



**RAM JACK**<sup>®</sup>

# 2016 CASE STUDY

Type: Residential | Issue: OR201601



**Settled Home  
Strategically Raised  
to Full Recovery**

**RAM JACK LOCATION:**

**Ram Jack West**

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Eugene, OR



# CASE STUDY 2016

## RAM JACK WEST

EUGENE, OR  
866-472-6522  
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Installation of helical piles to support settled foundation

## SUPPORTING A SETTLED FOUNDATION

### INSTALLATION OVERVIEW

**Total # of Piles:** • 13

**Products Used:** • #4370 2 7/8" dia.  
Helical Pile

**Product Type:** • Remedial helical

**Typical Applications:** • Ram Jack's 2 7/8" dia. helical lead sections can be used in either tension or compression due to its unique internal threaded connection. Piles can be loaded same day as they are installed.



A homeowner in Eugene, Oregon, noticed warning signs of foundation failure. Instead of waiting and letting the problem grow worse over time, he contacted Ram Jack West in order to resolve the issues.

### PROBLEM

The homeowner started to notice warning signs of foundation failure around the home. The floors started to slant. Cracks formed in the exterior of the foundation of the northeast corner of the home.

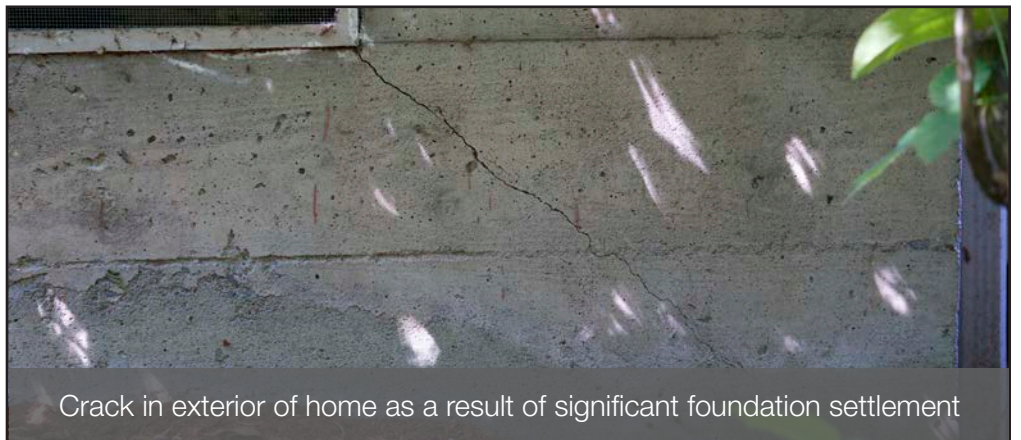
### PROPOSED SOLUTION

Working with Regal Mortier, a local engineering firm, and after careful consideration, Ram Jack proposed installing 13 helical piles on the exterior perimeter of the home. The piles would be strategically placed on the north, west, and east sides of the home for the best chance of achieving maximum recovery.



### OUTCOME

During the installation Ram Jack needed to remove part of the deck in the homeowner's backyard to get access for pile installation. At the front of the house Ram Jack had to break and haul approximately a half yard of concrete to access the pile location. The 13 piles were installed successfully. The house was raised 3/4 in. to achieve a complete recovery. The job took 10 work days to complete. The homeowners were happy with the outcome of the job.



Crack in exterior of home as a result of significant foundation settlement



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