



Helical Anchors Inc. Installer EMIN Sistemas Geotecnicos Installs (33) Helical Piles to Support a Swimming Pool in Chile

June, 2021



Helical Anchors, Inc.
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Project Name & Location:	Concón, Región de Valparaíso, Chile
Project Date:	June 8-11, 2021
Project Type:	New Construction. Helical piles to support a swimming pool foundation on a residential apartment complex.
Helical Pile Installation Contractor:	EMIN Sistemas Geotécnicos S.A-
Helical Piles Specifications:	(33) Helical piles model type RS2875, with two and three hélices configuration.
Soils & Embedment Depth:	Sand, Fine Sands, average pile embedment approx 4.2m to 6.3m
Project Timeline:	(4) Days
Helical Pile Manufacturer:	Helical Anchors, Inc. - Minneapolis, MN

Key Benefits:

Installation speed and use of small equipment: The application of helical piles allowed for a quick installation compared to the traditional solution proposed, which corresponded to concrete piles with a diameter of 25 cm. The traditional solution contemplated an execution time of about 4 weeks, while the installation of helical piles only took 4 days to complete. The helical piles were installed through the use of a backhoe which gave the installer maneuverability to work some tight spaces due to adjacent structures..



Material and Labor Saving:

The use of helical piles allowed the design engineer to optimize the final design allowing total reduction to 33 helical piles, while the original solution required three times more piles. One crew/machine was able to install all 33 piles, providing significant savings to the customer.



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