DANBRO DISTRIBUTORS
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DANBRO CASE HISTORY:
Future Repair of Retaining Wall and Outflow Brook
Hope & Mead Street
Stamford, CT

Conte Company, LLC

OBJECTIVE:

The mouth of a municipal drainage culvert emptied into a river adjacent to a residential complex. The erosion from the larger storm runoff had scoured the soil and undermined the retaining wall protecting the foundations of the residential complex. The City of Stamford was asked to address this issue and requested 26 helical piles be installed around the retaining wall footing. The design had yet to be completed, but the information from previous test piles had given them enough to place anchors as needed. The piles were placed throughout the riverbed and inside the residential complex.

CHANCE Helical Solutions:

The soil had been assumed to consist of heavy cobbles and dense sand. The SS225 was used to withstand the possible obstructions and heavy torques. Access would not allow any equipment for driven piles.

- # of Piles = 26
- SS225 with 8", 10" & 12"

Matt from Conte's Comments:

Terrain and tree obstructions required the use of a tight-turning radius excavator that could traverse the riverbed. Access had been made with a ramp into the river and all equipment was carried to location by the excavator bucket. All torque monitoring equipment was strapped to the back of the excavator to keep it mobile and out of the river water. The men used a small platform to float along the deep areas and add extensions during installation.

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