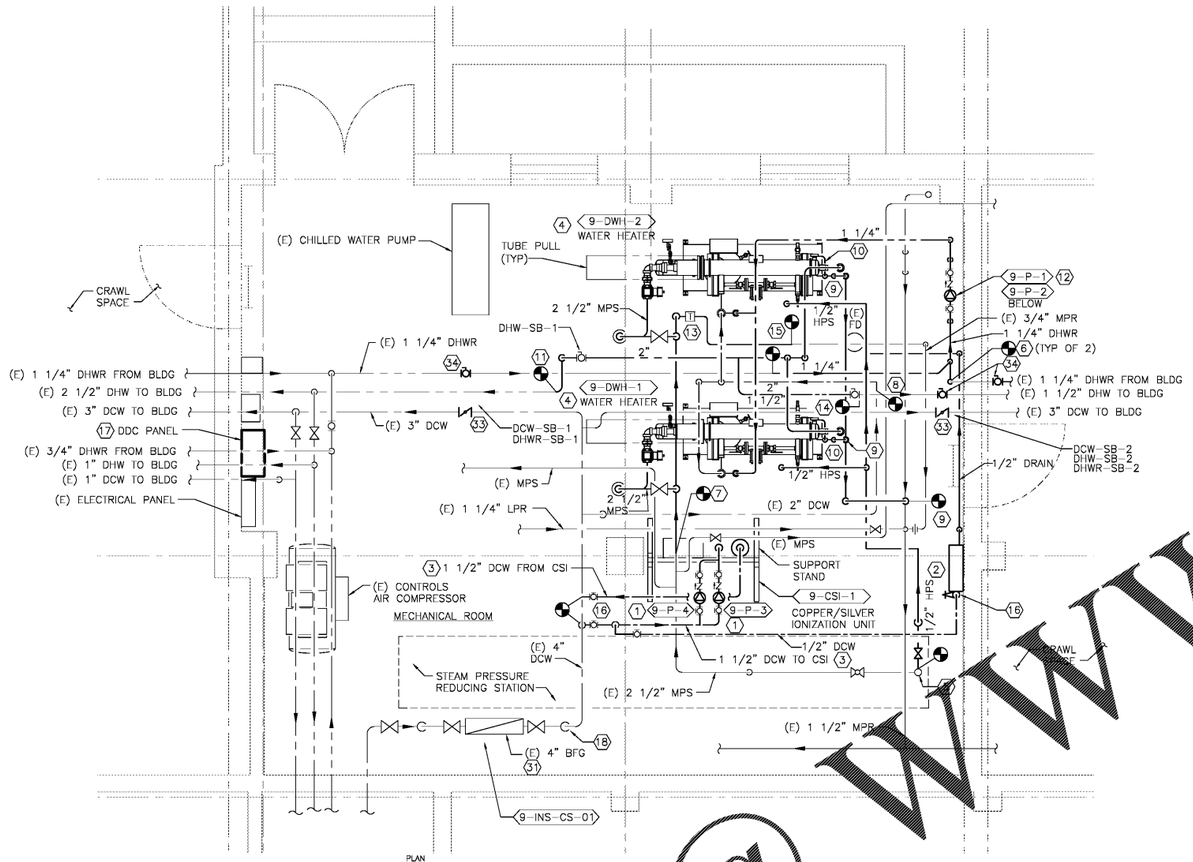
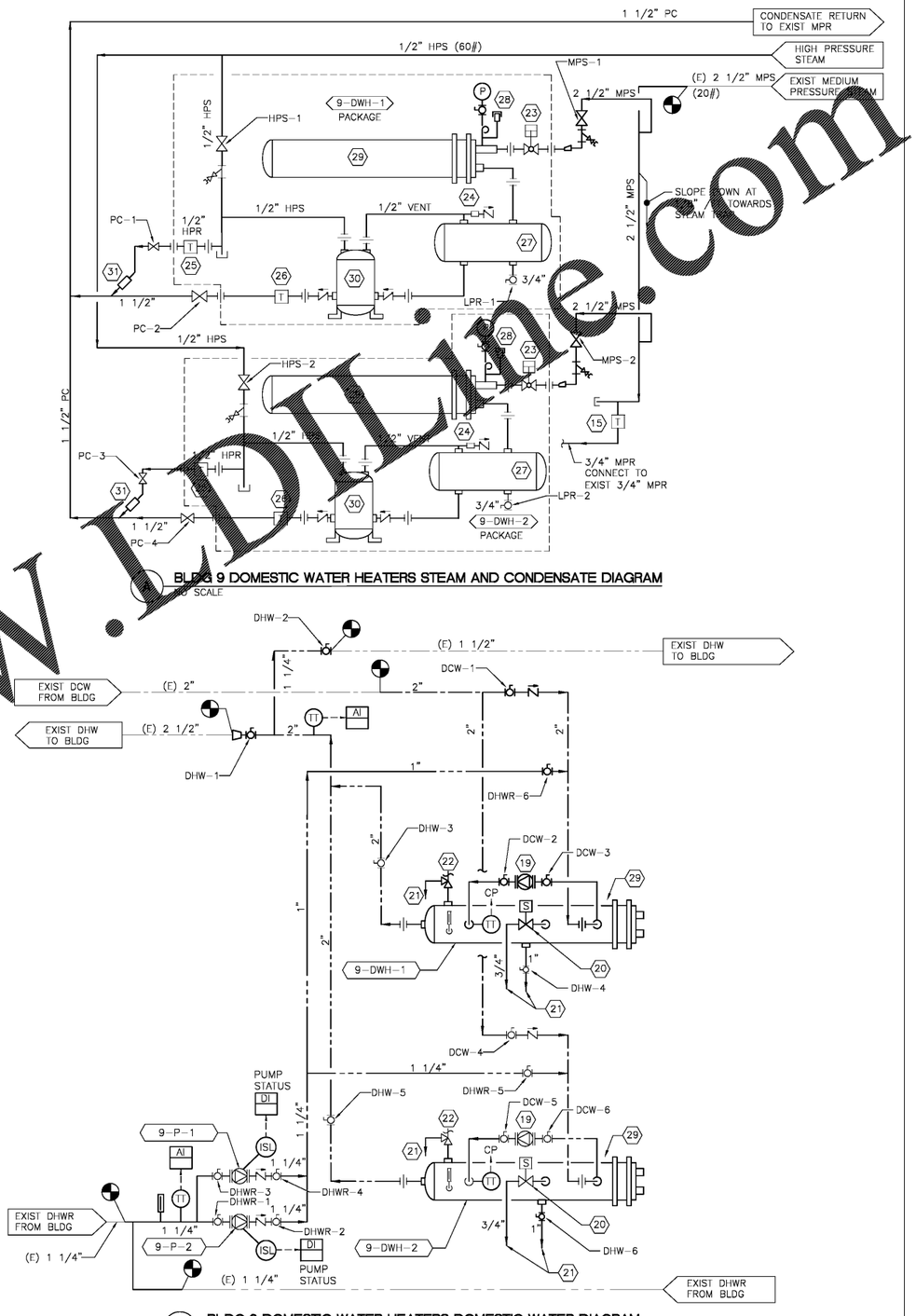


PLAN NORTH

1 ENLARGED SUB-BASEMENT PLUMBING NEW WORK PLAN
SCALE: 1/2" = 1'-0"



A BLDG 9 DOMESTIC WATER HEATERS STEAM AND CONDENSATE DIAGRAM
NO SCALE

B BLDG 9 DOMESTIC WATER HEATERS DOMESTIC WATER DIAGRAM
NO SCALE

NEW WORK NOTES:

1. CSI PUMPS, MOUNT AT 7'-0" ABOVE FINISHED FLOOR.
2. CHLORINE ANALYZER, ROUTE 1/2" DRAIN FROM CHLORINE ANALYZER BEHIND ACCESS LADDER AT FLOOR LEVEL TO FLOOR DRAIN. CONNECT TO DDC PANEL.
3. CONNECT 1 1/2" DCW PIPING TO AND FROM THE CSI UNIT TO EXISTING 4" DCW LINE. SEE DIAGRAM 'A' ON DRAWING PL-501.
4. INSTALL WATER HEATER ON CONCRETE PAD. INSTALL TO ENSURE THE HEATER IS LEVEL. INSTALL HEATER PER MANUFACTURER'S RECOMMENDATIONS.
5. CONNECT 1/2" HPS TO EXISTING 3" HPS MAIN AND ROUTE TO THE PRESSURE POWERED CONDENSATE PUMP ON SKID. SEE DIAGRAM 'A' ON THIS DRAWING.
6. CONNECT 1 1/4" DHWR TO EXISTING 1 1/4" DHWR PIPING. SEE DIAGRAM 'B' ON THIS DRAWING.
7. CONNECT 2 1/2" MPS TO EXISTING 2 1/2" MPS LINE. ROUTE 2 1/2" MPS AND CONNECT TO WATER HEATER PER MANUFACTURER'S RECOMMENDATIONS. SEE DIAGRAM 'A' ON THIS DRAWING.
8. CONNECT 2" DHW TO EXISTING DHW. ROUTE AND CONNECT TO WATER HEATER. SEE DIAGRAM 'B' ON THIS DRAWING.
9. ROUTE 1 1/2" [illegible] TO EXISTING 1 1/2" MPR LINE. SEE DIAGRAM 'A' ON THIS DRAWING.
10. CONNECT 1/2" HPS TO 1 1/2" MPR PIPE. SEE DIAGRAM 'A' ON THIS DRAWING.
11. CONNECT 2" DHW TO EXISTING 2 1/2" DHW LINE. ROUTE AND CONNECT TO WATER HEATER. SEE DIAGRAM 'B' ON THIS DRAWING.
12. HOT WATER RECIRC. PUMPS, STACK PUMPS AS SHOWN ON PLANS WITH THE UPPER PUMP AT 4'-0" ABOVE FINISHED FLOOR.
13. STEAM TRAP ASSEMBLY, SEE DETAIL 'F' ON DWG PL-501.
14. ROUTE 1 1/2" DCW TO EXISTING 1 1/2" DCW LINE AT EXISTING VALVE.
15. ROUTE 3/4" MPR FROM END OF MAIN TO EXISTING 3/4" MPR PIPING.
16. 1 1/2" DCW TO CHLORINE ANALYZER. PROVIDE SHUT-OFF VALVE IN VERTICAL.
17. CONNECT TO EXISTING BUILDING AUTOMATION SYSTEM VIA EXISTING DDC PANEL LOCATED IN ELECTRIC CLOSET ROOM 9. SEE PL-9-102.
18. PROVIDE PRESSURE TRANSMITTER AND TEMPERATURE TRANSMITTER IN EXISTING 4" DCW MAIN AND CONNECT TO DDC PANEL.
19. WATER HEATER CIRCULATING PUMP
20. HIGH TEMPERATURE DUMP VALVE
21. TO FLOOR DRAIN
22. PRESSURE AND TEMPERATURE RELIEF VALVE
23. STEAM CONTROL VALVE
24. AIR VENT AND CHECK VALVE
25. INVERTED BUCKET STEAM TRAP
26. FLOAT & THERMOSTATIC STEAM TRAP
27. CONDENSATE RECEIVER
28. VACUUM BREAKER
29. SHELL & TUBE HEAT EXCHANGER
30. PRESSURE POWERED PUMP
31. TRAP DIFFUSER
32. INSULATE EXISTING AMES RP400 COLT BACKFLOW PREVENTER AND ASSOCIATED SHUT-OFF VALVES.
33. PROVIDE NEW BUTTERFLY VALVE
34. PROVIDE NEW BALL VALVE

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Revisions	Date

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Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief
CONSTRUCTION DOCUMENTS	Approved: Infection Control Officer	Approved: Chief of Staff
	Approved: GEMS Coordinator	Approved: Associate Director

Drawing Title: PL-9-401 BLDG 9 ENLARGED SUB-BASEMENT PLUMBING PLAN NEW WORK	Project Title: RENOVATE FOR WATER QUALITY		Date: 04/ 28 / 2017
Approved: Chief of Facility Management Svc.	Building Number: 9	Checked: MJG	Drawn: JFC
Approved: Medical Center Director	Location: VA MEDICAL CENTER, SALEM, VA 24153		Project No.: 659-15-101
			DRAWING SET: 2592 Dwg. 91 Of 155

Veterans Affairs