



Key achievements

- Provided minimal impact and peace of mind to homeowners adjacent to construction zone by coordinating with the general contractor and local utilities.
- Successfully installed foundations in a challenging setting, including overhead power lines and limited access drilling requiring specialized equipment.

The project

Seaboard Foundations was called in to rebuild a 138kV Transmission line with an existing distribution under-build for AEP (American Electric Power).

The challenge

Work was completed in residential areas, along retaining ways, and directly adjacent to active public roadways. A fire resulted in loss of records, which made it almost impossible to locate existing and abandoned underground utility lines prior to construction.

The solution

Seaboard Foundations used a specialized, limited access drilled shaft and support equipment for drilling and placement of concrete for the foundations. Meticulous planning was required for removal of drilling spoils to prevent damage to existing retaining walls and residential property. To mitigate the potential for underground utility damage, utilities were located using pot-holing. Seaboard Foundations coordinated with the power line contractor to set poles between overhead lines which involved extensive traffic control, matting, and an ETD certified linemen on location during the operations.

Application

Deep Foundations

Technique

Drilled Shafts

Market

Power Industry

Owner

AEP

Main contractor

T&D Solutions

Engineer

Power Engineers

Keller business unit (s)

Seaboard Foundations