

SITE PREPARATION

NEW CONSTRUCTION

» REMEDIAL REPAIR

» HELICAL PULLDOWN® MICROPILE

ATLAS RESISTANCE® PIERS

HELICAL UNDERPINNING

EARTH RETENTION

RETAINING WALLS

HELICAL TIEBACK

SOIL SCREW®

PIPELINE STABILIZATION

TELECOM/SUBSTATION

UTILITY/SOLAR

CERTIFIED INSTALLER

SOUTH JERSEY HELICAL PIERS, INC.
Cherry Hill, New Jersey

PROJECT MANAGER

DANBRO DISTRIBUTORS
Philadelphia, Pennsylvania

LEAD CONTRACTOR

SOUTH JERSEY HELICAL PIERS, INC.
Cherry Hill, New Jersey

Hubbell Power Systems, Inc. is the world's leading helical pile/anchor manufacturer. The CHANCE® brand offers a technically advanced, cost effective solution for the Civil Construction and Electric Utility and Telecommunications markets.

Point Pleasant Home Elevation



PROJECT

Hurricane Sandy Home Elevation

SOLUTION

Laterally loaded CHANCE® Helical Piles

SUMMARY

In the aftermath of Hurricane Sandy, raised awareness of damage caused by a storm surge and the resulting scour highlighted the need for deep foundations with known lateral capacity for residential and light commercial buildings. The intention was to install standard helical piles with the CHANCE Helical Pulldown® Micropile into typical soils that would be affected by a storm surge in the Point Pleasant, NJ area and then determine their performance by field testing. Six helical piles were installed with three different pile casings. Two identical helical piles were tied together at the top with a wood beam during the test so that the behavior of foundations would be similar to piles supporting a structure. Results for three tests are presented that can be used to design foundations that will withstand future events like Hurricane Sandy.



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