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# Installation of Trunk Water Mains along Hudson Street (Worth St. – Laight St.) [including ancillary streets]

Project ID: **MED596**  
**Summer 2010 – Winter 2015**

Stakeholder Presentation  
LMCCC  
New York, NY

**August 18, 2010**

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# 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.
  - ✓ This 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 and the tunnel, the City will be able to activate sections of the new tunnel and begin rehabilitating City Tunnel Nos. 1 & 2.

# CONNECTING TO 3<sup>RD</sup> WATER TUNNEL SHAFTS

## UPCOMING CRITICAL PROJECTS



<u>MED #</u>	<u>Shaft #</u>	<u>Location -</u>	<u>Date</u>
595	31B	Lafayette Street <i><u>In Construction</u></i>	
<b>596</b>	<b>29B</b>	<b>Hudson Street - 2010</b>	
600	33B	E. 59 <sup>th</sup> Street - 2010	
599	25B	W. 48 <sup>th</sup> Street - 2011	
606	30B	Grand Street - 2011	
609	24B	W. 60 <sup>th</sup> Street - 2011	
610	27B	8 <sup>th</sup> Avenue - 2011	

INSTALLATION OF TRUNK WATER MAINS ON HUDSON STREET  
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- Summer 2010 – Winter 2015
  - Estimated construction duration is 2,007  
Consecutive Calendar Days (CCD) - 5 ½ years.

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- Connect to 3<sup>rd</sup> Water Tunnel Shaft 29B
  
  - New trunk and distribution water mains  
Including:
    - 48" & 36" trunk mains
    - 20" & 12" distribution mains
    - Valves, regulators & chambers

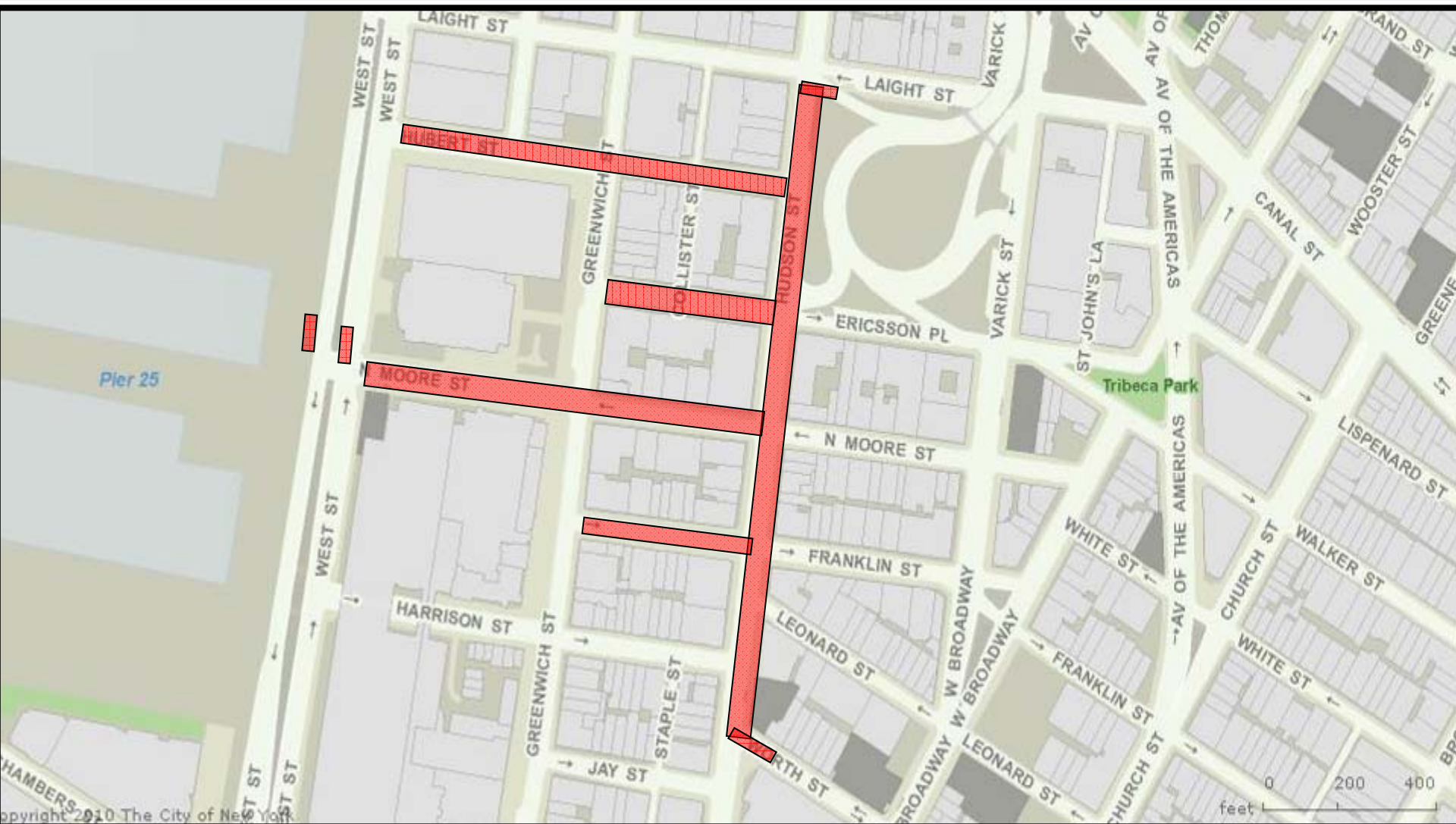
- Installation of new trunk water mains
- Reconstruction of distribution mains
- Private utility upgrades
- New roadway surface (*Cobblestone in Tribeca Historic District*)
- Reconstruction of curbs & sidewalks in certain locations
- Installation of new traffic signs and street lighting

# WHERE WILL THE WORK BE PERFORMED



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# PROJECT LOCATION:



**INSTALLATION OF TRUNK WATER MAINS ON HUDSON STREET**  
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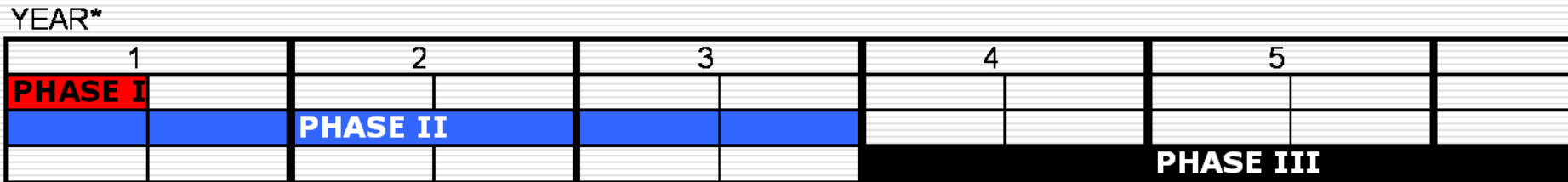
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# CONSTRUCTION

# SCHEDULE & PHASING

# CONSTRUCTION PHASING

- Project will have 3 phases
- Clause with incentive/liquidated damages to expedite completion



- Phase I: 6 months
- Phase II: 3 years
- Phase III: 2 ½ years

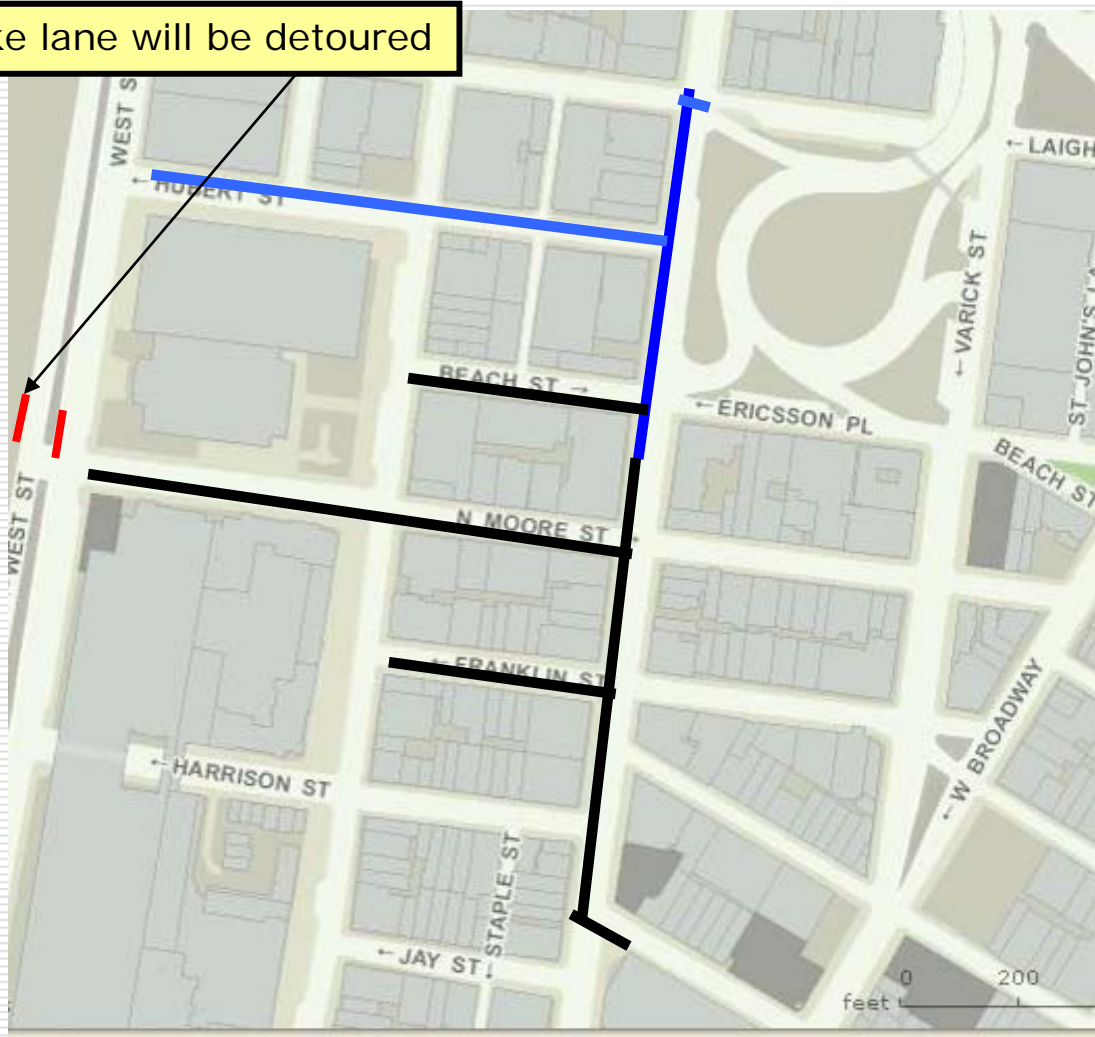
\* (From the Notice to Proceed [NTP] date; all time frames are approximations)



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# CONSTRUCTION PHASING

Bike lane will be detoured



— Phase I: 6 months

— Phase II: 3 years

— Phase III: 2 ½ years

## Note:

*Work operations will not occur simultaneously on every street segment within a particular phase.*

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# PRELIMINARY SCHEDULE: WORK HOURS / SPECIAL NOTES

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

# TRAFFIC PATTERN CHANGES DURING CONSTRUCTION

# TRAFFIC PATTERN CHANGES DURING CONSTRUCTION

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- **Hudson Street:** Maintain at least two (2) eleven (11) foot travel lanes. *On Hudson Street, the contractor will be restricted to a work zone of 3 blocks at a time.*
  - **West Street/Route 9A:** Maintain 3 lanes of traffic on in both directions at all times.
  - **Hubert and North Moore:** Maintain at least 2 travel lanes b/w West and Greenwich streets
  - Maintain at least one eleven foot travel lane on all other streets

# TRAFFIC PATTERN CHANGES DURING CONSTRUCTION

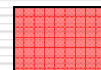
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- Traffic mitigation personnel, proper signage and MPT will be installed in/around the construction area to alert and direct motorists.
  - This includes:
    - ✓ Traffic Enforcement Agents (TEA's)
    - ✓ Variable Message Signs (VMS)
    - ✓ Video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



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# VMS BOARD LOCATIONS:



# Project limits:



# Traffic Enforcement Agents (TEA):

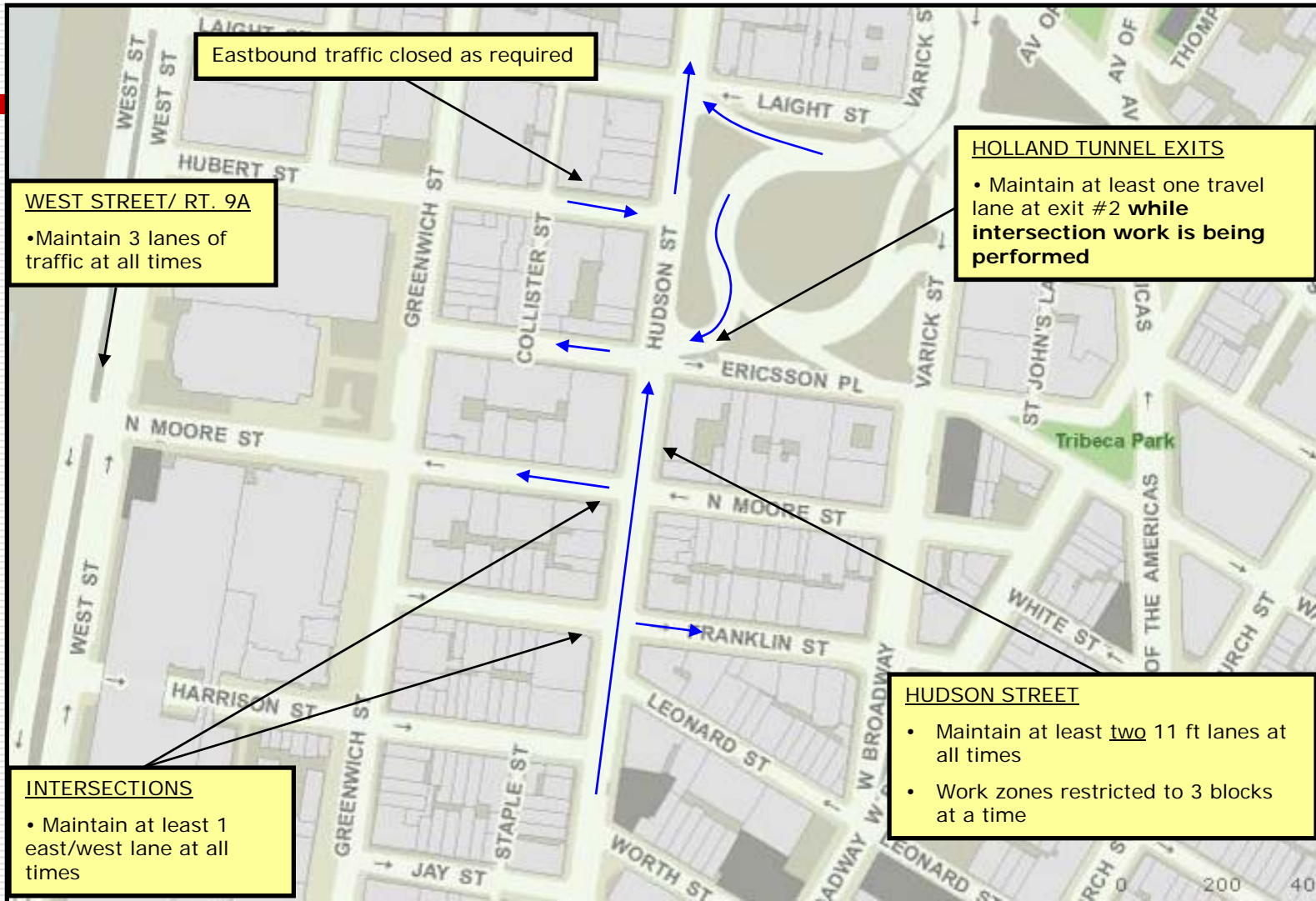


West St @ Clarkson St.



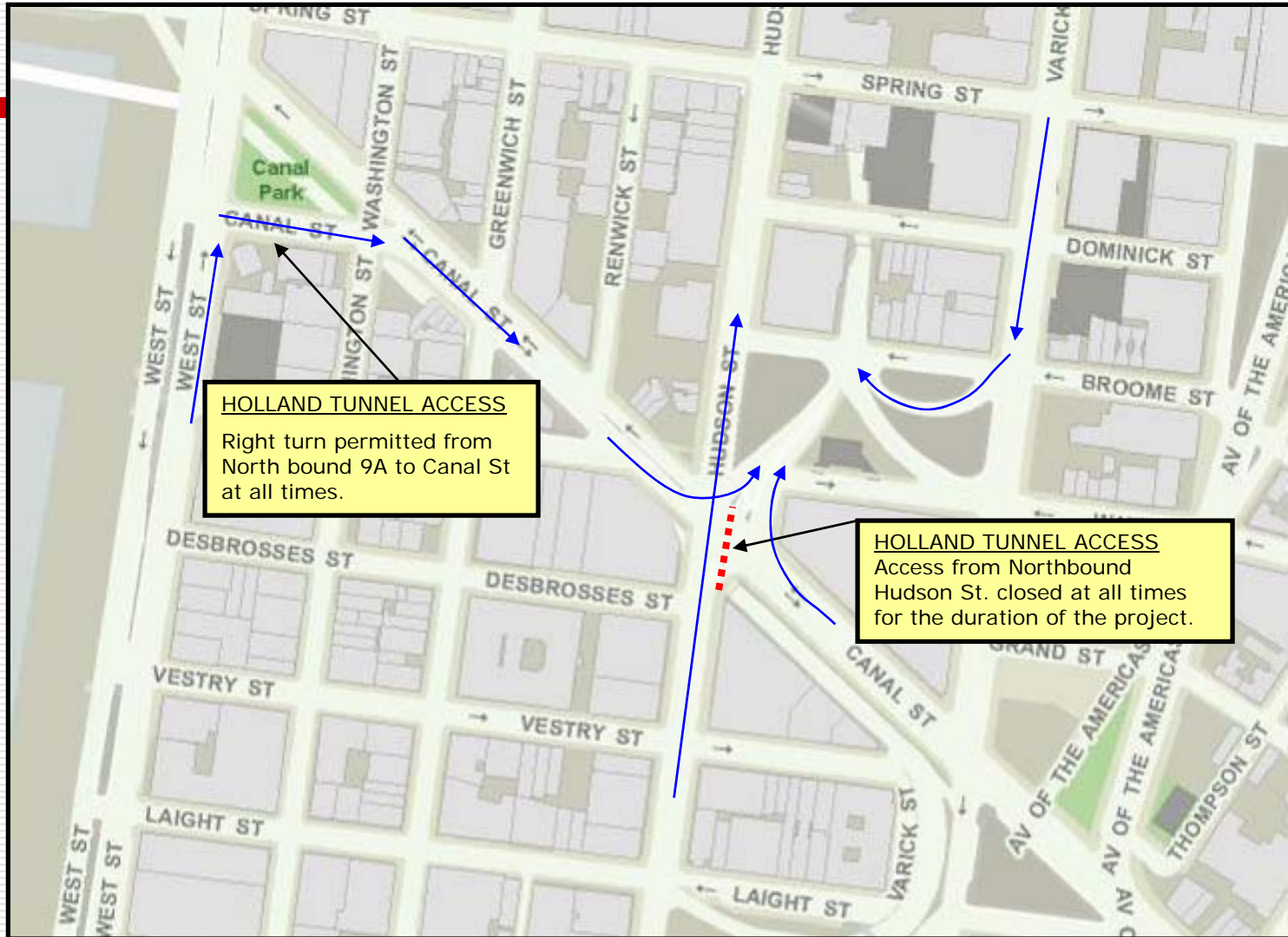
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# TRAFFIC PATTERN CHANGES DURING CONSTRUCTION South of Laight Street



**INSTALLATION OF TRUNK WATER MAINS ON HUDSON STREET**  
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# TRAFFIC PATTERN CHANGES DURING CONSTRUCTION North of Laight Street



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# COMMUNITY IMPACTS



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# WHAT TO EXPECT



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# WHAT TO EXPECT



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# WHAT TO EXPECT



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## WHAT TO EXPECT



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## Office of Community Outreach & Notification

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- ❑ Pedestrian access to buildings will be maintained at all times.
- ❑ MTA Bus stops (M20) may 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

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- ❑ 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.
  
- ❑ Small Firm Assistance grants available through LMDC

## Office of Community Outreach & Notification

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### 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

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#### Rodent Control:

- A Rodent Survey will be performed prior to construction
- Rodent Control Stations will be installed by a professional rodent control contractor

## Office of Community Outreach & Notification

- On-Site CCL
- Consistent communication with Community Boards and other stakeholders (Residents, Businesses, BID, Tenant Associations, etc.)
- Brochures 
- Daily Bulletins
- Special Advisory notices
- E-mail Alerts



# CONSTRUCTION MITIGATION

Recent examples



*Take One Information Box on Park Place –  
Manhattan*



*Houston Street – Manhattan*



*Liberty Street – Manhattan*

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# CONSTRUCTION MITIGATION

## Construction Fencing



*Fulton Street – Manhattan*



*Liberty Street – Manhattan*

## Office of Community Outreach & Notification

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- DDC has assigned **Jamie Corssen** of HDR, Inc engineering, 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:
  - **Mobile phone:** TBA
  - **Email:** HudsonStProjectCCL@gmail.com
  - **Field Office:** TBA
  
- DDC Website: [www.nyc.gov/buildnyc](http://www.nyc.gov/buildnyc)
  
- During Non-Working hours, please call 311 and give the Project ID:  
**MED596**