

OTHER HELICAL PIER APPLICATIONS



Additional pier applications:

- ✓ New Construction
- ✓ Temporary buildings
- ✓ Dock and Decks
- ✓ Retaining Walls
- ✓ Lights and lamp posts



These applications make the screw pile the preferred choice of deep foundation systems in today's rapid paced construction industries.

Your permanent deep foundation solution is achieved when you choose the highest quality products and rely on the expertise of the Helical Pier Systems' contractors.

HELICAL PIER SYSTEMS LTD.

TOLL FREE : 1-866-497-8175

FAX : 1-866-668-9920

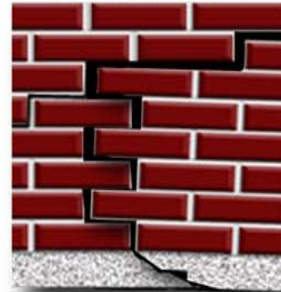
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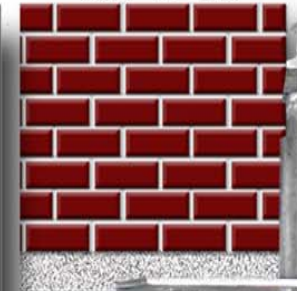
**Innovative.
Engineered.
deep foundation
applications**

BEFORE



**Residential
Repair
and
Recovery**

AFTER



**NEW Construction
Helical Foundation
Systems**



Helical Pier Systems
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Protect your a\$\$et\$.

Helical Pier Systems provides an affordable and efficient solution to foundation settling, sinking and slope stabilization.

In any structure, some settlement is typical within the first few years after construction. When foundations continue to sink over time, causing structural problems, foundation repair is usually the remedy. Foundation failures could also be considered as heaved foundations, cracked or buckled walls and cracked concrete floors. Usually, water is the main cause of foundation movements.

The exterior components of a home are often the most neglected parts of the structure. Roof drains, foundation drains and irrigation lines can cause major problems when plugged or broken and get little maintenance until a problem occurs (ie. wet basements via cracks in foundations). There are other reasons for foundation movement and the cause of the problem should be determined prior to repairing your foundation. All too often a quick fix is offered without solving the cause of the problem, which can lead to further foundation movement in a short period of time. In most cases a Geotechnical and Structural Engineer should be consulted before making any repairs. An incomplete understanding of the problem may lead to an incorrect repair solution.

Helical Pier Systems' contractors are trained and certified to install our foundation products. Helical Pier Systems' Professional Contractors will provide you with the correct solution and the cost to lift and stabilize your foundation. Our round shaft helical piers are manufactured with single or multiple helix plates and our Dura Lift foundation bracket system is designed to fit over the pier and under the concrete foundation so the structure can be lifted back to a level position and transfer the weight of the foundation to the pier and bracket system, thereby stabilizing the foundation from further settlement.

Helical Pier System engineered foundation repair advantages:

- Cost effective
- Fast and efficient
- Minimal disturbance to repair area
- Repair in areas with limited access
- Heavy equipment not required
- Minimal excavation

Screw piles are a well suited foundation pile system for new construction applications where: a soil layer of reliable adequate bearing capacity lies too deep for economic use of conventional footings, or the soil layer(s) immediately underlying a structure are soft or poorly compacted, or the soil layer(s) immediately underlying a structure are moderately to highly variable in nature and would not, in the long term, support a structure. When developing building sites with poor soil conditions or lake front properties, which are subject to high water levels, it becomes economically viable to incorporate screw piles into the foundation system.

COMMITMENT

Our dedicated professionals provide the most innovative engineer designed foundation products and solutions for the construction industry.



A screw pile can resist both tension and compression loads, vertical and lateral wind forces, vibration and shear forces as found in seismic areas. Screw piles are used in situations where resistance to a combination of these forces exist. Screw piles have many advantages over traditional pilings, such as the speed of installation, little noise and minimal vibration that may cause damage to the surrounding structures during installation, no tailings and they can easily removed and relocated.



Screw piles used for Institutional Structures have been successful for new buildings as well as for temporary structures such as portable class rooms. The fact that the piles are removable and relocate-able make them very practical for temporary structures.

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SYSTEMS**

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RESIDENTIAL FOUNDATION RESTORATION

NEW CONSTRUCTION