



# TAR HEEL PIERING SYSTEMS, LLC

www.tarheelpiering.com

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Project: Testa Companies, Youngstown, Ohio -- Structural Support for new construction.

Contractor: Tar Heel Piering Systems, LLC.

Classification: Residential

Project Date: March 11th- 14th

Total Piers Used: 79 8-10-12 Helical Piers, Ranging from 7' to 21', in depth.

Total Installation Time: 30 hrs, 4 days.

A large residential/commercial Builder/Developer , Testa Companies from Akron Ohio, ran into some bad soils on a project they were working on. Testa Companies is working on a low income area to revitalize the economic growth. They took an old unused ball field in Youngstown Oh. and are putting in approximately 29 affordable houses for the people in the community. Test pits and borings were done by a local soil engineer and found a bad area of fill that would need some sort of remediation before Testa could build. The engineer suggested the use of Helical Piers. Testa Companies contacted Tar Heel Piering Systems to review the plans and the site and within days Testa had decided that Tar Heel Piering and Fasteel was the best way to support the 3 houses and 3 garages. A structural engineer designed a grade beam and the helical pier locations using Fasteels 8,000 ft lb, 8-10-12 helical's. The installation was all done using a PC-40 Komatsu mini-excavator with a 6500 ft/lb drive pengo head.

The site conditions were very wet and muddy due to large amounts of snow that had fallen just a few days prior to installation. Tar Heel Piering had to install the helicals prior to digging the slab footers, this would make it much harder on the excavator. It took the coordination of Testa Companies, Tar Heel Piering Systems, and Spano Excavation, to make the project run smoothly. 79 piers were installed to support the 6 structures and the slab floors within each unit. Helical Piering was not only the best but quit possibly the only solution to the support problem that Testa Companies ran in to. Very little time was lost using Tar Heel Piering and the Fasteel system, and the structural support was no longer an issue.

