 68/177A, ADDED VALVES RM-V8826 THRU V8830, V8869 PER FP-71272, CORRECTED CONTINUATIONS.
0	6/23/86	DWS	LE&C CADD	BCL	JMS	RRC	ISSUED FOR OPERATIONS

REF. DRAWING NO.	REV	TITLE
9763-F-900139	6	CVCS PURIFICATION MITD
9763-F-805011	19	CVCS PURIFICATION P&ID

North Atlantic Energy Service Corporation

SEABROOK STATION

CHEMICAL & VOLUME CONTROL SYS. PURIFICATION DETAIL

PID- 1-CS-D20723

12/17/96

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