

# ARIZONA HELICAL-PIERS

Dealer / Contractor



**ICC ESR-2794, SPEC-DATA, ISO-9001 Certified**  
ROC #228001 K-05 Dual

**A.B. Chance Company**  
a Division of Hubbell Power Systems, Inc.

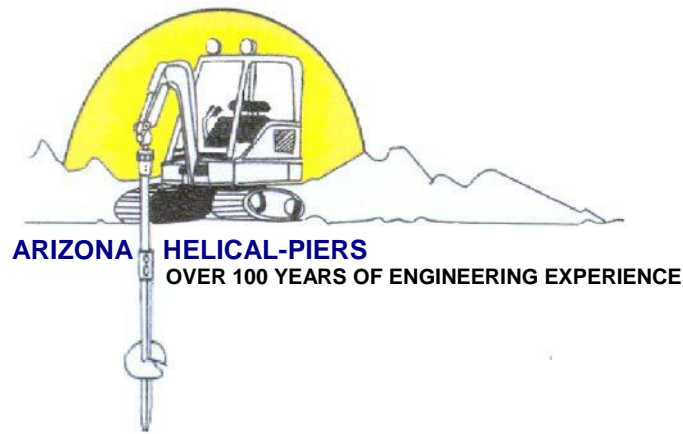
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We accept: **Visa** - **American Express** - **MasterCard** - **Discover**





## LETTER OF INTRODUCTION

To Whom It May Concern:

**Arizona Helical-Piers, L.L.C. (AHPC)** is a **certified installation company** specializing in the A. B. Chance Helical-Pier Foundation Systems for **commercial and residential**, i.e., foundations, tiebacks, remedial, new construction and other numerous applications.

This **fully engineered system** has been in production and proven for over 100 years through the A.B. Chance Company. In addition, these systems are the **only** foundation systems in the world that have **gained acceptance** from **ICC ESR-2794**. It is important to note that these approvals are **unique to only the A.B. Chance Helical-Pier Foundation Systems**.

After reviewing this information, we are confident you will find **Arizona Helical-Piers, L.L.C.** will provide the **world's best and most cost effective** solutions for your problems.

Please feel free to contact **Arizona Helical-Piers, L.L.C.** at **480-854-7661** with any questions.

Thank you for your consideration.

Sincerely,

*Ivory A. Bates*

*Keven Kullberg*

**Arizona Helical-Piers L.L.C.**



More than 100 years ago, A. Bishop Chance developed his first patented earth anchor. Since then, the A.B. Chance Company has continued to introduce new anchoring products for tension and compression. Among the most significant milestone in anchoring history are the systems of power-installed screw anchors for electric-power, telephone utilities, pipelines and the construction industry.

These power-installed helical pier systems have proven to be extremely reliable while offering predictable holding capacities at economical installation cost. Moreover, their unique advantages have led to a growing range of compression and tension anchoring applications. Loads as high as 200,000 lbs. per pier are achievable in certain soils. Special termination i.e., **new construction, underpinning, tieback and anchoring** allow simplified load transfer from the structure to the piers.

### UNDERPINNING BRACKET DETAIL

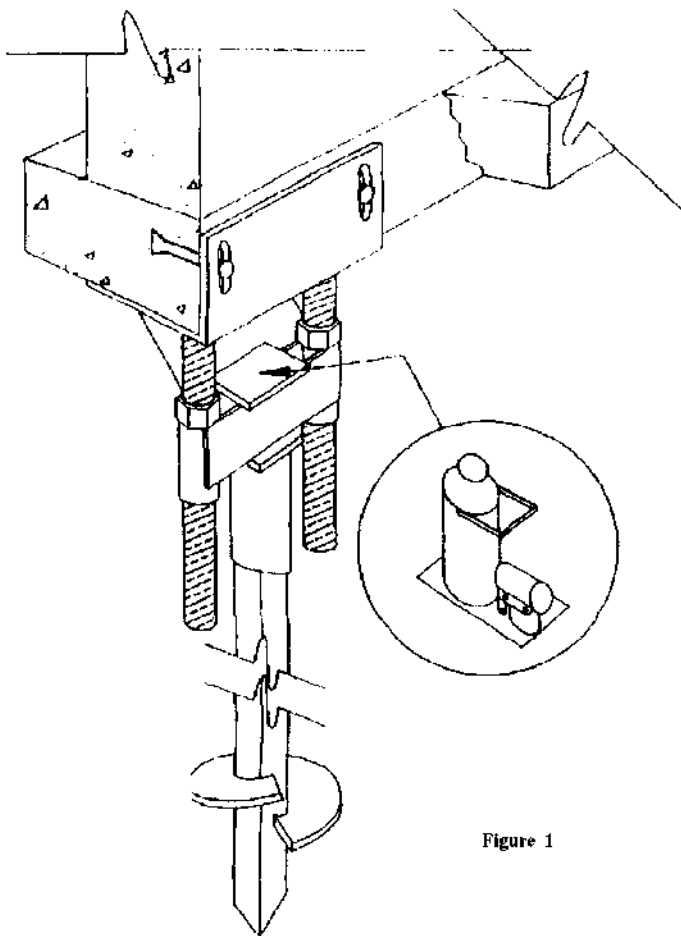


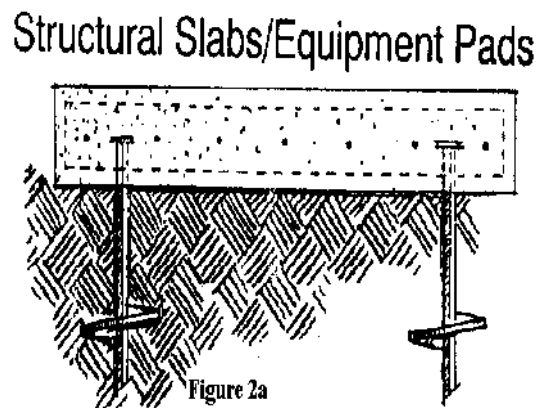
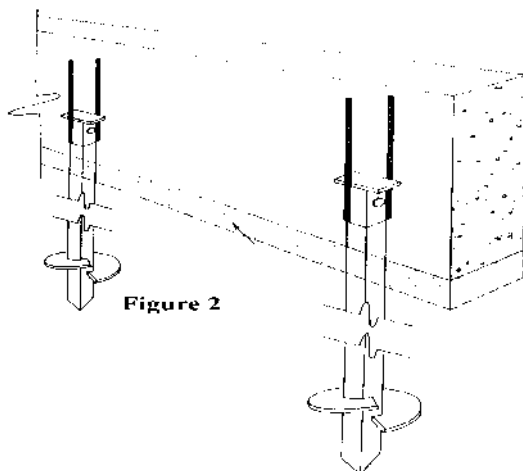
Figure 1



As an engineered solution to foundation settlement, the patented A.B. Chance helical anchoring systems have been proven over and over again as a reliable and economical method of foundation stabilization. This process (**figure 1**) is not only cost effective; it is controlled in all aspects, predictable in results and when properly installed, guaranteed against failure.



Over and over again, as foundations are repaired in Arizona, as well as other parts of the southwest, the satisfied customers of **Arizona Helical-Piers, L.L.C.** have commented how they wished the piers would have been required during the initial construction of their home building process. Helical anchors in new construction are being specified more and more by architects and engineers alike throughout the world. California and others are beginning to realize the merits of the helical piers installed during new construction in areas prone to earthquakes. In Arizona alone, there are many cases of newly constructed homes and buildings in litigation over settlement problems due to improper soil compaction, expansive soils, improper drainage design, bad landscape designs, etc. Millions of dollars in legal fees alone are being spent just to defend such cases. Installation of helical piers during new construction is a fraction of the cost as compared to repairs and/or settlements made after occupancy. Below **(figure 2)** note a simple drawing of a helical pier in a new construction design. Engineering test reports, which reflect compression load tests performed on this helical pier and load cap design are available upon, request. Other **(figure 2a)** products for structural slabs and equipment pads are available.



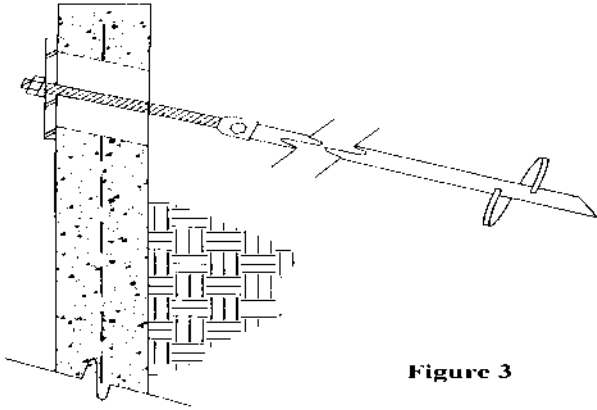
**Figure 3** reflects a helical anchor in tension. Helical piers are well known for their tension capacities. A.B. Chance Helical-Piers, in tension, has a 70-year success history. These piers are perfect for new, temporary or remedial use on existing retaining walls. This system allows you to immediately load your tieback after installation. No waiting time is necessary for grout or concrete to cure. As with all helical piers, predictable holding capacities are insured once installation torque is achieved.



New construction installation.



A.B. Chance **Soil Screw**; same installation method as the helical pier.



**Figure 3**



In dealing with steel components, corrosion is always questioned. A.B. Chance has over a period of many years studied the affects of corrosion on installed piers. Their experience has shown that for soils having pH's greater than 6 and soil resistivity above 500 ohm-cm, or for pH's greater than 5 and resistivity greater than 600 ohm-cm, one can expect a useful life in excess of 75 years without galvanization. For soils with very high corrosion potential, additional corrosion protection is available.

The actual pier capacity is determined by measured installation torque. The installation torque method of determining ultimate capacity is analogous to "blows per foot of set" in the pile driving industry. The torque required to install a helical plate into the bearing strata is an accepted method of determining soil-bearing capacity.

Over a century of research, development, and testing have advanced our power-installed foundation system to its present mature stage. Compared to traditional foundation methods, the Chance foundation system offers attractive benefits in the conservation of labor, materials, equipment, and especially time.

Power-installed foundations have been proven in thousands of installations throughout the world. These instant foundations come in two forms; non-extendible foundations, for site lighting or any pole support, and extendible foundations for deeper bearing soils.

Chance engineers have installed, tested, and retrieved countless foundations to confirm performance and durability. The predictable holding strength of Chance foundations is achieved by matching the installed torque of the foundation to the retention capacity of the soil. Predictable holding strengths for almost any load are obtainable in most soils from loose **sand** and **clay** to **caliche** and **weathered sandstone**.

A typical foundation can be installed by **Arizona Helical-Piers, L.L.C.** in very little time using standard equipment. The superstructure can be mounted immediately with no waiting for concrete to cure. Chance foundations can be installed in all weather conditions; thus eliminating weather related construction delays. They can function as permanent installations or serve as temporary foundations, which can be easily retrieved and reused.



**AHPC on location in Scottsdale, Arizona**

Each year, hundreds and thousands of helical pier foundation anchors are produced and installed, solving many challenges unattainable by conventional methods. The **“Chance Helical-Pier System”** offers a technically superior and cost-effective approach.

The galvanized steel helical pier units are pre-engineered to transfer projected loads to bearing-capable strata below weak soils. This isolates the structure’s integrity from seasonal changes in the surface-layer conditions. To reach a sound geological footing, shaft extensions may be added during installation. **Loads of up to 200 kps can be attained on a single pier.**

At the conclusion of an eight year process, the A.B. Chance Company with their helical pier installation systems have finally received acceptance through **ICC ESR-2794**. This approval is unique to our helical piers systems only, mainly due to the many checks and balances the dealers, contractors and distributors have with A.B. Chance Company to insure compliance with a higher standard of construction quality.

**Arizona Helical-Piers, L.L.C.** wants to act with you in solving problems. In doing this, the A.B. Chance Helical-Pier can only improve local construction standards and revolutionize the construction industry, as many other markets have done throughout the world. Once instituted, the market can share in the notoriety and satisfaction of knowing that our structures have been engineered with the best foundation and anchoring systems available.





The helical pier has many diverse uses with no problem too tough for **AHPC!**



# A Sample of **AHPC** Case Histories

Other case histories available upon request.



**AHPC** operations yard located in Gilbert, AZ.

**"A home is only as good as the foundation it sits on"**



# AHPC

## HELICAL REPORT

**CASE HISTORY #19980520-A**

**June 19, 1996**

**Project**  
Edmund Toll, Inc.  
Scottsdale, AZ

**Engineer/Architect**  
Bingham Engineering  
Phoenix, AZ

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

### Job Description:

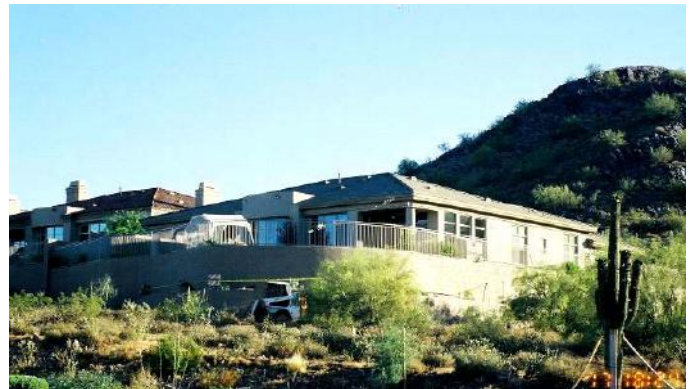
This custom built north Scottsdale home had a problem with sinking of the retaining walls as well as settlement of the south side of the main structure itself. It was unusual for a retaining wall to settle without much rotation involved, therefore underpinning was used instead of the normal tieback.

### Repair:

**AHPC** contracted to stabilize the south side of this residence and retaining wall. **38 Chance Helical piers**, with **8"** helices were installed. Some of the helices were shaved to a rock cut configuration to achieve penetration through the exceptionally rocky fill. Piers were installed to an average depth of **10ft**.



**AHPC** crews arrive to set up at the Chapman residence.



Each pier was done using a remote hydraulic system.



**AHPC** staff checking portable guided mast.

# AHPC

## HELICAL REPORT

**CASE HISTORY#I-1296**

**June 22, 2004**

**Project**  
**AZ Cardinal's Stadium**  
**Hunt Construction Group**

**Engineering Contractor**  
**Schuff Steel Co.**  
**Ed Carroll/Ron Offenburger**

**A.B. Chance certified installer**  
**Arizona Helical-Piers Co.**  
**Phoenix, AZ**

### Job Description:

**Anchor cables in retention:**  
Installation of 132 A.B. Chance SS-175, with double heliced leads to be used as roof support guy-wire tension anchors. This was to be done in two phases. The first phase was installation and the second phase was to uninstall the anchors.

### In Tension:

All piers had to be pull tested at a 38 to 45-degree angle, to a minimum of 50-kips and to be held there for one minute with no shaft movement. This using two 3-ft. high I-beams, 40-ft. long and sitting on cribs.

### Pier depths:

The minimum installed depth from the upper helix was 42-inches with a maximum of 77-inches. The area at one time was an ancient river bed. The soils were so bad that AHPC had to rock cut the leads to even get these depths. Even at these shallow depths all the piers held well.



Construction of Cardinal Stadium almost completed.



AHPC crew inside stadium drilling holes in cut piers to receive 25-ton shackles



Helical piers and cables used for support the roof is hydraulically raised without a glitch....



# AHPC

# HELICAL REPORT

**CASE HISTORY#2000317-A14P**

**March 23, 2000**

**Project**  
Monti's Restaurant, Mesa  
Patrick Foley Constr. & Dev., Corp.

**Engineer**

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

## Job Description:

This is an addition to an existing restaurant. Due to past settlement problems, it was decided to use the helical pier in new construction before the footings are poured.



Installing rebar end caps to the helical piers before tying in to cage-work and footing/stem pour. Weight load set at 20,000 (20 kips) with 1½" pier shafts. Much higher loads can be reached by using larger shafts.



Foundation trench for two story addition at south west corner



Full view of Monti's Restaurant

# AHPC

## ANCHORING REPORT

**CASE HISTORY #19960524-A**

**May 5, 1996**

**Project**  
ASU Aquatic Ctr.  
Commercial NC

**Engineer/Architect**  
Gabor Lorant Architect  
Cary Stoneman

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

### Job Description:

The location is the **Mona Plummer Aquatic Center** at **Arizona State University**. The project: To secure the diving platforms. The **helical pier** was found to be the best method in obtaining a deep foundation.

### New Construction:

**Helical anchors** in new construction are being specified more and more by architects and engineers alike throughout the world.

### Note:

It's a surefire method for avoiding litigation over settlement problems due to improper soil compaction, expansive soils, poor drainage and/or landscape designs, etc.



Arizona State University



Dive platforms, Mona Plummer Aquatic Center



After the piers are installed to specific pre-engineered capacities, load caps are attached to the top of the shafts. This is for the purpose of tying-in the pier to the rebar before the footing is poured.



# AHPC

## HELICAL REPORT

**CASE HISTORY #19981001-A**

**October 1, 1998**

**Project**  
Del Webb Sun City  
Sun City West, AZ

**Engineer**  
Bingham Engineering, Inc.  
Daniel Bingham, P.E.

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

### Job Description:

The **Del Webb Corporation** called on **AHPC** to **tieback** (using the *A.B. Chance Helical-Pier*) **333ft** of reinforced block retaining wall.

### Repair:

A total of **36 helical piers** were installed to stabilize and stop further movement. The heel side of the wall had to be hand dug, drain holes drilled and then backfilled with gravel for drainage.



Lot #50 completed project



8in. X 8in. 3/8 steel plate used in this case as a retaining washer.



Heel side of previously trenched (330ft. X 4ft. deep) wall



# AHPC

answers an emergency, i.e. retaining wall tieback for the **Del Webb Corporation.**

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Look closely, see numerous helical piers (**used in the tieback configuration**) can be seen coming through the retaining wall into the heel side trench and then on into the soil. Here, capacities are reached through torque; retention capacities were **25 kips working load per pier with an ultimate of 50 kips.**



**AHPC** received a letter of recommendation from the Del Webb Corp. for its courteous attention and respect shown towards the many folks whose yards were worked in.



# AHPC

## CASE HISTORY REPORT

**CASE HISTORY #19980107-B**

**February 25, 1998**

**Project**  
Washington School District  
Commercial Underpin & NC.

**Engineer**  
Caruso-Turley-Scott  
Target General, Inc.

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

### Job Description:

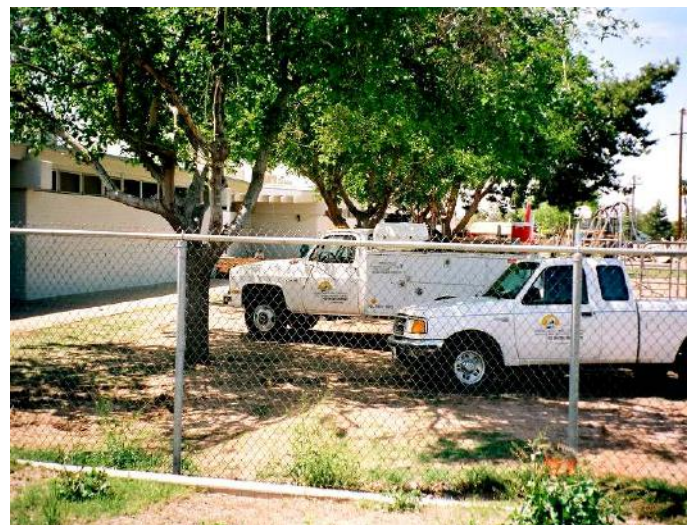
This is a **4-building, 64** helical pier **underpin** and **new construction** project, located at the Washington School District; **Cactus Wren Elementary School** in Phoenix, Arizona. All structures exhibited signs of distress with a pronounced settlement causing horizontal cracking on many of the walls. The helical pier was used in new construction to avoid future problems in buildings being constructed.

### Repair:

A total of **64 helical piers** were installed with **40** of these to stabilize existing outside load bearing walls by underpinning. **Twenty-four piers** were **new construction** with rebar load caps before the footings were poured.



Front entrance to Cactus Wren Elementary School



South side of Building B as **AHPC** crews readied to start.



# AHPC used underpinning & new construction at Cactus Wren.

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Excavator with power head



Building C, underpinning



New pier before footing pour.



Rotating pier into the ground



Building A, new construction



# AHPC

## HELICAL REPORT

**CASE HISTORY #19991208-A13P**

**December 12, 1999**

**Project**  
Desert Mtn./Cave Creek  
KNC Construction

**Engineer**  
Bingham Engineering  
Scottsdale

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

**Description:** This custom built multi-million dollar Cave Creek home had a problem with interior and exterior settlement.



Outside triangular rock pillars had to be underpinned and lifted back to level using **8 A. B. Chance Helical-Piers** connected by redheads to the square underground reinforced concrete footings.



All patio rock slabs were removed. Underpinning of an elaborate BBQ area was done to save the structure.



Underpinning brackets mounted and grouted to the outside BBQ footings.

**Repair:** Two interior fireplaces had to be underpinned and lifted. The kitchen fireplace was leveled but the entryway fireplace needed to be reinforced due to an extremely small and inadequate footing. **AHPC** used two I-beams welded together to reinforce the footing.



# AHPC

## UNDERPINNING REPORT

**CASE HISTORY #19980414-A**

**April 22, 1998**

**Project**  
**Residential Underpin**  
Gilbert, AZ

**Engineer**  
Declined

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

### Job Description:

This single story home located in Gilbert, Arizona experienced front and side settlement due to the area's expansive soils. The property owners were concerned with what they believed to be the inevitable destruction of many landscaping plants. We were able to save most of them.

### Repair:

**AHPC** used **8 helical piers** to stabilize outside load bearing walls. Because of front decorative retaining walls and foliage, all access holes to reach footing had to be hand dug and our remote hydraulic powered **Guided Mast System** was employed to do the actual pier installations.



Front entry area to the Halcomb residence



The remote **Guided Mast System** with hydraulic hose lines running to a Bobcat. This is a hand operated system used when tracked equipment can not be applied to the project.



# AHPC

## UNDERPINNING REPORT

**CASE HISTORY #19971009**

**November 10, 1997**

**Project**  
Commercial Underpin  
Holbrook, AZ

**Engineer**  
Western Technologies, Inc.  
Geotechnical

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

### Job Description:

This is a single-story, **40 year-old five-plex apartment building** located in Holbrook in North Eastern Arizona. Slab-on-grade structure supported on shallow spread footings. The structure exhibited signs of distress along the west side as with a pronounced horizontal wave to the roof line (*not shown*) all due to settlement, caused by a leaking water line.

### Repair:

**AHPC** installed a total of **19 helical piers** with three of these to underpin inside load bearing walls. **Fig. #2** is of structure after it was lifted to level.



Before underpinning, notice cinderblock cracking due to a drop of the foundation.



Before: roof rolling like ocean waves.



**Fig. #2** Roof waves gone after underpinning

# The helical pier underpinning results at the Holbrook Apts.

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Inside before



Inside after



Outside before



Outside after



Before



After



# AHPC HELICAL REPORT

**CASE HISTORY #19990311-B9P**

**March 21, 1999**

**Project**  
SSA/Registrar of Contr. Office  
Show Low, AZ

**Engineer**  
Speedie & Assoc.  
Phoenix, AZ

**Underpinning Contractor**  
**Arizona Helical-Piers Co.**  
Phoenix, AZ

## Job Description:

This building is home to the **Social Security Administration** and the **Registrar of Contractors** offices in Show Low, AZ. Four of the support columns were sinking.



AHPC remote hydraulic foot control.

## Repair:

Four **Chance Helical-Piers** with 8 inch helices were used placing **one at each column site** and installed with a **hand operated, 2,500ft. lbs. power head**. The pier depths were approximately 8 to 10ft. at 25 kips.



AHPC setting torque bar in tight conditions



Kevin Fox installing connecting extension bolt



# New Construction

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Helical piers installed at load capacities up to 100 kips each with end caps ready for footing pour.



Aquatic applications in new construction



Used to combat the overturn factor (wind-shear)



New construction installation



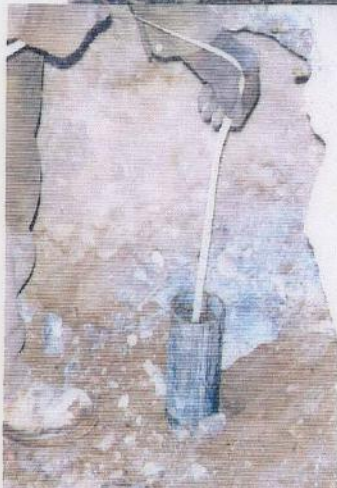
Used in deep foundations



# CHANCE<sup>®</sup> HELICAL PIER<sup>®</sup> FOUNDATION SYSTEM FIXES THE "FIX"



The Big O Tire Store in Cedar City, UT had been "fixed" with pipe piles. Collapsible sands interspersed with cobbles caused the foundation to settle. Because the pipe piles were not installed into load bearing material, the building continued to settle another 1 1/2 inches. Helical piers were recommended as the fix by the geotechnical engineering firm, Applied Geotechnical, of Cedar City. Chance underpinning dealer, Caisson Drilling of St. George, UT installed type SS175 helical anchors with 10,000 ft.-lbs. torque rating. The helical were torqued through the cobble layer into competent load bearing material below. The pipe piles had been installed to no more than 40'. The 28 remedial helical piers and the 31 new helical piers for a new addition were installed from 45' to 65' deep. The average installation depth was 52'. The building was re-leveled with the patented underpinning bracket.



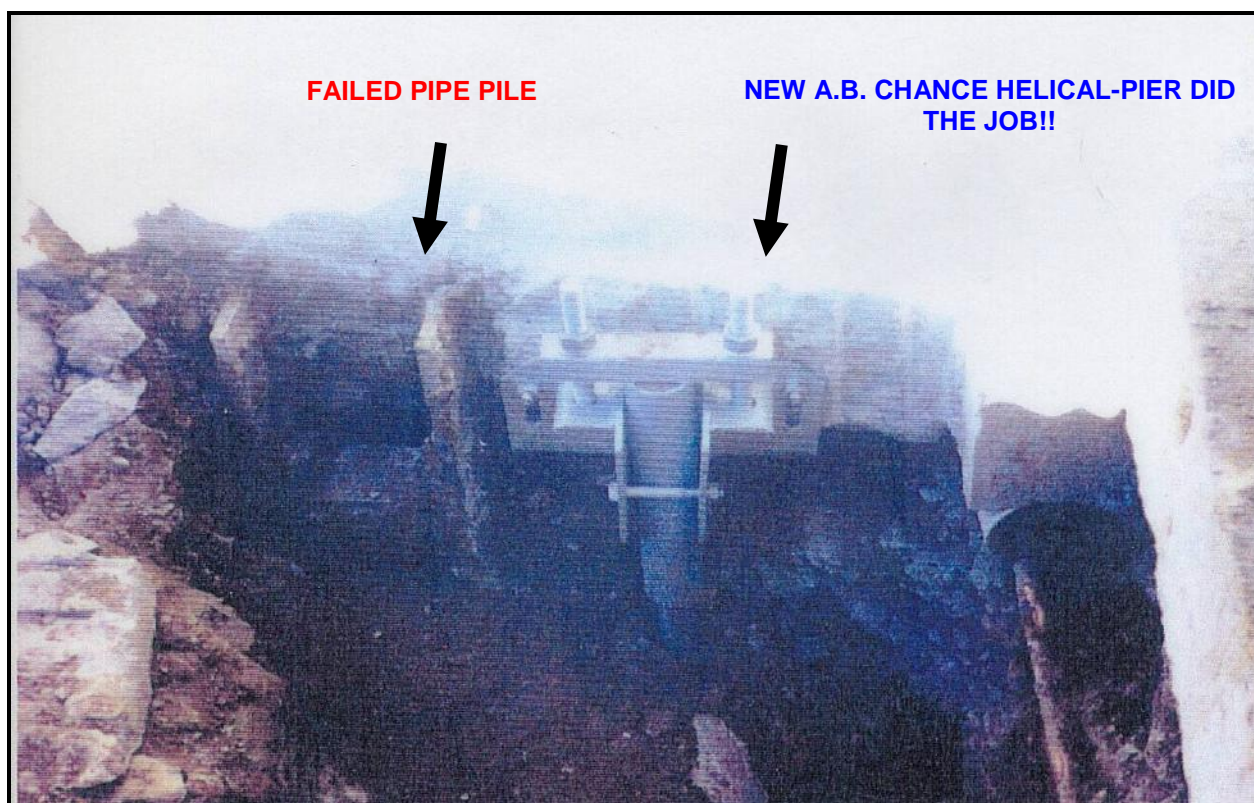
## FAILED PIPE PILES





Chance underpinning dealer, Sammy Irvin of Caisson Drilling (St. George, UT) knows first hand how superior Chance Helical-Piers are to pipe piles.

SS175 Helical Anchors Were Installed Through The Rock Layer That Stopped The Pipe Piles.



Chance Underpinning Bracket Is Now Supporting The Foundation.  
Failed Pipe Pile Is To The Left.

***THE BUILDING WAS LIFTED  
1½ INCHES - BACK TO LEVEL***





The stem & footing (never visible before excavation) crack below the surface turns a single foundation into two separate foundations.



Using angle-iron and super strong grout to re-enforce an area where there are no footings or stem to speak of.





# **“THE HOMEOWNER’S MANUAL”**

## **UNBIASED ARTICLE ON FOUNDATION ‘FIXES’**

### **DIFFERENT METHOD COMPARISONS**

**PUBLISHER: National Reality Marketing: Feb. 2000**  
**Section: Structural Soundness Issue: AZ, Page 22**

The possibility of foundation failure in Arizona is something that everyone buying, selling, or occupying a home should consider. Foundation problems are commonplace, largely because soil conditions upon which residential and commercial buildings are constructed tend to be very unstable. Foundations are only as strong as the soil properties they are placed on. These soils are made up of thousands of years of sediments consist mainly of silts, clays and some granular soils. Also, Arizona has several large irrigated agricultural areas that have been turned into beautiful neighborhoods, most of which display evidence of foundation movement.

#### **DO I HAVE A FOUNDATION PROBLEM?**

The following check list of symptoms should help you identify serious foundation movement: (1) Inspect for cracks in brickwork/stem walls/footings. Look for previous patching. Look for separation between door, windows and brickwork. Also, check to see if chimneys or porches are moving away from the house or structure. (2) Look for cracks in interior wall of ceiling finishes and/or tearing of wallpaper, floor coverings, etc. (3) Check to see if windows or doors bind or stick or appear to be out of square. (4) Re-occurring leaks in ceilings, around chimneys, or increases in water bills.

**If it is apparent that foundation failure has occurred, you should be aware that there are many different methods of repair available. They range greatly in cost, longevity, predictability and warranty.**

**These methods are:**

**(a)Concrete Underpinning:** Shallow concrete pads placed less than 3 feet under existing foundation are used for additional support when settlement occurs. This method is costly, time consuming and offer only short lived stability as concrete pads are still bearing on unstable soils.

**(b)Mud Jacking:** The injection of grout under higher pressure to raise slabs or foundations. Most commonly used to fill voids beneath slabs or leveling driveways, etc. Mud Jacking is moderately priced, however, it offers no stabilization value. The grout is bearing on top of the failed soils. It has no longevity. Also, it is crucial to understand that you are adding moisture to unstable soil in addition to a considerable amount of weight. In addition, in porous soils, the grouter can not control the flow of grout sometimes resulting in grout filled sewer systems, etc.

**(c)Drilled Concrete Piers:** The boring of shafts to a depth of 9 to 12 feet, then filling them with concrete, used to offer additional support when settlement occurs, or to raise

and level structures. Generally heavy external site disturbance with equipment and excavation and spoils removal. It is time consuming and unpredictable. Failure is possible if bearing on clays. It can actually be pushed up if placed in expansive soils. There are no guarantees and it is expensive.

**(d)Driven Steel Piers, Ram jacking:** The hydraulic advancement of steel sections of low-grade tubing, to rock or permanent bearing strata, used primarily to offer additional support when settlement occurs as well as to raise and level structures. Minimal site disturbance. This product is sold as inexpensive however; it is usually billed by the foot, which runs the cost up. With this hydraulic advancement system, no controls are given for tubing deflection, buckling or carry. It is leveraged by the building it is lifting (*uses the buildings weight to push down pipes*) and offers no safety factors for lifting and maintaining compressive loads. It relies mainly on skin friction to support the structure. It offers longevity with no warranty to performance

**(e)A.B. Chance Helical-Piers:** Helical piers are a slow-rotated, steel pier with various sized pitched plates that are installed below the existing foundation with minimal excavation, no spoils removal. Piers are constructed of high-strength 80ksi steel, connected with forged couplers as piers are advanced into a solid-bearing strata several feet below the active soil zones. Piers are installed using a pre-engineered, torque vs. capacity process that insures solid bearing for the compressive load demands of structure before structure weight is transferred to the installed piers. Special haunch brackets are attached to the existing foundation.

These piers are end bearing piers, meaning that all weight is transferred to the end of the pier, deep in stable bearing strata, and is not reliant on skin friction of the pier for support. This process is quick, cost effective, has minimal site disturbance and is a permanently guaranteed method for foundation repair. This system is the only system with ICBO (UBC) acceptance (ER-5110).

These piers can also secure retaining walls, basement walls or other earth retention issues. They can be used in new construction as well as for remedial repairs. \*

If you feel you may have a foundation problem or know someone who does, or if you are planning to build a home and would like to secure yourself against these types of failures, call a professional for a consultation, survey and estimate.

\*Blue print color added by AHPC to emphasize the section on Helical-Piers. FREE NATIONAL DISTRIBUTION (WITH STATE EDITIONS) TO REAL ESTATE PROFESSIONALS, HOME BUYERS, AND SELLERS.



# ARIZONA HELICAL-PIERS, L.L.C.

COMMERCIAL / RESIDENTIAL FOUNDATION & TIEBACK SPECIALIST

Certified A.B. Chance \* ICC ESR-2794

Insured & Bonded

ROC #228001 K-05 Dual

## References

### CONTRACTORS:

#### Kullberg Pressure Grouting, Inc.

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Cave Creek, AZ 85331  
480-515-1755

#### Restoration Services

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602-867-7771

#### Del Webb Sun Cities

Anh V. Nguyen, Proj. Mgr.  
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Sun City West, AZ 85375  
623-546-5069

#### hardison/downey construction inc.

Greg Wosaba, Constr. Director  
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Phoenix, Arizona 85016  
602-861-0044

#### Porter Brothers Construction, Inc.

Gary Porter  
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Tempe, AZ 85282  
480-897-8200

#### Beauchamp Engineering, Inc.

Fred Sobotka, P.E.  
7201 Dreamy Draw Dr. Ste.100  
Phoenix, AZ 85020  
602-943-1895

#### Copper State Engineering, Inc.

Dave Deatherage, P.E.  
16621 North 91st Str. #104  
Scottsdale, AZ 85260  
480-368-1551

#### Bingham Engr. Consultants, Inc.

Dan Bingham, P.E.  
13416 North 32nd Str. #109  
Phoenix, AZ 85032  
602-971-3033

#### Peter Noll, S.E.

8560 E. Camelback Road  
Scottsdale, AZ. 85251  
480-241-8191

#### Copeland, Glen P.E.

P.O Box # 12289  
Prescott, AZ 86304  
928-445-6903

#### Thomas, Tom P.E.

2105 South Hardy Drive # 13  
Tempe, AZ 85282  
480-921-8100

#### Slaysman Engineering, Mel

1430 North 5<sup>th</sup> Street  
Phoenix, AZ 85004  
602-280-7777

# ARIZONA HELICAL-PIERS, L.L.C.

COMMERCIAL / RESIDENTIAL FOUNDATION & TIEBACK SPECIALIST

Certified A.B. Chance \* ICC ESR-2794

Insured & Bonded

ROC #228001 K-05 Dual

## Licenses / Bonds / Insurance / Certifications / Banking

**Bonding:**

**Southwest Bonding**

13041 N 35<sup>th</sup> Ave #C10  
Phoenix, AZ 85029  
602-375-5357

**Insurance:**

**The Arizona Group**

Paul Davis  
3325 E. Baseline Rd.  
Gilbert, AZ 85234  
480-892-8755  
(Certificates Upon Request)

**Banking:**

**Bank of America**

Phoenix, AZ

**Certifications:**

**A.B. Chance Co.**

(Div. of Hubbel, Inc.)  
ICC ESR-2794  
SPEC.DATA Program

**Contractor's Licenses:** **State of Arizona**

ROC #228001 K-05 Dual

**Memberships:** \* **BBB; Better Business Bureau**

\* **SEAOA; Structural Engineers Association of Arizona**

\* **ACEC; American Council of Engineering Companies of Arizona**

**Charities:** \* **MAM; Military Assistance Mission**

\* **Marine Toys; Toys for Tots Foundation**



**Member  
Central/Northern  
Arizona**



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## *SAMPLE WARRANTY*

The work to be performed by **ARIZONA HELICAL-PIERS, L.L.C.** under this transferable agreement is guaranteed for a **LIFETIME** against failure, and all defects in material and workmanship. If any significant movement occurs at the location of the new CHANCE steel pier(s) other than movement caused by collapsed void beneath the foundation, earthquake, severe wind, flood, extreme change in the water table, other Acts of God, or any man-made conditions, **ARIZONA HELICAL-PIERS L.L.C.** will, at no cost or expense to Owner, correct any defect in workmanship or material that may have occurred in order to stabilize such area.

THE FORGOING IS THE SOLE WARRANTY OF **ARIZONA HELICAL-PIERS L.L.C.** ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTY OR MERCHANTABILITY AND WARRANTY OF FITNESS FOR PURPOSE ARE EXCLUDED.

The exclusive remedy shall be for correction of any defect in workmanship and material as set forth above. In no event shall Owner be entitled to consequential damages regardless of whether the claim is based on warranty, contract, tort, or otherwise. In no event shall any recovery ever exceed the contract amount and is warranted only for the specific project, pier location(s) and person(s) or entity contracted to.

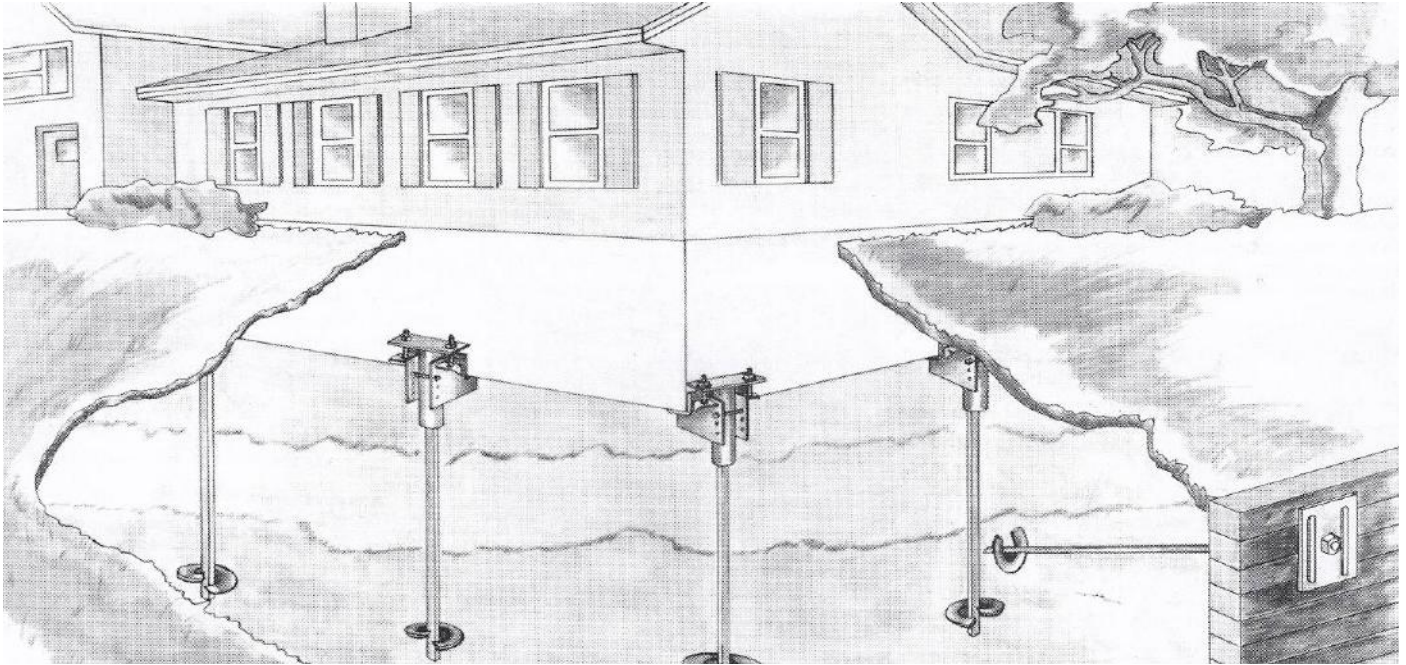
**ARIZONA HELICAL-PIERS L.L.C.** nor any sales representative of **ARIZONA HELICAL-PIERS L.L.C.** is an agent of the A.B. CHANCE COMPANY (CENTRALIA, MO). **ARIZONA HELICAL-PIERS L.L.C.** is an independent contractor and is solely responsible for this contract and for any representations made by it or its agents or employees.



# FOUNDATION PROBLEMS?

Call 480-854-7661

## ARIZONA HELICAL-PIERS, L.L.C.

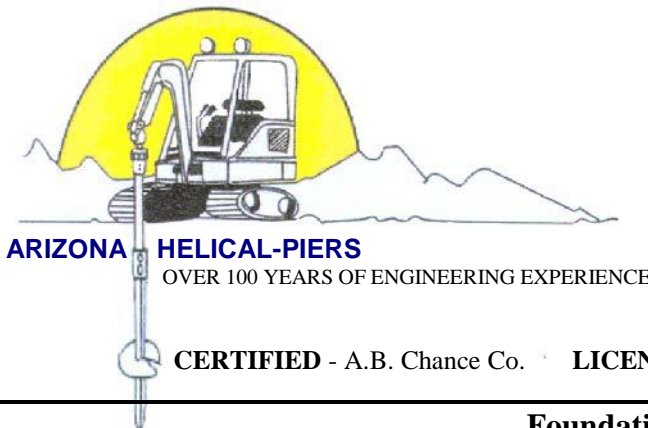


### Immediate Benefits:

- \*\*Predictable** results
- \*\*Lower** installation cost
- \*\*One trip** convenience, no site preparation & no concrete required in many cases
- \*\*Holds** design loads in specific soils
- \*\*Installs** in limited-access situations
- \*\*Clean** no excavation spoils removal

### Proven For:

- \*\*Raising** existing structures
- \*\*Underpinning** & stabilization of existing structures
- \*\*Seismic** applications
- \*\*New construction**
- \*\*Tie-back**, retaining walls
- \*\*Roadways**, docks, bridges, walls, shoring, soil nails & anchoring



**CERTIFIED** - A.B. Chance Co.   **LICENSED** - commercial / residential   **ICC ESR-2794**

**Foundation problem?**

**CONTACT AHPC for a free evaluation / estimate.**

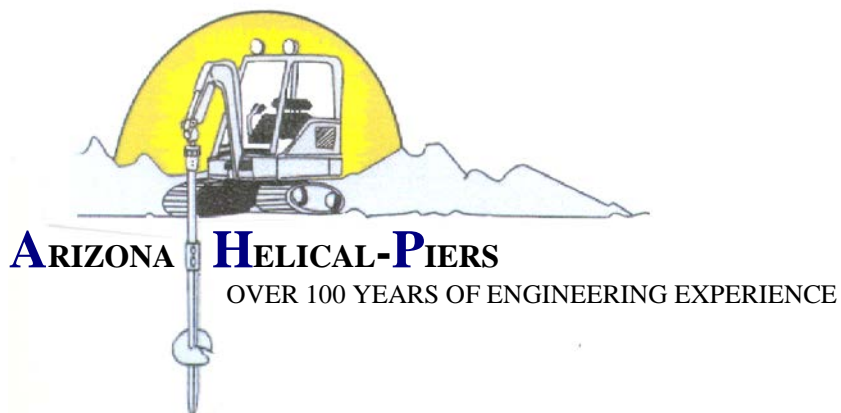
**480-854-7661 or 800-511-5216**

**Email: [info@ArizonaHelicalPiers.com](mailto:info@ArizonaHelicalPiers.com) / Website: [www.ArizonaHelicalPiers.com](http://www.ArizonaHelicalPiers.com)**





Remedial underpinning installation



**Arizona Helical-Piers, L.L.C**  
 28248 N. Tatum Blvd., Suite B1-476  
 Cave Creek, Arizona 85331  
 480-854-7661 / 800-511-5216

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This Arizona Corporation is certified through the A.B. Chance / Hubbell Company  
 This Arizona Corporation is licensed, bonded and insured for commercial and residential applications.

ROC #228001 K-05 Dual  
 ICC ESR-2794, SPEC-DATA, ISO-9001 Certified  
 Member of Better Business Bureau

