
Installation of Trunk Water Main along West 48th Street

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

Project ID: **MED599**

Winter 2011/2012 – Winter 2016

CB #4
Transportation Committee

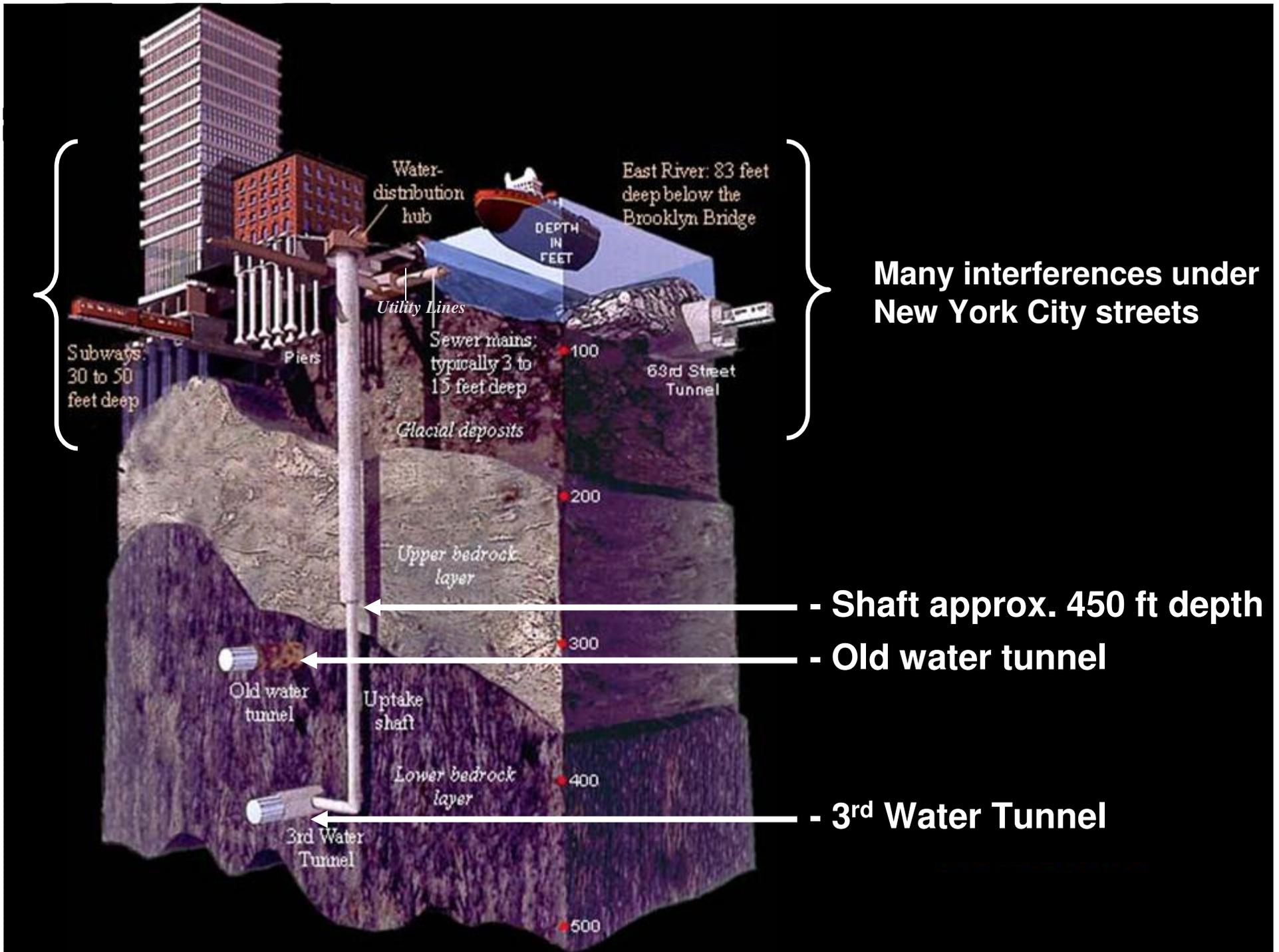
Oct 19, 2011

WHY IS THIS PROJECT NECESSARY?

DRAFT

CONNECTING TO 3RD WATER TUNNEL SHAFTS

- ✓ 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.



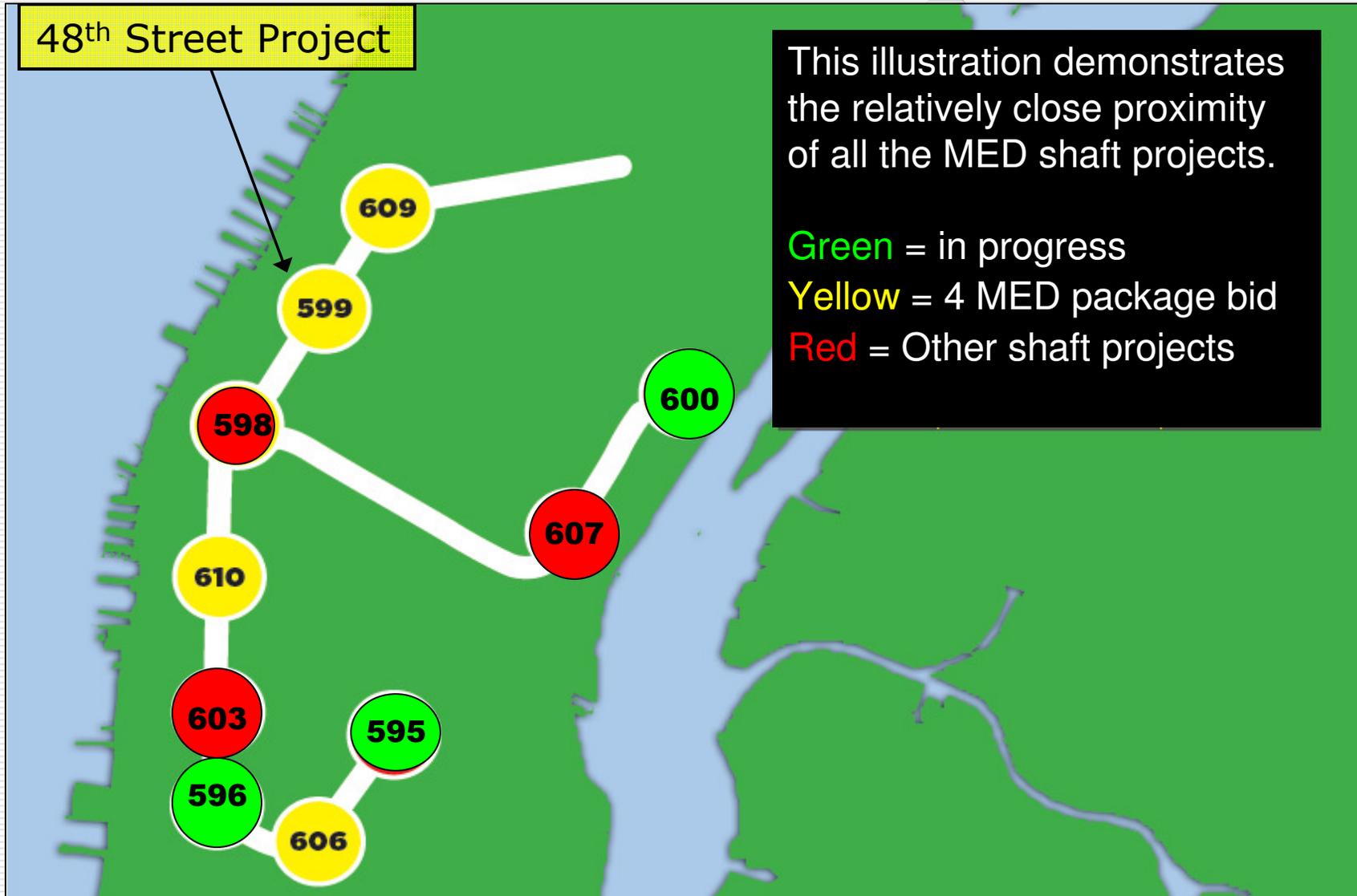


NEW YORK CITY DEPARTMENT OF
DESIGN + CONSTRUCTION

CONNECTING TO 3RD WATER TUNNEL SHAFTS

CRITICAL PROJECTS

48th Street Project



Project ID: MED599



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PROJECT SCHEDULE & SCOPE OF WORK

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

PROJECT SCHEDULE

- Winter 2011/2012 – Spring 2016
- 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	[Orange bar]																					
Other Phases	[Blue bar]																					

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

SCOPE OF WORK

-
- 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

SCOPE OF WORK (cont'd)

-
- 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



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WHERE WILL THE WORK BE PERFORMED

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

PROJECT LOCATION:

Community Board boundary:



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

CONSTRUCTION PHASING

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INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
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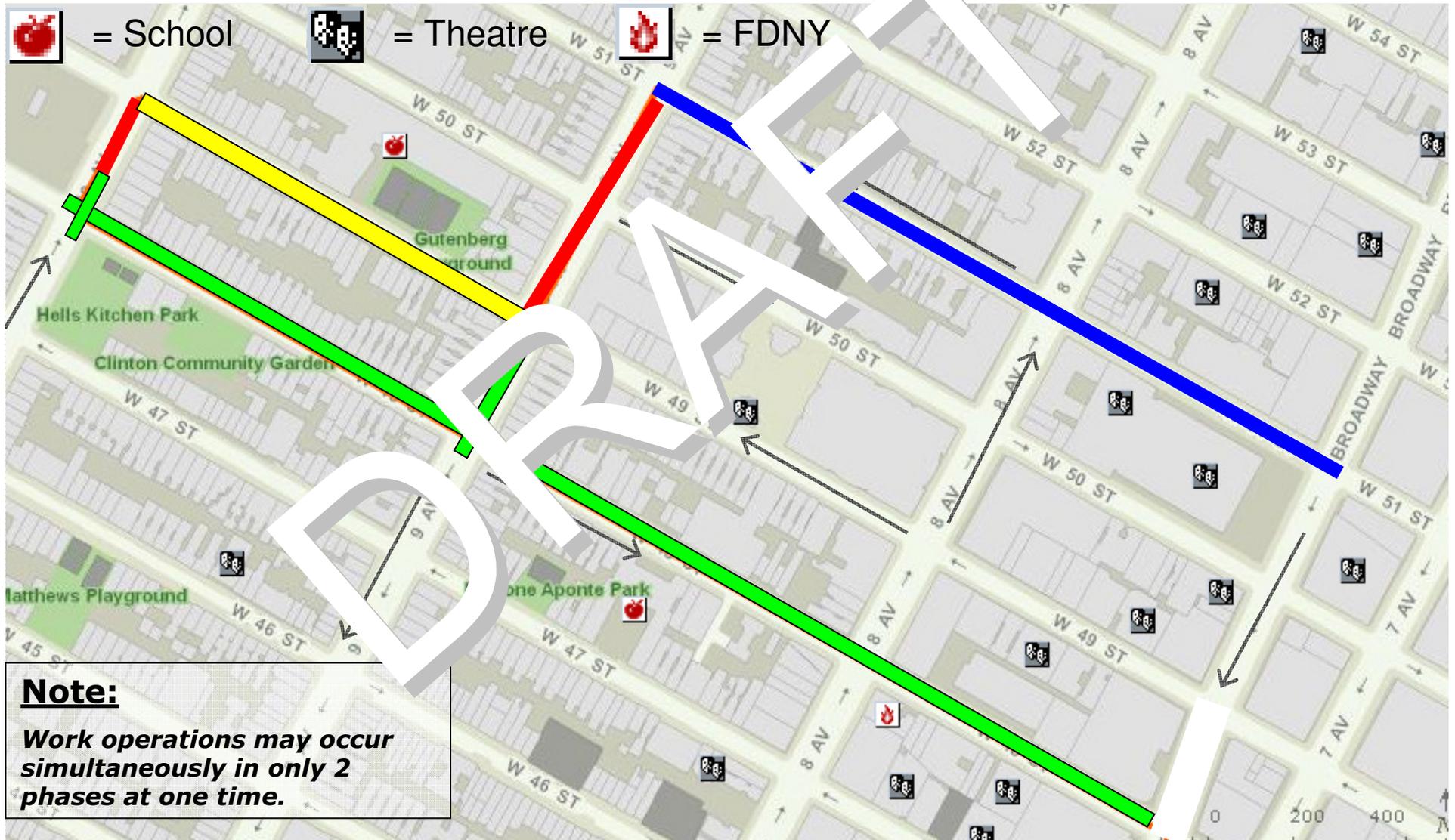


CONSTRUCTION PHASING

NEW YORK CITY DEPARTMENT OF
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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

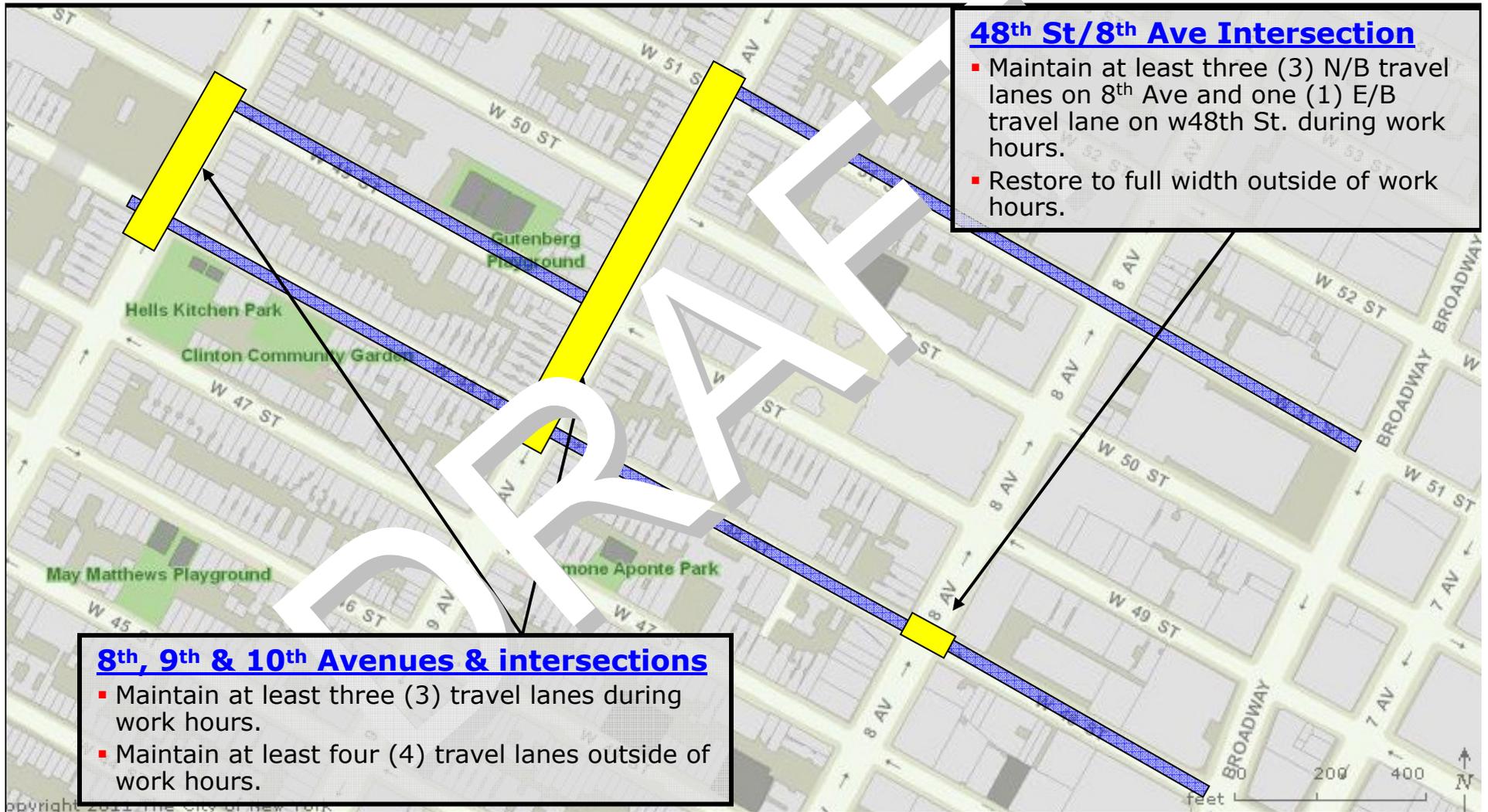
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- 7AM – 10PM: Monday – Friday (*Allowable Hours*)
 - 8AM – 6PM: Saturday & Sunday (*Allowable Hours*)
 - No Noisy Operations before 8AM weekdays, 10am weekends
 - **Typical weekday work hours are 7AM to 3:30PM**

TRAFFIC PATTERNS DURING CONSTRUCTION

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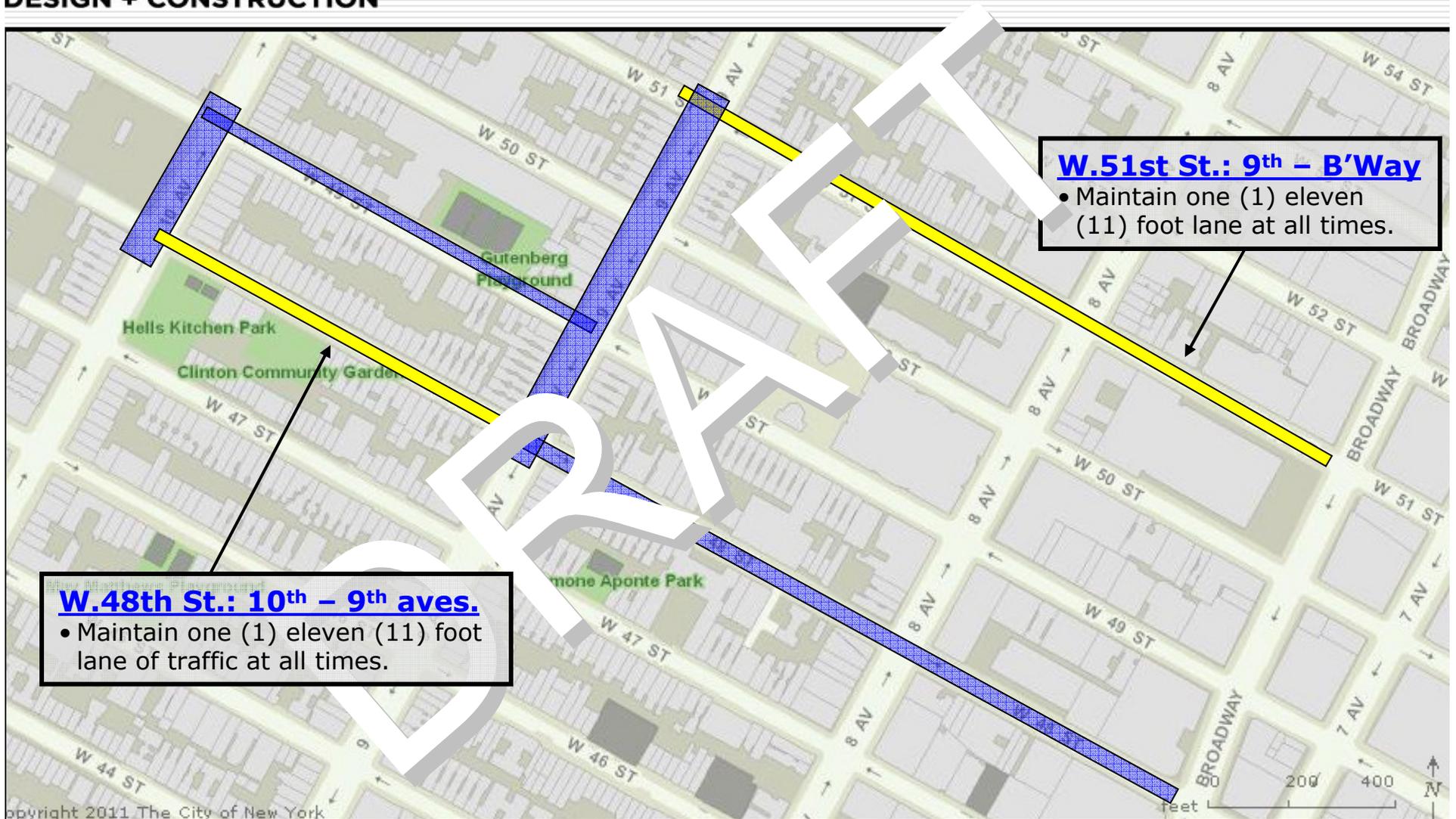
INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
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TRAFFIC PATTERNS DURING CONSTRUCTION



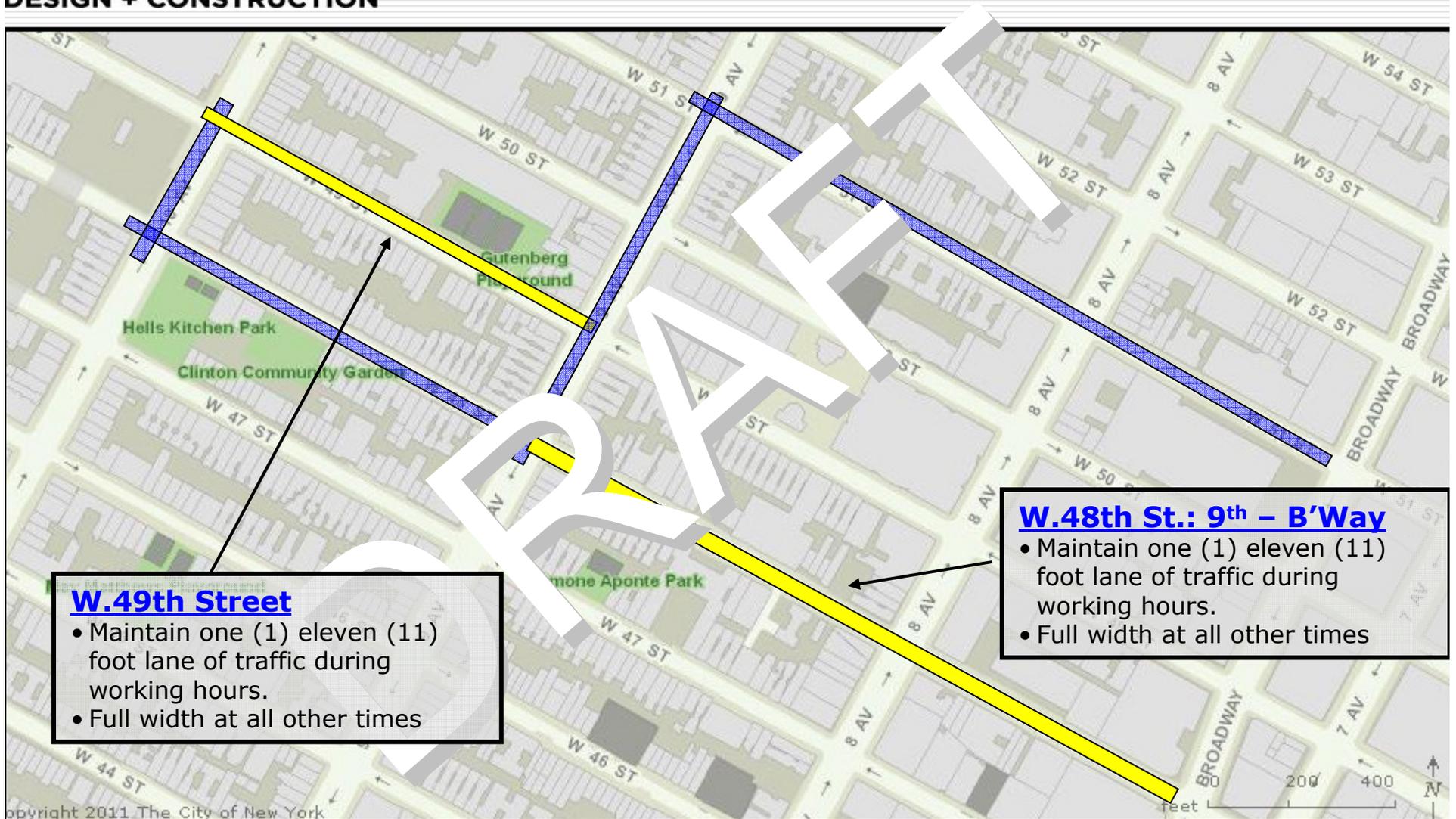
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TRAFFIC PATTERNS DURING CONSTRUCTION



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TRAFFIC PATTERNS DURING CONSTRUCTION



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TRAFFIC PATTERNS DURING CONSTRUCTION

-
- 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

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

Special Events Schedule/Calendar

(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

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET

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COMMUNITY IMPACTS & WHAT TO EXPECT

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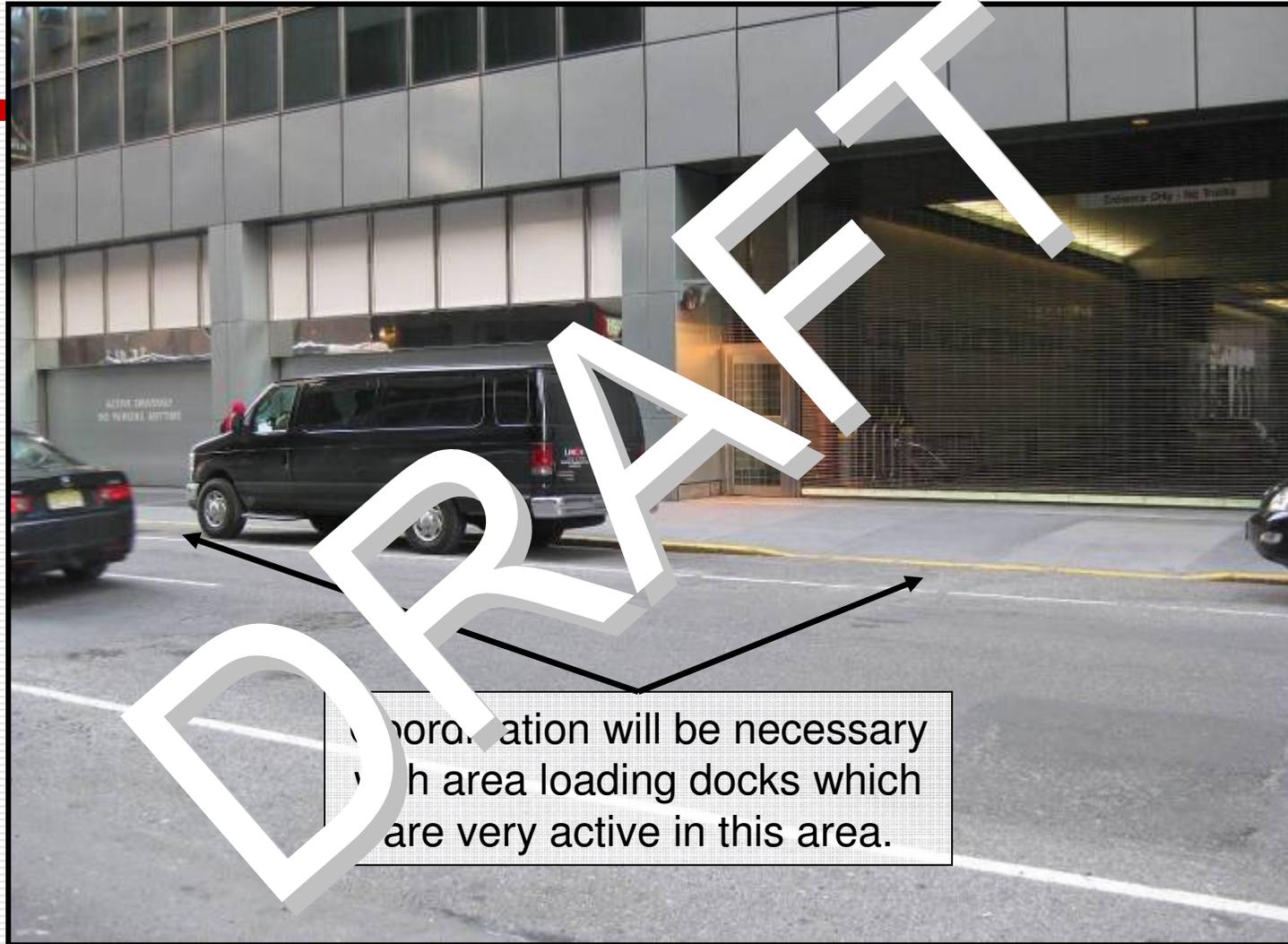
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Office of Community Outreach & Notification

- ❑ 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



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Hotels



Trash pick up areas



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

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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.

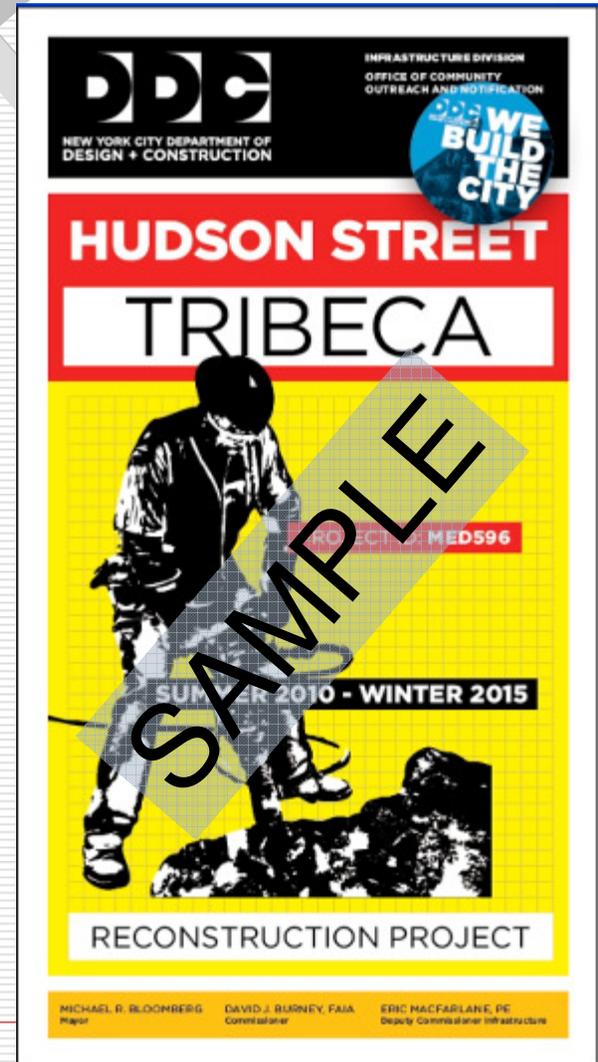


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COMMUNITY OUTREACH

Office of Community Outreach & Notification

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



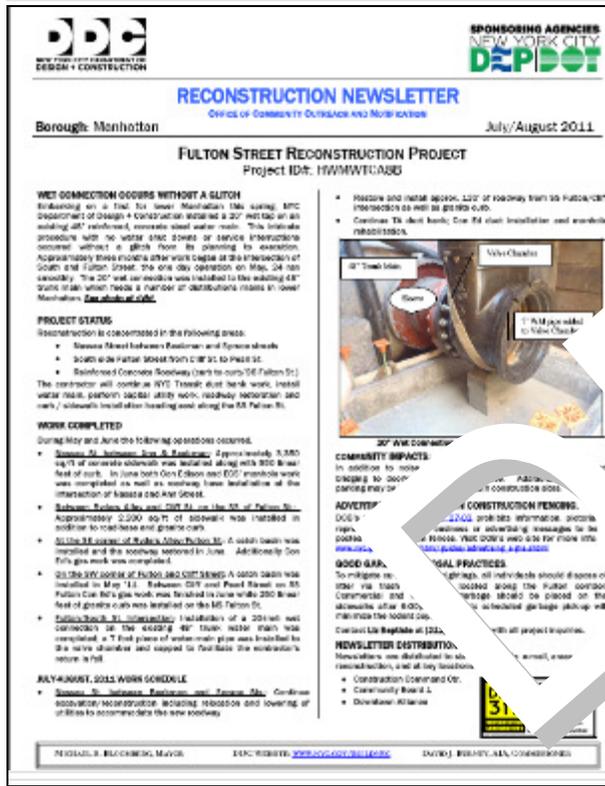
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Example of OCON outreach materials

Bi-Monthly Newsletter

Enhanced Brochure

Special Edition Newsletter



RECONSTRUCTION NEWSLETTER
OFFICE OF COMMUNITY OUTREACH AND NOTIFICATION

Borough: Manhattan July/August 2011

FULTON STREET RECONSTRUCTION PROJECT
Project ID#: H11MWTGAB3

WET CONNECTION OCCURS WITHOUT A GLITCH
Following an initial test to lower Manhattan this spring, NYC Department of Design + Construction installed a 20" wet tap on an existing 48" reinforced concrete steel water main. This intricate procedure with no water shut down or service interruptions occurred without a glitch from its planning to execution. Approximately three months after work began at the intersection of South and Fulton Street, the one day operation on May 24 has successfully "tapped" wet tap into the existing 48" water main, which needs a number of distributions to the lower Manhattan area.

PROJECT STATUS
Reconstruction is concentrated in the following areas:

- Between Canal Street and Broadway
- South of Canal Street from Canal to West St.
- Between Canal Street and Broadway from Canal to West St.

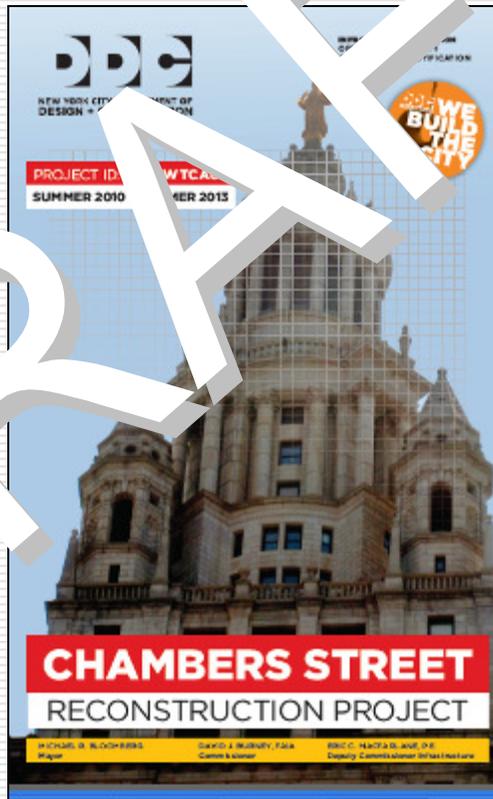
WORK COMPLETED
During May and June the following activities occurred:

- **Canal Street from Canal to West St.** Approximately 2,200 sq ft of sidewalk was installed in addition to roadwork and drainage.
- **South of Canal Street from Canal to West St.** A water main was installed and the roadway restored in June. Additionally, San Francisco gas work was completed.
- **Canal Street from Canal to West St.** A water main was installed in May '11. Between Canal and West Street on 85 Fulton Street gas work was finished in June while 200' West of Canal Street gas work was finished on the 85 Fulton St.
- **Fulton Street from Canal to West St.** Installation of a 20" wet tap connection to the existing 48" steel water main was completed in 7. First pieces of sidewalk were installed by the contractor and placed to facilitate the contractor's return to full.

JULY/AUGUST 2011 WORK SCHEDULE

- **Canal Street from Canal to West St.** Continue reconstruction including roadwork and lowering of sidewalks to accommodate the new roadway.

MICHAEL R. BLOOMBERG, Mayor | ERIC RICHARDS, Deputy Mayor | DAVID J. BURNETT, P.M.A., Commissioner



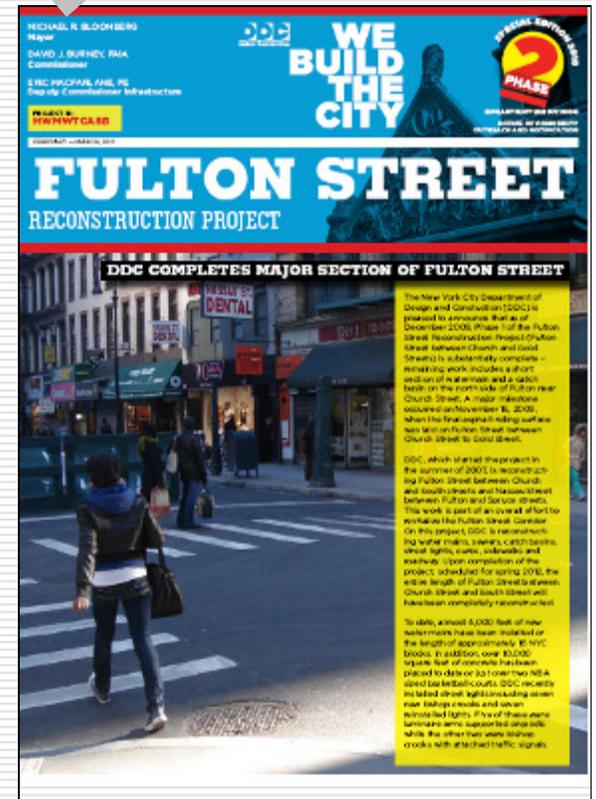
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WE BUILD THE CITY

PROJECT ID#: H11MWTGAB3
SUMMER 2010 | WINTER 2013

CHAMBERS STREET RECONSTRUCTION PROJECT

MICHAEL R. BLOOMBERG, Mayor | DAVID J. BURNETT, P.M.A., Commissioner | ERIC RICHARDS, Deputy Commissioner Infrastructure



WE BUILD THE CITY

FULTON STREET RECONSTRUCTION PROJECT

DDC COMPLETES MAJOR SECTION OF FULTON STREET

The New York City Department of Design and Construction (DDC) pleased to announce that as of December 2010, Phase 1 of the Fulton Street Reconstruction Project (between Church and Canal Street) has been substantially completed. This work is part of an overall effort to reconstruct the Fulton Street Corridor. On this project, DDC is reconstructing the street with new curb, sidewalks and medians. Upon completion of the project, scheduled for spring 2012, the entire length of Fulton Street between Church Street and Canal Street will have been completely reconstructed.

DDC, which started the project in the summer of 2007, is reconstructing the Fulton Street Corridor between Church and Canal Streets and Nassau Street between Fulton and Canal Streets. This work is part of an overall effort to reconstruct the Fulton Street Corridor. On this project, DDC is reconstructing the street with new curb, sidewalks and medians. Upon completion of the project, scheduled for spring 2012, the entire length of Fulton Street between Church Street and Canal Street will have been completely reconstructed.

To date, around 8,000 feet of new sidewalk has been installed on the length of approximately 1.5 miles. In addition, over 10,000 square feet of concrete has been placed to date on 1.5 miles of new sidewalk. DDC recently installed street lights including street main, bridge main, and open mounted lights. Five of these main bridge main support the sidewalk. The street main also includes crosswalks and traffic signals.

MICHAEL R. BLOOMBERG, Mayor | DAVID J. BURNETT, P.M.A., Commissioner | ERIC RICHARDS, Deputy Commissioner Infrastructure

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET
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WHAT TO EXPECT



36" Trunk Main Installation, Lafayette Street Project

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WHAT TO EXPECT



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WHAT TO EXPECT



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WHAT TO EXPECT

CONSTRUCTION MITIGATION

Recent examples



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



Hudson St. from Franklin to Beach

Hubert St. from Greenwich to Hudson

INSTALLATION OF TRUNK WATER MAINS IN W.48th STREET

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WHAT TO EXPECT

CONSTRUCTION MITIGATION Recent examples



Take One Information Box on Park Place
Manhattan



Liberty Street – Manhattan



Houston Street – Manhattan

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KEEPING YOU INFORMED

Office of Community Outreach & Notification

- ❑ DDC has assigned **TBD** 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:
 - **Phone:** **TBD**
 - **Email:** **TBD**
 - **Field Office:** **TBD**

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

- ❑ During Non-Working hours, please call 311 and give the Project ID:
MED599