

CASESTUDY

JAN 2024

10 HELICAL PILES STABILIZE
SETTLING 99 YEAR OLD
PHOENIX, AZ HOME



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NEVERSETTLE



CENTURY OLD PHOENIX, AZ RAISED HOME THAT SETTLED 2.5 INCHES WAS STABILIZED WITH HELICAL PILES

PROJECT BACKGROUND

A Phoenix, AZ homeowner called the Dalinghaus Construction team after being tired of the cracks that had been appearing on her drywall and exterior brick over the last couple of years. She had been in the home for several decades, but recently the cracks were getting worse, several of her windows were stuck closed, and the flooring in several areas of her home felt like they were sloping.

PROJECT DESIGN PHASE

During the evaluation our Project Design Specialist, Thomas, noticed many of the common signs or symptoms of a settling foundation. Using his ZipLevel altimeter he measured close to 2.5 inches of settlement in several areas of the 2300 sq/ft single story home. While in the crawlspace it was like a blast from the past with original wood still supporting the home and the wood 2x4's and 4x6's actually being dimensionally accurate. After his evaluation he began designing a repair plan that would consist of 10 helical piles and quite a bit of crawlspace repair work to stabilize and attempt lift the home's foundation to recover some of that settlement.

DALINGHAUS SOLUTION

Brian and his crew were able to make quick work of the project after excavating soils to expose a relatively shallow concrete footing. They drove the 10 helicals to an average depth of about 10' to find competent, load-bearing soils that would be able to support the home for generations to come. After lifting the home several girder beams along with posts/pads had to be replaced to properly level and support the home's flooring.

INSTALLATION OVERVIEW

TOTAL HELICALS

10

HELICAL PRODUCT

TAF-288

PRODUCT MANUFACTURER

ECP



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