Helical Piles of New York Installs (40) Chance® Helical Piles for a New Infinity Pool on a Very Challenging Site Overlooking the Bay in Southampton, NY

Winter-Spring, 2016

Helical Piles of New York
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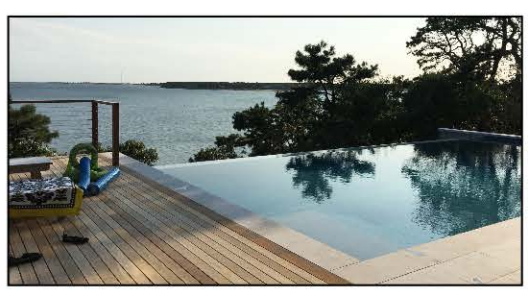


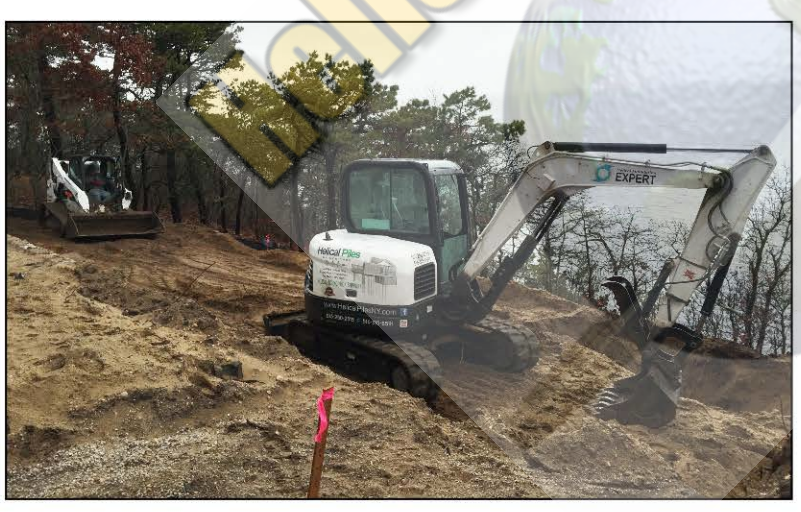
Project Name & Location:	New Infinity Pool in Southampton, NY
Project Date:	Winter-Spring 2016
Project Type:	Homeowner Decided to Build an Infinity Pool with a Spectacular View of the Southampton Bay
Helical Pile Installation Contractor: **Landscape Architect:** **Pool Contractor:**	Helical Piles of New York - Div. of High-Rise Industries Marshall Paetzel. - Amagansett, NY - www.mplastudio.com Casual Water - Southampton, NY - www.casualwater.com
Helical Piles Specifications:	(35) 2.875" RS Piles with 10",12",14" Helix Bearing Plates; 30 Ton Ultimate Capacity; (5) 1.75" RCS Piles with 10",12",14" Helix Bearing Plates; 15 Ton Ultimate Capacity; Galvanized
Soils & Embedment Depth:	Sand - Average Pile Embedment 26 ft.
Project Timeline:	Helical Pile Installation - (3) Mobilizations & Weather Delays
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 installing (40) helical piles as deep foundations to support an infinity pool that overlooks the Southampton-Shinnecock Bay. The site for the pool presented some very interesting challenges for the crew. The slope where the pool was to be constructed was very steep, and the sandy soil was difficult to manage during excavating due to sloughing and caving. In addition, all the excavated soil had to be placed at street level so it could be used for backfill later in the project. The project was completed in three phases due to winter weather delays and the phases required for swimming pool construction.

1) Excavation

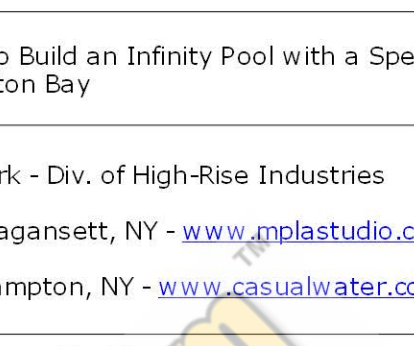
The extreme slope and sandy soil combined to make the excavation extremely challenging, and all excavated soil was placed at street level for use as backfill later in the project.



3) Forming and Pouring the Grade Beams

Helical Piles of NY was also contracted to do the forming and concrete pouring for the grade beams required to support the pool.

2) Helical Pile Installation



(35) Chance 2.875" diameter round shaft helical piles were installed to an average depth of 26 feet to support the walls and grade beams.

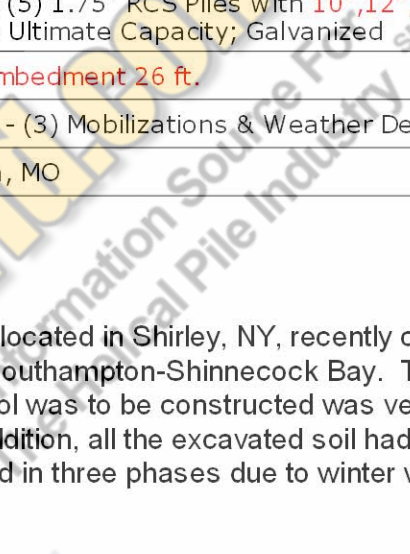
(5) 1.50" RCS helical piles were installed to an average depth of 26 feet to support the deck columns adjacent to the pool.

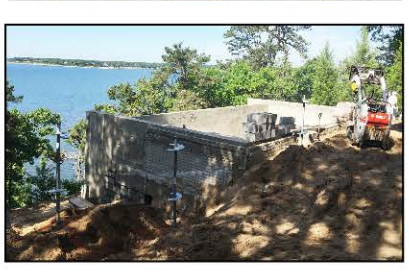
The helical piles were installed in three phases due to combination of winter weather delays and the phases of normal swimming pool construction.

Phase I - installing (14) piles and form work for lower grade beams to support the trough and trough wall.

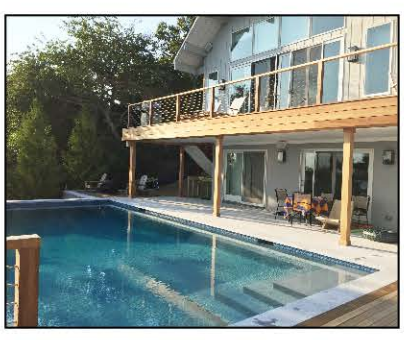
Phase II - installing (21) helical piles to support the grade beams.

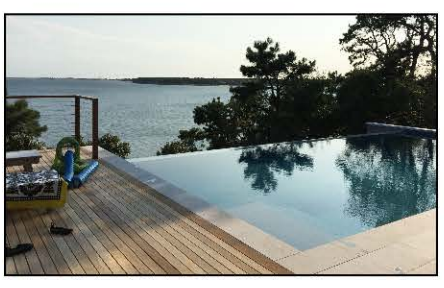
Phase III - installing (5) helical piles to support the deck columns.

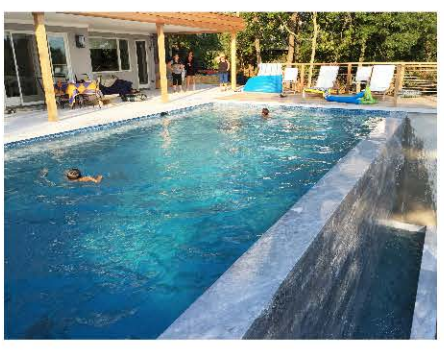




4) The Spectacular Finished Product







Click the links below to see videos of the project

https://www.youtube.com/watch?v=rXCz4awJhw8

https://www.youtube.com/watch?v=CSINcMRTl-o