

A CASE HISTORY

Project:
One-story brick house,
Richmond, Virginia

Contractor:
Stable Foundations, Inc.
Ashland, Virginia

Job Description:

A 17-year-old house had settled approximately $\frac{7}{8}$ inch at a front corner. This settlement resulted in a $\frac{5}{8}$ inch horizontal crack along a 4-ft. section of the front and a 3-ft. section of the side.

A 2x3-ft. hole was dug at three pier locations. Two 10-inch diameter Helical Pier[®] Foundation Systems screw anchors were installed on the front and one on the side. Each anchor was installed to an 18-ft. depth with 2,500 ft.-lb. of torque for a load capacity of 25,000 lb. A foundation bracket was connected to each anchor and the footer.

The three anchors were loaded gradually to 14,000 lb. by simultaneously using three 10-ton Enerpac hydraulic jacks. This closed the $\frac{5}{8}$ inch crack to only $\frac{1}{16}$ inch and new mortar was installed.

This job required nine hours.

BEFORE



AFTER

