



Foundation Stabilizers Installs (32) Helical Piles for a Park Pavilion in Ulster New York that Overlooks the Hudson River



Foundation Stabilizers, Inc.
5 Nelson Avenue
Wappingers Falls, NY 12590
845-298-2011
www.foundationstabilizers.com/



Project Name & Location:	Park Pavilion - Ulster New York
Project Date:	December 2015
Project Type:	Deep Foundations
Helical Pile Installation Contractor:	Foundation Stabilizers, Inc. - www.foundationstabilizers.com
Architect:	Barry Price Architecture - Bearsville, NY - www.barryprice.com
Helical Pile Distributor:	Premium Technical Services - www.premiumtechnical.com
Helical Pile Specifications:	(27) 1.50" RCS Piles with 10",12",14"; (5) 1.75" RCS Leads Followed by P35H 3.50" x 3.00" Wall Extensions; 5, 20 and 50 Ton Working Loads; All Galvanized
Soils & Embedment Depth:	Clay; Average Pile Embedment 28-40 ft.
Project Timeline:	(5) Days
Helical Pile Manufacturer:	MacLean Power Systems - Civil Products Group - Fort Mill, SC



In 2015 Ulster Landing County Park officials decided to construct a 25x32 foot public-use pavilion on the banks of the Hudson River.

Architect Barry Price was contracted to design the pavilion, and his primary challenge was to design it in such a way so the force of flood waters and high winds would not move or destroy the pavilion. Helical piles were specified because they have equal resistance for both tension (uplift forces) and compression. It was also important to design the pavilion so that flood waters would flow through it and not against it.

Foundation Stabilizers, Inc. (FSI) was the contractor of choice to install the piles. FSI installed a total of (32) MacLean Civil Products piles - (27) 1.50" RCS and (5) 1.75" leads followed by 3.50" round shaft extensions. The piles were installed to depths ranging from 28 to 40 feet. The piles were cut to elevation, and new construction pile caps were installed.

All of the piles were successfully installed in five days.

