

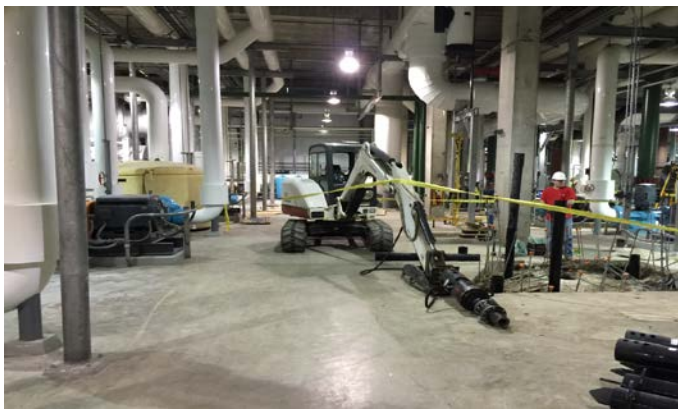
R
J
S
F

CASE STUDY

EnwaveUSA Thermal Plant New Orleans, LA

Installer: Ram Jack SE • Eunice, LA • 866.735.3085

Situation: In April of 2016, Ram Jack SE was contacted by L.S. Womack, Inc. to assist in the construction of four (4) new equipment slab foundations at the EnwaveUSA Thermal Plant in New Orleans, LA. The proposed scope of work called for the installation of thirty-one (31) New Construction helical piles to support the proposed equipment foundations. The required helical pile capacities ranged from 20kips to 42kips in compression and 2kips to 7kips laterally. In addition to the providing the required helical pile capacity, the work space was internal to the thermal plant which restricted the available work space and overhead clearance. Ram Jack SE worked with Fortified Engineering Solutions to propose a helical pile installation plan that would meet the project requirements.



Conclusion: Ram Jack SE started the helical pile installation on June 6, 2016 and completed the installation on June 16, 2016 less two (2) remaining helical piles. One utility conflict prevented the final two (2) helical piles from being installed until June 30, 2016. The average embedment depth to provide the required capacity was 50ft below grade. The thermal plant was able to stay operational throughout the installation.



Solution: Ram Jack SE proposed the installation of twenty-seven (27) 5.563" diameter shaft helical piles and eight (8) 3.5" diameter shaft helical piles. Due to the work space and overhead restrictions, Ram Jack SE installed the helical piles with a mini-excavator, skid steer and 20k drive head. Prior to the commencement of the installation, exploratory hydro-excavation was required in order to determine all the potential conflicts with existing utilities under the proposed equipment foundations.



STRENGTH and STABILITY

866.735.3085 • Toll Free

www.RAMJACKSE.com • Web