

WATERFRONT RESIDENCE SAVED FROM HURRICANE IVAN



The Mazenko residence is a bay front home in the Pensacola area that took the brunt of Hurricane Ivan in September of 2004. The home underwent a major renovation and expansion in late 2000. The original home stood on a shallow foundation. In order to obtain a permit for the renovation, the structure had to have a pile foundation to bring it into compliance with the current building codes. James J. Mallet, P.E. chose CHANCE® Helical Piers to underpin the existing turndown slab on grade construction and existing column footings. The ability to work in low overhead and limited access applications allowed for the installation of the helical piles while keeping the floor above intact.

The utilization of CHANCE® Helical Piles as new construction piles for the addition to the house allowed a deep foundation system to be installed with small readily available equipment without worrying about noise or vibration damage to nearby homes. The time and expense of cleaning up and disposing of augured spoils was also eliminated. CHANCE® Helical Piles were the best solution to a difficult construction problem.

CHANCE® Helical Piles were tested after taking a direct hit from a Category 4 hurricane and proven to have been an excellent decision on behalf of the engineer. The Mazenko residence weathered the storm intact without major structural damage while most neighbors were left wondering how to rebuild! The massive storm surge undermined the slab and footings of the recently renovated home, but the CHANCE® Helical Piles kept structural damage to a minimum. Upon completion of backfilling operations and grouting to fill the voids left by the storm, the Mazenko residence was occupied long before other structures were rebuilt.

If you have a need for underpinning structures, new construction piles, limited access low overhead applications, or tying back new or existing seawalls, CHANCE® Helical Piles are the tested solution for you.



PROJECT PROFILE