

January 2017 Update

Replacement of the Existing Water Siphons between Brooklyn and Staten Island “Siphon Project”

A number of major milestones were reached in 2016! Principal among these were the abandonment of the two existing siphons, which allowed the Army Corps of Engineers to complete dredging; pressurization, chlorination and activation of the new siphon; and installation of the green “living” roof and walls on the new chlorination station that is currently under construction.

Background Information

The New York City Economic Development Corporation (EDC) is administering the Siphon Project, which is being funded by the New York City Department of Environmental Protection (DEP) and the Port Authority of New York & New Jersey (PANYNJ).

Major components of the project include the following:

- use of a TBM to install a new 72” water siphon
- installation of land piping (new water mains and sewers) in Staten Island and Brooklyn using open cut and microtunneling techniques
- construction of a new “green building” chlorination station in Staten Island
- implementation of an extensive community outreach program, including development of informational materials and ongoing liaison with residents, businesses and other stakeholders

Work During December 2016

- Continuation of preparatory work (drawings, permit applications and other submittals) in support of land piping and chlorination building activities in Staten Island and Brooklyn
- Continuation of activities related to construction of shaft access chambers in Brooklyn and Staten Island, including installation of precast planks
- Continuation of work in support of construction of the new chlorination station, including installation of piping and equipment within the building, the green “living” roof and walls, and the irrigation system for the roof
- Community outreach activities, including coordination with Staten Island Community Board #1, Brooklyn Community Board #10, representatives of Fort Hamilton High School, and other groups and individuals; preparation and distribution of informational materials (Project Update, etc.); updating of the project web site; and ongoing liaison with residents, businesses, and other interested stakeholders and constituencies

Work Projected for January 2017

- Continuation of preparatory work (drawings, permit applications and other submittals) in support of land piping and chlorination building activities in Staten Island and Brooklyn

- Continuation of activities related to construction of shaft access chambers in Brooklyn and Staten Island
- Continuation of work in support of construction of the new chlorination station, including installation of piping and equipment within the building, the irrigation system for the roof, and perimeter fencing
- Continuation of land piping work in Staten Island, including:
 - Installation of 18” sewer at the Staten Island Shaft Site and along Front Street in the vicinity of the Staten Island Shaft Site
 - Installation of 48” sewer outfall on Front Street in the vicinity of the Staten Island Shaft Site [**NOTE:** This work may require **intermittent** closure of Front Street, between Wave and Hannah Streets, to vehicular and pedestrian traffic.]
 - Demolition and abandonment of the venturi chamber on Victory Boulevard in the vicinity of Lyons Pool
- Continuation of land piping work in Brooklyn, including:
 - Demolition and abandonment of two existing venturi chambers on the west side of Shore Road, at 79th and 86th Streets
- Continuation of community outreach program, including coordination and meetings with Staten Island Community Board #1, Brooklyn Community Board #10, representatives of Fort Hamilton High School, and other groups and individuals, as needed; preparation and distribution of informational materials (Project Update, Construction Notices, etc.); updating of project web site; and ongoing liaison with residents, businesses and other interested stakeholders and constituencies

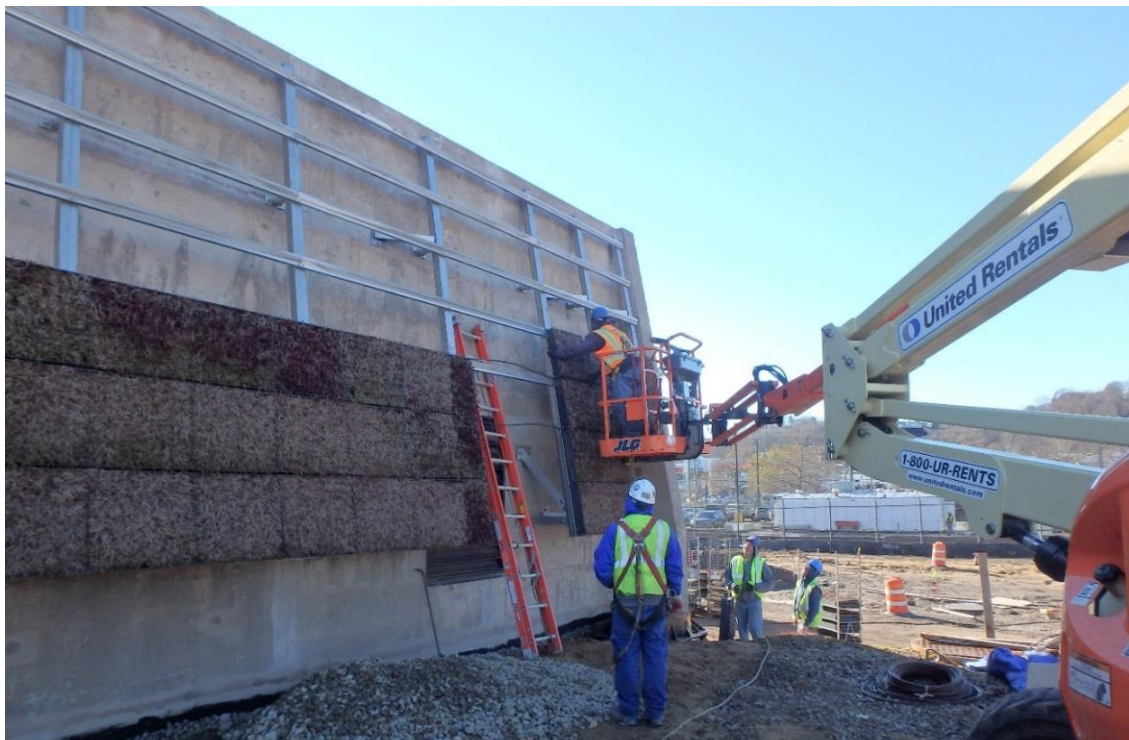
For additional information concerning these activities or other aspects of the Siphon construction project, please contact:

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Or visit the project website at: <http://www.nycedc.com/project/replacement-anchorage-channel-water-siphons>. See website for video illustrating the process by which the 110-ton, 300-foot long TBM drilled a distance of nearly two (2) miles, 100 feet beneath New York Harbor.



Newly installed Green Roof on top of Chlorination Station.
Plants are a variety of Sedum, also known as Stonecrop.



Installation of "living wall" panels on side of Chlorination Station



Installation of Precast Plank atop Staten Island Shaft