



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Seawall Repair at the Floyd Bennett Field Marine Corps Reserve Center (MCRC)

Location: Brooklyn, NY

Scope: Provide labor, equipment, and supervision to replace 1,200 feet of revetment seawall along Jamaica Bay at the MCRC

Berner Construction was contracted by T N and Associates, Inc. of Raleigh, NC to repair 1,200 feet of seawall along Jamaica Bay at Floyd Bennett Field MCRC located in south Brooklyn, New York. The steel sheet pile seawall was in a state of disrepair and had partially collapsed. The deteriorated condition of the sheet pile was causing erosion of the bank behind the seawall which



Old Sheet Pile Seawall

adversely affected the Reserve Center parking lot. The purpose of the project was to provide controls to prevent future erosion of the bank by installing a new erosion control system. The project involved removal of the old sheet pile seawall and installation of new front-sloping stone revetment seawall.

The project commenced with the installation of erosion controls (silt fence) for the site and removal of the wood, asphalt, and concrete debris from behind the existing sheet pile wall. The existing

concrete cap on the sheet pile wall was removed and disposed. The steel sheet pile wall was removed above the mud line and the existing side slope regraded. The new revetment wall consisted of three layers of stone (bedding stone and armor rock) placed over a non-woven geotextile fabric.

Due to the large quantity of stone required for the new revetment wall, the materials were delivered by barge and off-loaded at strategic locations along the seawall. A new storm water interceptor trench was installed along the top of the armor rock revetment wall.

The project required working around the tidal schedule. The work schedule was adjusted as necessary to allow work during low tides when possible. The final phase of the project included site restoration and repaving of the parking lot.



New Revetment Seawall