

# Foundation Repair and Augmentation Systems

## for Residential, Commercial and Industrial Applications:

For stabilizing/lifting foundations or retrofitting to increase load capacity, CHANCE® steel piles are installed at intervals around the perimeter at affected locations. Independent of the structure, the piles are extended to depths which attain the installing torque correlated to the required load bearing capacity.

Special brackets are located where needed around the perimeter and secured to the concrete foundation. Then a steel pile is torqued into the soil and connected to each bracket. The brackets permit lifting by hydraulic jacks. Tightening the nuts on the bracket vertical bolts locks off the load.

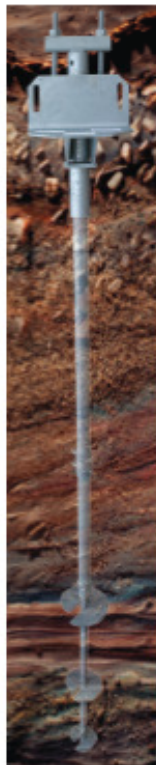
- Reach competent soil below active zone
- Predictable via torque-to-capacity ratio
- No excavation or spoils to remove
- Loads may be immediately applied
- Installs in limited access/low headroom
- Installs in any weather condition



The 278 Pile System transfers loads to the end of its steel shaft (2 7/8" -diameter pipe, 0.203" wall). Special design's 10" drive plate penetrates rugged soil and blunt shaft end bears on solid rock. For more details, see Bulletin No. 01-0501.



Cutaway close up of drive end bearing on shallow rock stratum



CHANCE® Combo Piles provides maximum installation ease and load capacity per helix plus enhanced lateral stability of the upper section where required. They combine helical lead shafts of 1 1/2" or 1 3/4" square solid steel with either RS2875 or RS3500 pile plain extensions via a transition coupling. For more details, see Bulletin No. 01-0501.



CHANCE® Helical Piles have 1 1/2" to 2" solid square shafts or 2 1/8" and 3 1/2" pipe shafts with helical plates 8" to 16" in diameter. For more details, see Technical Design Manual 01-0605.

HeliCAP® v2.0 Helical Capacity Design Software helps design professionals quickly derive the proper helical pile for site- and load-specific data. For a free demo, visit [www.abchance.com](http://www.abchance.com). Then contact your local Distributor or Territory Manager about how to get a copy for your PC.