

1 ELEVATION OF PERMANENT EARTH-RETENTION SYSTEM  
1/8" = 1'-0"

- General Notes:
- FOUR SOLDIER PILES FURTHEST NORTH ARE CANTILEVERED W/24 SOLDIER PILES WITHOUT POST-TENSIONED TEBACKS. USE 3/4" AUGER-DRILLED HOLES TO ACCOMMODATE W24 PILES, TYP.
  - DURING INSTALLATION OF THE EARTH-RETENTION SYSTEM ADJACENT TO BEAN BUILDING, THE GC SHALL MONITOR VIBRATIONS, NOISE & MOVEMENTS (VERTICAL & LATERAL) OF THE BEAN BUILDING TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT ADVERSELY AFFECT HOSPITAL ACTIVITIES. WE RECOMMEND A BUDGET OF \$30,000 FOR CONSTRUCTION MONITORING DURING INSTALLATION OF THE EARTH-RETENTION SYSTEM.
  - APPROXIMATE LINE OF ORIGINAL & FINAL GRADE. STEEL SOLDIER PILES SHALL BE DETAILED TO TERMINATE 6"± BELOW GRADE-TYP.
  - THREE SOLDIER PILES TO BE INSTALLED 2' LOWER THAN ADJACENT SOLDIER PILES TO ACCOMMODATE 3'-6" DEEP SUMP PIT.
  - EARTH-RETENTION SYSTEM SHOWN IN THESE DRAWINGS HAS BEEN DESIGNED & DETAILED TO RESIST THE FORCE DEMANDS SHOWN ON SHEET S603. HOWEVER, THE EARTH-RETENTION CONTRACTOR SHALL PROVIDE FINAL DESIGN CALCULATIONS & DRAWINGS STAMPED & SIGNED BY A REGISTERED PE IN THE STATE OF MAINE FOR THE EARTH-RETENTION SYSTEM. ALTERNATE DESIGNS MAY BE ACCEPTABLE IF THEY CAN ADEQUATELY RESIST THE DESIGN FORCES SHOWN ON S603 AND IF THEY CAN BE COORDINATED WITH OTHER TRADES TO ACCOMMODATE PENETRATIONS FOR MECHANICAL PIPING, ETC.
  - GC SHALL COORDINATE INSTALLATION OF EARTH-RETENTION SYSTEM WITH ALL NEW & EXISTING UTILITIES, BURIED DAMS, ETC. CONFLICTS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR ADDRESSING PRIOR TO BEGINNING CONSTRUCTION.

**SGH**  
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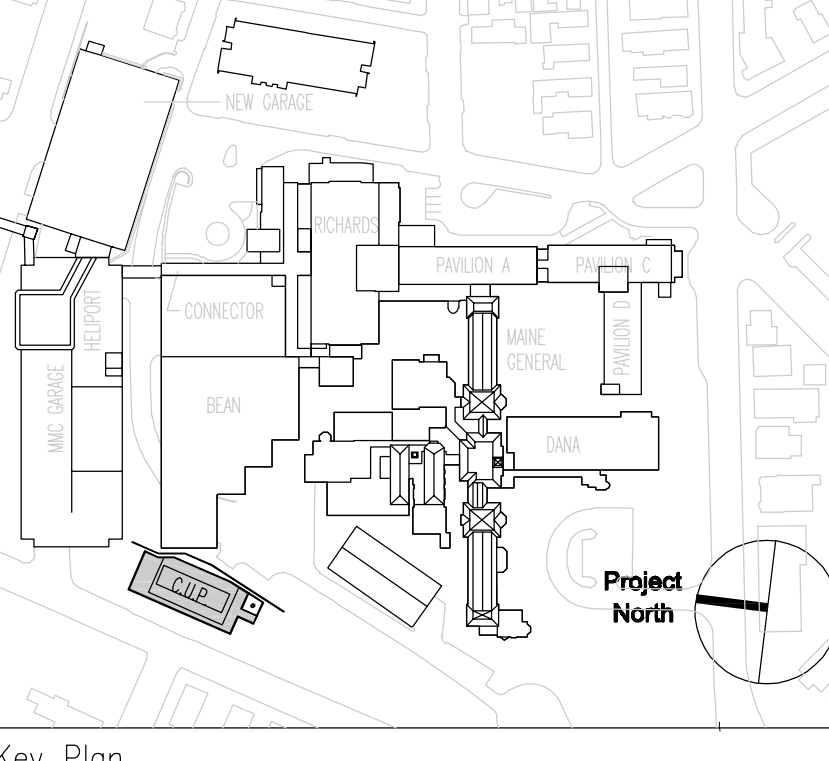
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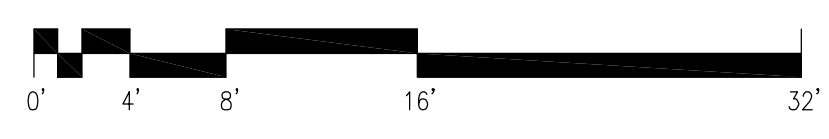


**TRO**  
ARCHITECTURAL  
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The Ritchie Organization  
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Maine Medical Center  
Central Utility Plant  
Portland, Maine

Drawing Title  
**CENTRAL UTILITY PLANT (CUP)  
EARTH RETENTION SYSTEM  
ELEVATION**



Commission No. 4677 Date Issued 24 SEPTEMBER 2004  
AS NOTED Sheet Number  
Scale AS NOTED  
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**S601**