

235th Street Pump Station

Community Board Presentation

October 17, 2018

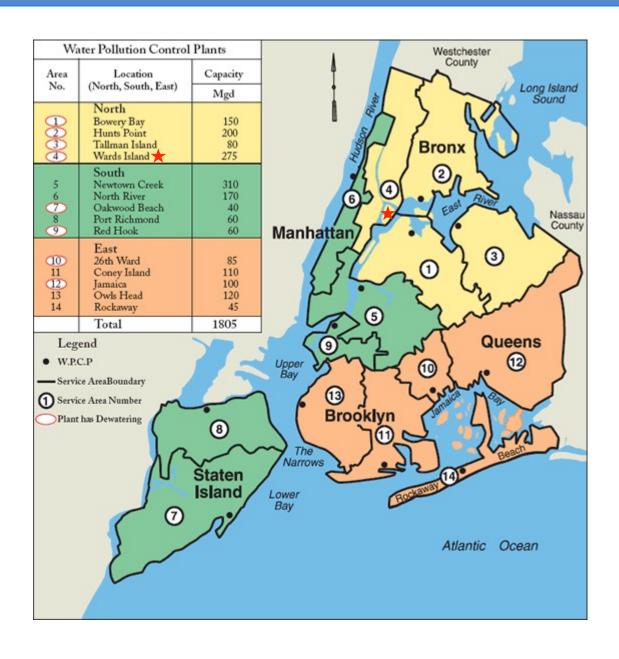
DEP: Who We Are, What We Do



- Deliver one billion gallons of drinking water per day to nine million New Yorkers
- Manage 19 reservoirs and three controlled lakes with a storage capacity of 580 billion gallons
- Treat an average of 1.3 billion gallons of wastewater per day
- Operate 14 in-city wastewater treatment plants and the 96 pump stations that convey wastewater for treatment
- Work to reduce air, noise and hazardous materials pollution thru enforcement

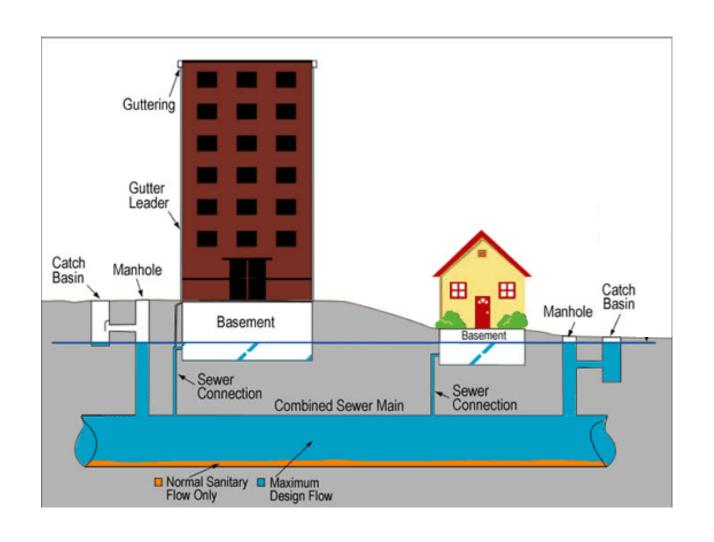
New York City's Wastewater Treatment System





Combined Sewer





Borough & Neighborhood





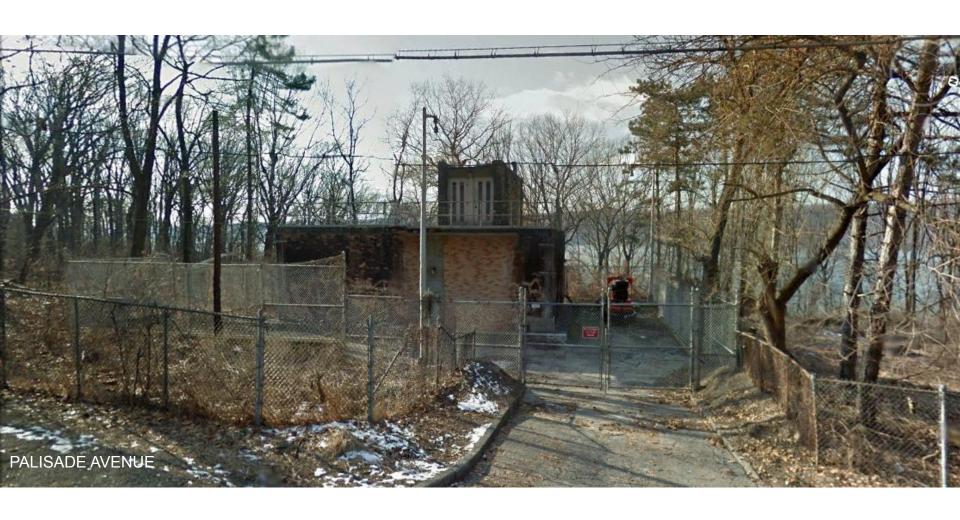
BOROUGH MAP

NEIGHBORHOOD MAP

SCALE: NTS

Existing Pump Station





235th Street Pump Station



- Originally constructed in 1966
- Above grade electrical room with subgrade pump room and wetwell
- Project Elements:
- Install Interim Pump Station to bypass flows while the main pump station is being reconstructed
- o Replace 4 pumps (3 duty, 1 standby)
- o Replace building with new building in the same footprint as the existing
- Building will have grey-colored natural stone to blend in with the surrounding park area
- Install new standby generator for backup power.
- Upgrade architectural, heating/cooling, plumbing, electrical and instrumentation in the subgrade structure (below ground building)
- Install new 20-inch force main from station south to a manhole located at the intersection of Palisade Avenue and West 231st Street

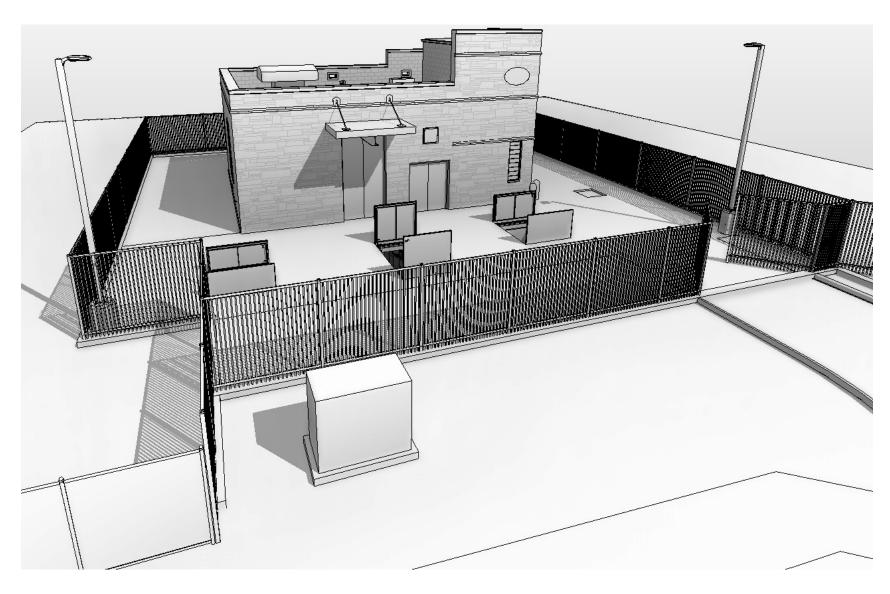






Upgraded Station





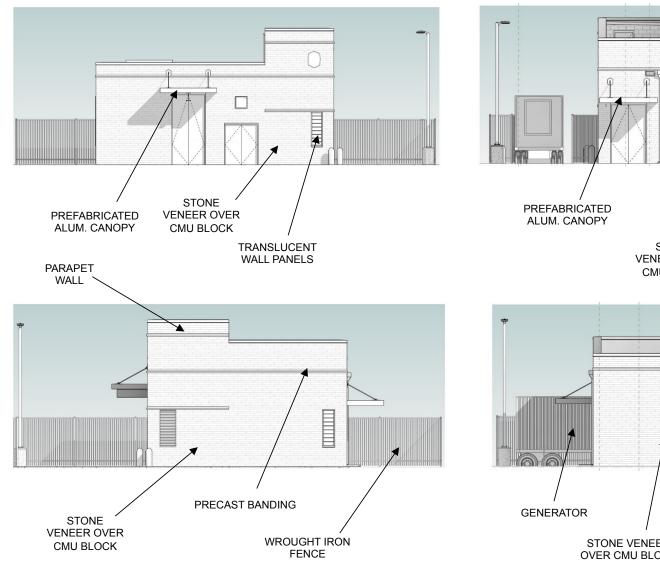
SCALE: NTS

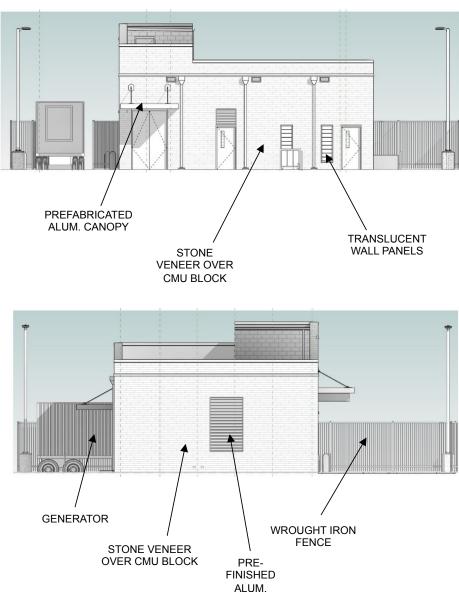
Pump Station Reconstruction

SCALE: NTS



ELEVATIONS

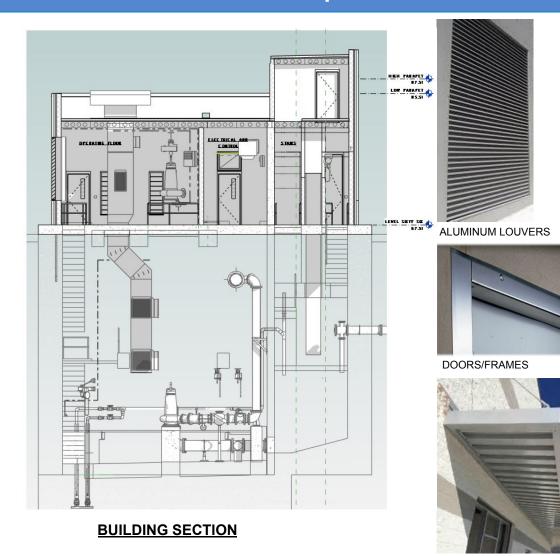




LOUVER

Pump Station Materials









STONE VENEER OVER CMU STRUCTURAL EXTERIOR WALL



TRANSLUCENT WALL PANEL

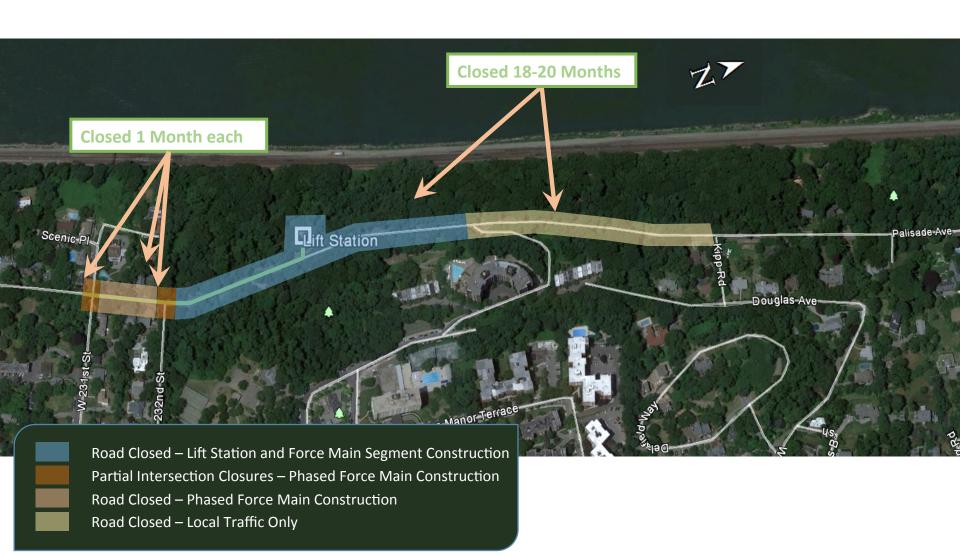
Pump Station Rendering





Construction: Temporary Lane Closures





Anticipated Schedule



- Design Commission Review: Fall 2018
- Design Completion: January 2019
- Procurement: April 2019 April 2020
- Start of Construction: April 2020
- Construction Completion: May 2022