

CASE STUDY

JUNE 2023

17 HELICAL PILES USED TO STABILIZE AND LIFT LA HABRA HOME THAT SANK 10 INCHES!



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NEVERSETTLE



HELICAL PILES STABILIZE SETTLING HOME IN LA HABRA THAT MEASURED OVER 10 INCHES OF SETTLEMENT

PROJECT BACKGROUND

A La Habra, CA homeowner called our team after dealing with sloping floors and cracks in their home for years. They were also getting ready to complete a remodel on the home and wanted to be sure the home's foundation wasn't moving. The sloping floors could be felt throughout the home, but it was especially apparent in the south-eastern most part of the home where our project design specialist, Mark Cook, measured 10 inches of settlement.

PROJECT DESIGN PHASE

During his inspection Mark measured varying amounts of settlement along the back and down one side of the home. He knew that only a portion of the home's foundation needed to be addressed, so he started designing his repair plan with that in mind. Based on his measurements 17 helical piles would accomplish the goal of stabilizing and lifting the areas that had settled. Polyurethane injections for void fill was also included in the repair plan to properly support the slab after the lift was completed.

DALINGHAUS SOLUTION

With limited access around the home the crew excavated pier locations, prepped footings, and began installing helical piles with hand equipment. The first pile found competent, load-bearing soils at almost 30 feet and it was pretty consistent for the remaining helical piles. After all of the piles were installed the crew cut and capped each pile and secured them to the home's footing. They were then able to lift the home and recover about 8 inches of the settlement.

INSTALLATION OVERVIEW

TOTAL HELICALS

17

HELICAL PRODUCT

TAF-288

PRODUCT MANUFACTURER

EARTH CONTACT PRODUCTS (ECP)



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