

## SECANT PILES

### BARNES-JEWISH HOSPITAL PARKVIEW TOWER ST. LOUIS, MISSOURI

Schnabel designed and constructed a secant pile wall for the Barnes-Jewish Hospital Parkview Tower on the Washington University Medical Campus. The 900 LF perimeter secant pile wall served as both the permanent structural basement wall and the temporary earth retention system for the new hospital building.

The permanent secant pile wall consisted of approximately 220 secant piles drilled into rock, totaling almost 8,000 LF and covering more than 30,000 SF. In the temporary design condition, the secant pile wall was laterally supported by approximately 115 tiebacks anchored in rock. In the permanent design condition, the secant pile wall was laterally supported by the building floor slabs.

Owner: **BJC Health Care**

General Contractor: **Alberici, Clayco & SM Wilson (ACW),  
Joint Venture**

Design/Build Specialty Contractor:  
**Schnabel Geostuctural Design & Construction**



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)**



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