2026 RESIDENTIAL PROJECT OF THE YEAR

DISCIPLINE MEETS EXPERIENCE

WATERFRONT HOME FOUNDATION ON VARIOUS HELICAL PILES

Wichita, Kansas



PROJECT TYPE	LOCATION	HELICAL PIERS	SITE CONDITION	INSTALLATION
RESIDENTIAL	Wichita, KS	93 INSTALLED	WATERFRONT LOT	VARYING DEPTHS

PROJECT OVERVIEW

Located in one of northwest Wichita's fasted-growing residential developments, this custom home was constructed along the along the neighborhood's waterfront, where soil conditions required specialized foundation support. IWP had already completed several projects throughout this development, so they were familiar with the terrain. For this home, the team installed 93 new construction helical piers, (48) 3-1/2" helicals and (45) 2-7/8" helicals, prior to pouring the footing. Each pier was installed to the engineer's required torque specifications to provide the foundation with long-term support tailored to the site's varying structural loads.



PROJECT CHALLENGES

The project required careful coordination from start to finish. Located adjacent to the neighborhood lake, crews worked in close proximity to the water while navigating site conditions unique to a waterfront lot. Multiple contractors were working on the home simultaneously, requiring IWP to coordinate around changing schedules and a limited workspace. Additionally, each wall of the structure required different installation depths dependent upon the loading, meaning crews had to pay close attention to ensure each helical pile met the project specifications.



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INSTALLATION APPROACH



COORDINATION + PRECISION

To maintain the construction schedule, IWP coordinated with the building and neighboring trades, frequently working around other crews and utilizing weekends to maximize productivity.

MEETING EACH FOUNDATION REQUIREMENT

As installation progressed, the crew continuously referenced the engineering blueprints and load calculations to verify the required torque, depth, and load capacity for each section of the foundation. This disciplined approach ensured every helical pile met its individual requirements while keeping the project on schedule despite the complexity of the site conditions and ongoing construction activity.





INSTALLERS

- Quinn Egbarts
- Lucas Isham
- Javier Lira
- James Smart
- Jose Rodriguez

PRODUCTS INSTALLED

45 **TAF-288-84**
10-12-14 leads with (75) TAE-288-84 extensions and (45) TAB-288-NC caps.

48 **TAF-350-84**
10-12-14 leads with (200) TAE-350-84 extensions and (48) TAB-350-NC new construction caps.