



Structural Systems Repair Group (SSRG) Installs (14) Helical Piles for OTR Community Housing Deep Foundation Project in Cincinnati

Winter 2020



Structural Systems Repair Group
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Project Name & Location:	Community Housing in Over the Rhine District- Cincinnati, OH
Project Date:	Winter 2020
Project Type:	Helical Pile Deep Foundation System
Helical Pile Installation Contractor:	Structural Systems Repair Group , Cincinnati, OH
Structural Engineer:	Advantage Group. , Cincinnati, OH - http://agengineers.com/index.html
General Contractor:	Triversity Construction , Cincinnati, OH - https://www.trivc.com/
Helical Pile Specifications:	(14) 2.875" O.D. Round Shaft Helical Piles with 10', 12", 14" Helix Bearing Plates; 20 Ton Ultimate Compression Capacity; All Galvanized
Soils & Embedment Depth:	Soft Clay with Gravel Pockets. Average Pile Embedment 49 ft.
Project Timeline:	(2) Days
Helical Pile Manufacturer:	Helical Anchors, Inc - Minneapolis, MN

Project Overview

Structural Systems Repair Group (SSRG), with headquarters in Cincinnati, OH, was contracted by Triversity Construction Group, to install 14 helical piles as a deep foundation system for an addition to the Service Center in the OTR Community Housing building.

The major challenges involved in installation of helical piles at this site were the poor soil conditions for bearing of piles, the average embedment depth of piles extended to 49 ft. SSRG installed these piles in 7 ft. and 10 ft. sections to achieve the required 20 ton capacity for the building addition.

