

# Florida Waterman Hospital Expansion

📍 Tavares, FL

## BACKGROUND

Florida Waterman Hospital planned to expand its building with an underground tunnel, requiring excavation before installation could begin. Jet grouting was applied along the entrance wall and around the hospital's side, with underpinning columns installed along the entrance wall and soldier beams columns installed throughout the site.

## SCOPE OF WORK

Schnabel was contracted by general contractor Robin and Morton to stabilize the hospital with jet grout columns prior to excavation. The design included 16 underpinning columns, 29 soldier beam columns, and 4 test columns. However, 3 of the soldier beam columns could not be installed due to an underground retaining wall. The columns ranged in depth from 12 to 35 feet. Bentonite was used in the jet grout mixture to achieve the required low strength.



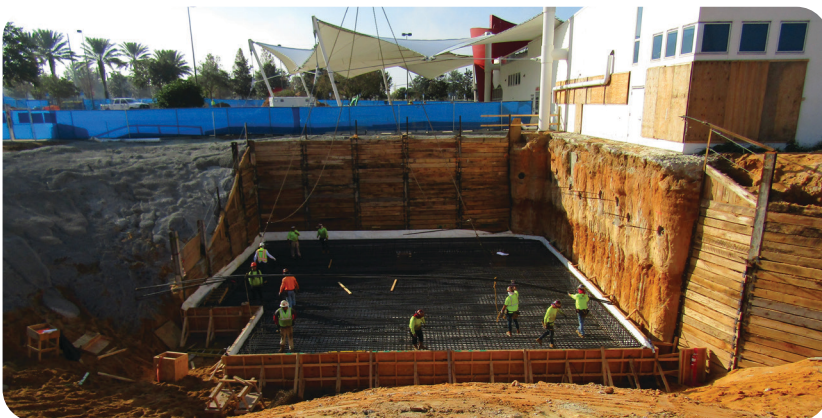
## AT A GLANCE

### WORK PERFORMED BY SCHNABEL

- 46 jet grout columns
- 1032 total LF grouted
- Underpinning & soldier beam columns

### BENEFITS FOR CLIENT

- Schnabel's jet grouting work will enable the Florida Waterman Hospital to build an underground tunnel as part of their \$70 million expansion and renovation project.



## KEVIN CARGILL, PE

Schnabel President

"With over 60 years of experience, Schnabel is committed to being the safest and most efficient geotechnical company, providing effective and timely solutions for our clients."

