



CHPP-Composite Helical Pipe Pile

300 ft. SST (Self Support Tower)

A 300 ft. Self Supporting Tower (SST) was installed in the English Turn area of New Orleans, LA.

An ultimate load of 160 KIP per pile of the three tower legs was required. Drilled shaft with concrete and driven piles were considered.

The Composite Helical Pipe Pile was selected as the best choice for this project. The drive to the site was 5 miles on a levee and logistics was a major consideration.

A total of 10 helical piles per leg (1,600 KIP total per tower leg) were installed to a depth of 80 feet and with an ultimate installing torque of 20,000 ft-lbs. All 30 piles were filled with concrete for increased strength.



Lightweight and maneuverable equipment installed the helical piles



Building Solid Foundations

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