



## SOIL NAILING | SHOTCRETE

### GLENDALE ARENA - GLENDALE, ARIZONA

The Glendale Hockey Arena had one of the tightest schedules for a sports stadium constructed in the United States, and critical to the fast track schedule was the installation of the design-build permanent soil nail wall.

Permanent soil nailing was used around the entire perimeter of the site to resist earth loads simplified the stadium's design. This allowed for larger open spans within the arena.

Schnabel designed and built the permanent wall, with over 73,000 square feet of shotcrete wall face and 60,000 lineal feet of soil nails. The soil nailing was completed in just eight weeks.

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Owner: **Arena Development, LLC**  
General Contractor: **Perini Building Company**  
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)