

CASTLE CLINTON NATIONAL MONUMENT NEW YORK, NY

LOCATION:

New York, NY

CLIENT:

National Park Service

PROJECT SIZE:

\$6,806,016

DATES OF PERFORMANCE:

11/12/2020 -05/26/2022

ROLE:

General Contractor

SCOPE OF WORK:

Restoration of historic stone masonry; historic roofing; cast iron restoration; lightning protection replacement



PROJECT SUMMARY

Castle Clinton National Monument (CACL) was completed in 1811 as the Southwest Battery part of the defensive system protecting Manhattan. It stands 200 feet offshore, supported by caissons and wood piers. The historic wall, comprised of porous sandstone, had deteriorated due to insufficient capping and ground water penetration. Significant water intrusion through capillary action with the stone was detected and uneven settling had caused vertical and horizontal cracks and dislocation of individual stones. In addition, exposure to the elements and environmental pollutants had led to ongoing exfoliation and spalling of the facing stone. Stone & Lime's team stabilized, conserved, repaired and restored the historic stone walls of Castle Clinton by installing new capping wherever necessary; replacement, pinning, and performing dutchman repairs; and patching and repointing throughout the structure. All original materials were retained and conserved where possible.

HISTORIC CONTEXT

The United States declared War on Great Britain on June 12, 1812. Acknowledging increasing tensions with the British, American harbor cities began building forts for protection. Four forts were built to defend the New York City harbor. Southwest Battery was constructed on the rocks off the tip of Manhattan between 1808 and 1811. On March 27, 1812, General Joseph Bloomfield was appointed to the command of all the fortifications in New York City and harbor. He established his headquarters at Southwest Battery. In 1817, the fort was renamed Castle Clinton in honor of Dewitt Clinton, Mayor, and later Governor of New York.

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