

**Mechanical and Marine Construction Inc.**

Project Management / Engineering / High-Rise Services / Commercial Diving / Co-Gen  
A Certified Women’s Business Enterprise  
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**Northport Private Residence: Storm Damaged Bulkhead**

**Project Site:**

Northport New York, 11768

**Project Duration:**

April 2012 –  
June 2012

**Description:**

**Prepare and Obtain Marine Permits**  
**Installation of Marine Helical Anchor Piles**  
**Installation of Marine Timber Whaler**  
**Replacement of Weathered and Damaged Bulkhead**

**Project Summary**

Our team was able to obtain all the marine permits in a timely manner necessary to properly complete this project. In order to facilitate the permit process, we commissioned a land survey and completed our engineering design. We applied for and received the following permits for this project: US Army Corps of Engineers, New York Department of State, New York Department of Environmental Conservation, Township of Huntington and the Village of Northport.

Upon issuance of the required permits, our dock building crew began driving six sixty-foot tri-helical piles into the bluff. Under supervision of a Marine Engineer, we achieved the proper force on each anchor. This type of repair saved the owner the cost of digging up the beach and bulkhead. This approach also reduced the project duration and minimized any environmental disruption to the delicate shoreline and ecosystem.

The new whaler and wood sheeting added support, strength and left a strong new bulkhead for this Long Island Gold Coast shore property.

The combination marine construction knowledge, structural and environmental engineering, made this project a success for all.



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