Helical Piles of New York Installs (48) Deep Foundation Helical Piles for a New Foundation for a House Damaged by Super Storm Sandy in Southampton, NY

Summer, 2015

Helical Piles of New York
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Project Name & Location:	Southampton, NY
Project Date:	Summer 2015
Project Type:	Original House was Severely Damaged by Super Storm Sandy. Helical Piles were Installed to Support the New Elevated Foundation
Helical Pile Installation Contractor: **Engineer:** **House Lifter:**	**Helical Piles of New York** - Div. of High-Rise Industries **Marc Chiffert** - www.aecengineeringdesign.com **Wolfe House & Building Movers** - www.wolfehousebuildingmovers.com
Helical Piles Specifications:	(48) 1.5" RCS Piles with 8",10",12" Helix Bearing Plates; (8) of the piles were Helical Pulldown Micropiles; 20 Ton Ultimate Capacity; Galvanized
Soils & Embedment Depth:	Sand Avg Pile Embedment 35 ft.
Project Timeline:	Helical Pile Installation - 5 days
Helical Pile Manufacturer:	A.B. Chance - Centralia, MO

Project Overview

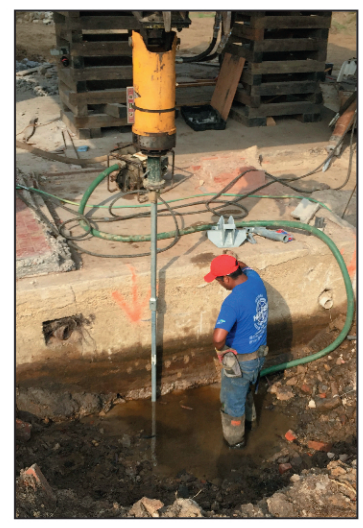
Helical Piles of NY, a division of High Rise Industries with headquarters located in Shirley, NY, recently completed the installation of (48) Chance SS5 helical piles as deep foundations for this old house with two massive stone fireplaces and chimneys that encountered significant damage from Super Storm Sandy. The owner decided to have the house elevated in order to meet the new BFE flood elevation code. Wolfe House & Building Movers was contracted to lift the house so that the helical piles could be installed and the new foundation could be poured. A very shallow ground water table added to the complexity for this challenging helical pile installation.

The house with its two massive fireplaces and chimneys sat for over two years after Super Storm Sandy did significant damage to it. The new owner decided to have the house renovated and raised to meet the new BFE elevation specification.

Design engineer Marc Chiffert contracted with Wolf House and Building Movers to lift the house. He expected that the existing concrete foundation would have to be removed. But once the house was lifted, he inspected the foundation and deemed it to be in good shape. It required underpinning so the new elevated foundation could be added on top of it.

Helical Piles of New York was contracted to install a total of (48) Chance SS5 helical piles - (8) of which were specified to be Helical Pulldown Micropiles with approximately thirty feet of PVC casing. The Pulldown Micropiles provided additional lateral support and mitigated potential issues from the shallow ground water table. The average installation depths for the (48) piles in the sandy soil was 35 feet.

The house had two massive fireplaces and stone chimneys, and several underpinning piles needed to be installed just to provide the necessary support for these very heavy sections of the house. The helical pile installations were successfully completed in five days time.



Click the link below to see a video of the project

https://www.youtube.com/watch?v=qGqHM6Aftzc