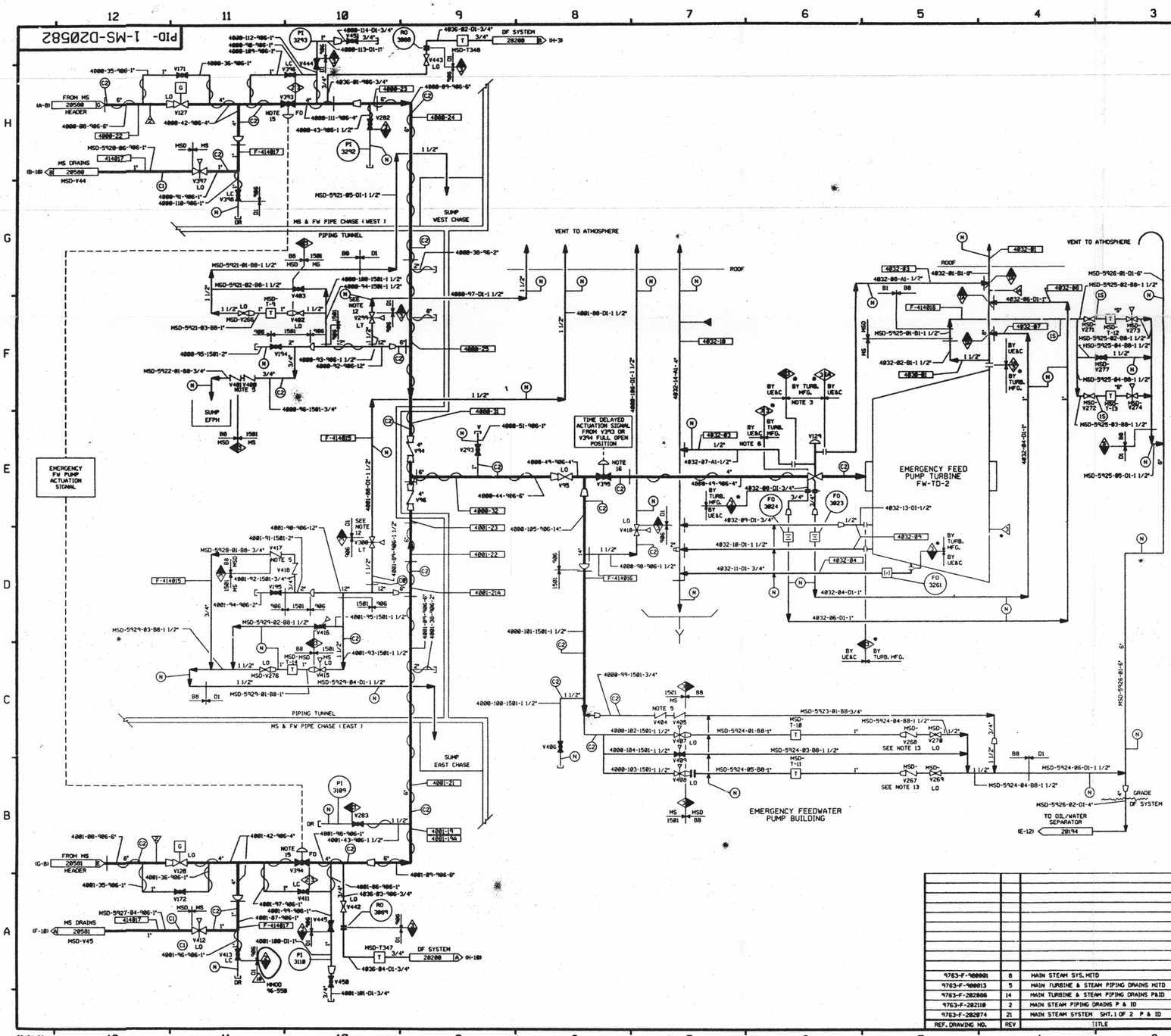
FOR INFORMATION ONLY

PID- 1-MS-D20582



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				
(C1) INTEGRITY TEST	1185 PSIG	1778/1885 PSIG	SEE NOTE 9	DM WATER
(C2) INTEGRITY TEST	1185 PSIG	1481/1570 PSIG	SEE NOTE 9	DM WATER
(IS) INITIAL SERVICE				
(N) NO TEST REQUIRED				

NOTES:
A. VENTS & DRAINS WITH CAPS/BLIND FLANGES ETC. SHALL BE TESTED TO THE LAST ISOLATION VALVE.
B. MINIMUM TEST TEMP. OF 100 F IS REQUIRED FOR ALL NOMINAL PIPE DIAMETERS GREATER THAN 12"OR PIPE HAVING A WALL THICKNESS OF 5/8".

NOTES:
1. WORK THIS DRAWING WITH DRAWINGS 20579, 20580, 20581 & 20583 THROUGH 20587.
2. ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX "MS", UNLESS NOTED OTHERWISE.
3. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-MNT-S05111, UNLESS NOTED OTHERWISE.
4. DELETED
5. CHECK VALVES V417, V418, V481, V488, V484, & V485 ARE TO BE INSTALLED OPPOSITE FROM DIRECTION OF FLOW IN VERTICAL RUN OF PIPE SUCH THAT THEY HANG OPEN AND ALLOW DRAINAGE WHEN SYSTEM IS DEPRESSURIZED, THUS ENSURING CONDENSATE DRAINAGE & PREVENTING WATER HAMMER.
6. THE CLASS BREAK HAS BEEN EXTENDED AS SHOWN TO INCREASE THE INTEGRITY OF THE SYSTEM AND QUALITY OF THE COMPONENTS.
7. DELETED
8. CLEANLINESS CLASS "C"
9. DELETED
10. △ INDICATES REVISION LEVEL
11. SYSTEM DESCRIPTION NO. IS SD-3
12. VALVES V299 & V300 ARE THROTTLED ¼ OPEN FROM FULL CLOSED POSITION.
13. THE INTERNALS FROM VALVES V267 & V268 HAVE BEEN REMOVED.
14. ⚒ INDICATES ANS SAFETY CLASS 3, NOT ASME CODE CLASS 3. (MANUFACTURE'S STANDARDS)
15. FOR INSTRUMENT AIR DETAILS SEE PID IA-B20647.
16. FOR INSTRUMENT AIR DETAILS SEE PID IA-B20644.

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REF. DRAWING NO.	REV	TITLE
9763-F-900001	8	MAIN STEAM SYS. MITD
9763-F-900013	5	MAIN TURBINE & STEAM PIPING DRAINS MITD
9763-F-202006	14	MAIN TURBINE & STEAM PIPING DRAINS P&ID
9763-F-202110	2	MAIN STEAM PIPING DRAINS P & ID
9763-F-202074	21	MAIN STEAM SYSTEM SHT. 1 OF 2 P & ID

REV	DATE	DSGN	DRWN	CHKD	CDE	SES	DESCRIPTION
10	6/5/98	BCS	—	MPW	PWS	VWS	INCORP MMOD 960558 DCN-02
9	6/28/97	DWS	—	MPW	FAC	BAW	INCORP DCR 970004 DCN-00
8	11/25/95	MPW	—	BCS	PEB	CRM	INCORP. DCR 94-43 CAB
7	08/24/92	BCL	—	MRB	DWS	RSC	INCORP. MMOD 92-582 CAB, 82
6	9/28/92	MRB	—	BCL	DWS	RRB	INCORP. DCR 91-515 CAB
5	10/9/91	GPM	FCB	JM	MRB	RWM	INCORP. DCR 90-32 CAB REVISED NOTE 3 ADDED: CONT COORD & LEGEND NOTE B DELETED: ASME CLASS BREAK PER NOTE 3 NOTE 9 & TEST SYMBOL PER LEGEND NOTE A
4	6/4/90	MRB	RMC	JM	APL	GRM	INCORPORATED MMOD 90-530 CAB
3	2/9/90	MRB	FCB	APL	WCL	RRC	INCORP DCR 89-41 CA 12 REVISED NOTE 3 DELETED: NOTE 7 ADDED LEGEND NOTE A PER ANSI B31.1 1977 SEC 137.1(2)
2	6/1/87	MRJ	DWS	DS	BCL	RRC	IDENTIFIED SUMP LOCATIONS, ADDED SYSTEM AND CLASS BREAKS, REVISED AND ADDED LINE NO'S AND FLANGES PER UE&C P&ID, ADDED MITD REF DWGS AND INCORP'D DCR 87-212.
1	12/11/86	JDM	TAK	MRJ	BCL	RRC	INCORP'D ECA 19/117186A
0	9/22/86	DWS	SKM	BCL	VNK	RRC	ISSUED FOR OPERATIONS

North Atlantic Energy Service Corporation

SEABROOK STATION

MAIN STEAM SYSTEM
EMERGENCY FEEDWATER
PUMP SUPPLY
DETAIL

PID- 1-MS-D20582

06/04/98

D-47