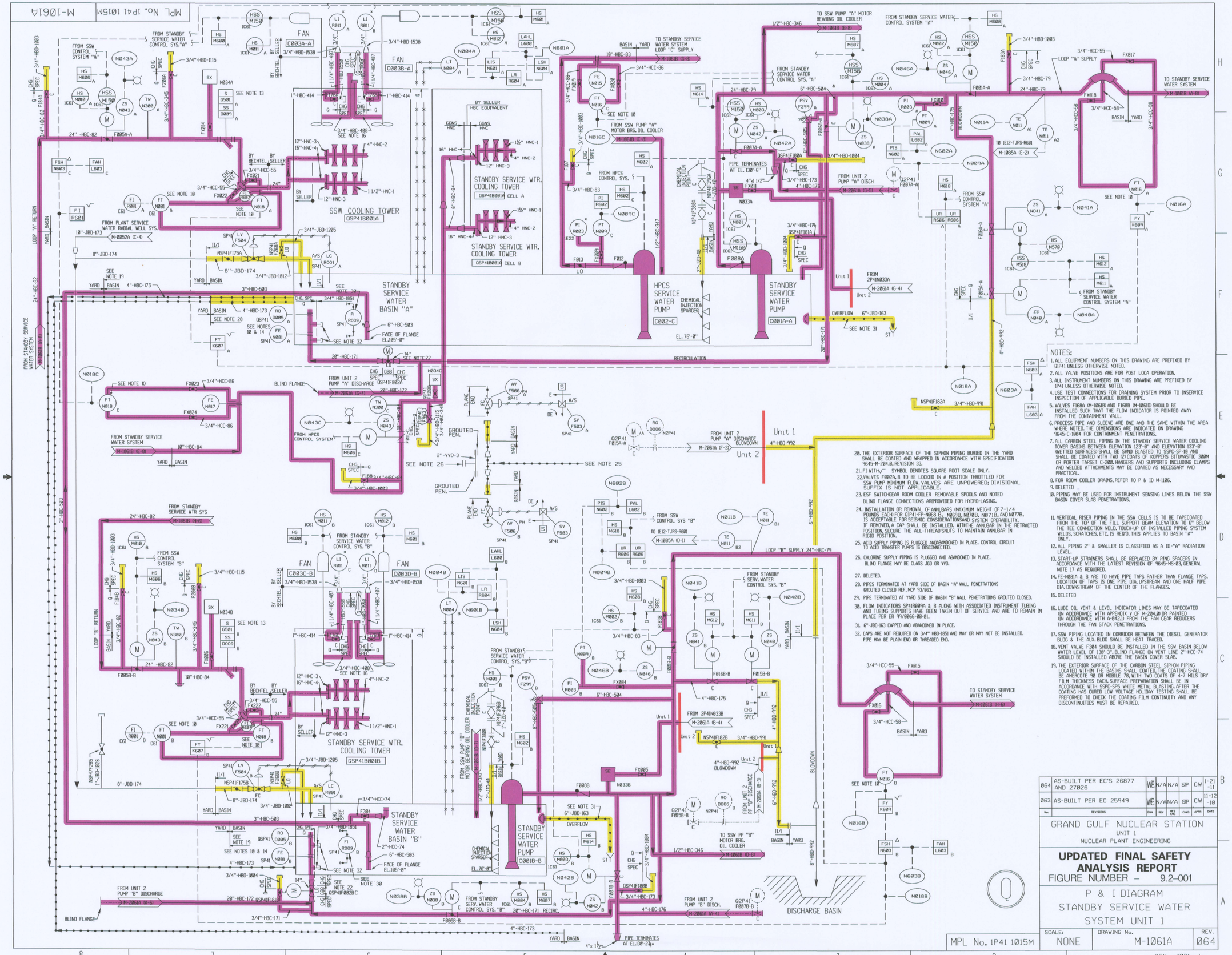
MPL No. 1P41 1015M M-1061A



NOTES:

1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY G1P41 UNLESS OTHERWISE NOTED.
2. ALL VALVE POSITIONS ARE FOR POST LOCA OPERATION.
3. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY 1P41 UNLESS OTHERWISE NOTED.
4. USE TEST CONNECTIONS FOR DRAINING SYSTEM PRIOR TO INSERVICE INSPECTION OF APPLICABLE BURIED PIPE.
5. VALVES F168A (M-1061B) AND F168B (M-1061D) SHOULD BE INSTALLED SUCH THAT THE FLOW INDICATOR IS POINTED AWAY FROM THE CONTAINMENT WALL.
6. PROCESS PIPE AND SLEEVE ARE ONE AND THE SAME WITHIN THE AREA WHERE NOTED. THE DIMENSIONS ARE INDICATED ON DRAWING 9645-C-1004 FOR CONTAINMENT PENETRATIONS.
7. ALL CARBON STEEL PIPING IN THE STANDBY SERVICE WATER COOLING TOWER BASINS BETWEEN ELEVATION 123'-0" AND ELEVATION 133'-0" (WETTED SURFACES) SHALL BE SAND BLASTED TO SSPC-SP-10 AND SHALL BE COATED WITH TWO (2) COATS OF KOPPERS BITUMASTIC 300M OR PORTER TARSET C-200. HANGERS AND SUPPORTS INCLUDING CLAMPS AND WELDED ATTACHMENTS MAY BE COATED AS NECESSARY AND PRACTICAL.
8. FOR ROOM COOLER DRAINS, REFER TO P & ID M-1106.
9. DELETED
10. PIPING MAY BE USED FOR INSTRUMENT SENSING LINES BELOW THE SSW BASIN COVER SLAB PENETRATIONS.
11. VERTICAL RISER PIPING IN THE SSW CELLS IS TO BE TAPECOATED FROM THE TOP OF THE FILL SUPPORT BEAM ELEVATION TO 6" BELOW THE TEE CONNECTION WELD. TOUCH-UP OF INSTALLED PIPING SYSTEM WELDS, SCRATCHES, ETC. IS REQ'D, THIS APPLIES TO BASIN "A" ONLY.
12. ALL PIPING 2" & SMALLER IS CLASSIFIED AS A III-"A" RADIATION LEVEL.
13. START-UP STRAINERS SHALL BE REPLACED BY RING SPACERS IN ACCORDANCE WITH THE LATEST REVISION OF 9645-MS-03, GENERAL NOTE 17 AS REQUIRED.
14. FE-N081A & B ARE TO HAVE PIPE TAPS RATHER THAN FLANGE TAPS. LOCATION OF TAPS IS ONE PIPE DIA. UPSTREAM AND ONE HALF PIPE DIA. DOWNSTREAM OF THE CENTER OF THE FLANGES.
15. DELETED
16. LUBE OIL VENT & LEVEL INDICATOR LINES MAY BE TAPECOATED (IN ACCORDANCE WITH APPENDIX Y OF M-2014.0) OR PAINTED (IN ACCORDANCE WITH A-042J) FROM THE FAN GEAR REDUCERS THROUGH THE FAN STACK PENETRATIONS.
17. SSW PIPING LOCATED IN CORRIDOR BETWEEN THE DIESEL GENERATOR BLDG & THE AUX.BLDG SHALL BE HEAT TRACED.
18. VENT VALVE F304 SHOULD BE INSTALLED IN THE SSW BASIN BELOW WATER LEVEL OF 130'-2". BLIND FLANGE ON VENT LINE 2"-HCC-74 SHOULD BE INSTALLED ABOVE THE BASIN COVER SLAB.
19. THE EXTERIOR SURFACE OF THE CARBON STEEL SIPHON PIPING LOCATED WITHIN THE BASINS SHALL COATED. THE COATING SHALL BE AMERCOTE 90 OR MOBILE 78, WITH TWO COATS OF 4-7 MILS DRY FILM THICKNESS EACH. SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH SSPC-SP5 WHITE METAL BLASTING. AFTER THE COATING HAS CURED LOW VOLTAGE HOLIDAY TESTING SHALL BE PREFORMED TO CHECK THE COATING FILM CONTINUITY AND ANY DISCONTINUITIES MUST BE REPAIRED.
20. THE EXTERIOR SURFACE OF THE SIPHON PIPING BURIED IN THE YARD SHALL BE COATED AND WRAPPED IN ACCORDANCE WITH SPECIFICATION 9645-M-204.0, REVISION 33.
21. FI WITH ⌒ SYMBOL DENOTES SQUARE ROOT SCALE ONLY.
22. VALVES F002A, B TO BE LOCKED IN A POSITION THROTTLED FOR SSW PUMP MINIMUM FLOW. VALVES ARE UNPOWERED; DIVISIONAL SUFFIX IS NOT APPLICABLE.
23. ESF SWITCHGEAR ROOM COOLER REMOVABLE SPOOLS AND NOTED BLIND FLANGE CONNECTIONS ARPROVIDED FOR HYDRO-LASING.
24. INSTALLATION OR REMOVAL OF ANNUBARS (MAXIMUM WEIGHT OF 7-1/4 POUNDS EACH FOR G1P41-FP-N068 B, N069B, N070B, N071B, AND N077B, IS ACCEPTABLE FOR SEISMIC CONSIDERATIONS AND SYSTEM OPERABILITY. IF REMOVED, A CAP SHALL BE INSTALLED, WITH THE ANNUBAR IN THE RETRACTED POSITION, SECURE THE ALL-THREAD/SNUTS TO MAINTAIN ANNUBAR IN RIGID POSITION.
25. ACID SUPPLY PIPING IS PLUGGED AND ABANDONED IN PLACE. CONTROL CIRCUIT TO ACID TRANSFER PUMPS IS DISCONNECTED.
26. CHLORINE SUPPLY PIPING IS PLUGGED AND ABANDONED IN PLACE. BLIND FLANGE MAY BE CLASS 300 OR 900.
27. DELETED.
28. PIPES TERMINATED AT YARD SIDE OF BASIN "A" WALL PENETRATIONS GROUTED CLOSED REF. MCP 93/0163.
29. PIPE TERMINATED AT YARD SIDE OF BASIN "B" WALL PENETRATIONS GROUTED CLOSED.
30. FLOW INDICATORS SP41R009A & B ALONG WITH ASSOCIATED INSTRUMENT TUBING AND TUBING SUPPORTS HAVE BEEN TAKEN OUT OF SERVICE AND ARE TO REMAIN IN PLACE PER ER 99/0066-00-01.
31. 6"-JBD-163 CAPPED AND ABANDONED IN PLACE.
32. CAPS ARE NOT REQUIRED ON 3/4" HBD-1851 AND MAY OR MAY NOT BE INSTALLED. PIPE MAY BE PLAIN END OR THREADED END.

COMPONENTS SUBJECT TO AMR

- STANDBY SERVICE WATER SYSTEM AMM12
- NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20

No.	REVISIONS	DWN	REV	PRJ ENG	CHKD	APPD	DATE
064	AS-BUILT PER EC'S 26877 AND 27026	WE	N/A	N/A	SIP	CW	1-21-11
063	AS-BUILT PER EC 25949	WE	N/A	N/A	SIP	CW	11-12-10

GRAND GULF NUCLEAR STATION
UNIT 1
NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
FIGURE NUMBER – 9.2-001

P & I DIAGRAM
STANDBY SERVICE WATER SYSTEM UNIT 1

SCALE: NONE | DRAWING No. M-1061A | REV. 064

MPL No. 1P41 1015M

NO	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	10-13-2011	.	.	.	.	.

REVISIONS
LRA-M-1061A
CAD FILE m1061a.DGN
RASTER FILE

DFN: m1061a.dgn

D157