

St. Thomas Pipeline Stabilization

QUIKRETE® 60 lb 3-1 (Sand/Cement) Burlap Bags - SlingBag®
St. Thomas, U.S. Virgin Islands



PROJECT DESCRIPTION:

A luxury resort on the south shore of St. Thomas in the U.S. Virgin Islands recently stabilized a 300-foot long seawater intake pipeline using SlingBags® from QUIKRETE® that were placed by Logan Diving & Salvage. Designed to feed the HVAC chillers on the resort, the existing underwater intake pipeline was less stable than expected when original installed and became a potential hazard to the natural habitat.

After securing the five required permits and preparing the area, rip rap burlap bags were walked to the appropriate locations in shallow water and placed under, beside and on top the intake pipeline. As the water got deeper, SlingBags® carrying 56 3-1 Sand/Cement burlap bags each were transported by boat and then placed around the intake pipeline by divers. Rebar was driven into the rip rap burlap bags during the process to strengthen the bond between the bags and with the sea floor. Water quality samples were analyzed daily to reaffirm that the bag installation did not exceed permitted turbidity requirements. The underwater intake pipeline is now effectively stabilized, supported and protected from movement caused by coastal ocean currents and wave action during elevated sea states.

SlingBags®, a heavy duty woven polypropylene fabric tote with four polyester lifting loops that holds 56 60-pound rip rap burlap bags. SlingBags® are transported using cranes, forklifts and other heavy equipment making it easy, efficient and safe to store, move and place the bags five times faster. The 3-in-1 rip rap burlap bags are a high strength, 4,000 PSI blend of sand and cement package in a heavy duty natural jute environmentally friendly biodegradable 10 oz burlap bag. The burlap bags will bond together as one unit, harmless to wildlife and has no ink writing on the bags which gives the appearance of natural stone.

CONTRACTOR: Logan Diving & Salvage

QUIKRETE® PRODUCTS:

- 170 SlingBags®: 9,400 60 lb burlap bags

PROJECT START DATE:

March 2016

PROJECT COMPLETION DATE:

April 2016

**QUIKRETE® Burlap SlingBag®
& Rip Rap >>**

