

KENNEDY SPACE CENTER

HELICAL PILES

PROJECT DESCRIPTION:

Project Date: December 2008

Project Name: Kennedy Space Center

Project Location: Cape Canaveral, FL

Magnum Installer: Brownie Geotech Solutions

Project Description: • Installed 30 Helical Piles for temporary support and tie down during construction phase of steel frame and girders for the Constellation Mobile Launcher for NASA.

• 26 Helical Piles were installed on different angles from 45 - 60 degrees and capable of resisting working tension loads up to 50 Kips.

• 4 Helical Piles were installed for compression loads of the new steel frame.

• All Helical Piles were pre-drilled through a layer of compacted limestone base that was approximately 15' deep with an average N value of 65.

• Performed a full scale tension load test to 200% of capacity and completed installation of Helical Piles in ten days.



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