

CASE STUDY

ANACOSTIA RIVER

Silver Spring, Maryland
Submar Project 12846

SUBMAR®



BEFORE



AFTER

EXISTING CONDITIONS

A 22-inch diameter natural gas pipeline that crosses the northwest branch of the Anacostia River in Silver Spring, MD, had become exposed due to bank erosion and lateral migration of the channel. Previously placed rock failed to remediate the erosion issue. If left uncovered and unprotected, the pipeline risked further exposure and potential damage due to continued erosion.

SOLUTION

After our construction crew sandblasted and recoated the pipeline to restore its integrity, they installed a system of our articulating concrete revetment mattresses over a woven geotextile material. The mats allow natural vegetation and retain the grade to prevent future stream bed degradation. Material from the stream bed then was placed on top of the mat system in the form of constructed riffles to dissipate stream velocity.

The crew then placed stones on the toe of the banks above the thalweg and installed a rock sill downstream of the mat system to aid in preventing further bed degradation. Upon completion of the final grading, the crew installed erosion control blanket on the banks and placed seed and straw (Best Management Practices).

THE Exposed Pipeline Remediation Experts

✉ submar@submar.com

☎ (800) 978-2627

🌐 www.submar.com