Helical Piles Save Small Town High School

Cunningham, Kansas, a sleepy little town with a population of 462 people, reached out to IWP Foundation Repair to restore their local high school. While the high school student body may be small (73 students in total), their settlement issues were anything but. IWP is experienced tackling jobs all over the state of Kansas, so with the help of McCownGordon Construction, they were able to successfully install 34 helical piers to restore the school to its original elevation in just two weeks.

The crews faced multiple challenges during the two-week project. One such obstacle was the large footings, and properly benching the soil. To safely protect the team from cave ins, they excavated the sides of the trenches with a series of horizontal levels using a method called benching. Safety protocol dictates the bottom depth of the trench does not exceed 4 feet of the first bench. This was critical

Project Overview

Helical Contractor – IWP Foundation Repair

Installers – Jairo Gonzalez, Nick Bell, Brogan Flint, Solomon Dugan, Quinn Egbarts, & Trevor Alexander

Additional Contractor – McCownGordon Construction

Helical Screw Piles – Mfg. by Earth Contact Products

Products Installed – ECP Helical Piers

- TAF-350-60 12-12
- TAE-350-84Y23 14
- TAE-350-84
- TAB-350-NC
- TAB-350-LUB

Target Depth – 26 feet

Installation Torque – 8,000 ft-lb

in helping address the large footings, but not a complete solution. The team also relied on cutting the concrete and shoring the foundation with temporary support props. By utilizing all these tactics together, they were able to successfully restore the high school to its former glory.