



PROJECT REPORT

Howland Hook Container Terminal
New York City, New York

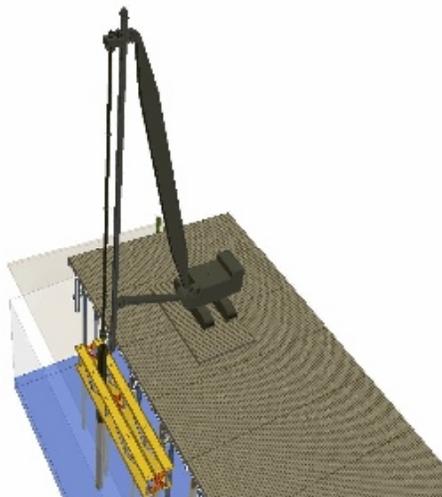
As part of the expansion of the Howland Hook Container Terminal in New York City, Granite Halmar Construction successfully completed pile driving operations thanks to Bermingham's unique wealth of foundation construction equipment and expertise.



Bermingham crane mounted leader system.

The contractor's original plan called for the piles to be driven with a Berminghammer B-5505 hammer through the riprap and boulders before being seated into the rock and drilled out with a hydraulic drill. This method caused too much stress for the specified pile and casing shoe designs, causing the bottoms of the piles to deform. Thanks to its wide range of construction equipment and expertise, Bermingham rapidly devised a new method of installing the piles using a down-the-hole hammer, allowing the use of the existing piles and casing shoes.

For this project, Bermingham provided 3-D modeling, capacity and stability calculations, construction sequencing, load testing and on site supervision. Bermingham also supplied Berminghammer impact hammers and VTL (vertical travel lead) systems, in addition to vibratory and reverse circulation drilling equipment.



Bermingham's 3-D project visualization (left) and the project during construction (right).



Phone: 1-905-528-7924

Toll Free: 1-800-668-9432

Web: www.berminghammer.com