



## **UNDERPINNING | SOLDIER PILES & LAGGING | TIEBACKS**

### **MOULTRIE COURTHOUSE RENOVATION - WASHINGTON D.C.**

This project consisted of an addition to the south exterior of an existing courthouse. The addition was 370 feet long, 37 feet wide, and 35 feet deep. The south side of the excavation was supported with soldier beams, lagging, and tiebacks. The north side of the excavation was supported by hand-dug underpinning pits constructed below the exterior wall of the courthouse. Soil conditions changed markedly from east to west from a medium dense sand to soft clay.

The challenges to building the excavation support system were mainly the logistics of working within a very narrow excavation. Overall the project required about 16,000 square feet of soldier beams and lagging and about 370 lineal feet of pit underpinning.

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**Owner: Washington D.C. District Court**  
**General Contractor: Whiting-Turner Contracting**  
**Design/Build Specialty Contractor:**  
**Schnabel Geotechnical Design & Construction**



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For more information on this project or any other of our projects please contact Schnabel at:

**(703) 742-0020 or visit our website at [www.schnabel.com](http://www.schnabel.com)**