Techno Metal Post Dealer Installs (31) Helical Piles for a New Residential Retaining Wall Project on a Difficult Site in Des Moines, Iowa

Summer, 2017



Techno Metal Post

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Project Name & Location:	Residential Retaining Wall - Des Moines, Iowa
Project Date:	Summer 2017
Project Type:	Residential Retaining Wall
Helical Pile Installation Contractor:	Techno Metal Post of Central Iowa
Helical Piles Specifications:	(16) Model P3 3.5" (88.9 mm) Round Shaft Piles with 10", 12" Helix Bearing Plates; (15) Model P5 5.563" (141.3 mm) Round Shaft Piles with 12" Helix Bearing Plates; Non-Galvanized
Soils & Installation Depths:	Black Dirt and Clay Over Shale at 14'; Average Installation Depth of 14 ft. (4.27 m)
Installation Timeline:	(1) Week
Helical Pile Manufacturer:	Techno Metal Post - Thetford Mines, QC Canada

Project Description

When the Techno Metal Post dealer in lowa, Corey DePenning, was approached by a customer for a retaining wall, he remembered seeing an original stained wood and steel retaining wall project carried out by another Techno Metal Post dealer near Toronto, Canada. He submitted the idea to the customer, and without further ado the design was accepted. Retaining walls of this type are more commonly seen in commercial projects, but helical piles can be used at any size scale, which makes a residential



retaining wall on helical piles an effective and durable solution. The wall, being 100' long and 6' to 10' tall, depending on the section, turned out to be a challenge because of the time frame allotted for this job and the difficult area to work in, but very well worth it seeing the great looking end results.











