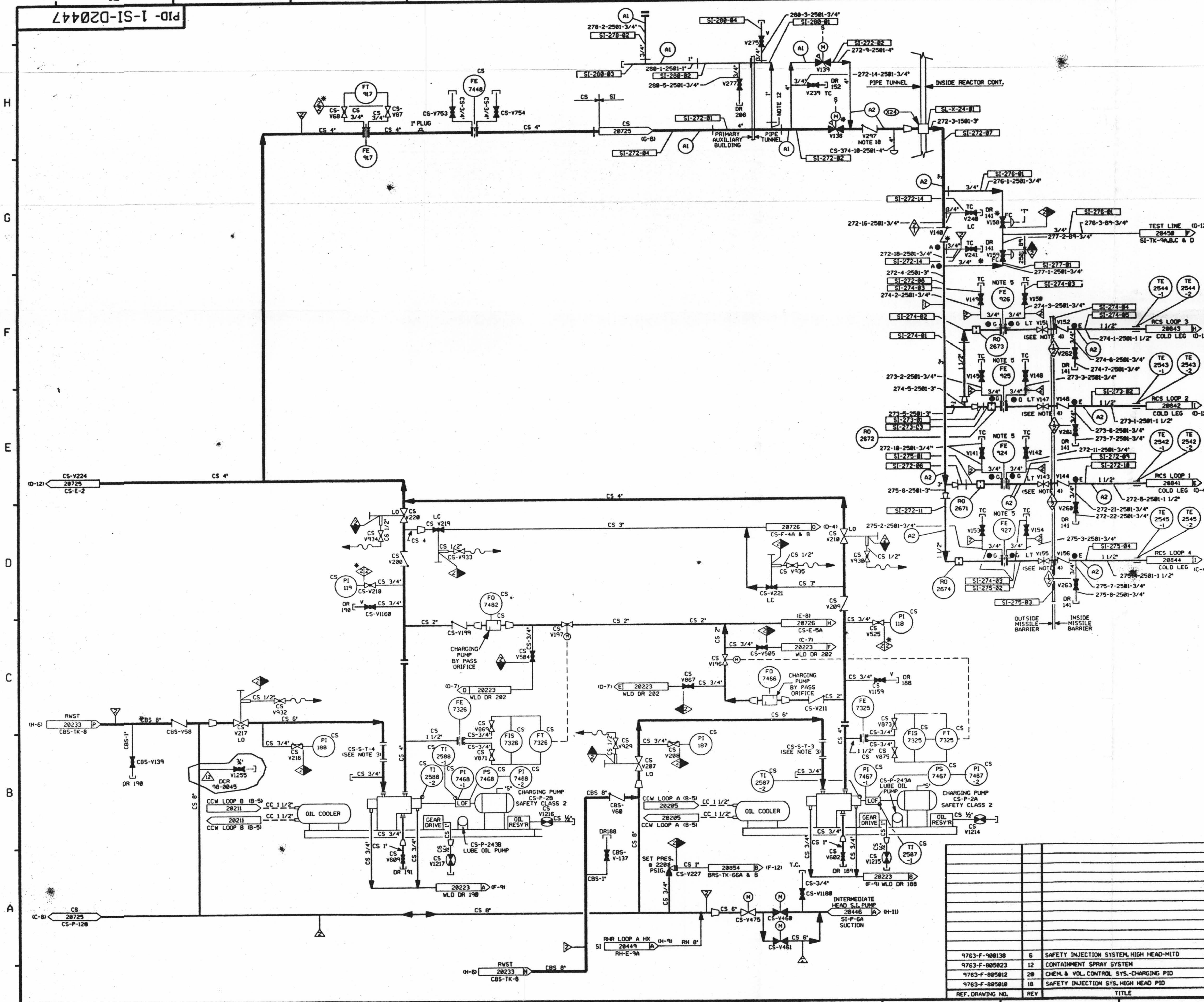
FOR INFORMATION ONLY



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				
TB TEMPORARY TEST BOUNDARY				
(A1) INTEGRITY TEST	2735 PSIG	3419/3624 PSIG	35	WATER
(A2) INTEGRITY TEST	2485 PSIG	3106/3292 PSIG	35	WATER

NOTE:

A. VENTS & DRAINS WITH CAPS/BLIND FLANGES ETC. (ASME CL. 2 & 3) SHALL BE TESTED TO THE LAST ISOLATION VALVE.

NOTES:

1. WORK THIS DRAWING WITH DRAWINGS 20445 THRU 20450. PORTIONS OF THE CS SYSTEM DUPLICATED ON THIS DRAWING ARE DETAILED ON CS-20725 DUE TO DUAL SYSTEM FUNCTIONS.
2. ALL PIPES, VALVES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SI, UNLESS NOTED OTHERWISE.
3. DELETED
4. ADJUST VALVES IN FIELD TO LIMIT PUMP RUN OUT, THEN LOCK.
5. FLOWMETER ORIFICE TO VERIFY FLOW DURING PREOPERATIONAL TEST.
6. VENT AND DRAIN CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-005111 UNLESS NOTED OTHERWISE.
7. DELETED
8. CLEANLINESS CLASS "B"
9. * INDICATES VALVES SUPPLIED BY WESTINGHOUSE.
10. ● INDICATES 3/8" FLOW RESTRICTOR INSTALLED, SEE APPLICABLE DETAIL ON DRAWING RC-20848.
11. DELETED
12. LOCATE CONNECTION CLOSE TO VALVES V138 & V139.
13. DELETED
14. DELETED
15. DELETED
16. SYSTEM DESCRIPTION NUMBER IS NAH/NCH-284
17. △ INDICATES REVISION LEVEL
18. INTERNALS REMOVED FROM CHECK VALVE SI-V297.
19. ALL FUNCTIONAL TEST ARE PREFIXED 1810.
20. FUNCTIONAL TEST BOUNDARYS ARE DESIGNATED BY THE LAST 3 DIGITS.

PORTIONS OF THIS DRAWING ARE

NUCLEAR SAFETY RELATED

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
12	4/22/99	RWS	—	DWS	BCS	GGM	INCORP. DCR 98-0045 DCN 00, 04
11	5/28/97	MPW	—	DWS	FAC	RRB	INCORP. DCR 96-0021 DCN 00
10	11/12/95	BCL	—	MPW	VWS	RSG	INCORP. MMOD 90-598 CA-0
9	4/14/94	BCL	—	MPW	DWS	DMO	INCORP. MMOD 93-517 CA-0
8	10/8/92	BCL	—	DWS	MRB	DMP	INCORP. DCR 89-73 CA0 REV LINE NO. PER REF'D ISO
7	4/20/92	MRB	—	DWS	BCL	JEV	INCORP. MMOD 91-515, CA0
6	12/5/89	MRB	RMC	PAL	APL	WFD	INCORP. DCR 89-12 CA02
5	8/18/89	MRB	RMC	DWS	APL	CM	INCORP. MMOD 89-530 REV 00 DELETED NOTE 7
4	6/30/88	GPM	RMC	APL	BCL	PAS	REVISED: LEGEND NOTE A ADDED: "S" SIGNAL FOR V138 PER NHY DWG 509048. ISO DWG NO. & BOUNDARY
3	11/23/87	GPM	JM	DWS	BCL	RRC	INCORPORATED: DCR 87-159, REV'D: NOTES 1,6,10 & 16, LEGEND NOTE 4 PER 9763-F-900000. ADDED: CONT. DWG NO'S & COORD'S, FLOW RESTRICTOR INDICATOR SYM. CONTINUATION COORD. INTEG. TEST INFO. A2, ALPHA DESIGNATION FOR LEGEND NOTE. DELETED NOTES 3,11,13,14 & 15, NON SI FLOW PATH PIPING, REDUNDANT DWG. CONT. NNS-1 CL BRK., DUPLICATED TECH. INFO. INTEG. TEST INFO., LINE NO'S, INTEG. TEST DESIGNATIONS & BOUNDARIES, ISO DWG NO'S & BOUNDARIES, PIPE SPC. BRKS. & REF DWGS
2	2/6/87	MRJ	HIW	PAL	BCL	VWS	REVISED FLOW INSTR. SYS. PREFIX PER DWG. M-506291.
1	10/10/86	WDS	DWS	BCL	VNK	RRC	ADDED DWG COOR LOC AND NOTES 16 & 17. REMOVED SAFETY CLASS BRKS PER NOTE 6. CORRECTED ISO NO FROM CS-466-04 TO CS-446-03.
0	6/23/86	OPO	UE&C CADD	DWS	JMCS	RRC	ISSUED FOR OPERATIONS

REF. DRAWING NO.	REV	TITLE
9763-F-900138	6	SAFETY INJECTION SYSTEM, HIGH HEAD-MITD
9763-F-805023	12	CONTAINMENT SPRAY SYSTEM
9763-F-805012	20	CHEM. & VOL. CONTROL SYS.-CHARGING PID
9763-F-805010	18	SAFETY INJECTION SYS. HIGH HEAD PID

North Atlantic Energy Service Corporation

SEABROOK STATION

SAFETY INJECTION SYSTEM HIGH HEAD INJECTION SYSTEM DETAIL

PID- 1-SI-D20447

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