

SITE PREPARATION

NEW CONSTRUCTION

REMEDIAL REPAIR

HELICAL PULLDOWN® MICROPILE

ATLAS RESISTANCE® PIERS

HELICAL UNDERPINNING

EARTH RETENTION

»» RETAINING WALLS

»» HELICAL TIEBACK

SOIL SCREW®

PIPELINE STABILIZATION

TELECOM/SUBSTATION

UTILITY/SOLAR

CHANCE DISTRIBUTOR
FOUNDATION TECHNOLOGIES, INC.
LAWRENCEVILLE, GA

CHANCE CERTIFIED
INSTALLER
MASON GRADY FOUNDATIONS, LLC
PENSACOLA, FL / CAIRO, GA

PROJECT ENGINEER
KEVER MCKEE
TALLAHASSEE, FL

GENERAL CONTRACTOR
ALLSTATE CONSTRUCTION
TALLAHASSEE, FL

WALL CONTRACTOR
SOVRAN BUILDING SYSTEMS
TALLAHASSEE, FL

Hubbell Power Systems, Inc. is the world's leading helical pile/anchor manufacturer. The CHANCE® brand offers a technically advanced, cost effective solution for the Civil Construction and Electric Utility and Telecommunications markets.

Retaining Wall Rickards High School



89 SS125, SS5, and SS150 Helical Tiebacks to secure concrete piles for new concrete retaining wall. 8-32-kip allowable capacities.

PROJECT:

Major renovations to Rickards High School in Tallahassee, Florida include two new classroom buildings which were planned for construction at the base of a large hill. Prior to construction of the buildings, a concrete soldier pile wall was to be built to retain the hill.

BACKGROUND:

The wall would need to be installed close to several existing buildings and while classes were still in session. The wall would need to be constructed with small construction equipment in a short amount of time.

PROBLEM:

Sewer, gas, fire, and water mains all criss-crossed the area where the wall was being constructed. To prevent the need for large equipment and to keep the excavations for the soldier piles as small as possible, the design team wanted to use an anchor system to help resist the loads that would be applied to the soldier piles.

continued

CASE HISTORY

SOLUTION:

CHANCE® helical tieback anchors were chosen to tie back the soldier piles. This shortened the overall length of the piles and helped to reduce their diameter thus preventing the need for large equipment to install the piles. The helical anchors were installed at varying angles so they could be installed around the existing utilities and were also installed with small construction equipment. The anchors were prestressed immediately after installation so that as soon as a section of the tieback anchors was installed and tensioned the wall was immediately being formed and poured.



KEY BENEFITS:

- Small installation equipment
- Immediate loading
- No grout to cure



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CHANCE® Certification #1912-0009-3630

Mason Grady Foundations specializes in CHANCE Helical Pile Systems primarily for foundations and retaining walls. The company is a certified CHANCE installer, we are family owned and operated, and we are a member of the CHANCE Alliance Network.

