

# Another **CHANCE**® Solution...



**PROJECT:** Fairfield Plaza Addition, Fairfield CT  
**DESIGN ENGINEER:** Cuoco Structural Engineers LLC, Oxford CT  
**CERTIFIED INSTALLING CONTRACTOR:** Soiltesting, Inc. - Oxford CT  
**APPLICATION:** Helical Pile Foundation Support



## *HELICAL PILES SOLVE UNSUITABLE SOIL FOUNDATION PROBLEM*

**Project Description:** Due to unsuitable miscellaneous fill soils at the site of the Fairfield Plaza Addition, helical piles were selected to provide foundation support for the planned 1 story addition.

**Engineering Design:** Cuoco Structural Engineers LLC recommended helical piles due to ease of installation and minimal vibration.

**Installation:** James DeAngelis of Soiltesting, Inc. installed a total of 64 SS175 square-shaft 30-kip capacity helical piers. The depth of the piers ranged from 20 to 35 feet to reach the necessary bearing strata. Chance New Construction Brackets were attached to each pier followed by steel reinforcing bars to support the poured concrete foundation.

