



**RAMJACK**

# CASE STUDY



## **Void in Soil Causes Severe Foundation Settlement**

**Twelve piles stabilize failing foundation**

**RESIDENTIAL**

**RAM JACK SOUTH CAROLINA**

[www.ramjackse.com](http://www.ramjackse.com) | 866-735-3085

Ridgeway, South Carolina

SC201601



## INSTALLATION OVERVIEW

**Total Number of Piles**  
12

**Products Used**  
#4021

**Product Type**  
Remedial - Driven Pile

**Typical Applications**  
Underpinning grade beams and footings of existing structures with Ram Jack's 2 7/8" diameter driven pile system



### RAM JACK SOUTH CAROLINA

Ridgeway, SC  
866-735-3085  
[ramjackse.com](http://ramjackse.com)

## HOME SECURED AFTER SINKING FOUNDATION CAUSES TROUBLE

CRAWLSPACE FOUNDATION STABILIZATION  
MCCOLL, SOUTH CAROLINA

Home inspections for one issue may often reveal other, hidden, problems. The owner of this beautiful home in McColl, South Carolina learned of foundation settlement during a termite inspection in the crawlspace.

### PROBLEM

While performing an inspection of the home in the crawlspace, the pest control technician noticed cracks in the foundation of the home.

### PROPOSED SOLUTION

Ram Jack South Carolina initially proposed installing seven (7) driven piles and two (2) helical piles along the perimeter of the west side of the

home and one (1) helical pile on the interior to stabilize and support the cracking foundation.

### OUTCOME

During installation, Ram Jack discovered a void in the soil which was causing the house to sink significantly. Ram Jack installed two (2) more helical piles on the backside of the porch. While there, the severely damaged footing was reinforced with continuous lengths of angle iron to support it on the west side of the home further. The residence was lifted six (6) in. for maximum practical recovery.



[View more case studies like this at www.ramjack.com/CaseStudies](http://www.ramjack.com/CaseStudies)