



- NOTES: DRAWING M-1
- REMOVE EXPANSION LOOP IN ITS ENTIRETY.
  - EXISTING HIGH PRESSURE STEAM IN CONDUIT TO REMAIN.
  - EXISTING 6" PUMPED DISCHARGE TO REMAIN.
  - EXISTING 6" COLD WATER LINE TO REMAIN.
  - HOLD PREVIOUSLY REMOVED SECTION TO EXIST. HIGH PRESSURE STEAM. USE 30x20 CONDUIT REDUCER AND WELD CLOSURE BANDS.
  - PROVIDE FIELD CLOSURE SLEEVE AND WELD. SEE SPECS.
  - REUSE EXIST. CONDUIT FROM EXIST. EXPANSION LOOP - 16" PIPE IN 30" CONDUIT, 16x26 CONCENTRIC W/ MEAT & 16x30 PROVIDE NEW GLAND SEAL.
  - HPS EXPANSION COMPENSATOR LENGTH - 38-3/8" CORRUGATIONS - 5 EXPANSION - 6.5 INCHES COLD SPRING PER MFG. RECOMMENDATIONS
  - NEW 16" GATE VALVE ON 60° ANGLE.
  - ANCHOR. SEE DETAIL.
  - HPS EXPANSION COMPENSATOR LENGTH - 43-1/8" CORRUGATIONS - 4 EXPANSION - 3.34 INCHES COLD SPRING PER MFG. RECOMMENDATIONS
  - 12" SANITARY SEWER LINE.
  - REMOVE EXISTING 16" HIGH PRESSURE STEAM.
  - REMOVE EXISTING 6" PUMPED DISCHARGE.
  - PIPING BELOW TUNNEL FLOOR SLAB.
  - REMOVE OUTER CONDUIT AND INSULATION. PROVIDE NEW INSULATION ON EXISTING HIGH PRESSURE STEAM LINE. SEE SPECS.
  - PROVIDE NEW INSULATION ON EXISTING 6" PUMPED DISCHARGE. SEE SPECS.
  - PROVIDE NEW SECTION OF 16" HIGH PRESSURE STEAM PIPE, IF REQUIRED, TO ALLOW INSTALLATION OF NEW GLAND SEAL.
  - 45° ELKS.
  - EXTEND NEW 12" SANITARY SEWER LINE 5'-0" BEYOND TUNNEL WALL AND CONNECT TO SANITARY SEWER LINE INSTALLED BY CONTRACTOR UNDER DIVISION 2.
  - NEW SUMP PUMP. SEE SPECS.
  - REMOVE EXISTING FIRE DEPARTMENT WALL SIAMISE (STANDPIPE SYSTEM), CHECK VALVE WITH AUTOMATIC BALL DRIP, PIPING AND DELIVER TO OWNER.
  - REMOVE EXISTING 6" FIRE LINE BACK TO THIS POINT. SEE FLOOR PLAN ABOVE FOR NEW WORK.
  - REMOVE EXISTING WALL HYDRANT AND PIPING.
  - REMOVE EXISTING CAPPED HOT WATER, COLD WATER AND WASTE CONNECTION STUBBED OUT THROUGH WALL. REMOVE EXISTING HOT WATER AND COLD WATER PIPING BACK TO SHUT-OFF VALVES ABOVE CEILING AND CAP HOT WATER LINE. SEE FLOOR PLAN ABOVE FOR NEW 3/4" C.W. CONNECTION TO NEW WALL HYDRANT. REMOVE EXISTING WASTE LINE TO BELOW FLOOR SLAB AND PLOG. REMOVE EXISTING VENT BACK TO CORRIDOR WALL AND CAP ABOVE CEILING.
  - REMOVE EXISTING WATER CLOSET, FLUSH VALVE, WASTE CONNECTION AND COLD WATER PIPING. PLOG AND/OR CAP EXISTING WASTE CONNECTION AND WATER PIPING IN EXISTING CHASE.
  - REMOVE EXISTING LAVATORY, TRIM, WALL HANGER (IF ANY), WASTE CONNECTION, HOT WATER AND COLD WATER PIPING. PLOG AND/OR CAP EXISTING WASTE CONNECTION AND WATER PIPING IN EXISTING CHASE.
  - CONNECT NEW 16" HIGH PRESSURE STEAM TO EXISTING 16" HIGH PRESSURE STEAM.
  - CONNECT NEW 6" PUMPED DISCHARGE TO EXISTING 6" PUMPED DISCHARGE.
  - CONNECT NEW 6" WATER LINE TO EXISTING 6" WATER LINE.
  - SEE DRAWING U-1 FOR CONTINUATION.
  - NEW SUMP PUMP DISCHARGE.
  - XP EXPANSION COMPENSATOR LENGTH - 28-1/4" CORRUGATIONS - 2 EXPANSION - 1.04 INCHES COLD SPRING PER MFG. RECOMMENDATIONS
  - PIPE GUIDE. SEE SPECS.
  - XP EXPANSION COMPENSATOR LENGTH - 32-1/2" CORRUGATIONS - 3 EXPANSION - 2.52 INCHES COLD SPRING PER MFG. RECOMMENDATIONS
  - REMOVE AND RELOCATE EXISTING FIRE DEPARTMENT WALL HYDRANT SIAMISE (FOR EXTERIOR USE), CONTROL VALVE, AND AUTOMATIC BALL DRIP. SEE PLAN ABOVE FOR NEW LOCATION.
  - NEW LOCATION OF EXISTING FIRE DEPARTMENT WALL HYDRANT SIAMISE (FOR EXTERIOR USE), CONTROL VALVE AND AUTOMATIC BALL DRIP. PIPE DISCHARGE FROM BALL DRIP FULL SIZE TO EXTERIOR AND SILL DOWN. MOUNT WALL HYDRANT SIAMISE WITH CENTERLINE 24" ABOVE GRADE. SEE DETAIL THIS SHEET.
  - CONNECT TO EXISTING 6" FIRE LINE ABOVE CEILING.
  - CONNECT TO EXISTING 2" GWC LINE ABOVE CEILING.
  - CONNECT TO EXISTING 15" SANITARY LINE AT INV. ELEV. 970.32' +. SCHEDULE TIME FOR CONNECTION WITH THE UNIVERSITY OF KENTUCKY REPRESENTATIVE.
  - NEW SANITARY MANHOLE AND PIPING FURNISHED AND INSTALLED BY DIVISION 2 CONTRACTOR UNDER THIS CONTRACT.
  - CONNECT NEW 15" SANITARY LINE TO NEW SANITARY MANHOLE. SEE NOTE 42.
  - SEE ARCHITECTURAL SITE PLANS FOR REMOVAL OF EXISTING MANHOLE AND PIPING.
  - CONNECT 6" C.I. DRAIN LINE TO PERIMETER DRAIN LINE AT INVERT ELEVATION 964.42'. PERIMETER DRAIN LINE FURNISHED UNDER DIVISION 2.
  - PROVIDE 8" SLEEVE FOR FUTURE 6" DOMESTIC COLD WATER LINE. INSTALL SLEEVE WITH CENTERLINE ELEVATION AT 974.67'.
  - PROVIDE 8" SLEEVE FOR FUTURE 6" FIRE PROTECTION LINE. INSTALL SLEEVE WITH CENTERLINE ELEVATION AT 974.67'.
  - PROVIDE 10" SLEEVE FOR FUTURE 8" WATER MAIN. INSTALL SLEEVE WITH CENTERLINE ELEVATION AT 974.58'.
  - PROVIDE 18" SLEEVES FOR FUTURE 10" CHILLED WATER SUPPLY AND 10" CHILLED WATER RETURN LINE. INSTALL SLEEVES WITH CENTERLINE AT 971.25'.
  - PROVIDE 6" SLEEVE FOR FUTURE 3" GAS LINE. INSTALL SLEEVE WITH CENTERLINE ELEVATION AT 972.83'.
  - PROVIDE 6" SLEEVE FOR FUTURE 2-1/2" OXYGEN LINE. ELEVATION OF SLEEVE TO BE AS DIRECTED. INSTALL SLEEVE WITH CENTERLINE ELEVATION AT 972.83'.
  - PROVIDE (11) SLEEVES IN TOP OF TUNNEL FOR FUTURE PIPING. EXACT LOCATIONS TO BE FURNISHED AT LATER DATE. SIZES OF SLEEVES WILL BE AS FOLLOWS: FOUR 8", TWO 4", ONE 10" AND TWO 16". ALSO, SET FOUR FLOOR DRAINS IN TOP OF TUNNEL. STEEL SLEEVES FINISH 1" ABOVE TOP OF TUNNEL.
  - PROVIDE THRUST RESTRAINTS ON WATER PIPING IN TUNNEL AS REQUIRED.
  - PROVIDE 10" SLEEVE FOR FUTURE 8" WATER MAIN. INSTALL WITH CENTERLINE ELEVATION AT 971.0'.

BID PACKAGE # 1  
 ALBERT B. CHANDLER MEDICAL CENTER UNIVERSITY OF KENTUCKY HOSPITAL EXPANSION & RENOVATION  
 PARTIAL GROUND FLOOR PLANS AND TUNNEL DETAILS - MECHANICAL  
 HOSPITAL EXPANSION & RENOVATION  
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