

December 2017 Update

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

The majority of work on the Siphon Project is expected to approach completion by the end of the year. The chambers in Staten Island and Brooklyn that were part of the original siphons have been abandoned as planned, and work continues on the chlorination station, with testing of the new facility anticipated to begin in December. Current work is focusing on restoration of the Staten Island and Brooklyn shaft sites; remaining land piping work in both boroughs; completion of the chlorination station; and restoration of Front Street.

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 November 2017

- Continuation of work in support of construction of the new chlorination station, including installation of piping and equipment, fencing, preparation for and installation of Con Edison electrical feed, installation of curbs and grading of the site
- Miscellaneous work on the water distribution system in the vicinity of new land piping in Staten Island and Brooklyn (including chambers, manholes and hydrants)
- Continuation of cleanup at the Brooklyn Shaft Site
- Continuation of restoration of Shore Road Park, including grading and installation of walkway and benches
- Restoration of Front Street in the vicinity of the Staten Island Shaft Site, including installation of curbs, sidewalks and permanent pavement
- Restoration of intersection of lower Victory Boulevard and Murray Hulbert Avenue
- 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, Construction Notices, etc.); updating of the project web site; and ongoing liaison with residents, businesses, and other interested stakeholders and constituencies

Work Projected for December 2017

- Continuation of work in support of construction of the new chlorination station, including installation of piping and equipment, waterproofing, fencing, installation of Con Edison electrical feed, testing of equipment, grading and landscaping
- Continuation of land piping work in Staten Island, including:
 - Completion of installation of a 48" sewer outfall on Front Street in the vicinity of the Staten Island Shaft Site
- Miscellaneous work on the water distribution system in the vicinity of new land piping in Brooklyn and Staten Island (including chambers, manholes and hydrants)
- Continuation of cleanup at the Brooklyn Shaft Site
- Continuation of restoration of Shore Road Park, including grading, installation of fencing, replacement of lighting and landscaping
- Continuation of restoration of Front Street in the vicinity of the Staten Island Shaft Site and at the intersection of lower Victory Boulevard and Murray Hulbert Avenue, including installation of permanent pavement
- 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.



Start of Permanent Restoration of Front Street
(looking north towards Hannah Street)



Chlorination Station nears Completion
(with newly installed fencing, curbs and driveway)