

CASE HISTORY

- >> 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

Castle Hills Subdivision



CUSTOMER

DAVID WEEKLY HOMES
Castle Hills, Texas

STRUCTURAL ENGINEER

STRAND SYSTEMS ENGINEERING
Irving, Texas

CERTIFIED INSTALLER

HARGRAVE AND HARGRAVE
Wylie, Texas

PROJECT

Project is new construction, residential. Single family structure. Underlying soil conditions required casing of the drilled concrete piers. This proved to be too costly in terms of dollars and time. CHANCE® Helical Piers proved to be the most efficient technology (vs. drilled, cased concrete piers). Project was conducted in an existing neighborhood which challenged David Weekley with minimal disruption. As far as pier locations, CHANCE Helical Piers were installed at the same design locations as the concrete drilled shafts. Ultimate capacity required per pier: 25 kips per pier.

SOLUTION

Products used in installation: CHANCE SS5 family including an 8' & 10' lead section with a standard new construction bracket. 33 piers were installed in a total of 3 hours (vs. 7 days that was estimated using drilled shafts).

KEY BENEFITS

The overall install was expedient, cost-effective, and quiet (much attributed to the installation method which minimized the equipment required for installation and associated mobilization).

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.

