

Case History for Helical Piers – Residential Foundations

Garden of the Gods - Colorado Springs, CO



Park Range Construction was awarded the contract to install 105 helical piers for new residential foundations for Garden of the Gods subdivision.

The scope of work included: Installation of Magnum MH325BR Helical Piles to a maximum of 50 Ton ultimate capacity with a 10" helice plate and new construction pier caps welded to shaft. Piers were installed through hard lenses to an average depth of 50 lf depth. A digital torque monitoring device was used to confirm the pressure to torque ratio produced by our power heads.



PROJECT SUMMARY

General Contractor:	Park Range Construction, Inc.
Engineer:	Magnum Geo Solutions
Product Installed:	Magnum MH325BR Helical Piles
Average Depth:	50 lf
Working Load:	25 Ton Maximum
Factor of Safety:	2 – Installation to 50 Ton Max



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