

Construction Inspection and Removal of Pile Jackets

**Waterside Plaza
New York, NY**

CONSTRUCTION INSPECTION & MONITORING



Atlantic Engineering, LLC was hired by Parsons Brinckerhoff for the inspection of the concrete piles supporting waterside plaza. The construction inspection included confirmation of pile cleanliness, adequate excavation depths, pile and installed jacket lengths, bottom seals, grout levels and the presence/absence of over-pour. In addition, inspection and testing for the use of test dollies to determine the adhesion of the jacket to the pile and the jacket form to the epoxy grout was performed. All defects were noted and addressed.

PILE INSPECTION AND JACKET REMOVAL

Over 800 piles were inspected for spalls, scaling, honeycombing and other major structural defects. Overall conditions were noted and submitted for further review. Jackets were removed from 10% of the piles inspected using pneumatic tools to determine the integrity of the adhesion of the grout to the pile and the previously installed jackets.

Atlantic Engineering, LLC has performed inspections during construction at numerous job sites and is proficient in all aspects of underwater inspection, design, and construction. We serve as the “eyes” for the client who is personally unable to observe the underwater work being performed.



Waterside Plaza

Parsons Brinckerhoff Quade & Douglass

Ports and Marine

Waterside Plaza Conditioning



Atlantic Engineering LLC

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Fulton Fish Market & South Street Seaport NYC Economic Development Corporation

Manhattan, NY

SUBAQUEOUS INSPECTION SURVEY



Atlantic Engineering, LLC conducted a complete underwater condition survey and report documentation of thousands of timber and concrete piles, capbeams, framing members, decking and bulkhead at these Historic Facilities.

CONSTRUCTION INSPECTION

- NEW MARKET BUILDINGS
- TIN BUILDING
- APRON
- PIER 17
- PIER 16
- MARGINAL WARF

Upon completion of the assessment our firm made repair recommendation and performed the construction inspection of all the timber pile and framing repairs for quality assurance. Documentation included inspection reports, sketches and photographs.

FULTON FISH MARKET MULTI-MILLION DOLLAR REHABILITATION



UNDERWATER CAPABILITIES

- DETAILED INSPECTION SURVEYS
- CONSTRUCTION INSPECTION
- VIDEO & 35mm PHOTOGRAPHY
- HYDROGRAPHIC SURVEYS
- CONFINED SPACE & PENETRATIONS
- P.E. DIVER INSPECTION
- ULTRASONIC THICKNESS MEASUREMENTS

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Heliport Piers Economic Development Corporation/

East 60th Street Heliport
Manhattan, NY

SUBAQUEOUS INSPECTION SURVEY



Atlantic Engineering, LLC conducted an underwater condition survey of the concrete seawall, timber and steel piles, capbeams, decking and bulkhead on the East 60th Heliport.

CONSTRUCTION INSPECTION

Upon completion of the assessment our firm performed the construction inspection of the timber and steel pile repairs for quality assurance. Documentation included inspection reports, sketches and photographs.

EAST 60th STREET HELIPORT

Completion Date: December 2000

Prime Reference: Michael Arotis
Contract Amount \$200,000



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Brooklyn Army Terminal Economic Development Corporation

Pier 1

Brooklyn Army Terminal, Brooklyn NY

SUBAQUEOUS INSPECTION SURVEY

Atlantic Engineering, LLC was contracted to perform the underwater inspection of Pier 1 and the relieving platform. The work included the visual inspection and condition assessment of selected piles, cap beams, bulkheads, and underside of the deck.



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COLLAPSE INVESTIGATIONS

Atlantic Engineering, LLC has the inspection capabilities to perform failure investigations, structural analysis and design of repair details. P.E. Divers lead inspection teams performing 100% of the diving inspection when required.

PIER 1, BROOKLYN ARMY TERMINAL



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