



CASE STUDIES

DRIVEN PILES REMEDY
FOUNDATION FAILURE
WITH RAM JACK HELICAL PILES

7

DEEP-DRIVEN
STEEL PILES
INSTALLED

RESIDENTIAL

RAM JACK WEST

www.ramjackwest.com | 866-472-6522

Seattle, Washington

RAM JACK DRIVEN PILES TO THE RESCUE

INSTALLATION OVERVIEW

Total Number of Piles
7

Product Used
2 7/8" Driven Piles

Product Type
Remedial - Driven

Typical Applications
Ram Jack's 2 7/8" diameter driven steel pilings are slip jointed allowing for a smooth and homogenous pile.



Washington is known for being a breathtaking city surrounded by mountains, water, and evergreen forests, with a population of over 704,000 residents. Though however beautiful the landscape may be, that can't overshadow the dismay of a homeowner whose home is experiencing foundation failure.

PROBLEM

The homeowner knew there was something awry when they began noticing signs of settlement where the foundation of the home met the front porch of the structure. After being contacted by the homeowner, Ram Jack West sent an expert to the home for a detailed evaluation. Upon evaluation, it was evident that the home was, in fact, experiencing foundation failure. The home had settled 2 3/4 in., causing concern since the second story of the home was being supported by the failing foundation.

PROPOSED SOLUTION

The Ram Jack West foundation specialist understood the stress the homeowners were experiencing, but they also understand exactly what the home needed to get it back into shape. The foundation specialist recommended that seven (7) Ram Jack 2 7/8 in. diameter driven piles be installed in the affected area to lift and stabilize the home from future downward movement.

OUTCOME

To ensure customer satisfaction, the seven Ram Jack piles were installed in the crawlspace of the home. The Ram Jack West professionals were able to successfully install the piles, with the addition of 35 ft. of angle iron and 15 ft. of steel channel to ensure the stability of the home. After the home was lifted 1 in. to reach maximum practical recovery, the City of Seattle Department of Construction and Inspections required the driven pile system be load tested. Testing was monitored and completed by Redmond Geotechnical Services. The homeowners had peace of mind to know that the load testing passed, meeting perfect load requirements.

DON'T DO IT TWICE.™
DO IT RIGHT.

