

GULF COAST MEDICAL CENTER EXPANSION

PROJECT DESCRIPTION:

Project Name:

Gulf Coast Medical Center Expansion

Location:

Panama City, Florida

Project Type:

Helical Piles

Installer:

Hygema Foundation Repair & House Movers

Design Engineer:

Magnum Geo Solutions

General Contractor:

JE Dunn Construction

Description:

As part of the Gulf Coast Medical Center Expansion, new utility lines had to be installed 3ft to 9ft below existing grade. These lines were designed to run near and under existing buildings. Hygema was called to design a shoring system that not only created safe trenches to work in and run the utility lines, but also to keep the nearby structures supported and the foundations from undermining. Magnum Geo Solutions designed a complete shoring system utilizing Magnum helical piles, Magnum underpinning brackets and steel c-channel lagging. The buildings were underpinned using Magnum MH325BNG helical piles and MP1002-3P angle underpinning brackets. The soldier piling consisted of Magnum MH325BNG helical piles to 18ft deep. Steel C-channels were used as the lagging material and welded to the soldier piles. Magnum MH150BNG helical piles were installed through the lagging as tie-back anchors. These were installed on the top and bottom of the wall attached to (2) C6x10.5 walers tying back the wall. The excavations were completed in 2ft lifts until final elevation was achieved. Hygema Foundation Repair successfully completed the project ahead of schedule and under budget in 6 weeks. Gulf Coast Medical Center and JE Dunn Construction were extremely happy with the work.



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