



Client

US Army Corps of Engineers

Contract Number

W912BU-13-D-0006 (TO-003)

Project Name

Flood Control & Coastal Emergency Repairs, Delaware Coast

Total Project Value

\$822,770.84



Project Summary

The US Army Corps of Engineers, sponsored by The State of Delaware and the City of Rehoboth Beach, contracted REILLY to extend three outfalls on the beach. The outfalls were not sufficient to handle the City of Rehoboth's needs. The scope of work consisted of clearing the outfalls, excavation and fill, installing new timber piles and cribbing (pipe support systems) and new ductile iron pipe extensions (permanent storm water outfall). Various land and marine equipment was used in the delivery of this work to include jetting equipment, excavators and a crane with a specialized hammer attachment which facilitated the new pipeline and cribbing installation.



Challenges

The most challenging aspect of this project was working around the varying oceanic tides as well as the changing weather conditions often associated with coastal marine work. Some other challenges were:

- An aggressive project delivery schedule; substantial completion was required within 60 days from notice to proceed
- Various environmental concerns to include the monitoring and protection of wildlife, specifically federal and state protected, endangered and/ or rear bird species
- Developing an excavation dewatering plan which required the implementation of a number of concurrent activities required to control water flow on site
- Developing a comprehensive traffic control plan for safely moving heavy equipment and materials on public roads and beaches
- Seismic testing and monitoring of adjacent properties, approx. 150 buildings
- Coordination of personal, equipment and materials spread out over various beach work zones, each approx. 1/2 mile apart



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