Structural Systems Repair Group (SSRG) Installs (12) Helical Piles for Historic Building Renovations in Cincinnati

Fall 2019

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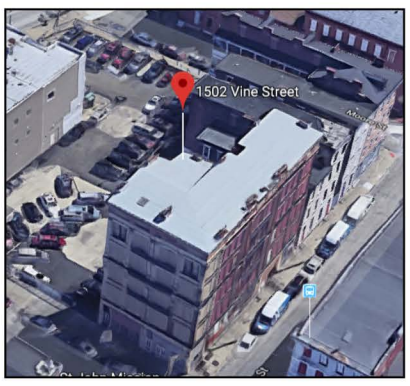

Project Name & Location:	Meiner's Corner - Cincinnati, OH
Project Date:	Fall, 2019
Project Type:	Helical Pile Deep Foundation System
Helical Pile Installation Contractor: **Structural Engineer:** **General Contractor:**	**Structural Systems Repair Group**, Cincinnati, OH **GEI Consultants,** Cincinnati, OH - www.geiconsultants.com **Triversity Construction, Cincinnati, OH** - https://www.trivc.com/
Helical Pile Specifications:	(12) 2.875'' O.D. Round Shaft Helical Piles with 10',12",14"' Helix Bearing Plates; 40 Ton Ultimate Compression Capacity; All Galvanized
Soils & Embedment Depth:	Clay & Sand with Poor Bearing Capacity. Average Pile Embedment 50 ft.
Project Timeline:	(2) Days
Helical Pile Manufacturer:	**IDEAL Foundation Systems** - Webster, NY

Project Overview

.Structural Systems Repair Group (SSRG), with headquarters in Cincinnati, OH, was contracted by Triversity Construction, to install additional (12) helical piles as a deep foundation system for building renovations at the Meiner's Corner buildings project in the historic Over The Rhine (OTR) district of Cincinnati. SSRG installed (22) helical piles to support new elevator pits for these buildings earlier this year.

The major challenge involved in installation of helical piles at this location was poorly graded bearing soils. SSRG installed these piles in 7 ft. sections to achieve the required 40-ton ultimate capacity at an average depth of 50 ft. Helical piles were considered the ideal solution for renovation of these buildings due to poor bearing strata underneath and low overhead clearance for equipment access