

COMMERCIAL CASE STUDY

Auger Cast Piles

Project: Elevated Pool Deck Project

Location: Clearwater, Florida

Date: March, 2016

Challenge:

A property owner on Clearwater Beach wanted to build a pool on an elevated pool structure to enjoy the beachfront view and avoid any potential storm surges that could arise from inclement weather. The property owner wished to replicate the elevated pool concept that was inspired by one of the surrounding property owner's structures. L.R.E., which was hired to install Auger Cast Piles, faced the difficult task of combating limited accessibility and constricted work space while installing a total of 21 piles.

Solution:

L.R.E. mobilized its Casagrande B175XP Auger Cast rig for this particular project. The Auger Cast piles were needed to provide support, withstand scour and endure coastal weather conditions. The B175XP rig proved to be instrumental in overcoming limited and tight access challenges. While the 16-inch, 35-38 foot piles were not a challenge for the rig, L.R.E. still utilized its *Jean Lutz* Data Acquisition system to provide quality assurance that the perfect pile was installed each time. The final outcome was 21 successful Auger Cast piles with data printouts of each pile and a clean worksite that allowed the general contractor to work on the next phase of the project.

Project Summary

General Contractor: Rivendell Building & Development

Engineer: Koly International, Inc.

Foundation Contractor: L.R.E. Ground Services, Inc.

Auger Cast Piles: 21 Auger Cast Piles installed to depths between 35 feet and 38 feet. Each pile was 16 inches in diameter and used pile protection tops and single #9 rebar.



Access was very limited and tight



L.R.E. installed 21 Auger Cast piles



The 21 piles will provide support for an elevated pool structure being built



Each pile was 35-38 feet deep and 16 inches in diameter

