



## **CHPP-Composite Helical Pipe Pile** *Beach Front Structure Shoring*

Hurricane Ivan damaged the foundation of a 3-story beachfront structure in Pensacola, Florida. Temporary shoring was used which required replacement with permanent foundations. The primary constrain was limited clearance. The location is on loose sand and it was not desirable to excavate.

The Composite Helical Pipe Pile (CHPP) was selected as the best choice for this project and was the most cost effective solution.

The torque motor was attached to a long boom that permitted easy access. A total of 12 helical piles were installed to a depth of 20 feet with an ultimate installing torque of 20,000 ft-lbs. The helical piles were filled with concrete providing additional strength.



Three story home supported on temporary shoring after Hurricane damage.

The Composite Helical Pipe Pile was easily installed in the height restricted locations and provided the most cost effective solution.



**Building Solid Foundations**

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