

# **Avenue U Pumping Station**

**N.E. Corner of Avenue U & Ocean Pkwy, Brooklyn, NY 11223**

**Community Board 15**

**February 3<sup>rd</sup>, 2025**





# Our Mission

DEP's mission is to enrich the environment and protect public health for all New Yorkers by providing high quality drinking water, managing wastewater and stormwater, and reducing air, noise, and hazardous materials pollution.

DEP treats over a billion gallons of sewage every day at our 14 wastewater resource recovery facilities, and that wastewater is conveyed to treatment by 96 pumping stations across the city through a network of 7,400 miles of sewers.

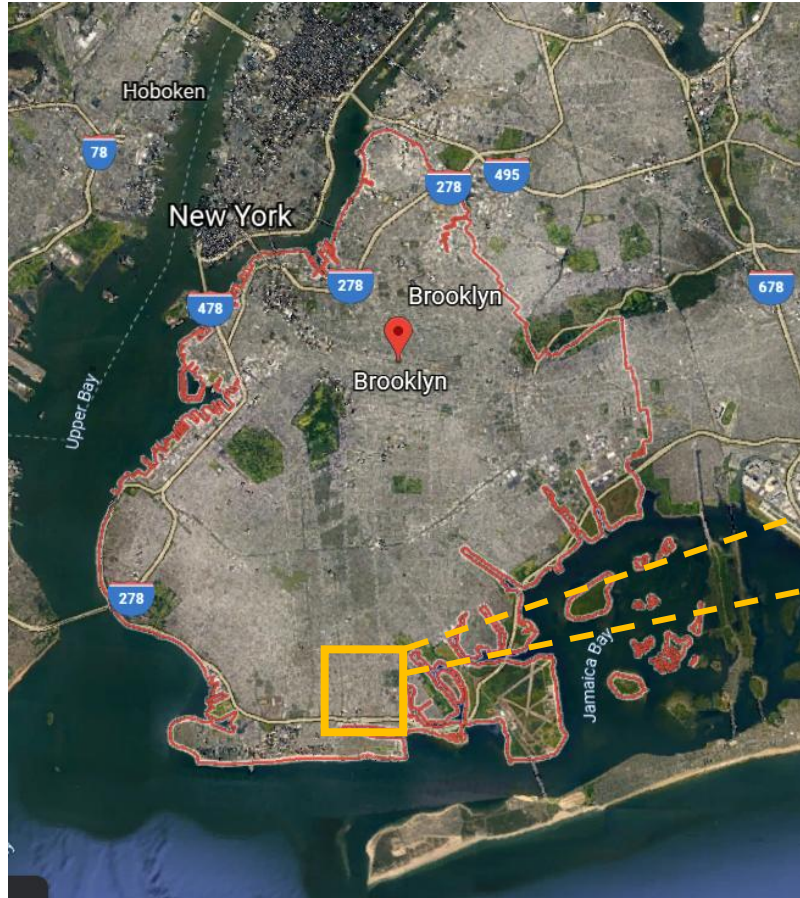
## OVERVIEW

# Avenue U Pumping Station

- The Avenue U Pumping Station was originally constructed in 1912 and last upgraded in 1987.
- It is located below grade on the traffic median.
- It has the capacity to pump 11.5 million gallons of sanitary sewage a day.
- The proposed reconstruction project will upgrade the entire pumping station, including all mechanical and electrical equipment, and protect all critical electrical equipment for resiliency and reliability.



# Project Neighborhood



Borough of  
Brooklyn



Sheepshead Bay  
Neighborhood

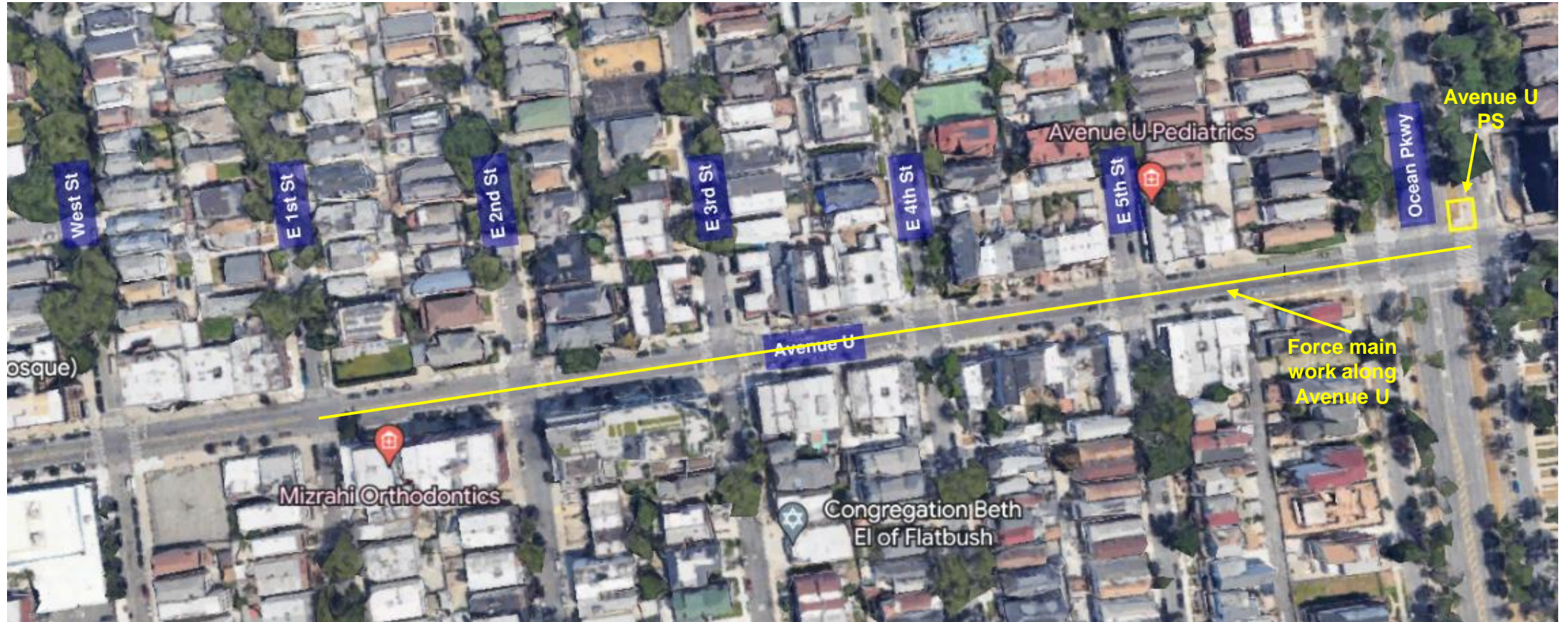
The pumping station serves Sheepshead Bay residents and businesses within a 719-acre drainage area.

# Project Location





# Project Location



# Historic Photos



Ocean Pkwy - South (1974)



Ocean Pkwy - North (1974)



# Historic Photos



Ornamental Cast Iron Air Intake Stack (1974)



Ornamental Cast Iron Air Intake Stack (1978)



# Original Air Intake Stack



Photo 1 – View of North Median Facing Northwest from Ocean Pkwy Service Road with original Air Intake Stack

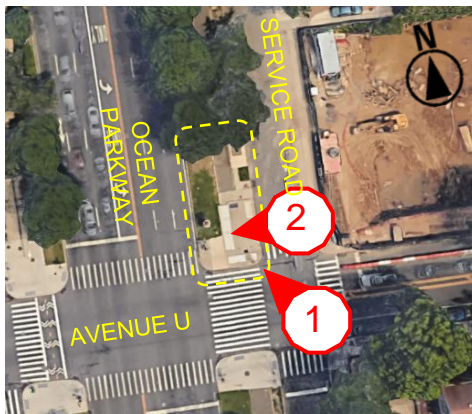


Photo 2 – Original Dry Well Air Intake Stack



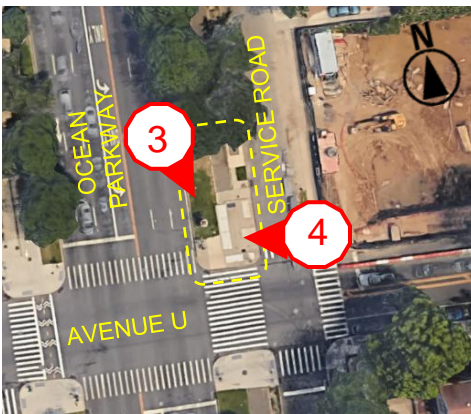
# Original Air Intake Stack



Photo 3 – View of North Median Facing Southeast to Avenue U



Photo 4 – View of Dry Well location Facing West to Ocean Pkwy



**Note: Intake Stack remnants are being stored at the Paerdegat Pumping Station.**

**The destroyed Intake Stack will be restored to resemble the original.**



# Current Site Conditions



Photo 5 – View of North Median Facing South to Avenue U

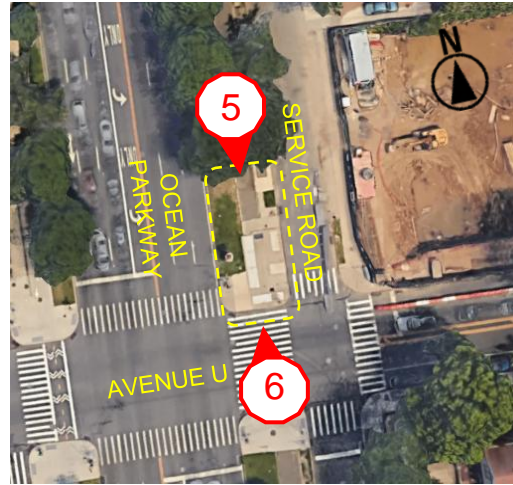


Photo 6 – View of North Median Facing North from Avenue U



# Current Site Conditions

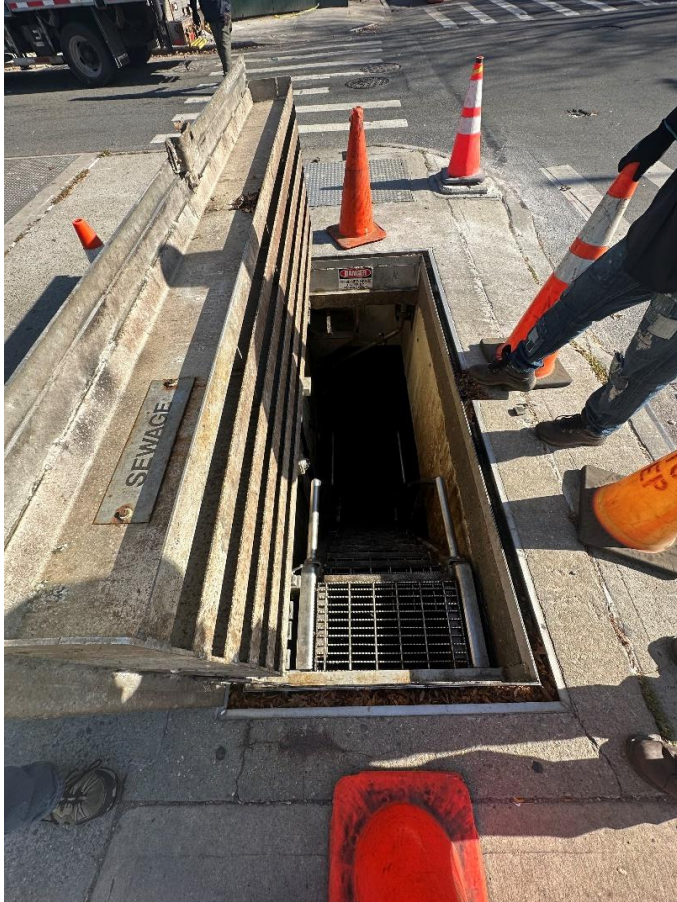


Photo 7 - Entrance into the Avenue U Pumping Station Wet Well, Facing East from Ocean Pkwy

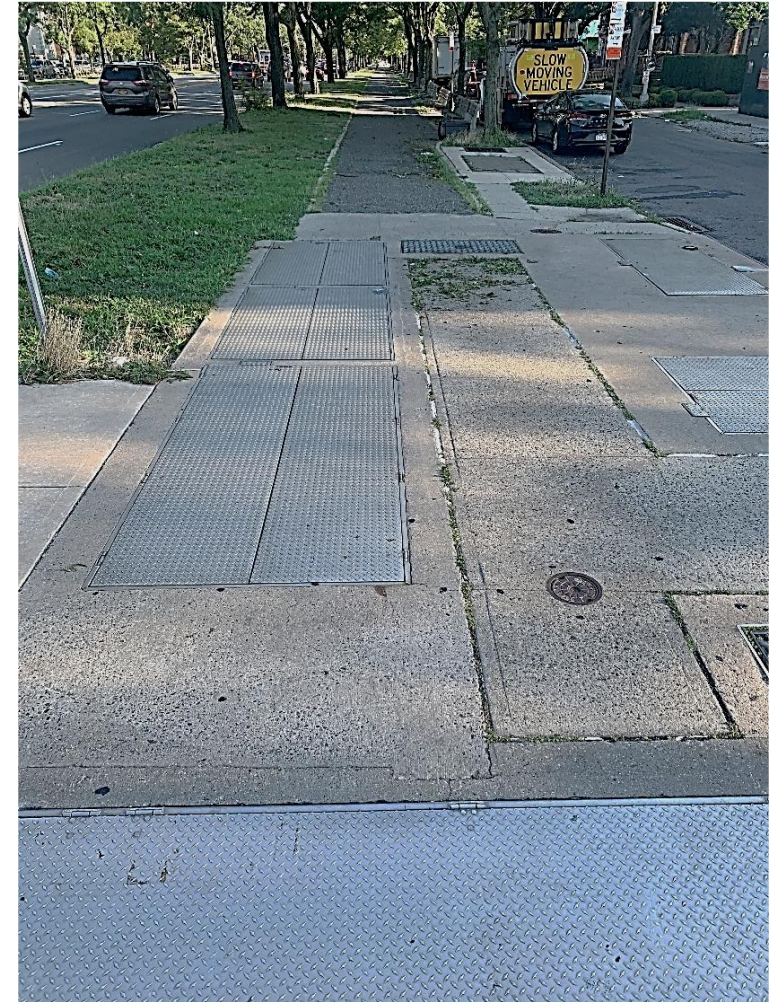
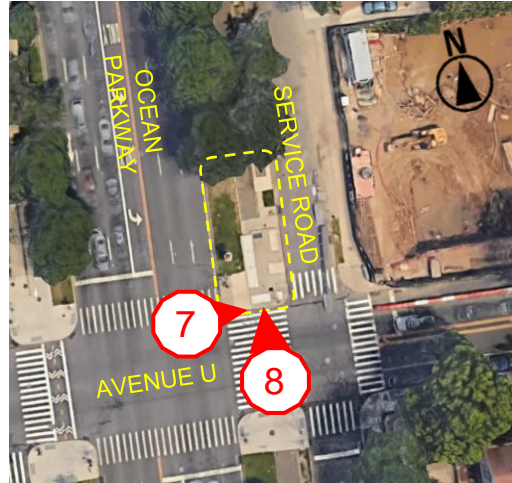


Photo 8 – View of North Median Facing North from Avenue U



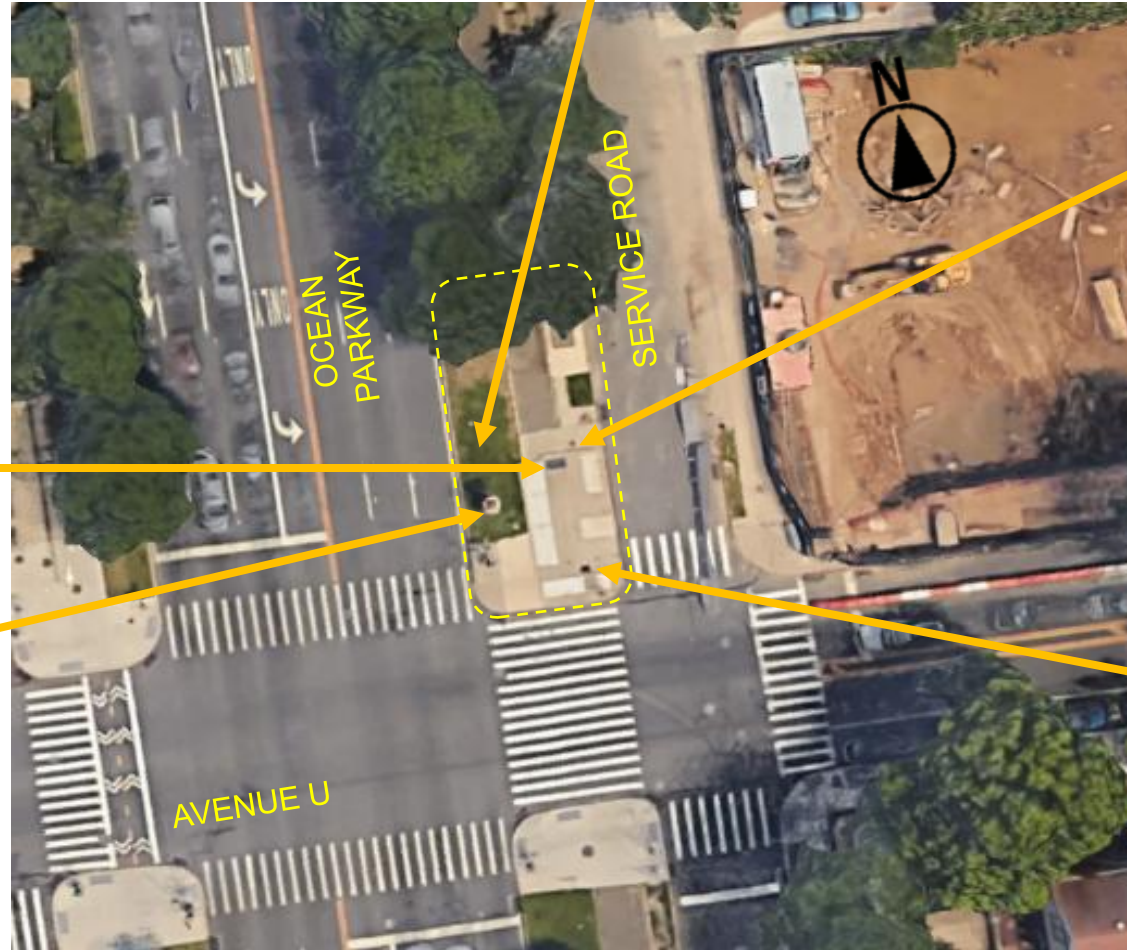
# Scope of Work (Above Grade)



Existing Dry Well Vent at grade to be relocated and provided with new stack above grade to compliment original Ornamental Cast Iron Stack



Restore Ornamental Cast Iron Air Intake Stack



Plan View

New location of Vent Stacks

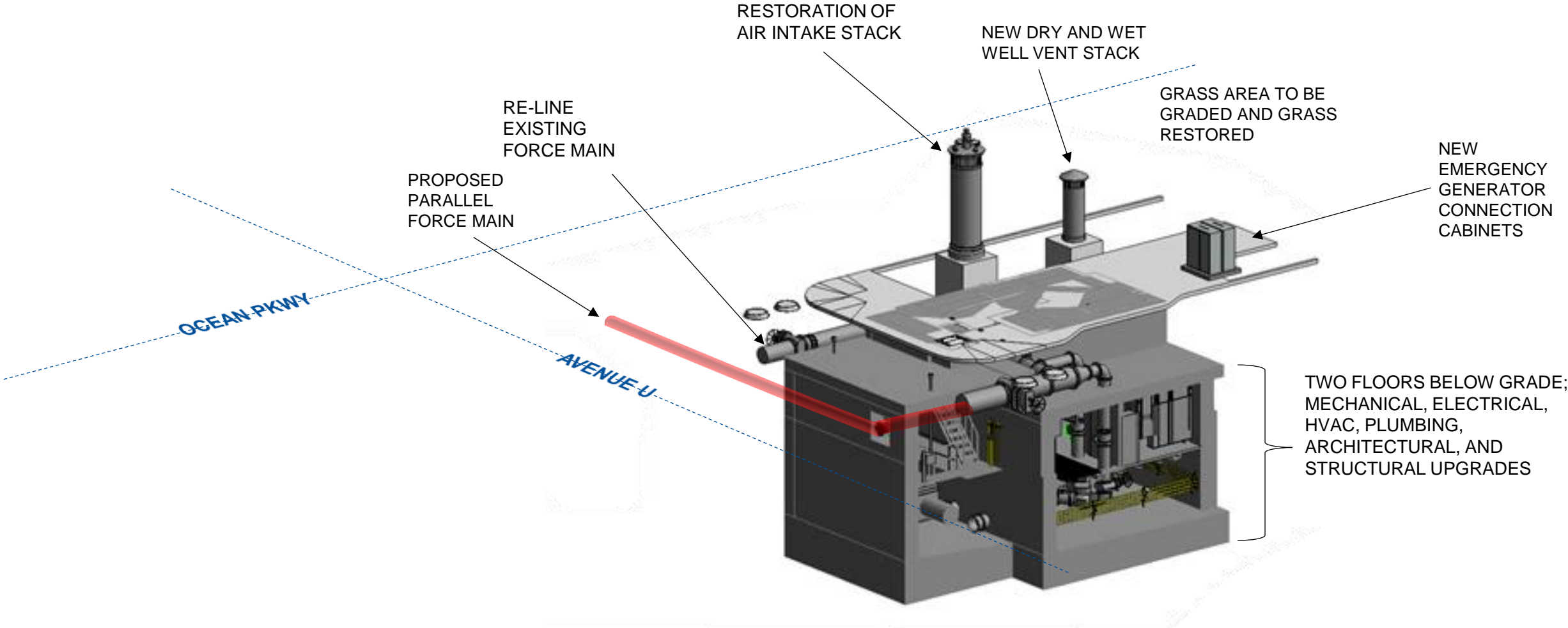


Proposed Generator Connection Cabinet (typical)



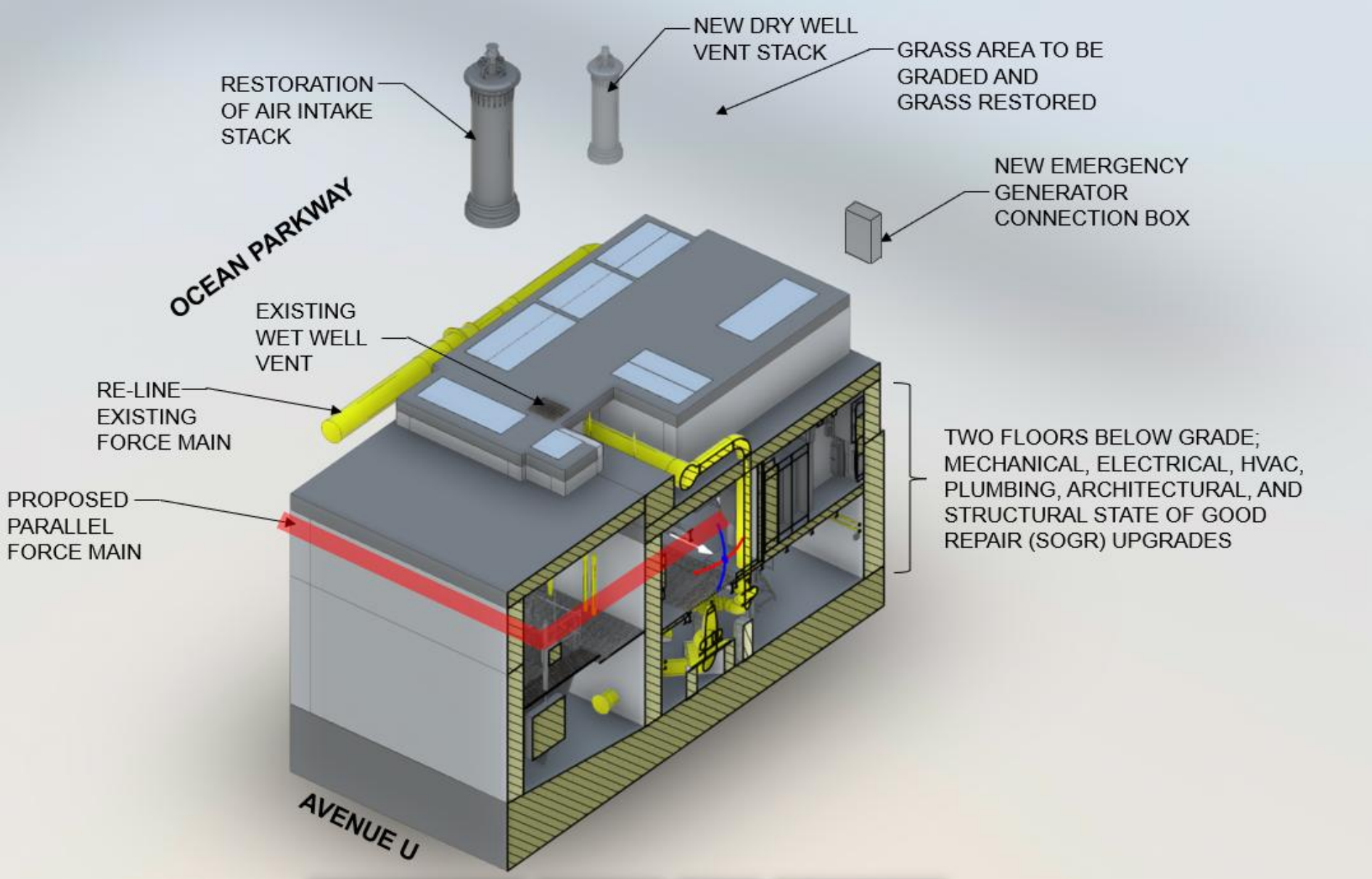
Existing Wet Well Vent at grade to be relocated above grade to compliment original Ornamental Cast Iron Stack

# Scope of Work



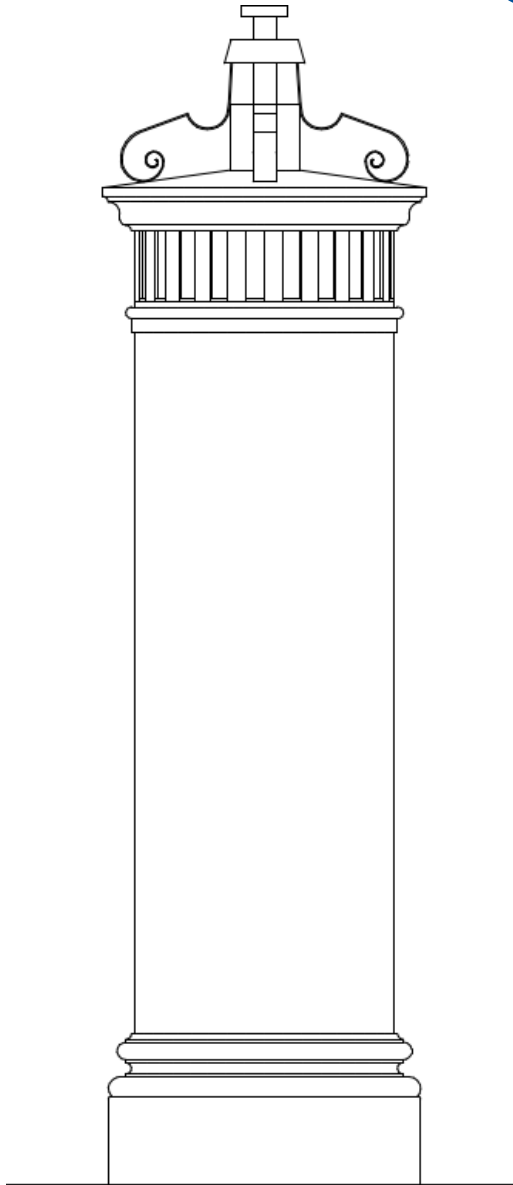


# Scope of Work





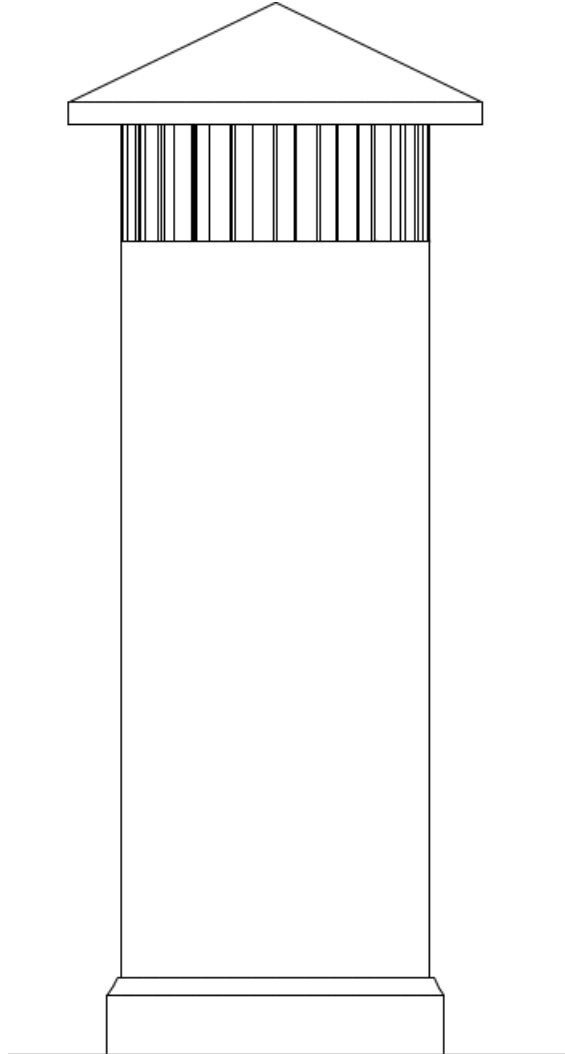
# Proposed Restored Ornamental Vent Stack Details



- Restoration of 1912 ornamental cast iron air intake stack
- Restoration of original crown
- Restoration of cast iron body



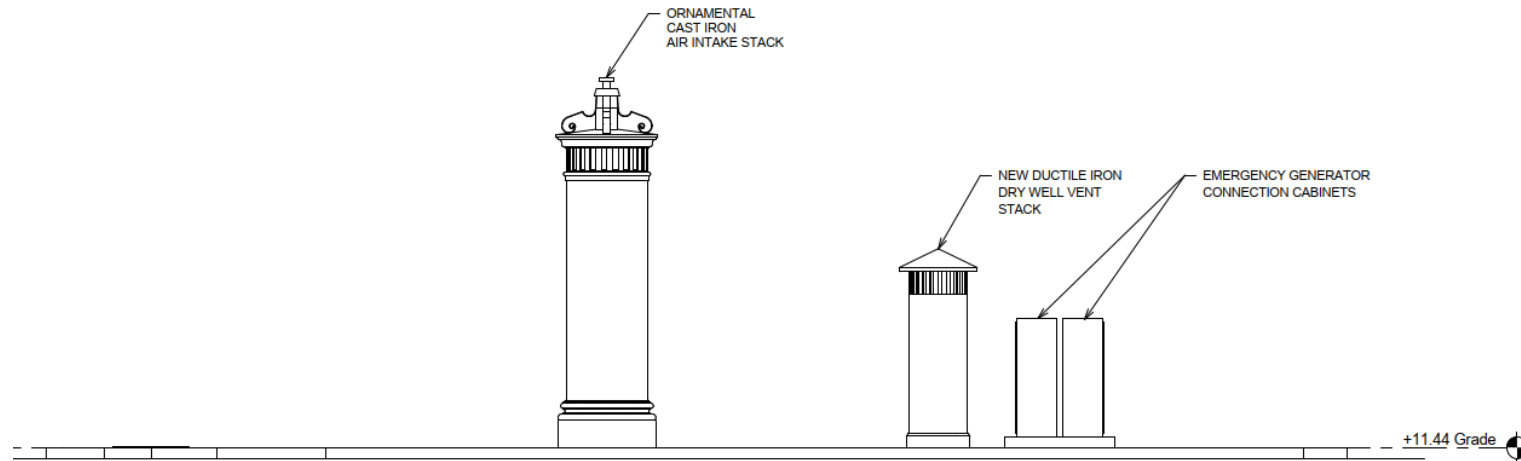
# Proposed New Vent Stack Details



- Utilitarian Style new wet well and dry well vent stack
- Simple conical cap style crown
- Cast Iron or ductile iron material
  - Ductile iron may be chosen to suit the diameter requirement



# Elevation: West View



# Rendering: Northwest View



EXISTING



PROPOSED



# Rendering: East View



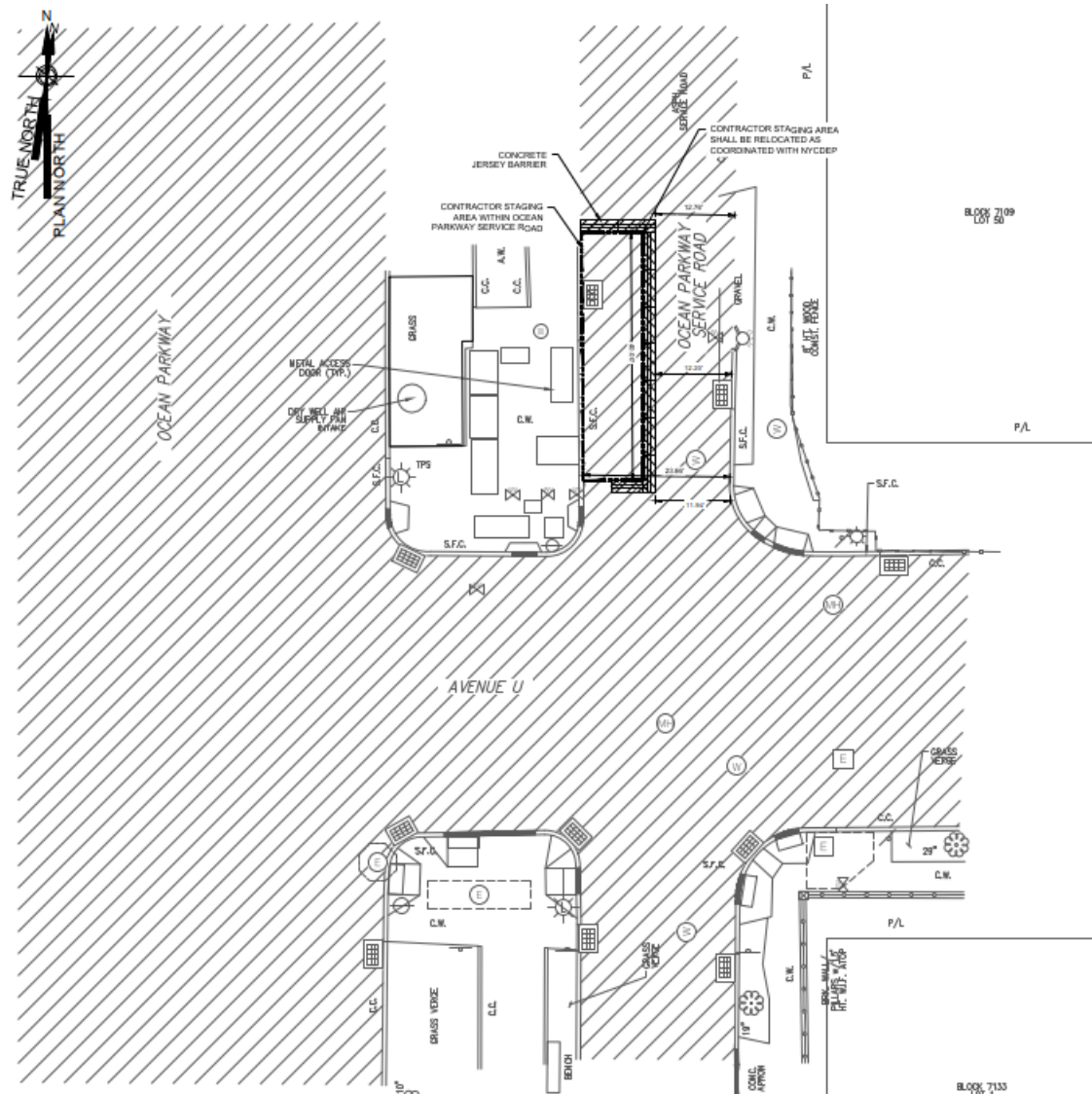
EXISTING



PROPOSED



# Temporary Construction Condition



- Pedestrian walkway plan updated based on feedback from CB
- Traffic lane reduction on Ocean Pkwy Service Road
- Traffic lane reduction on Avenue U, likely parking spaces will be impacted
- Avenue U pumping station will remain active during construction
- B3 will require temporary re-routing at times during construction



# Anticipated Schedule

**April 2026 – October 2028: Construction**

Construction Hours: 7am to 5pm M-F

- Generally, activity ramps down at 3:30pm

**Questions?**