



### Project Snapshot

- Combi Wall
- Rock Sockets
- Battered Piles
- Down-the-hole-hammer

### Project Background

The Port of Newark Container Terminal (PNCT) is a 259 acre New Jersey shipping terminal that handles over 600,000 containers per year. As part of a 30 year plan to double the number of annual containers, the port will be investing approximately \$500 Million dollars on large projects including the addition of cranes, the acquisition of additional land, deepening of the berths and strengthening the docks

### Project Description

Birmingham was contacted by EIC Associates in March of 2014 for the purpose of sourcing reverse circulation drilling equipment (part of the ports initiative to strengthen the docks). Working from a barge, the drilling system needed to be capable of drilling 100 feet deep inside an 18" Casing in vertical and battered configurations.

### Innovative Solutions

Louis Fritz (Sales Representative) and team, responded quickly designing a flying BL37 (37" Box Lead System) to compliment a BHD-40 Drill and down-the hole- hammer. The flying configuration was required as to execute a particularly challenging couple of rock sockets not reachable by a standard VTL configuration.

After these few sockets were completed, Birmingham shipped additional components to switch the Flying BL37 system into a 184 FT VTL System and attached it to a Manitowoc 2250, again on the barge. Birmingham Technician Ryan Chevalier, whom conducted the rig-up of the system commented that it was quite a system to see



<b>Owner</b> Port of Newark	<b>Birmingham Personnel</b> Louis Fritz P.Eng
<b>General Contractor</b> EIC	<b>Period of Work</b> 2014

complete and drilling. EIC is happy with their peak drilling speed of 45 feet per hour. forward to a continued relationship with EIC Associates.

Birmingham would like to thank Jeff Martin, Matt Fiorentino, and Tom Grycan for putting their trust in the Birmingham team to provide a customized solution to their drilling needs. Birmingham looks

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