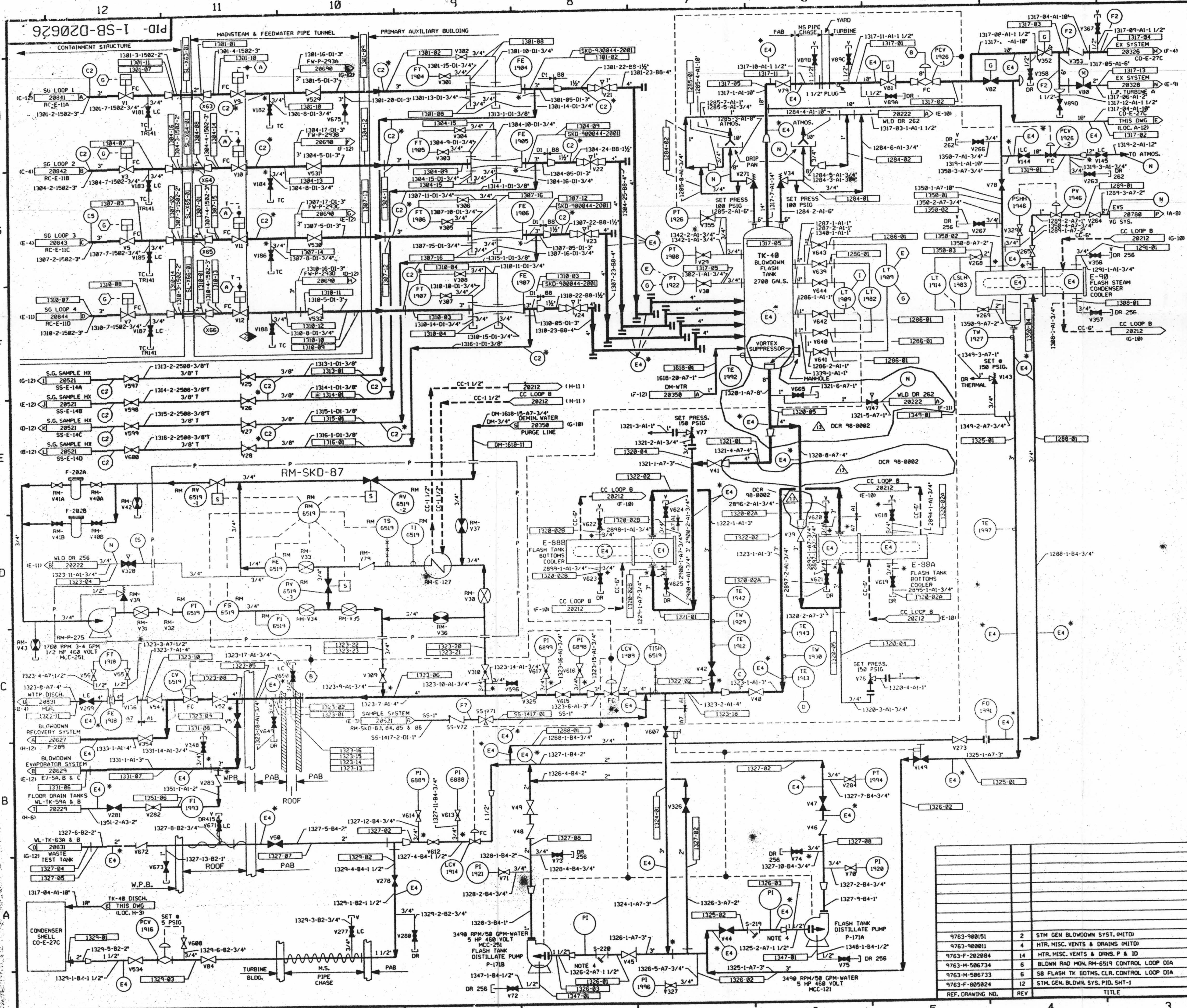
FOR INFORMATION ONLY




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 | | | | | |
| (C2) INTEGRITY TEST | | 1185 PSIG | 1481/1570 PSIG | 35 | WATER |
| (E4) INTEGRITY TEST | (IS) | 150 PSIG | 225/245 PSIG | 35 | WATER |
| (F2) INTEGRITY TEST | (IS) | 100 PSIG | 150/170 PSIG | 35 | WATER |
| (F7) INTEGRITY TEST | (IS) | 75 PSIG | 113/133 PSIG | 35 | WATER |
| (C2)* (SEE LEGEND NOTE B) | | 1185 PSIG | 1481/1570 PSIG | 35 | WATER |
| (E4)* (SEE LEGEND NOTE B) | | 150 PSIG | 225/245 PSIG | 35 | WATER |
| (IS) INITIAL SERVICE | | | N.O.P. | | |
| (N) NO TEST REQUIRED | | | | | |

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

B. LINES MARKED WITH AN ASTERISK (*) INDICATES PIPING AND COMPONENTS TO BE TESTED AS PER REG. GUIDE 1.143. ALL OTHER LINES MAY BE INSERVICE TESTED OR TESTED PER THE LEGEND.

NOTES:
1. WORK THIS DRAWINGS 20625 AND 20627 THRU 20631.
2. ALL PIPING, VALVES, EQUIP. & INSTRUMENTS HAVE SYSTEM PREFIX SB, UNLESS NOTED OTHERWISE.
3. ALL PIPING, VALVES, EQUIPMENT & INSTRUMENTS ARE SAFETY CLASS NNS UNLESS NOTED OTHERWISE.
4. PROVIDE 3/4" PRESSURE TAP & PLUG FOR PI'S. START-UP ENGINEERING TO PROVIDE PIPING, VALVES & PI'S; ALSO STRAINER BLOW-OFF PIPING & VALVES FOR INITIAL OPERATION. STRAINER SCREEN TO BE REMOVED AFTER START-UP.
5. DELETED
6. CLEANLINESS CLASS "C".
7. INSTRUMENT REFERENCES:
   (A) FROM EMERGENCY FEEDWATER PUMPS, CLOSE SIGNAL TO SB-V9 THRU SB-V12, EXCEPT ON MANUAL START OF EFW PUMPS FROM MCB.
   (B) FROM RM-RM-6510 THRU 6513 INTERLOCK, DWG 20519 & RM-RM-6519.
   (C) TO TCV-1912 (SB-E-88B OUTLET) ON DWG 20212.
   (D) TO TCV-1913 (SB-E-88A OUTLET) ON DWG 20212.
   (E) TO TCV-1922 (SB-E-90 OUTLET) ON DWG 20212.
   (G) HI HI PR & HI HI LEVEL IN TK-40 TO SHUT SB-V1, V3, V5 & V7.
   (I) TO LCV-1909-1 ON DWG 20627.
8. SYSTEM DESCRIPTION NO. IS SD-21
9. △ INDICATES REVISION LEVEL.
10. VENTS, DRAINS AND TEST CONNECTION CODE BREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-805111, UNLESS NOTED OTHERWISE.

PORTIONS OF THIS DRAWING ARE

**NUCLEAR SAFETY RELATED**

| REV | DATE | DSGN | DRWN | CHKD | CDE | SES | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 13 | 4/21/99 | RWS | — | BCS | DWS | DES | INCORP. DCR 98-0002 DCN 00 |
| 12 | 4/04/98 | MPW | — | BCS | DWS | BAW | INCORP. MMOD 94-562 CA0 |
| 11 | 7/18/94 | MPW | — | BCL | DWS | JCM | INCORP. DCR 930028 CA*0 AND INCORP. DCR 86-420 CA 0 |
| 10 | 8/25/93 | MRB | — | BCL | DWS | JCM | INCORP. DCR 90-39 CA8 |
| 9 | 11/5/92 | BCL | — | DWS | GRM | JCM | INCORP. DCR 90-44 CA 0 |
| 8 | 7/22/92 | MRB | — | BCL | MPW | RSG | INCORP. DCR 90-39 CA7 |
| 7 | 4/23/92 | DWS | — | BCL | MRB | RSG | INCORP. MMOD 900616 CA3 |
| 6 | 4/16/92 | MRB | — | BCL | DWS | GRM | INCORP DCR 90-39 CA0,02,03 & MMOD 9[illegible] CA0 |
| 5 | 1/15/91 | MRB | RMC | JM | GPM | RSH | INCORP. MMOD 90-656 CA00, MMOD 90-648 CA00 AND DCR 86-271 CA00 |
| 4 | 5/18/90 | MRB | RMC | JM | APL | GRM | INCORP. MMOD 90-545 CA 0 MOVED NOTE 5 TO LEGEND NOTE B REVISED NOTE 7 TO DEFINE INSTR. REF. |
| 3 | 9/27/88 | GPM | RMC | APL | MPW | RRC | INCORP ECA 19/22978 REVISED: LEGEND NOTE A, LINE NO FROM 1320-5 TO 1321-5 PER UE & C P & ID 202084 ADDED: LINE SIZE & NUMBER, NOTE 10 DELETED: TEST BOUNDARY SYMBOL |
| 2 | 12/15/87 | PAL | JM | BCL | DWS | PAS | INCORPORATED DCR 87-258, ADDED NOTE 9, CONT. COORDS, REF DWG NOTE, VLVS V136 & V259 PER ERECTION ISO, LINE NO'S. REFERENCE SYSTEMS SHOWN IN PHANTOM, REROUTED WALL TO SHOW V650 ON ROOF. REVISED NOTE 3 & LEGEND NOTE PER ANSI B31.1 SEC 137.1.2E AND 9763-F-900000 AND P & ID DRAWING CONT. |
| 1 | 9/26/86 | MAP | OPD | BCL | VNK | RRC | ADDED MANHOLE PER FP, REVISED REF DWG REV, REVISED BLDG. BOUNDARY IDENT. ADDED NOTE 8, REV'D TO CLARIFY NOTE 4, REV DWG CONT'S AND ERECTION DWG IDENT. ADDED FLNG DESIGNATION TO STRAINERS & PUMPS PER ERECTION ISO'S. |
| 0 | 6/24/86 | DWS | UE&C CADD | VNK | JMS | RRC | ISSUED FOR OPERATIONS |

| REF. DRAWING NO. | REV | TITLE |
|---|---|---|
| 9763-900151 | 2 | STM GEN BLOWDOWN SYST. (MITD) |
| 9763-900011 | 4 | HTR. MISC. VENTS & DRAINS (MITD) |
| 9763-F-202084 | 14 | HTR. MISC. VENTS & DRNS. P & ID |
| 9763-M-506734 | 6 | BLDWN RAD MON. RM-6519 CONTROL LOOP DIA |
| 9763-M-506733 | 6 | SB FLASH TK BOTMS. CLR. CONTROL LOOP DIA |
| 9763-F-805024 | 12 | STM. GEN. BLDWN. SYS. PID. SHT-1 |

**North Atlantic** Energy Service Corporation

SEABROOK STATION

STEAM GENERATOR BLOWDOWN (BLOWDOWN FLASH) DETAIL

PID- 1-SB-D20626

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