
Installation of Trunk Water Main along West 48th Street

[including work on 49th St., 51st St., 9th Ave and 10th Ave]

LEAD Project ID: MED609

Project ID: MED599

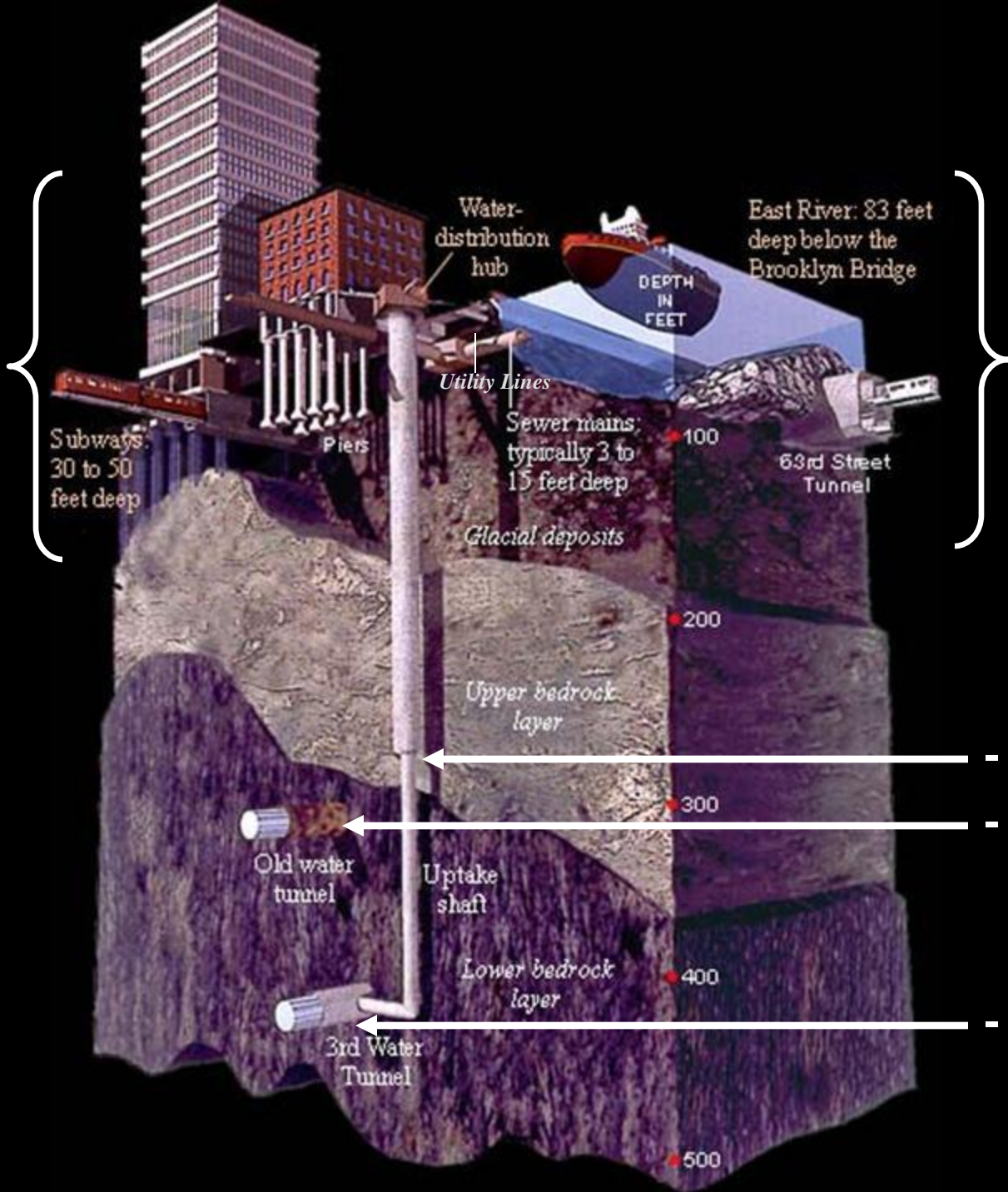
Summer 2012 – Spring 2017

CB #4
Public Meeting

May 23, 2012

WHY IS THIS PROJECT NECESSARY?

-
- ✓ New York City's water distribution infrastructure is aging and in need of repair and upgrades.
 - ✓ To accomplish this, the City of New York has constructed a new water tunnel, City Tunnel No. 3.
 - ✓ The W. 48th Street project is one of 11 such planned projects in Manhattan that will connect new shaft distribution chambers to City Tunnel No. 3.
 - ✓ Upon completion of these chambers, the City will be able to activate sections of the new tunnel #3 and begin rehabilitating City Tunnel Nos. 1 & 2.



Many interferences under New York City streets

- Shaft approx. 450 ft depth

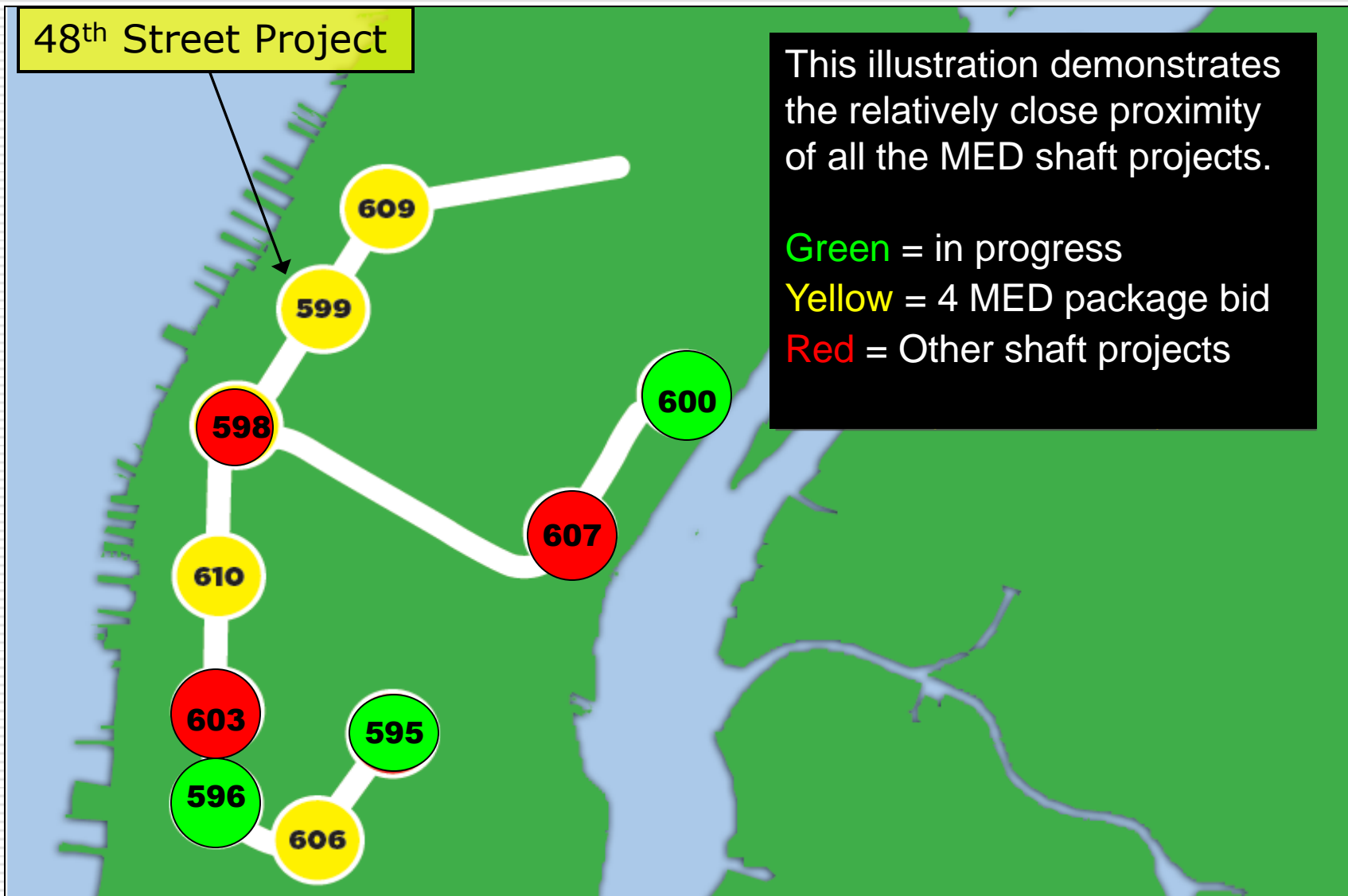
- Old water tunnel

- 3rd Water Tunnel



CONNECTING TO 3RD WATER TUNNEL SHAFTS

CRITICAL PROJECTS



Project ID: MED599

PROJECT SCHEDULE & SCOPE OF WORK

- Summer 2012 – Spring 2017
- Estimated construction duration is 2,005 Consecutive Calendar Days (CCD) or approximately 5 ½ years.

PROJECT SCHEDULE



	2012				2013				2014				2015				2016				2017	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q
W. 48th St. - MED599																						
Critical Phase																						
Other Phases																						

** Start date is tentative based on contract registration by the Office of Mangament and Budget*

-
- Connect to 3rd Water Tunnel Shaft

 - New trunk and distribution water mains
Including:
 - 48", 36" and 30" trunk mains
 - 24", 20" and 12" distribution mains
 - Valves, regulators & chambers

-
- Installation of 48", 36" and 16" sewer pipe
 - Private utility upgrades
 - Pedestrian ramps at corners (based on field conditions)
 - Reconstruction of curbs & sidewalks in certain locations (some areas will be pigmented concrete and granite curb)
 - Some new traffic signal and street lighting poles

WHERE WILL THE WORK BE PERFORMED



NEW YORK CITY DEPARTMENT OF
DESIGN + CONSTRUCTION

PROJECT LOCATION:

Community Board boundary:



INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599

Next 2-4 weeks

- Test pits 48th between 10th and 9th avenues
- Rodent baiting
- Tree pruning
- Establish contractor storage areas

Summer 2012

Phase I

- Existing sewer replacement 48th street between 8th avenue and Broadway and between 9th and 10th avenues
- New 20 inch water main installation on 48th between 8th and Broadway
- 48 inch trunk main excavation intersection of 48th and 10th avenue.

Phase II

- Existing sewer replacement 51st street between 9th and Broadway
- Replacement



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DESIGN + CONSTRUCTION

PROJECT LOCATION:
STARTING WORK LOCATIONS:



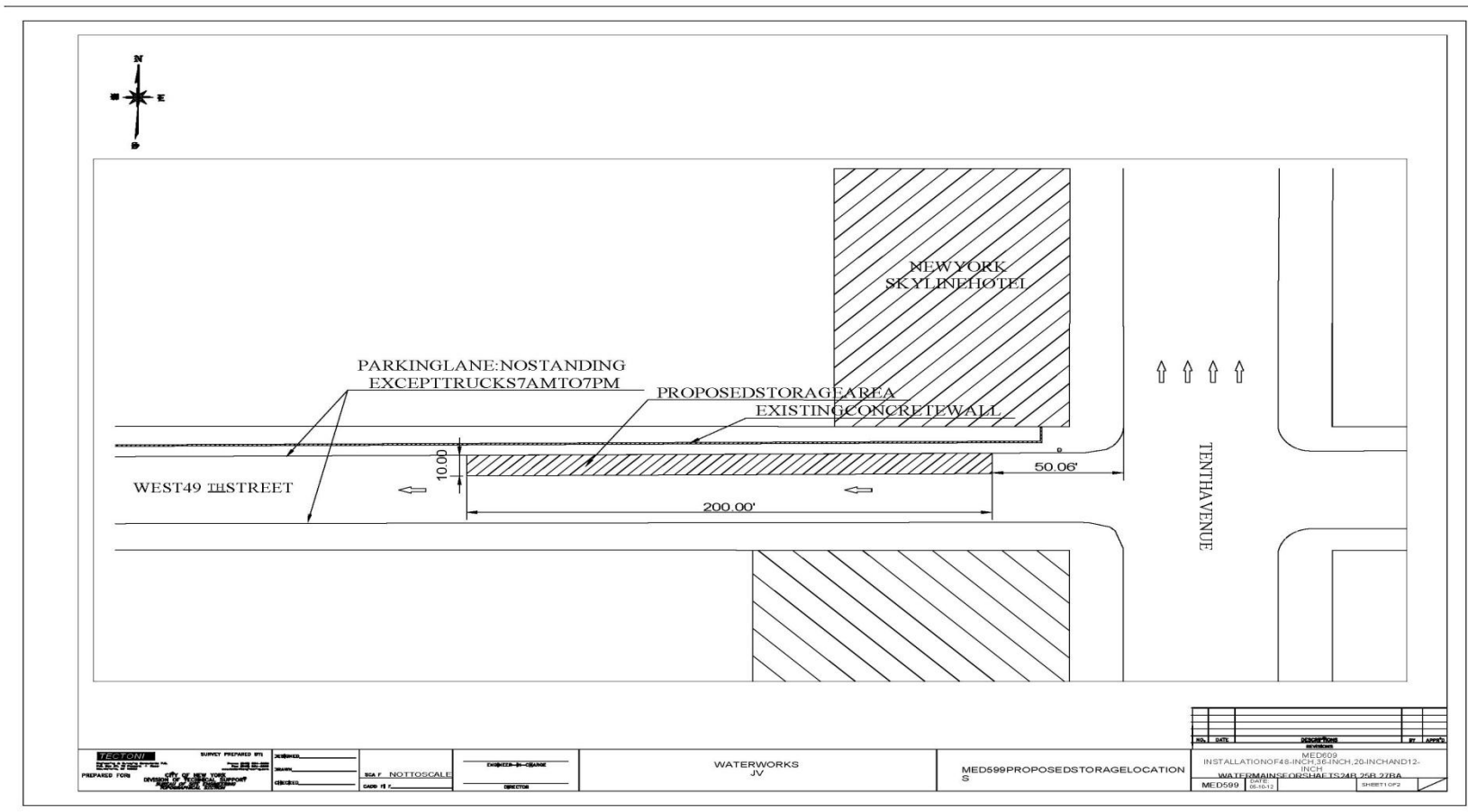
Community Board boundary:



INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599



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DESIGNED BY: [Redacted]
 PREPARED FOR: [Redacted]

DESIGNED BY: [Redacted]
 CHECKED BY: [Redacted]
 DATE: 11/11/12

ENGINEER-IN-CHARGE: [Redacted]
 DIRECTOR: [Redacted]

WATERWORKS
JV

MED599 PROPOSED STORAGE LOCATION
S

NO.	DATE	DESCRIPTION	BY	APP'D.

MED599
 INSTALLATION OF 48-INCH TO 60-INCH, 20-INCH AND 12-INCH
 WATER MAINS ON 234th ST, 235th ST & 236th ST
 MED599 08/12/12 SHEET 1 OF 2

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599

Storage Location West 48th Street Between 10th and 11th Avenue.



INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
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CONSTRUCTION PHASING

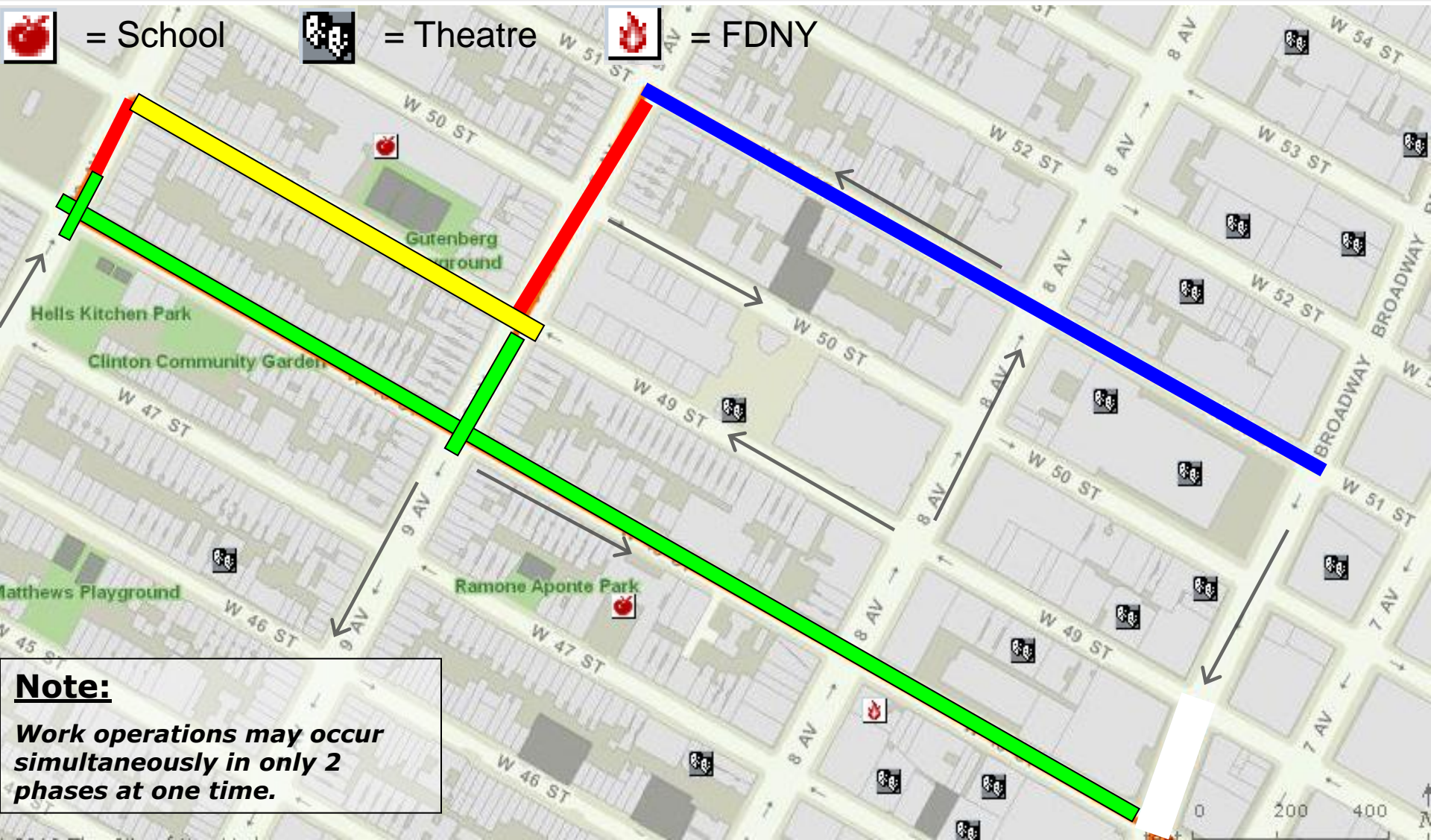


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CONSTRUCTION PHASING

Phase I =  Phase II =  Phase III =  Phase IV = 

 = School  = Theatre  = FDNY



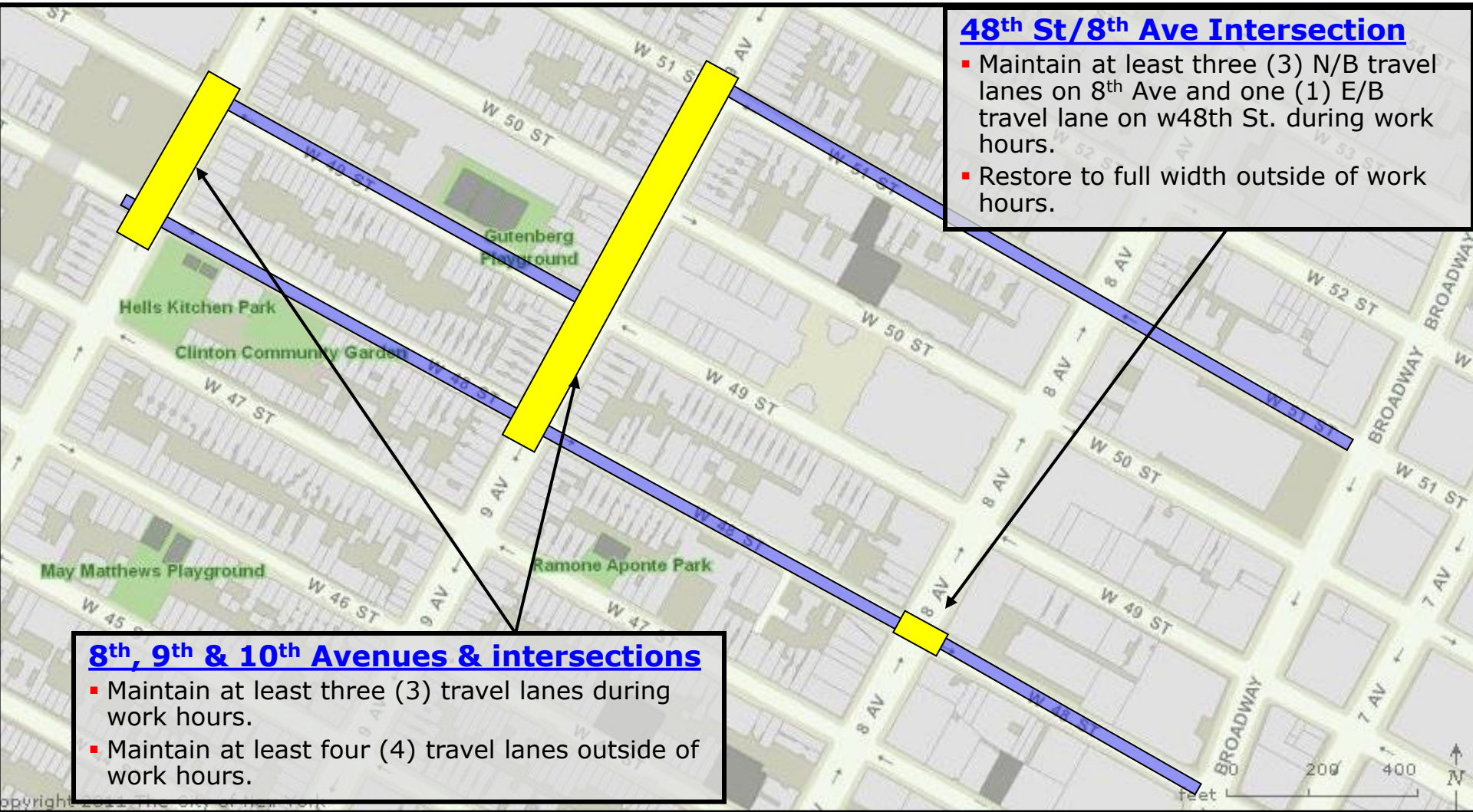
Note:
Work operations may occur simultaneously in only 2 phases at one time.

PRELIMINARY SCHEDULE: WORK HOURS / SPECIAL NOTES

-
- 7AM – 10PM: Monday – Friday (*Allowable Hours*)
 - 8AM – 6PM: Saturday & Sunday (*Allowable Hours*)
 - **Typical weekday work hours are 7AM to 3:30PM**

TRAFFIC PATTERNS DURING CONSTRUCTION

TRAFFIC PATTERNS DURING CONSTRUCTION





TRAFFIC PATTERNS DURING CONSTRUCTION



W.48th St.: 10th – 9th aves.

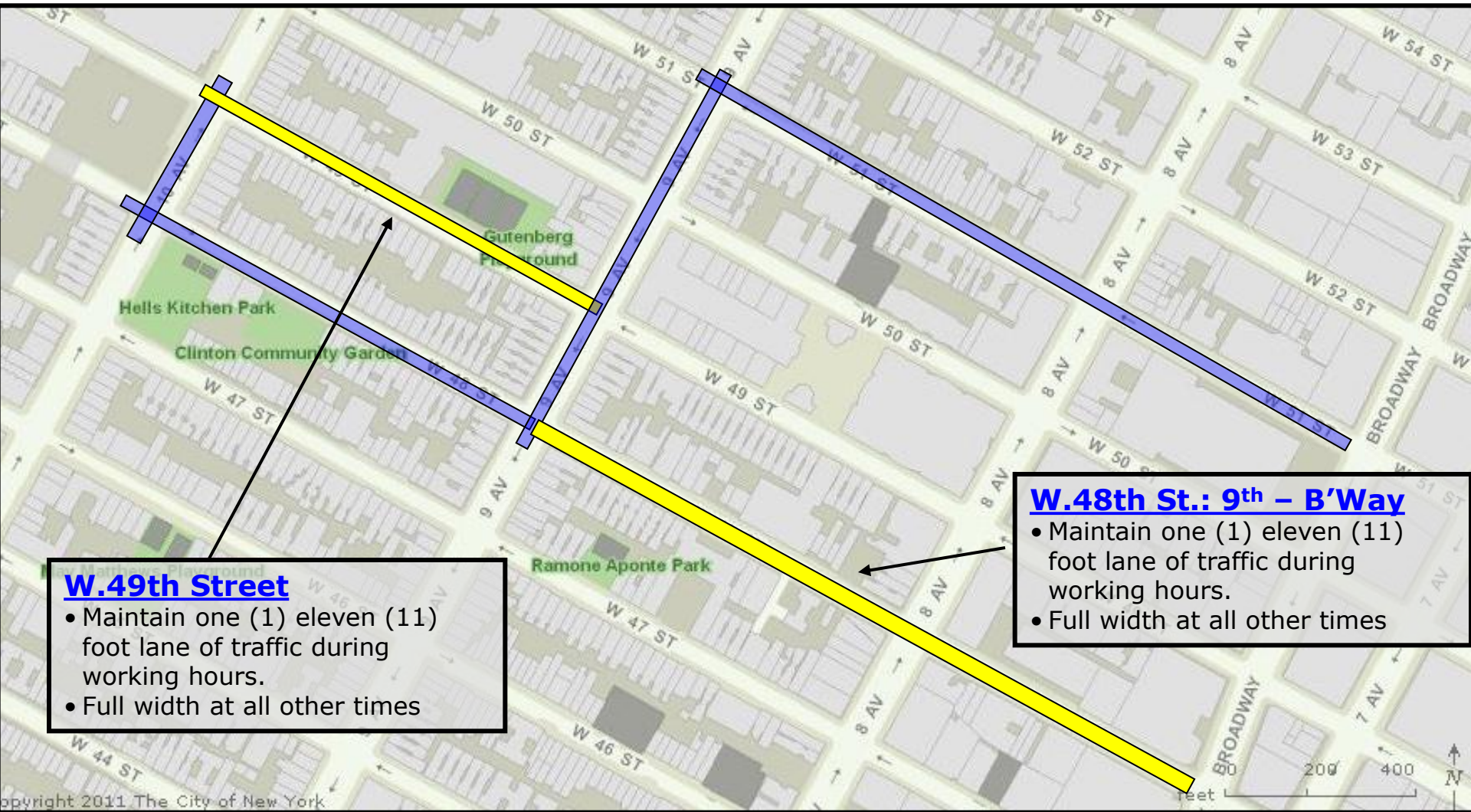
- Maintain one (1) eleven (11) foot lane of traffic at all times.

W.51st St.: 9th – B'Way

- Maintain one (1) eleven (11) foot lane at all times.



TRAFFIC PATTERNS DURING CONSTRUCTION



W.49th Street

- Maintain one (1) eleven (11) foot lane of traffic during working hours.
- Full width at all other times

W.48th St.: 9th – B'Way

- Maintain one (1) eleven (11) foot lane of traffic during working hours.
- Full width at all other times

-
- Traffic mitigation personnel, proper signage and MPT will be installed in/around the construction area to alert and direct motorists.
 - This includes:
 - ✓ Traffic Enforcement Agents (TEA's)
 - ✓ Variable Message Signs (VMS)
 - ✓ Video Cameras for traffic monitoring

SPECIAL EVENTS DURING CONSTRUCTION

(a) Under Capital Project No. MED599-RR: W. 48th St

4 th Weekend in the month of April	Earth Day 40 At the Crossroads of the World
3 rd weekend in the month of May	Ninth Avenue Food Association – 9 th Avenue Food Festival
4 th Weekend in the month of May	Coalition of Italo-American Association – Times Square Fair
3 rd Weekend in the month of June	NY Young Republicans – Times Square Expo
5 th Weekend in the month of July	Congress of Racial Equality – C.O.R.E. Health Expo
5 th Weekend in the month of August	The Big Apple Performing Arts Festival
2 nd Weekend in the month of September	21 st Annual NYC Tour
3 rd Weekend in the month of September	The Guardian Angels – Times Square Guardian Angels Fair
3 rd Weekend in the month of September	47 th Street Block Association Et Al
2 nd Weekend in the month of October	Midtown North community Council – 8 th Avenue Autumn Carnival
4 th Weekend in the month of October	Holy Innocents Church – Times Square Autumn Carnival

COMMUNITY IMPACTS & WHAT TO EXPECT

Office of Community Outreach & Notification

- ❑ Pedestrian access to buildings will be maintained at all times.
- ❑ MTA Bus stops (**M11, 20, 50, 104**) may need to be relocated within construction zones. (advanced notice will be given)
- ❑ Uniformed NYPD Traffic Agents assigned for traffic control.
- ❑ Certain operations will be noisy; DDC will monitor operations and work within DEP Noise Code regulations.
- ❑ Merchant deliveries and drop-offs may be affected. Coordination will be necessary in some areas and addressed on a case by case basis (CCL will be in contact with those affected).

Office of Community Outreach & Notification

- ❑ Driveway/loading dock access may be temporarily restricted while a street is under construction (coordination will be arranged on a case by case basis).
- ❑ Parking may be temporarily restricted
 - Signs will be posted where necessary and advance notification provided.
- ❑ Garbage/Trash pick up will be affected. CCL will assist with coordination between public and DOS or Private Carters



Coordination will be necessary with area loading docks which are very active in this area.

Hotels



Trash pick up areas



Within project limits of W.48th Street Project (MED599)

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599

Office of Community Outreach & Notification

Water Service Interruptions:

- Prior day advance notice will be provided
- Specific instructions will be provided prior to water shutoff
- If your water service is not restored within 3 hours of the time indicated on the Shutoff Notice, please contact the Community Construction Liaison (CCL) or 311 if after hours.

Special Needs:


- Individuals with special needs should contact the CCL
- DDC field staff will work specifically with those individuals to minimize the inconvenience

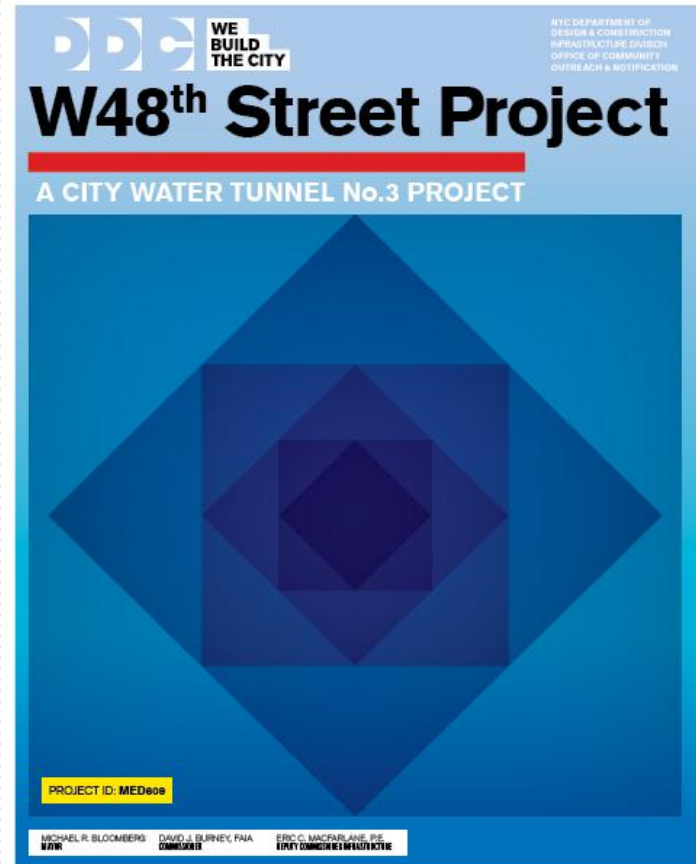
Office of Community Outreach & Notification

Rodent Control:

- Rodent Control Stations will be maintained by a professional rodent control contractor. A second and unaffiliated professional rodent control contractor will be retained for the sole purpose of monitoring the extermination activities performed by the first contractor.

Office of Community Outreach & Notification

- On-Site Community Construction Liaisons
- Consistent communication with Community Boards and other stakeholders (Residents, Businesses, BID, Tenant Associations, etc.)
- Brochure 
- Daily Bulletins
- Special Advisory Notices
- E-mail Alerts
- Newsletters



INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
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Office of Community Outreach & Notification

Example of OCON outreach materials

Bi-Monthly Newsletter

DDC NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION

SPONSORING AGENCIES
NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION
DEP/DOE

RECONSTRUCTION NEWSLETTER
OFFICE OF COMMUNITY OUTREACH AND NOTIFICATION

Borough: Manhattan July/August 2011

FULTON STREET RECONSTRUCTION PROJECT
Project ID#: HWWHTCA6B

WET CONNECTION OCCURS WITHOUT A GLITCH
Following an initial test for lower Manhattan (the existing NYC Department of Design + Construction installed a 20" manhole on an existing 48" reinforced concrete steel water main. This iterative procedure will be used at other sites of service interruptions located within a grid from its proximity to existing water mains in the future. After each test at the intersection of South 4th Street, the 20" manhole was installed in the existing 48" pipe, which leads a number of distribution mains in lower Manhattan. [See photo on slide.](#)

PROJECT STATUS
Reconstruction is concentrated in the following areas:

- Between Canal Street and Fulton Street
- Between Canal Street and Canal Street

The contractor will continue to install curb and sidewalk, install water main, perform utility work, roadway reconstruction and work to install installation lighting and along the 48" Fulton St.

WORK COMPLETED
During May and June the following work was completed:

- **Installation of 20" manhole at Canal Street**: Approx. 1,200 sq ft of sidewalk was installed along with 20" manhole and curb. In June both Don Edson and DDC manhole were completed as well as existing curb installation at the intersection of Canal and Canal Street.
- **Installation of 20" manhole at Canal Street**: Approx. 1,200 sq ft of sidewalk was installed in addition to installation of 20" manhole.
- **Installation of 20" manhole at Canal Street**: A curb and sidewalk was installed and the sidewalk between Canal and Canal Street was completed.
- **Installation of 20" manhole at Canal Street**: A curb and sidewalk was installed in May '11. Between Canal and Canal Street on 48" Fulton St. the 20" manhole was installed in June while 200' length of sidewalk was installed on the 48" Fulton St.
- **Fulton Street St. Installation**: Installation of a 20" manhole was completed on the 48" Fulton St. The 20" manhole was installed in a 7' diameter pipe and was installed by the same contractor and supplied to facilitate the contractor's return to work.

JULY/AUGUST 2011 WORK SCHEDULE

- **Installation of 20" manhole at Canal Street**: Curbside reconstruction, including sidewalk and lowering of utilities to accommodate the new sidewalk.

NEWS: RICHARD BLUMBERG, MANAGER | INFO: [WWW.DCD.ORG/OCN](http://www.dcd.org/ocn) | INFO: RICHARD BLUMBERG, MANAGER

Enhanced Brochure

DDC NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION

OFFICE OF COMMUNITY OUTREACH AND NOTIFICATION

WE BUILD THE CITY

PROJECT ID: HWWHTCA6B
SUMMER 2010 - SUMMER 2013

CHAMBERS STREET RECONSTRUCTION PROJECT

NEWS: RICHARD BLUMBERG, MANAGER | INFO: [WWW.DCD.ORG/OCN](http://www.dcd.org/ocn) | INFO: RICHARD BLUMBERG, MANAGER

Special Edition Newsletter

DDC NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION

OFFICE OF COMMUNITY OUTREACH AND NOTIFICATION

WE BUILD THE CITY

PHASE 2

PROJECT ID: HWWHTCA6B
SUMMER 2010 - SUMMER 2013

FULTON STREET RECONSTRUCTION PROJECT

DDC COMPLETES MAJOR SECTION OF FULTON STREET

The New York City Department of Design + Construction (DDC) is pleased to announce that as of December 2010, Phase 1 of the Fulton Street Reconstruction Project (between Church and Canal Streets) is substantially complete. Remaining work includes a utility relocation work, including a utility relocation of water main and a catch basin on the north side of Fulton near Church Street. A major milestone occurred on November 16, 2010, when the final signal timing software was installed on Fulton Street between Church Street and Canal Street.

DDC, which started reconstruction in the summer of 2007, is reconstructing Fulton Street between Church and Canal Streets and reconstructing between Church and Canal Streets. This work is part of an overall effort to reconstruct the Fulton Street Corridor. On this project, DDC is reconstructing street lights, curbs, sidewalks and installing "open completion" of the project, scheduled for spring 2011, the entire length of Fulton Street between Church Street and Canal Street and has been completely reconstructed.

To date, almost 4,000 feet of new water main have been installed and the length of approximately 10 NYC blocks. In addition, over 10,000 square feet of concrete have been poured to clear or fill over 100,000 square feet of curb cuts. DDC recently installed street lights including new street lights, curbs and sidewalks. New traffic lights, 17 sets of new traffic lights, were also installed. The other two main milestones are the installation of catch basins at Church Street.

NEWS: RICHARD BLUMBERG, MANAGER | INFO: [WWW.DCD.ORG/OCN](http://www.dcd.org/ocn) | INFO: RICHARD BLUMBERG, MANAGER

INSTALLATION OF TRUNK WATER MAINS IN W.48TH STREET Project ID: MED599



NEW YORK CITY DEPARTMENT OF
DESIGN + CONSTRUCTION

WHAT TO EXPECT



36" Trunk Main Installation, Lafayette Street Project

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599



INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599



NEW YORK CITY DEPARTMENT OF
DESIGN + CONSTRUCTION

WHAT TO EXPECT



36" Trunk Main Trench, Lafayette Street Project

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599

WHAT TO EXPECT

CONSTRUCTION MITIGATION

Recent examples



Hudson St. from Franklin to Beach

This decorative construction mesh was accomplished in partnership with the **Alliance for Downtown New York** (BID).



Hubert St. from Greenwich to Hudson

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599



NEW YORK CITY DEPARTMENT OF
DESIGN + CONSTRUCTION

WHAT TO EXPECT

CONSTRUCTION MITIGATION

Recent examples



*Take One Information Box on Park Place –
Manhattan*



Liberty Street – Manhattan



Houston Street – Manhattan

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
Project ID: MED599

Office of Community Outreach & Notification

- DDC has assigned Nadine Harris of LiRo Consulting, as the dedicated on-site Community Construction Liaison (CCL) to:
 - Keep stakeholders informed by being the first point of contact for the project
 - Identify/resolve issues
 - Provide regular updates/advisories

- CCL contact information: Nadine Harris
 - **Phone: 347-572-3057**
 - **Email: w48thstreetccl@gmail.com**
 - **Field Office: 646-738-4880 Ext 1007**

- DDC Website: **www.nyc.gov/buildnyc & www.youtube.com/newyorkcityddc**

- During Non-Working hours, please call 311 and give the Project ID:
MED609