

# SSRG Installs (16) Helical Piles in Restricted Working Space for Foundation Augmentation of Rumpke Waste & Recycling Facility in Dayton Ohio

Fall, 2016



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Project Name & Location:	Rumpke Waste & Recyding Plant - Dayton, OH
Project Date:	Fall, 2016
Project Type:	Foundation Augmentation
Helical Pile Installation Contractor:	SSRG - <a href="http://www.ssrq.com">www.ssrq.com</a>
Structural Engineers:	Shell & Meyer Associates - <a href="http://www.shellandmeyer.com">www.shellandmeyer.com</a>
Helical Pile Specifications:	(16) 2.875" .276" Wall Round Shaft Helical Piles with 8-10-12 x .50" Thick Helix Bearing Plates; (45) KIP Working Load Capacity; Galvanized
Soils & Embedment Depth:	Medium Stiff Clay; Average Pile Embedment 12 ft.
Project Timeline:	Busting Concrete, Pile & Bracket Installation - 10 days
Helical Pile Manufacturer:	IDEAL GROUP - Webster, NY

## Project Description

The Rumpke Waste & Recycling facility located in Dayton, OH needed additional space and equipment added to the existing steel frame structure, and this necessitated a substantial upgrade to the foundation to increase the load bearing capacity by (45) kips. Helical piles were specified for the project due to the very restricted working space, no vibration and no soil spoils. The SSRG crew installed (16) 2.875" O.D. x .276" wall piles that included 0.50" thick 8-10-12 inch helix bearing plates. The project required a substantial amount of concrete busting to prep the locations for the installation of the piles and the brackets. The project was successfully completed in ten days.

