CHANCE™ HELICAL PULLDOWN® MICROPILES REPORT

A CASE HISTORY

Project: Multi-Generational Building, Burlington, VT

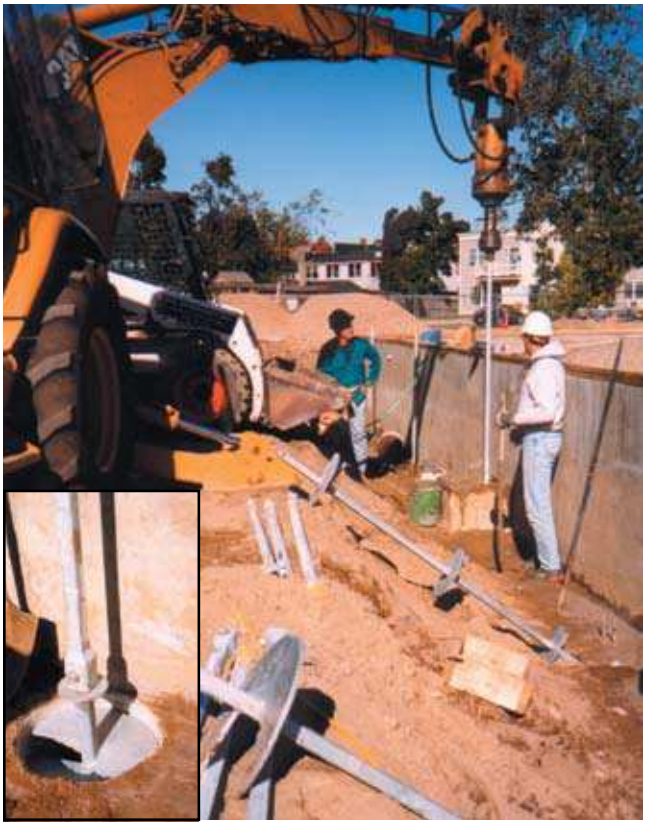
Geotechnical Engineer: Willis Consulting Engineering, Inc., Woodstock, VT

Contractor: Jager Construction Amherst, NH

Job Description:
The soil on grade under part of the building was a layer of fill as deep as 27 feet, mainly of cinders and ash. The original design specified a footing 4 feet wide with a reinforced-concrete wall 5 feet high. Before framing began, some of the foundation walls had settled more than 5 inches.

Repair:
Chance HELICAL PULLDOWN® Micropiles were installed and a load test was performed. Each pile was rated for a 35 kip working load and a 70 kip ultimate capacity. Of the total 75 HELICAL PULLDOWN® Micropiles installed on the job, 35 were installed through holes cored in the footing and then attached to the foundation walls by epoxy-embedded rebar and concrete haunches. In addition, 40 Chance Helical Piers with new-construction brackets were used to support the column loads and structural slab.

With the rapid installation advantage of all the screw piles, general contractor J.A. Morrissey was able to beat the arrival of the harsh Vermont winter by working seven days a week to complete the concrete work, finish the framing and close in the structure.



CHANCE™ Since 1912 DOWN. RIGHT. SOLID.

www.abchance.com

A.B. Chance, a Division of Hubbell Power Systems, Inc.
210 N. Allen St.
Centralia, MO 65240
Phone: 573-682-8414
Fax: 573-682-8660

ISO 9001:2000
QMI REGISTERED
Certificate No. 001136

Bulletin 01-0002
Rev. 3/06