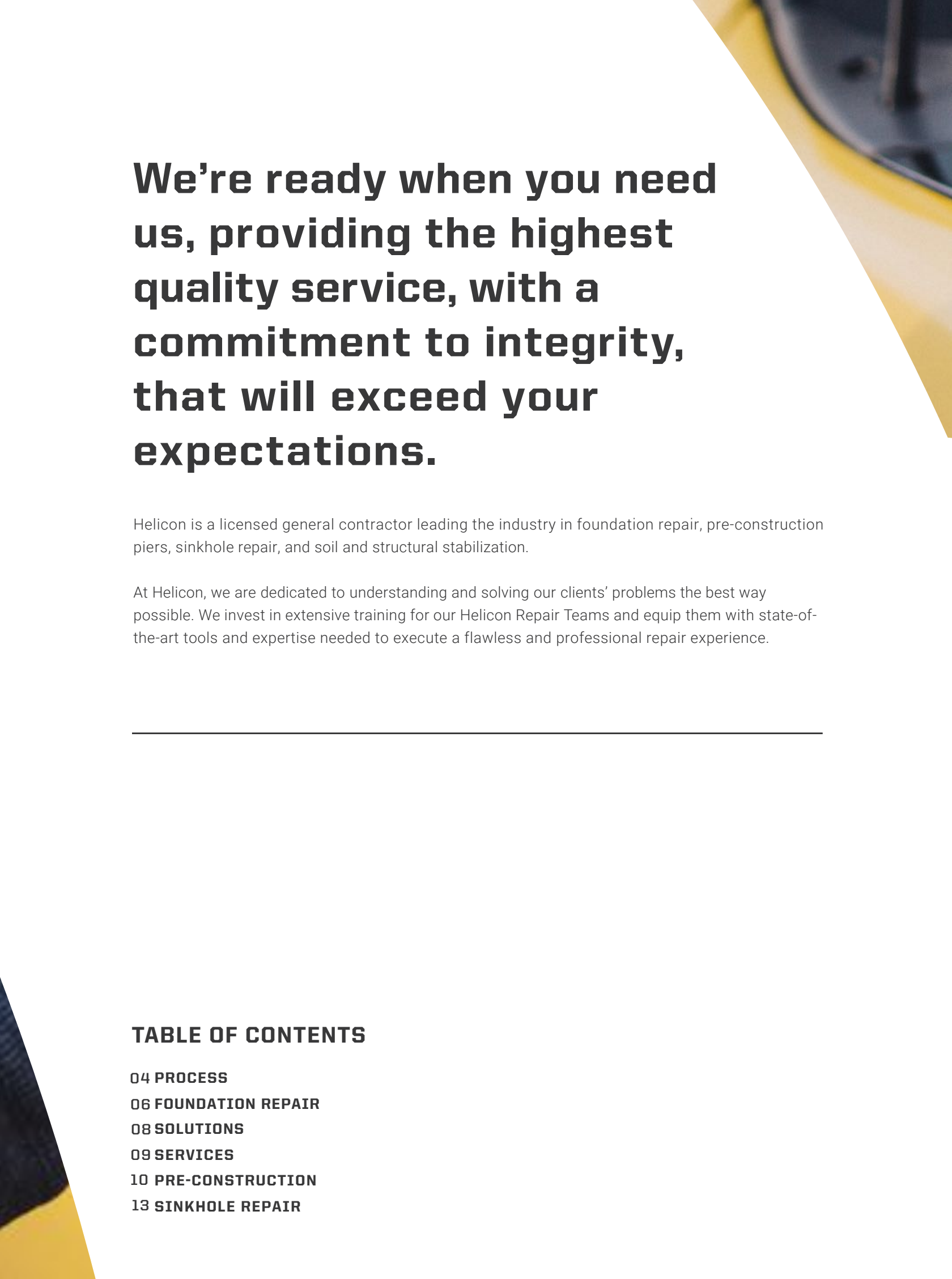




Company Overview

FOUNDATION REPAIR, CONCRETE REPAIR,
SOIL STABILIZATION, SINKHOLE REPAIR,
SEAWALL REPAIR, PRE-CONSTRUCTION





We're ready when you need us, providing the highest quality service, with a commitment to integrity, that will exceed your expectations.

Helicon is a licensed general contractor leading the industry in foundation repair, pre-construction piers, sinkhole repair, and soil and structural stabilization.

At Helicon, we are dedicated to understanding and solving our clients' problems the best way possible. We invest in extensive training for our Helicon Repair Teams and equip them with state-of-the-art tools and expertise needed to execute a flawless and professional repair experience.

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PROCESS



React

Schedule Appointment

Helicon's support team is standing by to schedule an appointment as soon as possible with one of our Project Specialist. Our team of experts react quickly when speed is critical and promises to be understanding and transparent every step of the process.

Evaluate

Dedicated Project Specialist

Depending on your needs, we will be at your property as soon as possible to do a thorough inspection. We assign every client a highly trained Project Specialist who design the best repair plan for your project and can answer any questions.

Protect

Minimally Invasive Repairs

Your property is important to you, which is why it is important to us. Helicon takes extra precautions to maintain the integrity and beauty of your property as we work. During any kind of project, we strive to be as minimally disruptive or invasive as possible.



Prepare

Quality Materials

We know that our work is only as good as our team, equipment, and materials. Helicon is equipped with the highest-level machinery, certifications, and training so when we do a job, we do it right. While our prices are competitive, you will always get the best workmanship and materials.

Execute

Exceed Expectations

A dedicated foreman will guide the team throughout each part of the repair process. Your foreman will explain the details every step of the way to make sure all questions are answered. During the final walk through, we will ensure that you are happy with the work that has been completed.



**QUALITY WORK,
GUARANTEED
TO LAST.**

Foundation Repair

With Florida primarily built on limestone, it makes for a prime candidate for unpredictable foundation issues. However, cracks in floors, walls, and pavement; foundation exposure and unusual lawn activity; doors and windows failing to close properly; or cracks in your driveway can all be signs of a sinking foundation here in Florida or elsewhere in the United States.

The Right Repair For Your Property

Foundation issues can vary in severity and depth, which can influence the type of repair best suited for your property. Helicon's team is licensed and trained to stabilize a wide range of loose foundations.

- **Underpinning**
- **Helical Piers**
- **Grout Injection Piers**
- **Pre-Construction Piers**
- **Compaction Grouting**
- **Chemical Grouting**
- **Permeation Grouting**
- **Slurry Grouting**
- **Helical Tie-Backs**



Solutions

Foundation Repair

As one of the leading foundation repair contractors in Florida, Helicon has successfully performed thousands of foundation repair projects. Our foundation repair options can increase the value of your property and restore it's foundation to its former integrity.

Concrete Repair

We work on stabilizing the ground to prevent further shifting. Poly Foam is a valuable ally in this task. We begin by detecting and filling any void that is under the affected area. Our 2-part Poly Foam process fills these empty spaces and expands. As a result, the adjacent soil undergoes extensive compaction.

Soil Stabilization

Soil stabilization is a method where cementing materials, special soils or other chemicals are added into natural soils to improve its strength and composition to support load-bearing structures like houses, shopping malls, commercial buildings, manufacturing facilities, warehouses, highways, and bridge piers.

Sinkhole Repair

Our professional Helicon sinkhole repair teams are trained and equipped with the tools and expertise needed to execute a flawless and professional experience using the latest technology to repair your sinkhole.

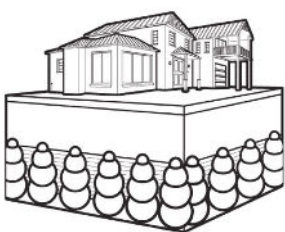
Seawall Repair

We install poly foam chemical grout with a minimum of disturbance to your property caused by excessive equipment or messy materials. The process of poly foam repair is far quicker than cement grouting and returns your property to use within hours instead of days or weeks. This repair approach is especially apt at quickly eliminating leaks that cause erosion and seawall failure.

Pre-Construction

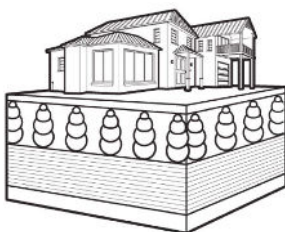
Protect your foundation before the construction of your home or business with helical pier installation, underpinning, chemical grout, and compaction grout services.

Services



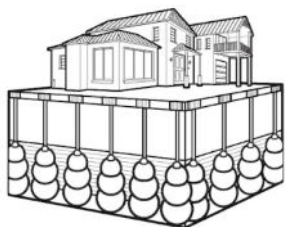
Compaction Grouting

The Compaction Grouting method of soil stabilization caps and seals the limestone's surface, fills voids, and pushes into the loose, weak soil, compacting and strengthening it.



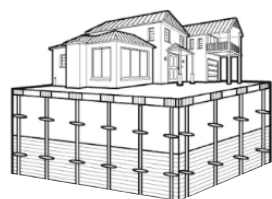
Poly Foam Chemical Grouting

Poly Foam is the safest and most accurate method of filling voids within 15 feet of the surface. Poly Foam uses a low-pressure injection technique to fill narrow crevices, pores, and loose soils that could cause foundation problems. This method is also used to repair areas around pools, driveways, foundations, and seawalls.



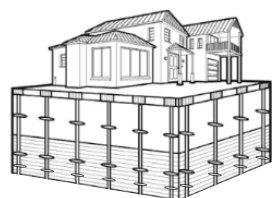
Injection Piers

Injection Piers utilize a process that injects or pumps a grout solution through the perforated pipes of the pier. The power of underpinning is combined with the soil stabilization of compaction grouting to ensure a rock-solid foundation.



Underpinning

Underpinning is a repair method used to fix foundation damaged structures. The process of underpinning a foundation involves extending the foundation's load onto steel piers that extend down to solid bedrock. Piers can often lift structures to their original level.



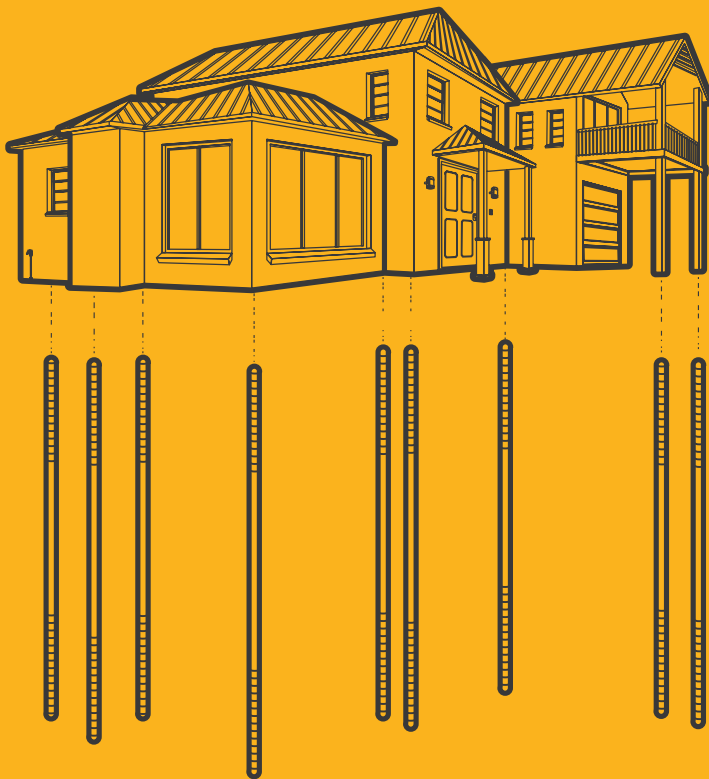
Helical Piers

Helical Piers are an excellent choice for stabilizing existing structures that have been damaged due to settlement in specific conditions. Their main function is to support and stabilize the load bearing walls. The weight of the structure is transferred off the weak soils and onto the Helical Piers.

PRE-CONSTRUCTION

We're ready
when you need
us, providing the
highest quality
service, with a
commitment to
integrity, that
will exceed your
expectations.

Pre-Construction Process



Pre-Construction Drilled Piers

New construction underpinning is an increasingly popular method to prevent future foundation problems. By installing a pre-construction pier system prior to laying your foundation, you can ensure that the structure will rest on a solid base.

Advantages

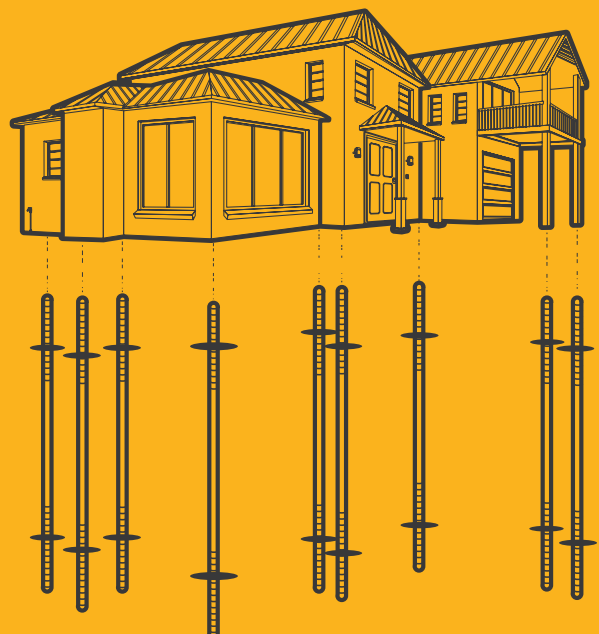
- Versatile - can be installed to support any load
- Installation is very fast
- Safely & permanently transfers the weight of a structure onto a solid bedrock
- Safe to install in environmentally sensitive areas

Pre-Construction Helical Piers

Protect your foundation before the construction of your home or business with helical pier installation. The helical pier foundation can be devised to resist or support any load or application

Advantages

- Can be installed year round
- Round shaft has a high resistance to bending
- Galvanized steel resists corrosion for long life
- Cannot be seen after installation
- No vibrations to neighbors
- Can be installed in tight spaces
- Cost effective



Pre-Construction Helical Piers

- Load is transferred through problematic soils to load bearing strata to achieve proper torque.
- The piles are easy to handle and are available in multiple lengths.
- Can be driven in hard soil conditions and to greater depths.
- Higher load capacity
- Faster and easier installation, and lower overall cost.
- Groutable
- Can be encased in concrete, if required.
- Greater design flexibility for the engineer. Many design options available.
- Less impact while driving into the ground minimizing seismic wave activity

	PRE-CONSTRUCTION PIERS	TIMBER PILE (WOOD)
DEPTH LIMIT	Subject to soil density	
TORQUE LIMITED	NO	NO
LOAD MAX (KIPS)	>137 kips (2½ O.O) certified	20 to 100 kips
ROCK PENETRATING	YES	NO
FAST INSTALL	YES	Moderate
HEAVE SUSCEPTIBLE	NO	Yes (friction pile)
SETTLEMENT SUSCEPTIBLE	NO	Yes (friction pile)
GALVANIZED	YES	NO
AFFECTED BY GROUNDWATER	NO	Potentially
SUBJECT TO COLLAPSE	NO	NO
SUSPECT TO POUNDING		

Limitations of Timber Piles

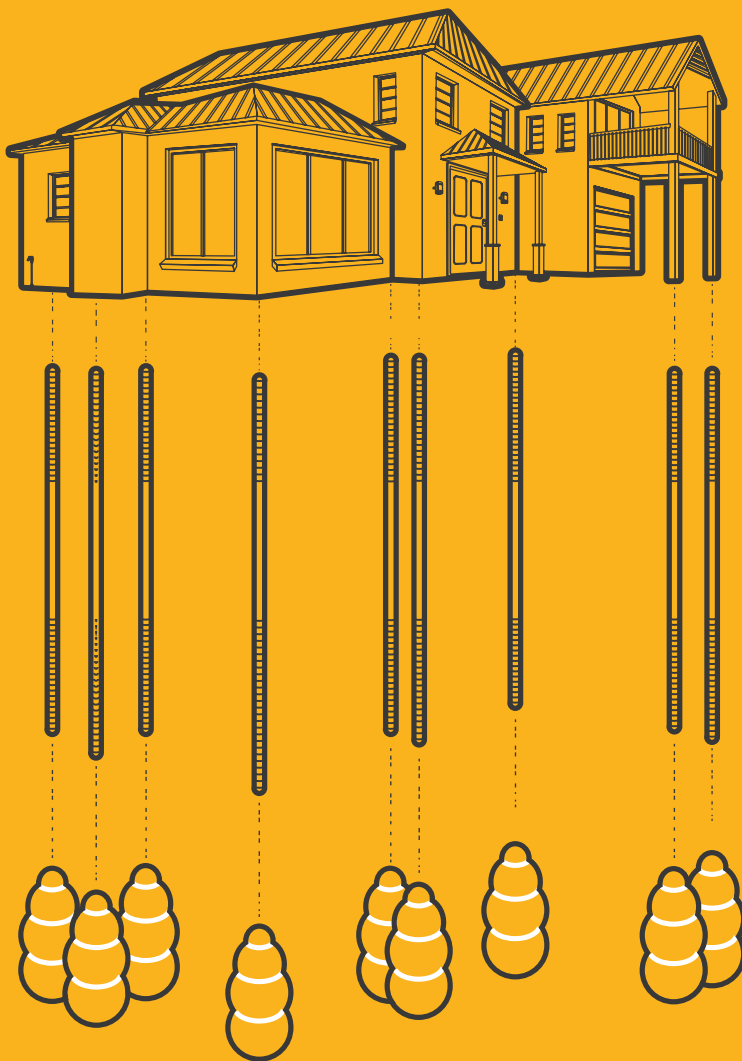


- Salt water corrosion limits life of piles.
- Pile Cap installation costs are greatly increased due to deep excavation requirements where sub-soil water level is very low.
- Low joint strength limits the depth of the timber piles.
- Lower load-bearing capacity.
- Timber piles must be cut off below the permanent ground water level to prevent decay. If the water table at a site is at a greater depth, extra cost of excavation needed to provide the pile cap may render the choice uneconomical.
- Increased safety concerns during installation in filled-in ground.

SINKHOLE



Sinkhole Repair Process



Structural Stabilization

Underpinning rests your property's foundation on underground steel piers. These steel piers safely and permanently transfer the weight of a structure onto solid bedrock or load-bearing strata. In some cases, Helical Piers are used for more shallow stabilization of load bearing walls. For additional stabilization, Injection Piers combine Compaction Grouting and Underpinning methods for the most stable foundation repair.

Underpinning

Helical Piers

Tie-Backs

Injection Piers

Soil Stabilization

For deep sinkholes, Compaction Grouting fills voids and stabilizes weak soil down to the bedrock. Chemical Grouting is the safest and most accurate method of filling sinkhole voids and densifying loose soils that exist within 15 feet of the surface.

Compaction & Chemical Grouting



“I believe in keeping the promises we make to clients. That’s how I founded Helicon, and I strive to always run a company that can be trusted.”

JAY SILVER, FOUNDER

Connecting With Us

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844-HELICON

If you have concerns about your property’s foundation, give Helicon a call.

HeliconUSA.com

Get the latest news on Foundation Repair by visiting Helicon's website.



HeliconUSA.com