



Regent Sheraton Grand Hotel at Stockton Events Center

Stockton, California

The deciding factors for choosing a Geopier® system were the cost savings and the speed of the installation of the Rammed Aggregate Pier® system

Description: This project is located on Stockton Deep Water Channel and at the city's multi-purpose sports arena, construction of a seven-story, 26,400 square foot hotel included over 150 rooms and 40 condos. Column loads were 660 kips with shear wall loads up to 2,850 kips.

Subsurface Conditions: Subsurface conditions consisted of alluvial silty sand and clay soil to 70 feet with soft clay slough deposits throughout.

Geopier Solution: Cost savings and construction speed were the deciding factors with the choice of the Rammed Aggregate Pier® (RAP) technology compared to 60 foot deep concrete piers. Over 900 bearing and uplift RAP elements were installed during winter rains in less than 45 days. This allowed for job schedule advancement of concrete footing and shear wall construction, as the Geopier GP3® system installation was completed.



PROJECT TEAM

Owner:

Regent Development

Geotechnical Engineer:

Kleinfelder, Inc.

Structural Engineer:

American Structural Engineers

General Contractor:

Regent Development, Inc.

Geopier Installer:

Farrell Design-Build Companies, Inc.

Geopier Designer:

Farrell Design-Build Companies, Inc.