



# Department of Design and Construction



## Manhattan Construction - CB1 Quality of Life Meeting April 19<sup>th</sup>, 2023

Eric Adams  
Mayor

Thomas Foley, P.E., CCM, DBIA, NAC  
Commissioner

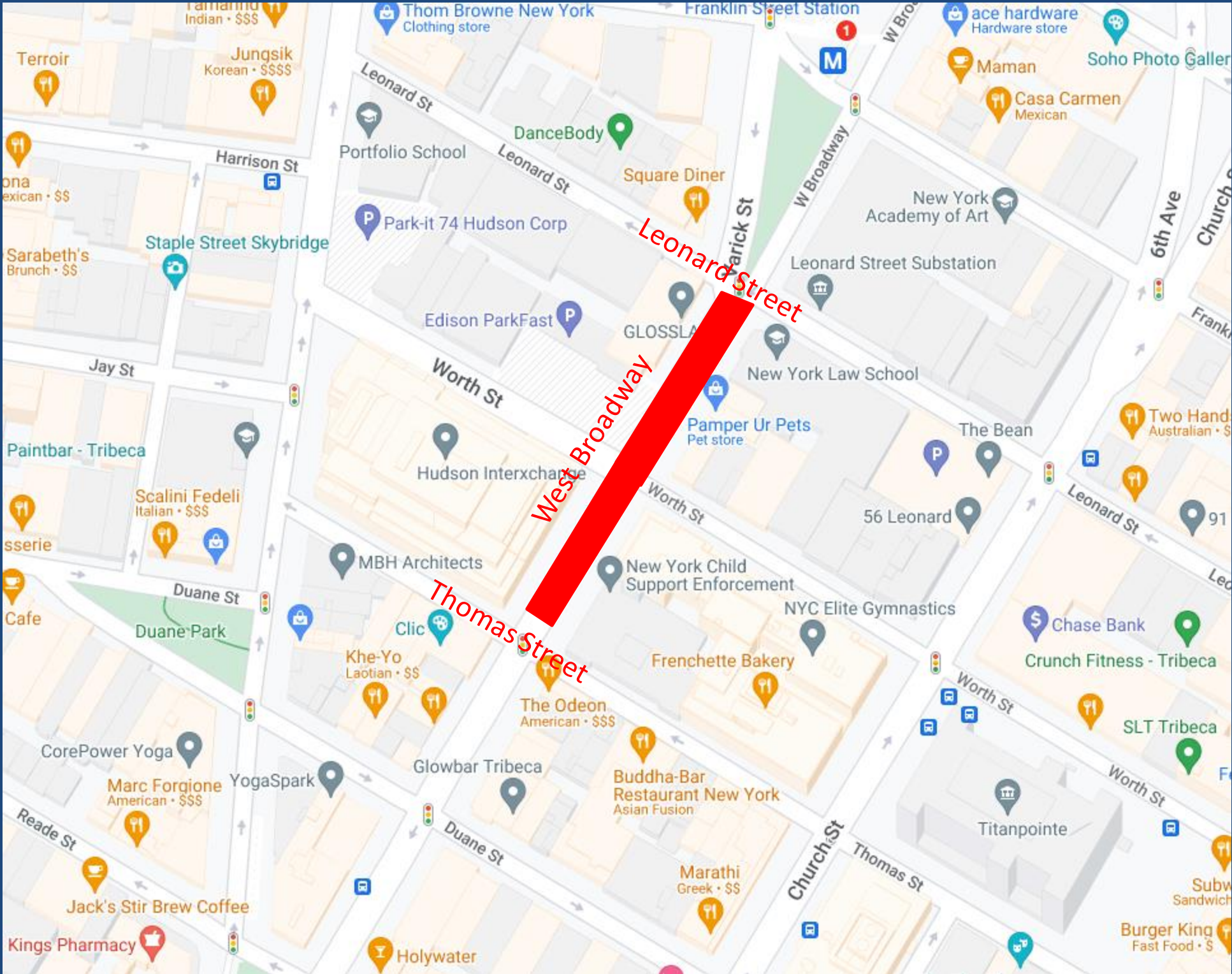
Eric C Macfarlane, P.E., M.ASCE, NAC, ENV-SP  
First Deputy Commissioner

Thomas Wynne, P.E.  
Deputy Commissioner | Infrastructure

Ali Mallick, P.E.  
Associate Commissioner | Construction Management

Walkman Wong, P.E.  
Assistant Commissioner | Infrastructure | Manhattan Construction

# SEN002178 – Reconstruction of Combined Sewers in West Broadway





# SEN002178 – Reconstruction of Combined Sewers in West Broadway





# SEN002178 – Reconstruction of Combined Sewers in West Broadway

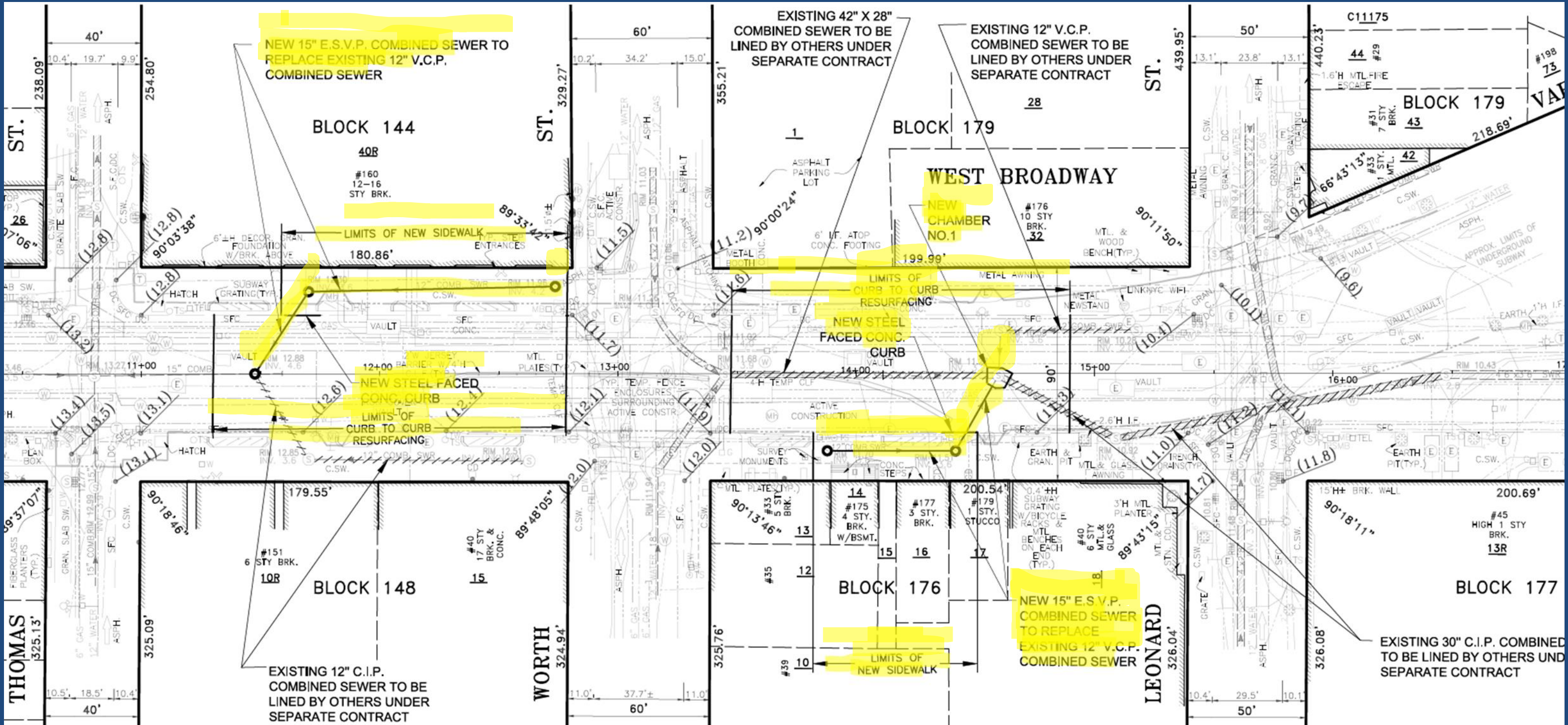


Scaffolding in front of 60 Hudson has been removed



# SEN002178 – Reconstruction of Combined Sewers in West Broadway

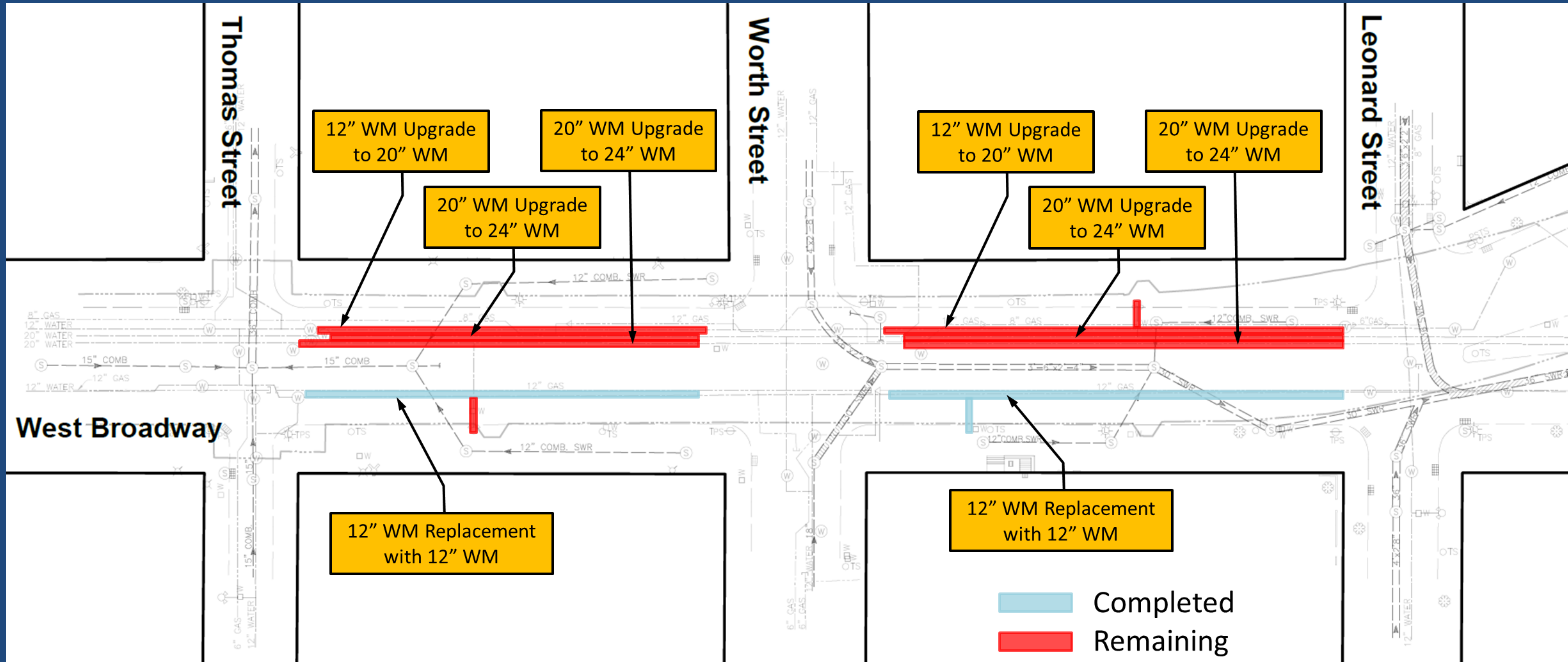
## Remaining Work





# SEN002178 – Reconstruction of Combined Sewers in West Broadway

## Change Order Work Added to the Contract: Replacement of 4 Water Mains

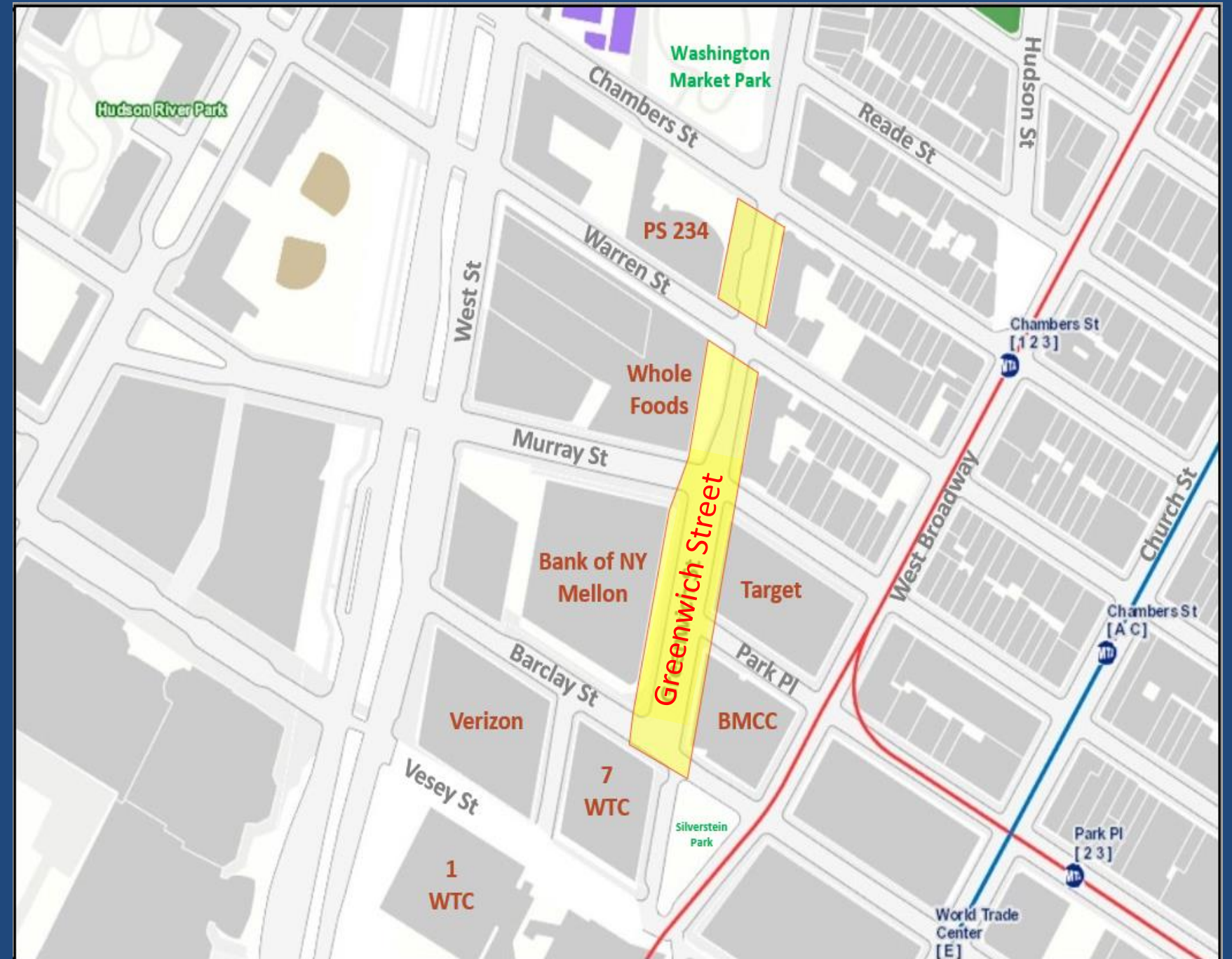




# HWMWTCB2 – Reconstruction of Greenwich Street

## Scope of Work

- Roadway reconstruction including sidewalks, curbs & pedestrian ramps
- Curb alignment modifications
- Removal of trolley materials
- Street furniture, signs and pavement markings
- Water main work
- 950 LF of new Ductile Iron Pipe water main
- Streetlights and traffic signals
- Catch basins and sewer manholes
- Capital and interference joint bid utility work



Projected Completion Date: 11/06/2024  
% of Work Completed: 21%



# HWMWTCB2 – Reconstruction of Greenwich Street

## 1) Progress and Status

Time Elapsed 46.25%      Percent Complete 21%    (\$4.1M)

## 2) Project Schedule

### Next 4 Weeks:

- Greenwich St and Barclay St
  - Mass excavation
- Greenwich St and Murray St
  - Relocating utilities
- Greenwich St and Park Pl
  - Chute connection

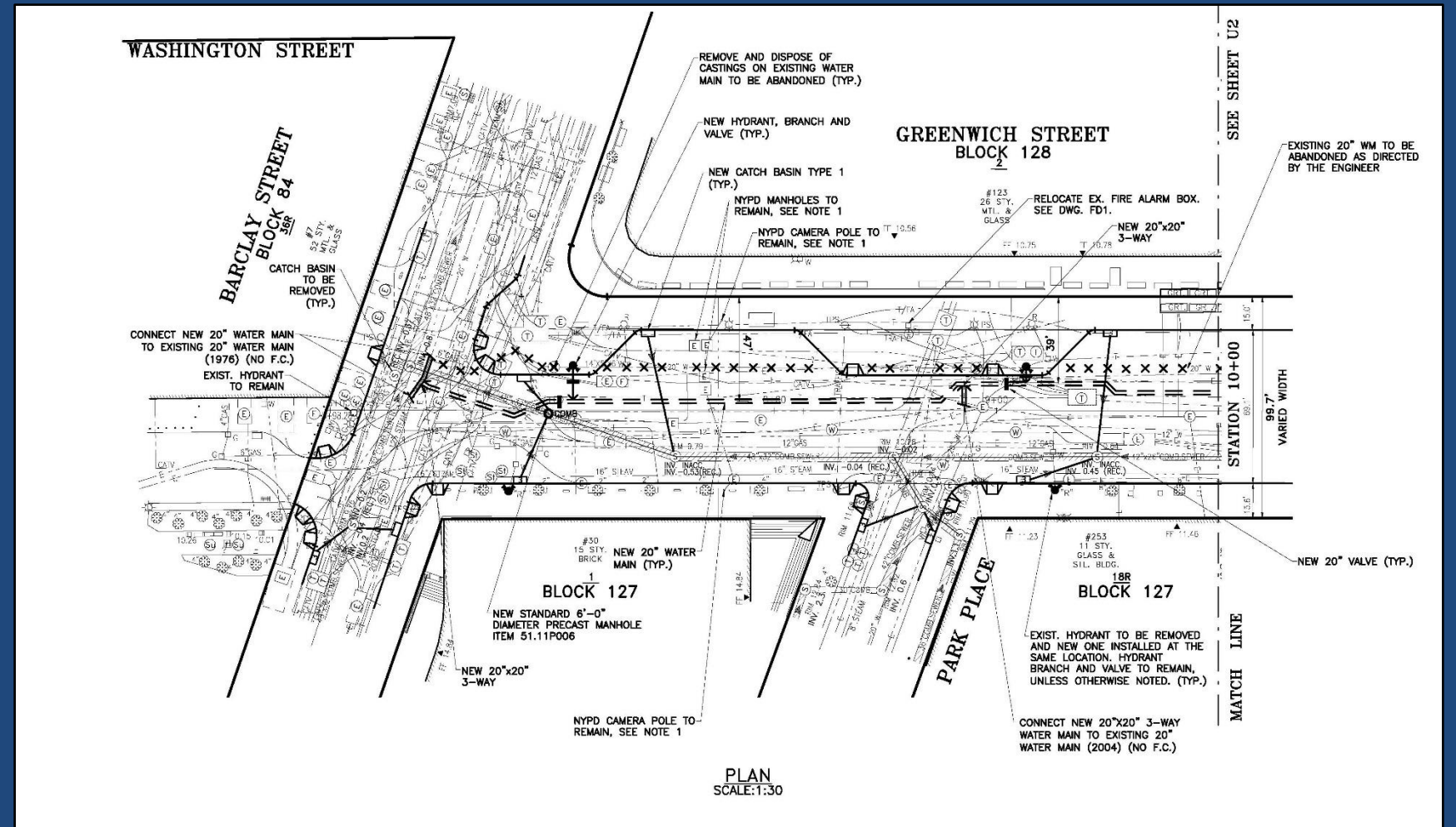
### Schedule Milestones:

Greenwich St Barclay St to Murray St

11/8/21 – 5/24/24  
31 months

Greenwich St Murray St to Chambers St

5/27/24 – 11/6/24  
5 months





# HWMWTCB2 – Reconstruction of Greenwich Street

Mass Excavation /  
Gas Main  
Replacement



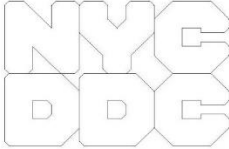
Utility Relocation  
for Water Main  
Installation





# SANDHW08 – Reconstruction of Front Street from John Street to Old Slip

FEDERAL ROAD REGISTRATION NO.	STATE	FEDERAL AID PROJECT NO.
	NEW YORK	X777.46

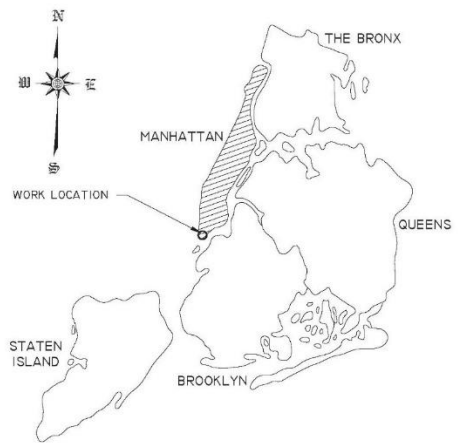
**Department of  
Design and  
Construction**

DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

PROJECT ID: SANDHW08  
RECONSTRUCTION OF  
**FRONT STREET**  
FROM OLD SLIP TO JOHN STREET

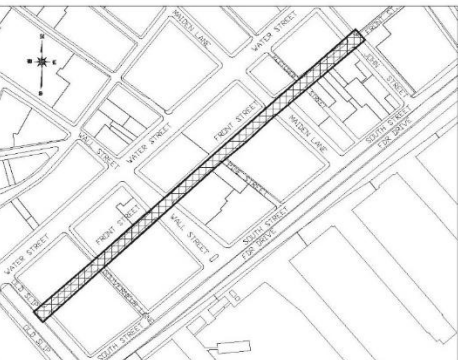
INCLUDING STREET RECONSTRUCTION, STREETSCAPING, STREET LIGHTING,  
AND TRAFFIC SIGNAL WORK

TOGETHER WITH ALL WORK INCIDENTAL THERETO



WORK LOCATION

BOROUGH OF MANHATTAN  
CITY OF NEW YORK



LOCATION PLAN  
N.T.S.

PROJECT SITE

COMMUNITY BOARD NO. 1

FINAL DESIGN PREPARED BY:  
URS CORPORATION - NEW YORK  
605 THIRD AVE. 2ND FLOOR  
NEW YORK, NY 10158

TOURAJ TERREH  
P.E. NO. 000545-1  
DATE 2/20/19

0 1 2 3 4  
ORIGINAL SIZE IN INCHES

ERIC TAN, DEPUTY COMMISSIONER  
2-8-19  
DATE

Michael Pargament, P.E.  
02/07/19  
DATE

HOW SHEEN PAUL, P.E.  
02/07/2019  
DATE

REVIEWED AND APPROVED BY:

ASB  
2/7/19  
DATE

Lindsay Burkholder  
2/7/19  
DATE

NO.	DATE	DESCRIPTION	BY	APPROVED
1	2/7/19	REVISIONS		

PROJECT ID: SANDHW08 | DATE: FEBRUARY 2019 | SHEET 1 OF 24 | TLU

PROJECT ID: SANDHW08

## Scope of Work

- Six (6) blocks full roadway Reconstruction
- Curb and Sidewalk
- ADA Ramps
- Catch Basins and Chutes
- Hydrants
- Streetlight and Traffic Signal including APS
- ConEd, ECS, and Charter/Spectrum Private work under JB-1.0
- Street Signs
- Tree Removal and pruning



# SANDHW08 – Reconstruction of Front Street from John Street to Old Slip



## Work Completed to Date

- 9,605 LF of ConEd Electric Conduit runs
- Rebuild 6 ConEd Electric Manholes
- Abatement of Steam mains and re-installation of housing in 2 locations
- Relocation of Steam Anchor in interference with catch basin
- Installation of 5 new catch basins, 1 new manhole and associated chute connections
- Installation of 2 new sewer manhole and replacement of 2 sections of sewer due to damage by ConEd's steam main
- Lowering existing 12" watermain in the intersection of Gouverneur Lane and Front Street
- Removing 4 blocks of trolley on Front Street between Old Slip and Pine Street





# SANDHW08 – Reconstruction of Front Street from John Street to Old Slip

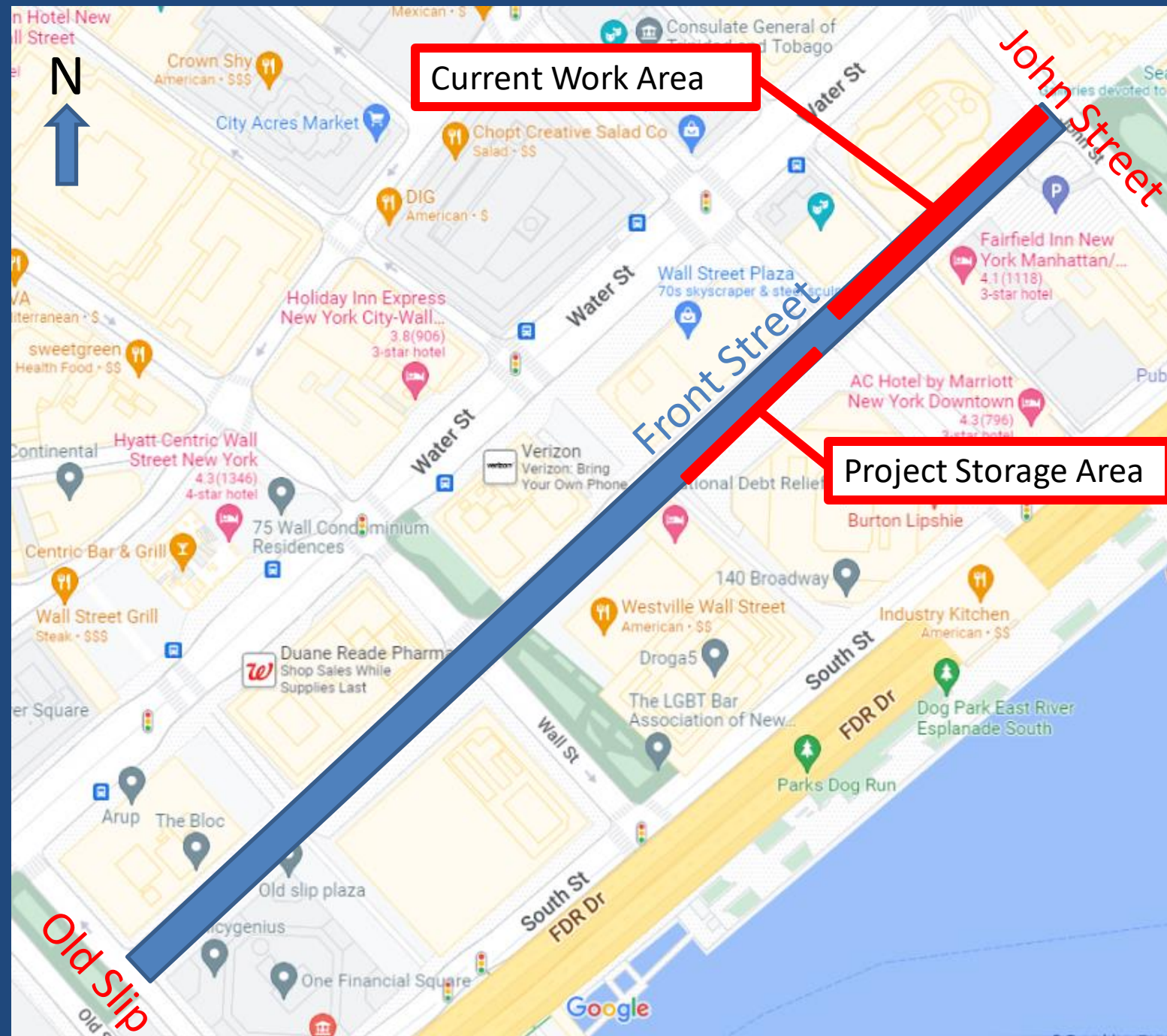


## Field Condition Encountered

- Top of existing 48" Brick sewer found collapsed where existing 12" DIP WM was installed.
- Existing 12" DIP watermain crossing sewer with 17" cover and has 8 bends located within the intersection.



# SANDHW08 – Reconstruction of Front Street from John Street to Old Slip



## Current Operation

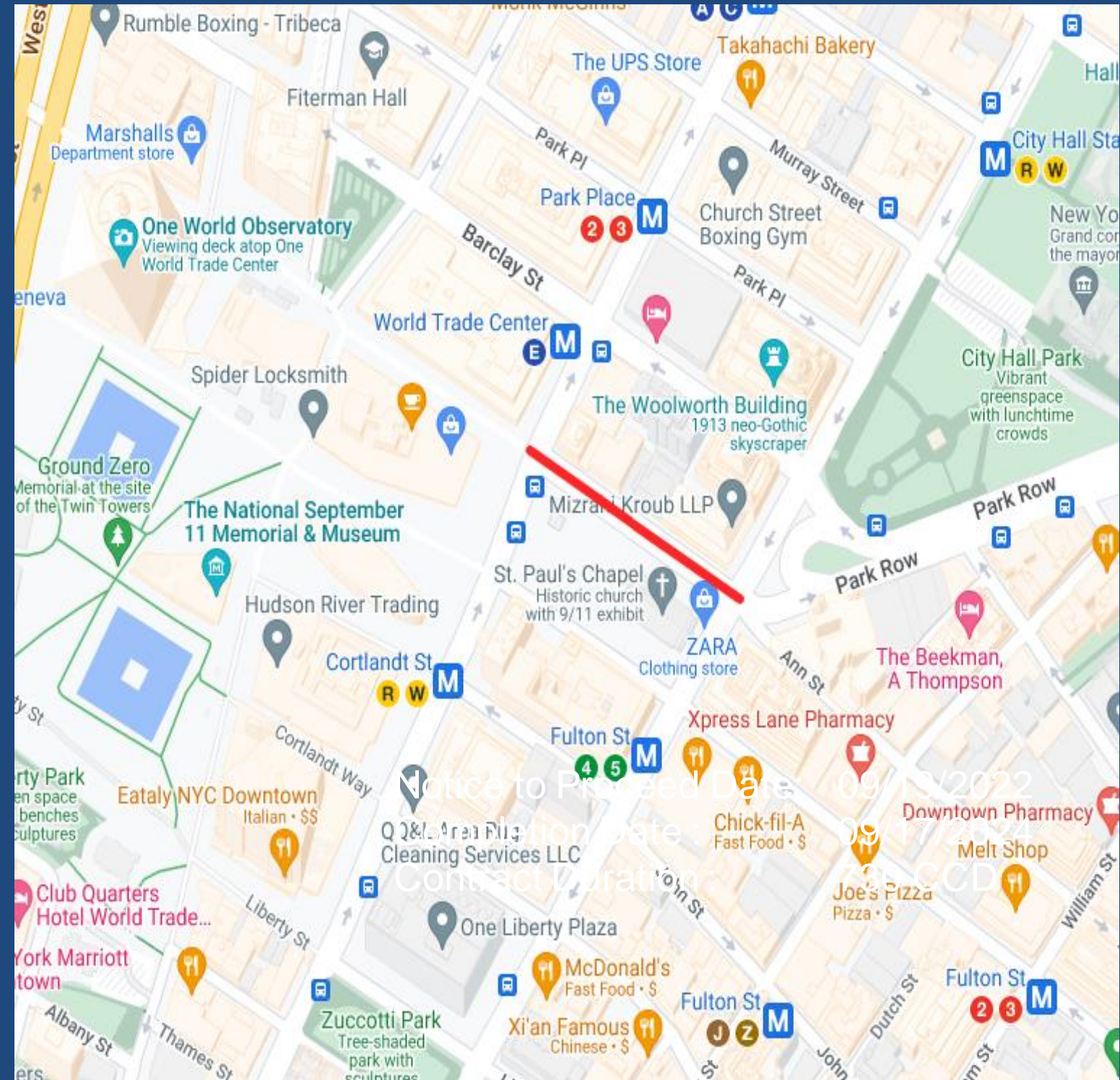
- Relocation of Con Edison Gas facilities in the intersection of Front Street & John Street
- Relocation of existing utilities in preparation for final roadway restoration
- Installation of catch basins, manholes, and chutes between Wall Street and John Street.

## Work Remaining

- Repair sewer and install new sewer manhole(s) at Maiden Lane.
- Install catch basins (26 total, 8 installed, 18 to go) and associated chute connections
- Curb & Sidewalk replacement for 6 blocks
- Street Lighting and Traffic Signal construction and installation.
- Full roadway reconstruction for 6 blocks (1 block of cobblestone in Historical District-between Fletcher Street and John Street)

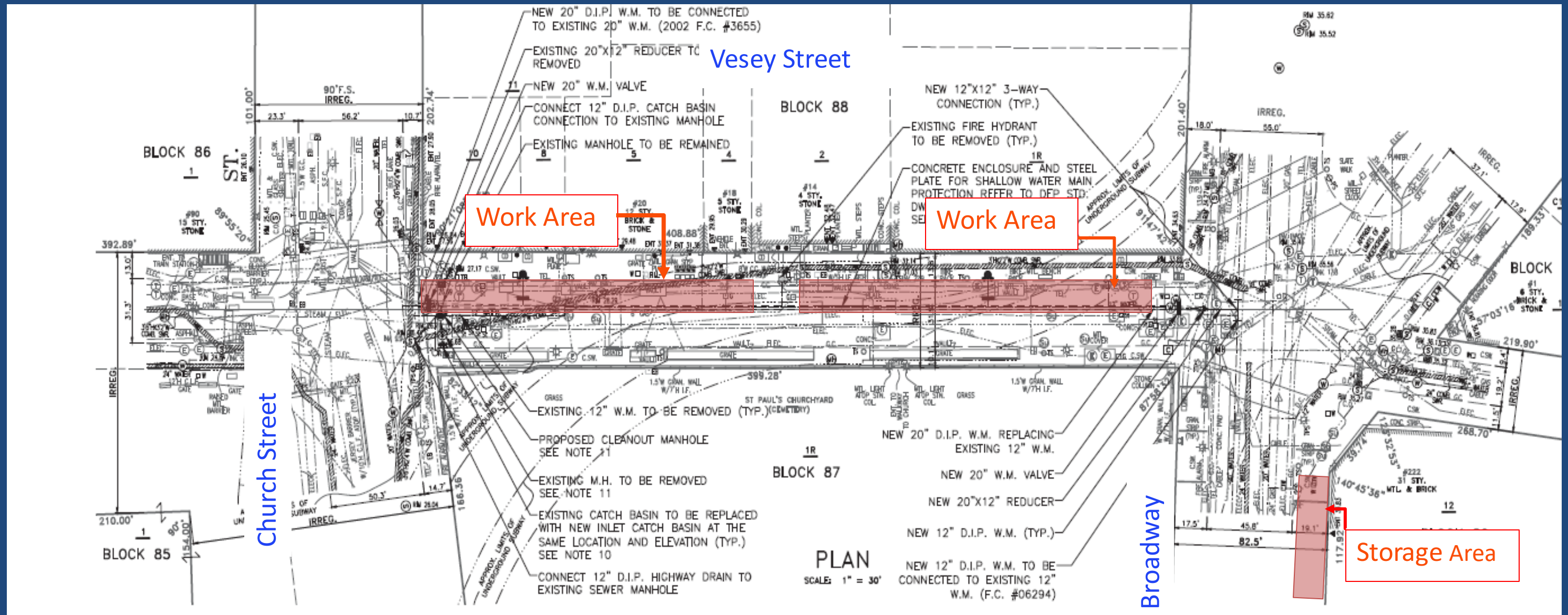


# HWMWTCB6 – Reconstruction of Vesey Street





# HWMWTCB6 – Reconstruction of Vesey Street



## Scope of Work

- Installation of catch basins
- Installation of sewer cleanout manhole
- Water main upgrade
- Private utilities upgrades
- Street lightning and traffic signals work
- 6" granite curb installation
- Pigmented sidewalk installation
- Pedestrian ramps upgrades



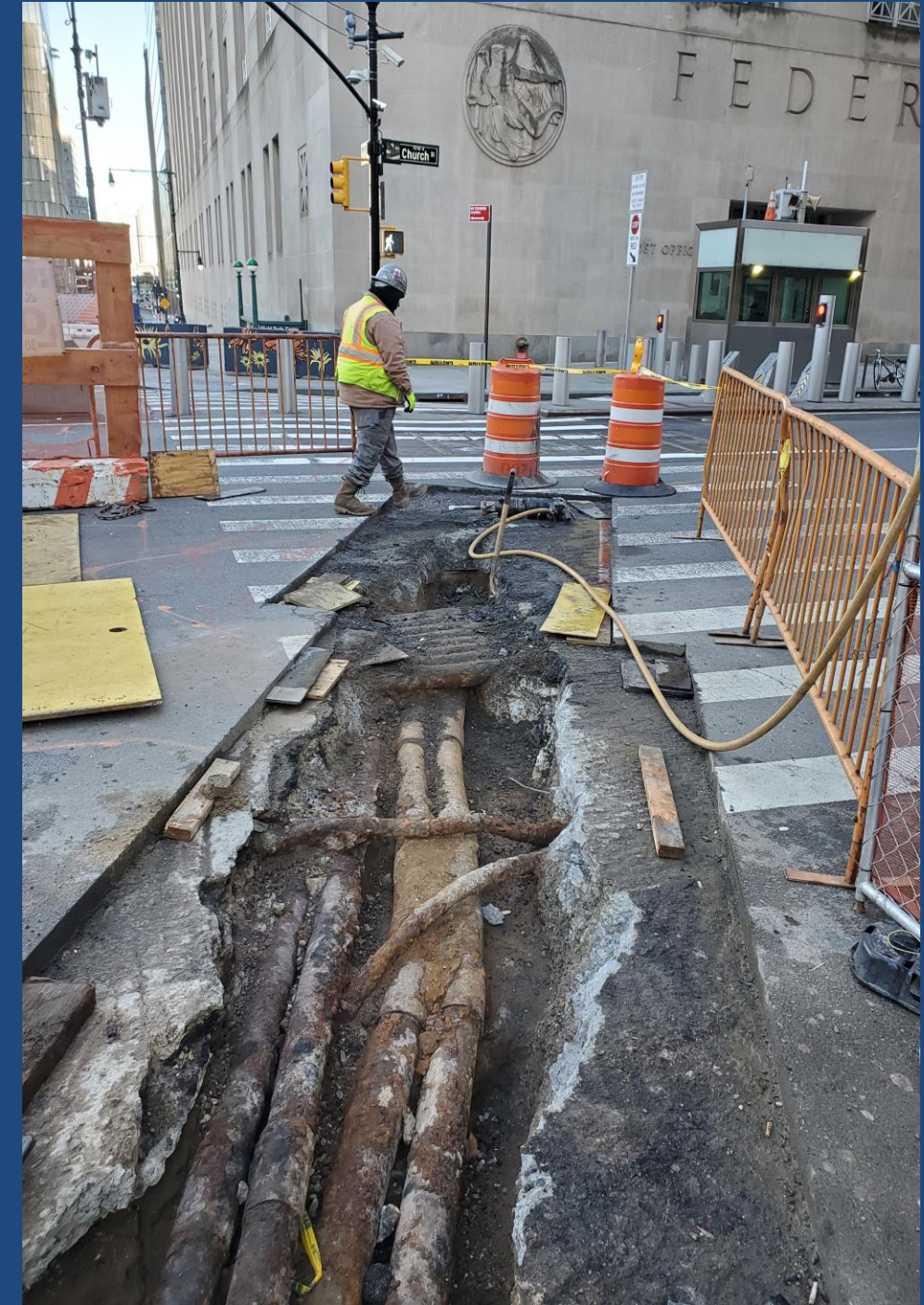
# HWMWTCB6 – Reconstruction of Vesey Street



Cast in Place Catch Basin



Steam Service Housing



Locating 2-5” Electrical Conduits



# HWMWTCB6 – Reconstruction of Vesey Street



Installation of 8" Steel Gas



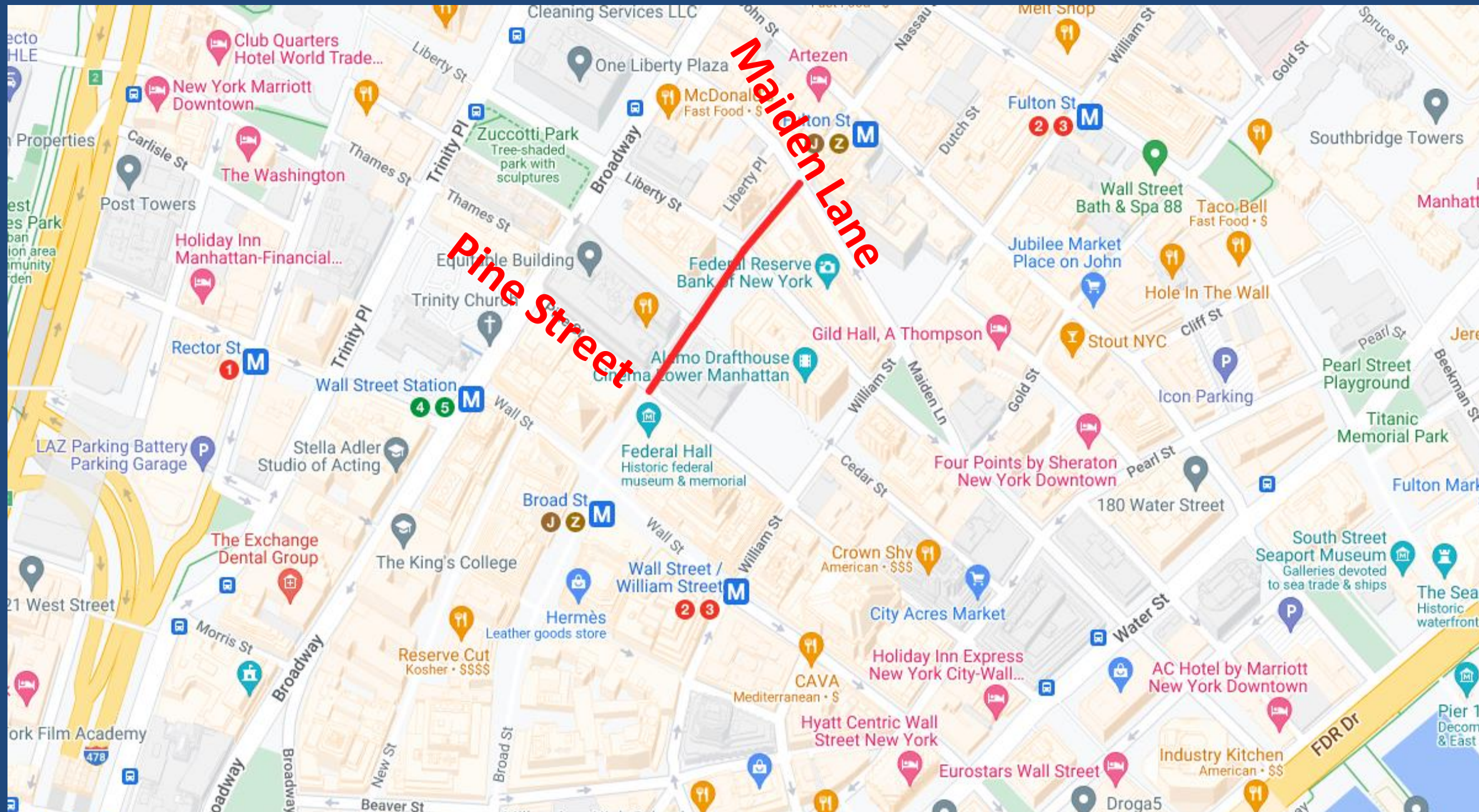
Removal of Electrical Cables



Removal of 4" Electric Conduits

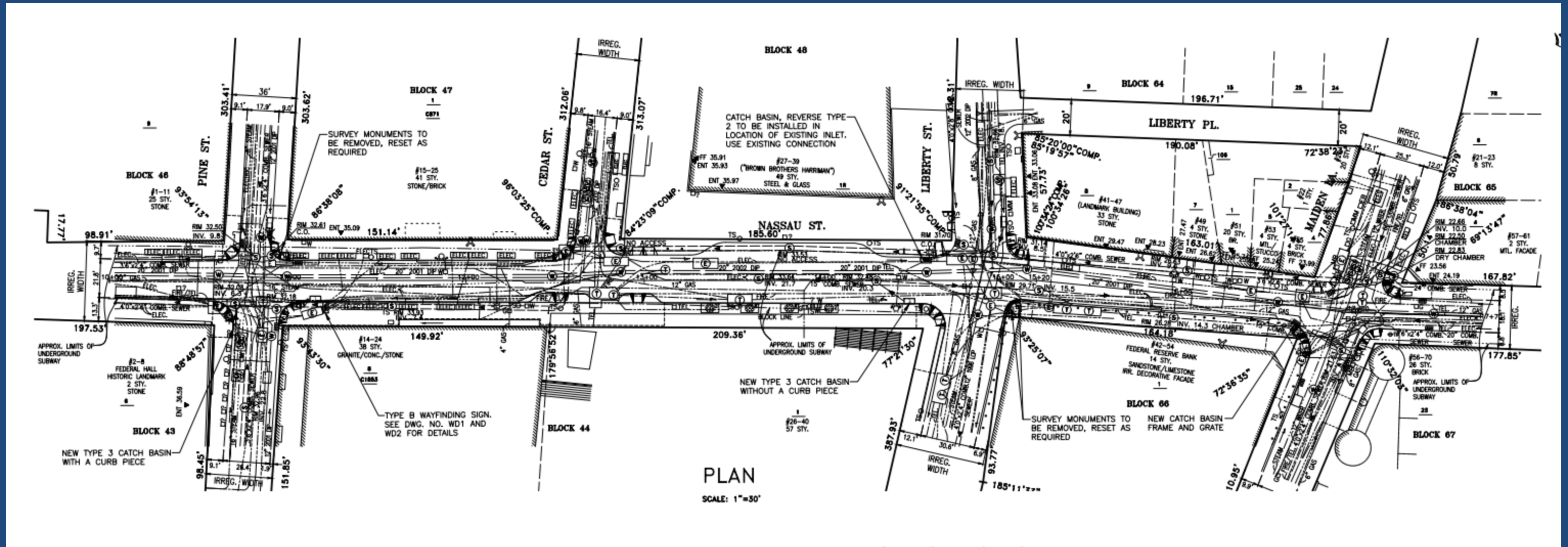


# HWMWTCB1 – Nassau Street Reconstruction





# HWMWTCB1 – Nassau Street Reconstruction

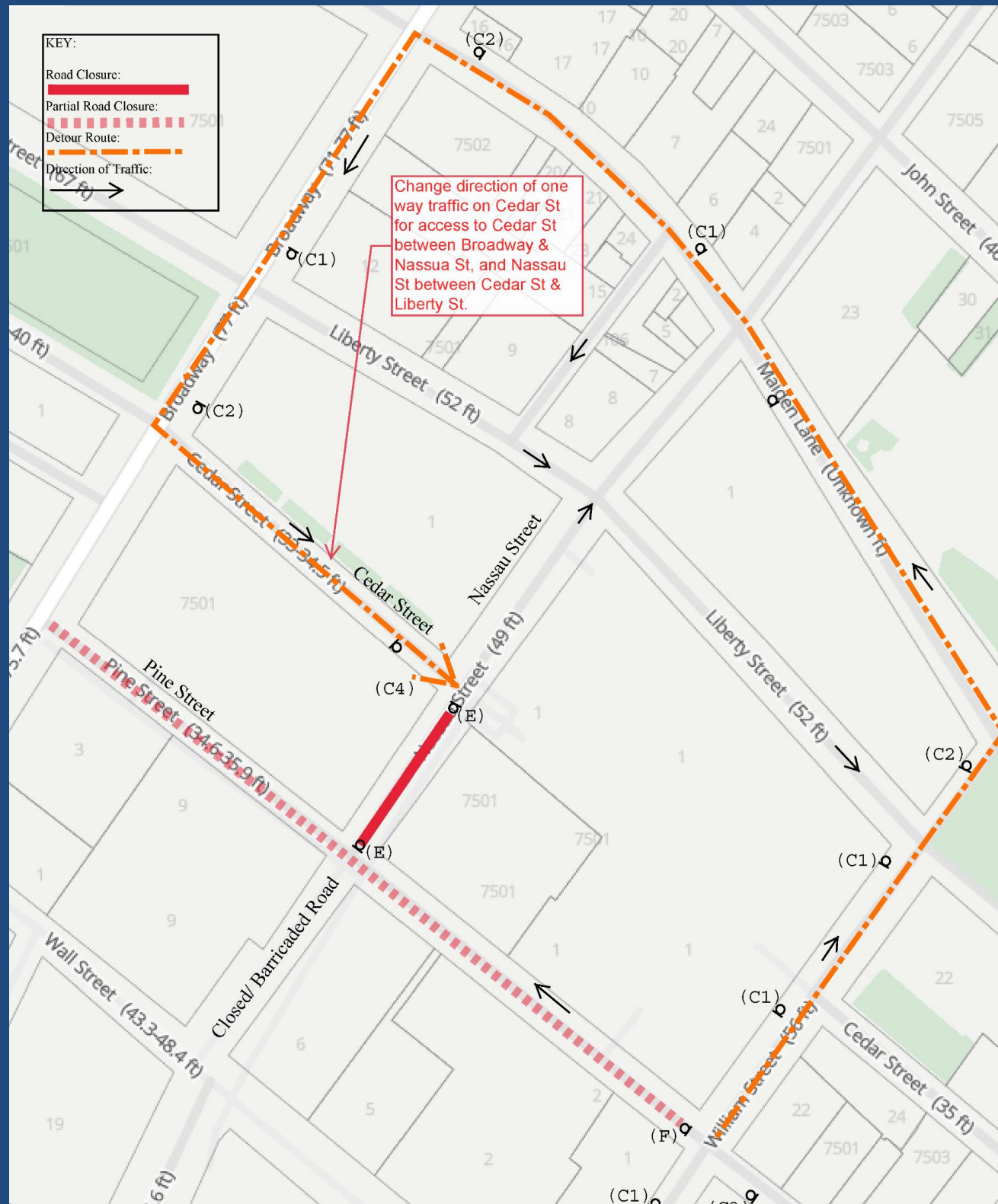


## Scope of Work:

- Three (3) blocks Full Roadway Reconstruction
- New Granite Curbs and Sidewalks
- ADA Ramps
- Catch Basins
- Wayfinding Sign
- Streetlight
- Installation of New 9" Concrete Road Base with 3" Asphalt Top
- New Sidewalk Bump Out on the East side of the Nassau St & Cedar St Intersection
- ConEd and ECS Private work under JB-1.0



# HWMWTCB1 – Nassau Street Reconstruction



## 1) Projected Start Date

- April/ May 2023

## 2) Initial Work Activities

- Test Pits for ConEd and ECS Utilities at various locations along Nassau Street
- Utility work on Nassau Street between Pine Street and Cedar Street

## 3) Proposed Street Closures/ Detours

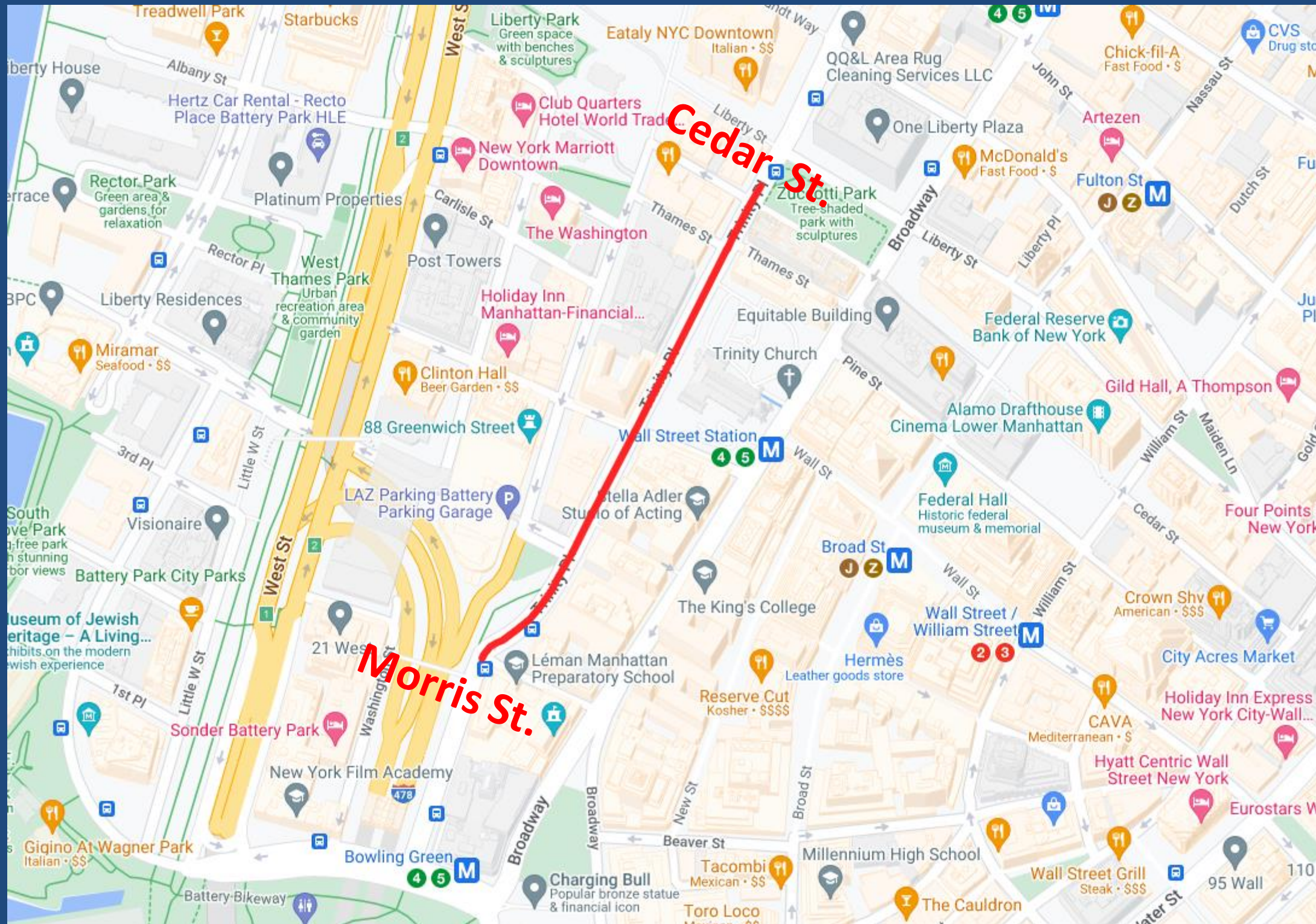
- Full roadway closure of Nassau Street btwn Pine Street and Cedar Street
- Access for local and emergency traffic maintained at all times
- Pedestrian access maintained at all times
- Detour at William St. around Maiden Lane for non-local/ emergency traffic



# Upcoming Project



# HWMWTCB7 – Reconstruction of Trinity Place





# HWMWTCB7 – Reconstruction of Trinity Place



FEDERAL ROAD REGISTRATION NO.	STATE	FEDERAL ID NO. PROJECT NO.
	NEW YORK	X759 29

DIVISION OF INFRASTRUCTURE  
BUREAU OF DESIGN

PROJECT ID: HWMWTCB7

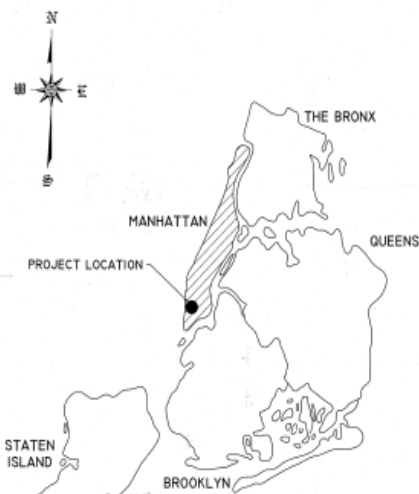
## RECONSTRUCTION OF TRINITY PLACE

FROM MORRIS STREET TO CEDAR STREET

INCLUDING COMBINED SEWER, STREET LIGHTING, TRAFFIC SIGNALS,  
AND PRIVATE UTILITIES WORK

TOGETHER WITH ALL WORK INCIDENTAL THERETO

BOROUGH OF MANHATTAN  
CITY OF NEW YORK



LOCATION PLAN  
N.T.S.  
COMMUNITY BOARD NO. 1

*[Signature]* 1/14/22  
DATE  
*[Signature]* 1/14/22  
DATE  
*[Signature]* 01/14/22  
DATE  
REVIEWED AND APPROVED BY:  
*[Signature]* 01/14/22  
DATE  
ENGINEER IN CHARGE

WARNING:  
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSE PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF A SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

UPON COMPLETION OF THE PROJECT ALL POST CONSTRUCTION MAINTENANCE WILL BE PERFORMED BY THE CITY OF NEW YORK (SEE GENERAL NOTE 1.06)

NO.	DATE	DESCRIPTIONS	BY	APPROVED
REVISIONS				
PROJECT ID: HWMWTCB7 DATE: DECEMBER 2021 SHEET 1 OF 64				

## Scope of Work

- Four (4) blocks full roadway Reconstruction
- Replacement of 15" Combined Sewer and three (3) manholes
- Curb and Sidewalk
- ADA Ramps
- Catch Basins
- Hydrants
- Streetlight and Traffic Signal including APS
- ConEd and ECS Private work under JB-1.0
- Wayfinding Sign
- City Benches and Transit Leaning Bar
- Tree Removal and pruning



# Thank You!



**Department of  
Design and  
Construction**