



2015 CASE STUDY

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Helical Piles
Provide Maximum
Practical Recovery
to Two Homes in a
Neighborhood
Restoration Project

RAM JACK LOCATION:

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NEIGHBORHOOD RESTORATION

ALABAMA RAM JACK

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The Woodlawn Homes, a collection of historic houses on a Birmingham, Alabama cul-de-sac, don't immediately appear habitable, but that won't last. A restoration company has made it a goal to restore the homes to their original appearance and integrity. Even in their dilapidated state, it's not hard to picture their eventual beauty once the restoration is complete.

Situation

Two of the Woodland homes undergoing restoration had severe foundation problems, evidenced by the settlement of their columns and front porches. An engineering firm proposed to repair the structures' foundations with steel helical piles. The vintage columns were composed of mortared stone, making them particularly vulnerable to failure when lifting.

Proposed Solution

Alabama Ram Jack proposed installing helical piles to lift the falling foundations as

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much as practical for the structures. This would not only provide a more pleasing appearance for the homes, but it would also ensure their structural stability as the restoration process continues.

Outcome

Alabama Ram Jack installed seven helical piles at the two properties, lifting the structures an average of 2 in. for maximum practical recovery. This created level front porches as well as straightening the sagging support columns. Alabama Ram Jack finished the job without any issues, much to the satisfaction of the restoration company.

*Restoration
of neighborhood
begins with
the homes' foundations*



BEFORE: Porch and column settlement



AFTER: Two-inch lift for maximum practical recovery