



Helical Piles of New York Installs (13) Helical Piles for a New Elevated House Foundation in Long Beach, NY. Foundation is Poured Two Feet Higher than the Base Flood Elevation (BFE) Specification

August, 2014



Helical Piles of New York
1145 William Floyd Pwky
Shirley, NY 11967
516-250-2515
www.helicalpilesny.com



Project Name & Location:	New Elevated House Foundation, Long Beach, NY
Project Date:	August 2014
Project Type:	Original House was Severely Damaged by Super Storm Sandy. Helical Piles were Installed to Support the Elevated Foundation for the New House.
Helical Pile Installation Contractor:	Helical Piles of New York - Div. of High-Rise Industries
Architect:	James Joyce - 41 Georgia Ave, Long Beach, NY
Geotechnical Engineers:	Tri-State Drilling Technologies - 94 Gardiners Ave. #388 Levittown, NY
Helical Piles Specifications:	(13) 1.5" RCS Piles with 8",10",12" Helix Bearing Plates; 20 Ton Ultimate Capacity; Galvanized
Soils & Embedment Depth:	Sand and Gravel. Avg Pile Embedment 19 ft. (View Boring)
Project Timeline:	Helical Pile Installation - 1.5 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 building an elevated house foundation for a new house located in Long Beach, NY. The original house on this site was severely damaged by Super Storm Sandy, and the owner decided to build a new house with an elevated foundation in order to comply with the new Base Flood Elevation (BFE) specifications. The homeowner and the architect, James Joyce, decided to extend the final elevation of the foundation two feet higher than the minimum BFE specification.

Helical Piles of NY was contracted to do the demolition of the old house, all the excavation work, install the A.B. Chance helical piles and construct the new elevated poured foundation.

1) Demolition

The original house was severely damaged by Super Storm Sandy, and Helical Piles of NY was contracted to do the demolition work.



2) Helical Pile Installation

(13) AB Chance 1.5" round corner square helical piles were installed to an average depth of 19 feet with a minimum of 4000 ft. lbs. of torque to achieve a 20 ton ultimate load capacity. Grade beam pile caps were placed on each helical pile.



3) Forming and Pouring New Foundation

Helical Piles of NY was contracted to do the forming and concrete pouring for the new elevated foundation.

A new grade beam footing 2'x20" was poured with 3 number #5 rebar on center. Also, an 8" thick foundation wall was poured 8'x10" high with number #5 rebar 2' on center vertically and horizontally using 4000 psi concrete.



4) The New House Under Construction



Click the link below to see a video of the project

<https://www.youtube.com/watch?v=ktwxy8KK1Nw>

