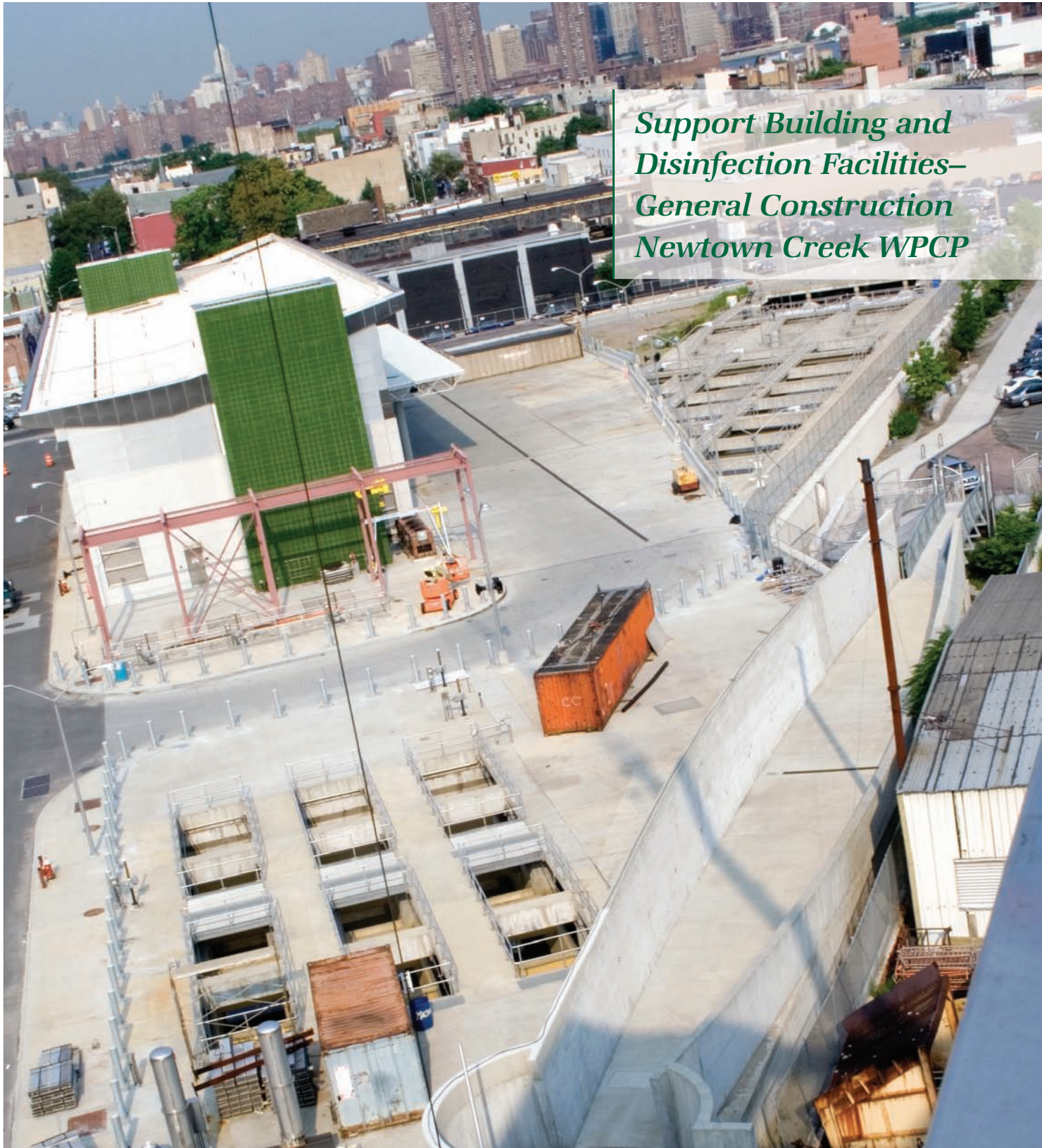




# John P. Picone INCORPORATED

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*Support Building and  
Disinfection Facilities—  
General Construction  
Newtown Creek WPCP*

*— Committed to quality, backed by hard work.*



# John P. Picone INCORPORATED

**Project Manager:** John Culkin

**Contract Number:** NC-32G

**General Contractor:** Picone/McCullagh JV

**Agency:** NYC DEP

**Contract Amount:** \$195,000,000.00



## **Support Building and Disinfection Facilities— General Construction Newtown Creek WPCP**

This project provides an extension to the existing Newtown Creek wastewater treatment plant. The extension allows for the proper application of chlorine to meet the changing environmental constraints on the effluent water.

The extension requires new concrete influent and effluent conduits as well as a complete chlorine contact tank system with a Disinfection Building above. An additional Support Building and community Nature Walk are also included in the contract.

### **Unique Features:**

The excavation of the site needed to be done under careful environmental supervision. All excavated material was handled as contaminated fill and disposed of in accordance with federal guidelines. A series of caissons, steel h-piles, secant piles, tiebacks, and steel sheeting were utilized to support the excavation and provide the foundation for the new structures.

### **Challenges:**

All the work on this project had to be completed without affecting the normal operation of an active plant. Numerous bulkheads were needed to control the flow of water and protect the work force. The bulkheads were designed by Picone/McCullagh to withstand the pressure of the tank water as well as the East River tides.

