INNOVATIVE PIERING™

PORSCHE PROJECT

Innovative Piering was awarded the contract to furnish and install the helical piers required to support the new D-Patrick Porsche Showroom. Soft, sandy soils were present at the site near the Ohio River bed, prompting the engineers to specify helical piles as a permanent solution for a deep foundation system.

Project: D-PP #10789
Architect/Structural Engineer: Jack R. Kinkel and Son Architects
Location: Evansville, Indiana

The scope of this project consisted of installing 177 grouted helical piles. All of the piles were specified to be Sch.80 materials to achieve greater lateral capabilities.

Half of the piles were to be installed in clusters with average depths of approximately 14'. Our crew easily achieved the minimum ultimate loads of 18kip. When these piles were clustered together, they yielded pile caps with a capacity of 72kip or greater. The other half of the piles were placed in the footers to an average depth of 19' and achieved our minimum ultimate load capacity of 32kip.

After the piles were installed, each was filled with a 10,000# high strength, non-shrink grout mix. Once grouted, new construction caps were bolted to the top of each pile. Carpenters quickly formed up for concrete behind our pile driving crew. Steel workers then placed and tied the steel reinforcement. Concrete was poured the following day.

The total project duration was originally estimated at 9 working days. The Innovative Piering pile driving crew installed approximately 30-40 piles per day, and then would grout them the next day. Immediately following the grouting operations, forming, steel and concrete pours would take place right behind Innovative Piering. The actual project duration was 7 working days.

Our piering crew displayed efficiency, safe operations and professionalism. The general contracting firm responsible for this building project was very pleased with Innovative Piering's all-around performance.