

Mechanical and Marine Construction Inc.

Project Management / Engineering / Bulkheading / Commercial Diving / Co-Gen
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NYC Department of Environmental Protection, Mace Contracting

Project Site:

Brooklyn, NY

Project Duration:

July 2016- November 2018

Description:

Underwater Installation of Aeration Pipeline

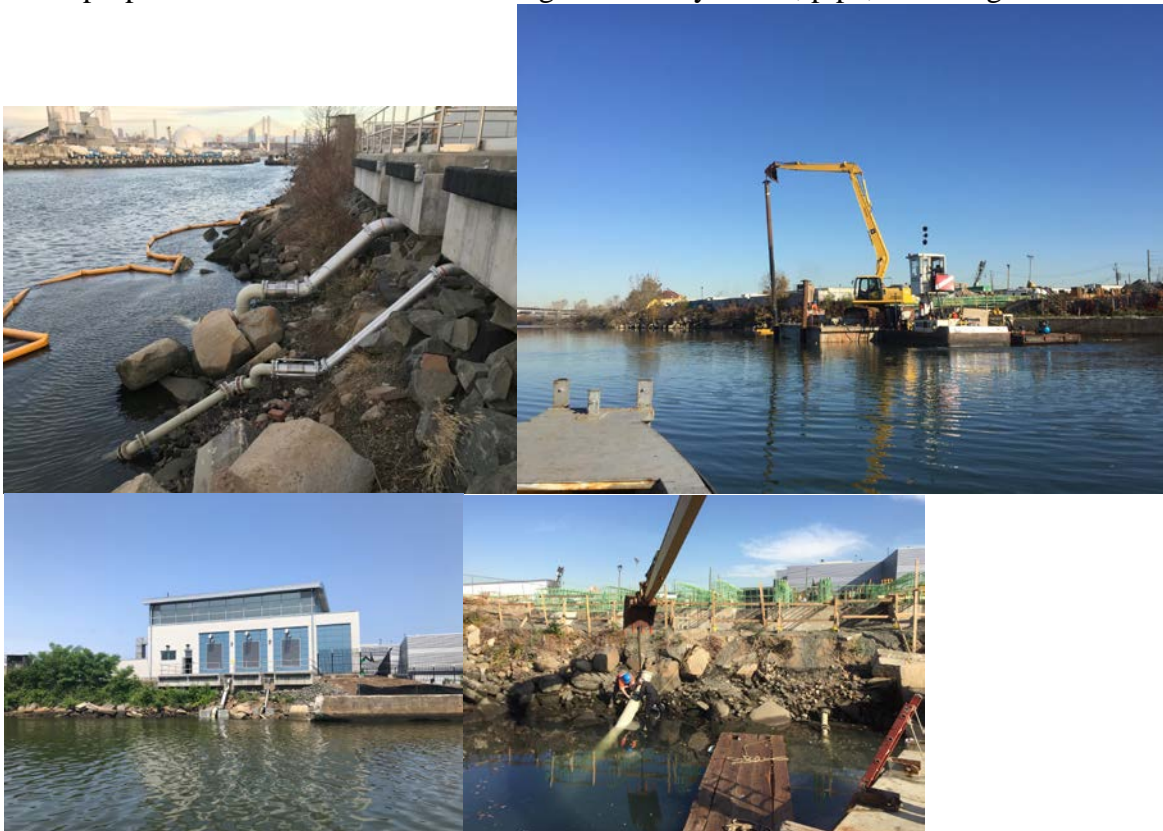
Project Summary:

MMC provided marine equipment, marine surveyor, captain, and commercial diving team.

We installed 1100' of 6" HDPE pipeline under the Grand Ave. Bridge connecting Brooklyn to Maspeth. Two 300# concrete weights were placed every 3' for the entire length. The last 400' has air diffusers to increase the Oxygen level in the waterway.

Off the same barge we installed a 1600' 14" HDPE pipe with flanges every 18'. This pipe extended from the blower station to toward the East River. We faced and overcame issues where vessel traffic impeded our placement of underwater pipe, coordination was necessary. The USCG, tug companies, oil and scrap metal yards were all consulted with to find times for us to block the navigation channel and not impede maritime transportation.

The final product was finished before the blower building was completed, and the diffusers will be adjusted to allow proper air flow. Our as built drawing show every elbow, pipe, and flange accurate to 4".



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