



- GENERAL NOTES:**
- A. EXISTING MECHANICAL WORK IS INDICATED BY BEING SHOWN LIGHT.
  - B. NEW MECHANICAL WORK IS INDICATED BY BEING SHOWN BOLD.
  - C. COORDINATE ALL UNDERGROUND PIPING WITH VA CONSTRUCTION.
  - D. VERIFY ALL PIPING SIZES IN TUNNELS PRIOR TO WORK.
  - E. PROVIDE PIPE ANCHORS AND GUIDES FOR ALL NEW MECHANICAL PIPING AS NOTED ON THIS SHEET AND IN THE MECHANICAL CONNECTIONS IN THE TUNNEL 1-100, SERVING THE NEW KITCHEN BUILDING AND BUILDING 8 AND THE NEW EAST PIPING CROSS OVER TUNNEL (NORTH OF BUILDING 28) THAT SERVICES THE EXISTING EAST SIDE OF SITE. PROVIDE PIPE ANCHORS AND GUIDES IN THE TUNNEL AT BUILDING 8 FOR THE NEW MECHANICAL PIPING AND PREPARED LINES AS REQUIRED IN THE NEW KITCHEN BUILDING, CONNECTING TUNNELS AND NEW CROSS OVER TUNNEL. PROVIDE STEAM TRAPS AT BOTTOM OF PIPING RISERS.
- KEYED NOTES:**
- 1. CONNECT NEW STEAM, CONDENSATE AND RETURN PIPING TO EXISTING STEAM, CONDENSATE AND RETURN PIPING, EXTEND NORTH IN NORTH TUNNEL. THESE PIPING CONNECTIONS TO BE CONSTRUCTED PRIOR TO THE SHUTDOWN OF THE STEAM, CONDENSATE AND RETURN PIPING AT BUILDING 1-100 AND B8.
  - 2. ROUTE NEW 2" WAC RETURN PIPING IN TUNNEL, SUPPORT AND ANCHOR FROM EXISTING STRUCTURE.
  - 3. CONNECT NEW 2-1/2" WAC RETURN TO EXISTING 5" WAC RETURN.
  - 4. DISCONNECT 2" TURNED VACUUM CONDENSATE FROM 2-1/2" HAMF RETURN AND CONNECT INTO EXISTING 5" WAC RETURN PIPING.
  - 5. CONNECT NEW 2-1/2" WAC RETURN INTO EXISTING 2-1/2" WAC RETURN PIPING. WAC RETURN PIPING IS PIPED BACK TO EXISTING WAC PUMP. CONNECT 2" HAMF RET INTO EXISTING 2-1/2" HAMF RETURN PIPING MAIN.
  - 6. CONNECT NEW 1" LPS TO EXISTING 3" LPS MAIN IN TUNNEL.
  - 7. CONNECT NEW 1" LPS TO EXISTING 3" LPS MAIN IN TUNNEL.
  - 8. CONNECT NEW SPACE HEATING PIPING AT BUILDING 1-100 MAIN. CONNECT 1" CONDENSATE TO EXISTING 1-1/4" LPS MAIN.
  - 9. CONNECT NEW 5" HPS TO EXISTING 2-1/2" HPS IN TUNNEL SPACE. CONNECT NEW 2-1/2" WAC RETURN TO EXISTING 2-1/2" WAC RETURN PIPING IN TUNNEL SPACE. CONNECT NEW 1-1/2" HAMF RETURN TO EXISTING 1-1/2" HAMF RETURN PIPING IN TUNNEL SPACE.
  - 10. CONNECT NEW 5" HPS TO EXISTING 1-1/2" HPS IN TUNNEL.
  - 11. CONNECT NEW/TEMPORARY 1-1/2" HPS AND 2" LPS TO EXISTING 1-1/2" HPS AND 2" LPS IN B8 MECHANICAL ROOM. AT/NEW PRESSURE REDUCING STATION. ROUTE NEW HPS AND LPS TO NORTH SIDE OF LAUNDRY BUILDING 59 AND CONNECT TO HPS AND CONDENSATE PIPING IN TUNNEL.
  - 12. SEE SHEET WH-50 FOR CONTINUATION OF PIPING INSIDE NEW KITCHEN BUILDING.
  - 13. SAW CUT ASPHALT DRIVEWAY AND DIRECT BURIED TEMPORARY STEAM PIPING. COVER TEMPORARILY WITH GRAVEL. WHEN TEMPORARY STEAM PIPING IS NO LONGER NEEDED AND IS REDUCED FAVOR DRAINAGE WITH ASPHALT.

**MECHANICAL PIPING SITE PLAN**  
1/16" = 1'-0"

NO.	REVISIONS	DATE
1	ISSUED FOR PERMIT	3/6/2012

**PROJECT TEAM**

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**ARCHITECTS/ENGINEERS**

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED MECHANICAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DEANSON J. DODD  
DATE: 03-11-2012  
REVISION: 03-11-2012



Project Title: **EXPAND PRIMARY AND SPECIALTY CARE/RECONFIGURE SUPPORT SPACE**

Location: **4801 Veterans Drive, St. Cloud, MN 55303**

Project Number: **656-521 / 133859**

Design Number: **NKB**

Design Date: **04/11/2012**

Design By: **SHT**

Office of Construction and Facilities Management  
Department of Veterans Affairs