

ATLANTIC YARDS CONSTRUCTION UPDATE
Weeks of March 28, 2011 through April 10, 2011

In an effort to keep the Atlantic Yards Community aware of upcoming construction activities, ESD and Forest

City Ratner provide the following outline of anticipated upcoming construction activities.

Please note: the scope and nature of activities are subject to change based upon field conditions. In addition, during the utility work water shut offs may be required; these shut downs are done under the oversight of DEP and property owners will be given advance notice. All work has been approved by appropriate City and State agencies where required.

If you have any questions please feel free to contact our project Ombudsperson, Forrest Taylor, at: 212-803-3233 or AtlanticYards@empire.state.ny.us

Weeks covering March 28, 2011 through April 10, 2011

Long Island Rail Road/Vanderbilt Yard/ Carlton Avenue Bridge

- Posillico/Tully to start work to raise the grade at the bump area located in Block 1120 (near lots 19 & 28 and adjacent to the access ramp) to prepare for drilling of north side piles. Mobilization of drill rigs and associated equipment and drilling of piles on the north side of the yard adjacent to the bump has been completed, and SOE pile drilling will take place during this work period.
- Posillico/Tully will continue demolition work throughout the car shop (along Atlantic Avenue) for underpinning of the south wall of the LIRR Tunnel.
- Posillico/Tully to continue working on the underpinning of the south wall of LIRR tunnel within the car shop area.
- Posillico/Tully steel for pile drilling will be mobilized to the site during this reporting period.
- Posillico/Tully to set up and install the truck wash station for the site entrance located on Atlantic Avenue in lot 35 of Block 1120. This work continues. Modifications may need to be made to accommodate the truck cleaning area.
- Work for the fit out of Block 1129 (related to staging) will commence towards the end of this reporting period in order to bring water, sewer and electric to the new location of the LIRR. We are still evaluating bids and awaiting the required permits. Maintenance of Equipment department Trailers to be located on the east end of this block at Vanderbilt Avenue and Pacific Street.

- Posillico Tully to begin drilling of Mini-Pile for load test in the CAB north abutment area.

Environmental Remediation

- Soil that has been classified as clean, contaminated or hazardous will be removed from the site as part of the excavation activities and brought to appropriate disposal locations.
- Where excavation and soil moving activities occur in areas of known Volatile Organic Compounds (VOC's) (BL 1119, lot 1 & 64, BL 1118, lot 1 and BL 1127, lot 1) VOC monitoring will be performed as required in the Community Air Monitoring Plan ("CAMP") and VOC Best Monitoring Practices documents.
- CAMP monitoring is continuing on all areas of soil disturbance per the project plan, including excavation, grading and demolition.

Work related to the post-injection performance monitoring sampling at Block 1119 Lot 1 and Block 1118 Lot 1 has been completed. The first round of in-situ chemical oxidation injections at Block 1127 Lot 1 has also been completed. The second round of in-situ chemical oxidation injections at Block 1127 lot 1 may begin during this reporting period. All work was completed as a remedial action under jurisdiction of New York State Department of Environmental Conservation (DEC).

- Soil discovered during excavation that contains a limited amount of small vials containing arsenic has been covered with and staged on plastic on the southern area of Block 1127. The stockpiles of soil have been secured and will be inspected daily to ensure secure containment and compliance with the Storm Water Pollution Prevention Plan. The origin of these vials is unknown. Samples of this soil and vials have been collected and are being analyzed to evaluate proper off-site disposal options. Endpoint samples have been collected from the area where the vials were first observed in order to ensure that no additional impacts to surrounding or underlying soils have occurred. All remediation work associated with these vials will be performed in accordance with the Hazardous Materials Health and Safety Plan. Several potential disposal facilities are being evaluated and the stockpiled soil may be disposed of offsite during this reporting period at a properly permitted disposal facility.
- Standing oily water was discovered in the basement of the one-story portion of 752 Pacific Street. The oil/water mixture has been removed and disposed at a properly permitted facility. Additional cleaning of the basement will continue during this period and will include steam cleaning, debris removal, and aboveground storage tank (AST) cleaning. Once the ASTs are cleaned, the ASTs will be removed either during or prior to the demolition of the building. Sub-slab soil samples will be collected once remediation work inside the basement is completed. All work is being completed in accordance with and under jurisdiction of the DEC.

Infrastructure

- A new water trunk main will be installed along Atlantic between Flatbush and 6th Avenue and associated distribution mains will be installed in the Flatbush/Atlantic Avenue intersection, and approximately 200 feet south in Flatbush toward Pacific Street.
- Work on the new trunk water main continues during this period on the south side of Atlantic Avenue east of the Fort Green intersection and will continue eastward for the next 4 months. A section west of the Fort Green intersection will be installed in May 2011 when Transit Connection activities allow. All work will be performed behind MPT. The MPT along Atlantic Avenue has been modified near the 6th Avenue intersection.
- During the course of utility installation work, the contractor may encounter unforeseen contaminants, underground storage tanks or other structures. In the event that this happens and where appropriate, notification will be given to the DEC, VOC monitoring will be continuously performed, and remediation steps will be implemented.
- The Utility contractor and its subcontractors have been conducting inspections, videotaping and cleaning of the new sewers in Atlantic and Flatbush as part of the sign off requirements for the DEP. While this work is essentially complete, it may continue during this reporting period if additional investigations are requested by DEP. Using its own forces, DEP completed repair work on a sewer line in the bed of Atlantic Avenue west of 6th Avenue during the prior reporting period.

Demolition

- Abatement of 768 Pacific Street and 603 Dean Street has been completed. Applications for demolition permits are being prepared and are expected to be submitted during this reporting period.

Demolition of 514 Vanderbilt Avenue (Block 1121, lot 42) is complete. .

Arena

- Hunt has implemented a revised local delivery truck route to the site from the Block 1129 Material Laydown/Staging Area to use the new Dean Street ramp access gate. The revised route is:
 1. Banker & IPS trucks waiting in Hunt Material Laydown Area adjacent to 752 Pacific Street (Block 1129)
 2. Truck will make right out of Lot and head East down Pacific.
 3. Truck will make right onto Vanderbilt
 4. Truck will make right onto Flatbush
 5. Truck will make right onto Dean

6. Truck will make left into Dean Street Entrance

This route will be discontinued following completion of the installation of the permanent access ramp at the intersection of 6th Ave & Pacific Street, which is projected to be complete on or about June 1. The route may be used at a later date to assist with deliveries to a laydown area to be prepared adjacent to Dean Street within the construction fence line.

- Waterproofing and backfilling along the outside of the arena Atlantic Avenue foundation wall will continue, subject to weather conditions, during this reporting period.
- Steel deliveries and steel erection will continue throughout this reporting period.
- Excavation will continue within the footprint of the arena (Block 1127).
- Mass excavation within the southeast quadrant of the site will continue during this reporting period.
- Work related to the SOE installation and related excavation at the Haier Store area, located at the Pacific Street terminus of the Arena Block, which is located at the 6th avenue & Pacific Street side of the arena, will continue during this reporting period.
- VOC monitoring as required by the CAMP continues, but use of enhanced personal protective equipment (PPE) in some instances, has been discontinued. The area where the high VOC releases were recorded has been capped.
- Installation of footings and perimeter walls is continuing eastward from the intersection of Dean Street and Flatbush Avenue.
- The application of waterproofing to the foundation walls from 6th Avenue at Pacific Street starting north and then west down Atlantic Avenue will continue during this reporting period, as weather allows. Backfilling at these locations will follow the waterproofing and is expected to continue during this reporting period.
- Waterproofing of the west side storm retention tank exterior, followed by backfilling, is expected to continue, as weather allows, during this period.
- Layout/installation related to the underground plumbing will continue within the northeast quadrant (near Atlantic Avenue & 6th Avenue portion of the site). Underground plumbing will continue within the Block 1127 area in controlled access zones beneath the structural steel erection as needed this period.
- The removal of the retaining wall along the north side of the former Pacific Street and the creation of a new access ramp into the site from Pacific Street will continue this period. The retention wall removal procedure has been reviewed and approved by DOB. The permanent access ramp H-Pile installation and SOE will continue during this reporting period.

- Underground electrical installation will continue as needed during this reporting period. This work is taking place within Block 1119 and Block 1127 where the concrete foundations and footings are being poured and beneath the structural steel erection within control access zones
- The maintenance of the site to accommodate steel erection will continue during this period. Steel erection sequences on the north side of the future center court will continue this period. The first T3 trusses (Atlantic Avenue elevation) will continue to be erected during this period.
- The placement of concrete on metal deck (SOD) will continue during this reporting period. Lathing (rebar placement) work will continue on the superstructure decks prior to concrete placement in this period.
- The placement of slab on grade (SOG) concrete may commence during this reporting period.
- The excavation and concrete footing placement for a long term but temporary visual mock-up of the weathered steel façade panels has been completed at 752 Pacific Street). The mock-up panel delivery and placement of the footing was originally expected to be completed during the reporting periods covering March 7th through March 25th, however the delivery has been revised to mid-May.
- Preparation of the lay down and storage area to the east section of 752 Pacific Ave., Lot 1129 will continue during this reporting period, following completion of adjacent demolition activity.
- During the course of the excavation work, the contractor may encounter unforeseen contaminants, underground storage tanks or other structures. In the event that this happens and where appropriate, notification will be given to DEC, VOC monitoring will be continuously performed while excavating these materials and remediation steps will be implemented.
- The arena contractors are coordinating their concrete placement and structural steel activities on the Atlantic Avenue elevation with the utility contractor's water main installation within this same zone, inside the MPT barrier that are already in place.
- Weekend work will be scheduled no later than close of business on the preceding Thursday, where makeup work due to weather or other delays makes it necessary.

NYC Transit Improvements

- The contractor will be conducting a major concrete pour within the main transit entrance area on Saturday April 2nd. (Note: This is a weather sensitive date that may be pushed to Sunday, April 3, 2011). Work will commence at 6 a.m. and is expected to be completed by 12 p.m.

During this time, approximately 60 total loads (or 15 trucks at 4 trips apiece) are expected at the site. The contractor will be utilizing a combination of one or two concrete pumps as further described below. One pump will be located inside the Atlantic Avenue gate, and one pump will be located inside the Flatbush Avenue gate. All of the concrete trucks and concrete pumps will be equipped with Diesel Particulate Filters (DPF), per the requirements of the Community Air Monitoring Plan.

- Logistics Plan A: Use One Concrete Pump & Setup Second as a Spare – Concrete trucks will enter site via the Flatbush Avenue gate. They will back up to pump, two at a time and unload. They will then exit the Atlantic Avenue gate. Two flagmen will be posted at both gates and an additional flagman will be posted at Flatbush to direct pedestrian traffic. With one pump working, there should be enough room to queue an additional two or three trucks onsite. (Please see the attached “Logistics Plan A”.) This plan minimizes the amount of time the trucks will need to spend backing up, thus lowering the impacts of this activating on the surrounding community.
- Logistics Plan B: Use Both Concrete Pumps Simultaneously - Concrete trucks will be queued on Pacific Street, between Carlton and Vanderbilt, and sent to either gate depending on need. Flagmen will be posted at both the Vanderbilt entrance to Pacific Street and at Carlton Ave. The flagman at the Carlton gate will be equipped with a radio to communicate with the onsite personnel to direct the trucks to the appropriate gate entrance. (Either Flatbush or Atlantic Ave gates.) While the trucks are queuing on Pacific Street, they need to keep their engines running as the concrete barrel must continue to operate. At the Atlantic Avenue gate, two flagmen will be positioned to assist in the direction of traffic and help the concrete trucks enter and exit the site. An additional flagman will be posted at the Flatbush Avenue gate to direct and protect pedestrians crossing that gate. (Please see the attached “Logistics Plan B”). The logistics laid out in Plan B is intended to be a back-up plan to be implemented in the event queuing problems occurring during this work.

A heavy stone tracking bed access road has been installed by the contractor to cut the amount of mud being tracked onto the avenues, and both gates will additionally have a laborer washing down truck wheels to keep the streets clean.

- The above referenced concrete pour is the first of three major pours that will be required in connection with the transit connection work. The next pour, projected to take place in 4-6 weeks, will consist of 300 yards; the third will take place approximately 6-8 weeks thereafter and will consist of approximately 200 yards and will be at the Flatbush & Atlantic Avenue tip of the site. Additional logistical information will be provided when each actually takes place.
- Cross bracing continues and excavation is substantially complete. Smaller bracing is currently in progress at the existing structure at the tip of the intersection. The balance of the bracing will be installed over the next 2 weeks. Vibration and Tilt sensors have been installed and are being monitored per NYCT requirements.

- Work related to the excavation of test holes at various points within the project footprint has been completed.
- Classification of soil will be completed for proper disposal, as selective excavation continues. The soil testing work has been completed, except for one area for which access is not yet available. All soil has tested as “non-hazardous”.
- Demolition of the TA structures continues. IRT and BMT Tunnel inspections have taken place and repair work will be implemented during scheduled NYCT track outages during evenings and weekends. BMT Track Outages (G.O.s) were conducted on March 5th, and 12th. The next GO is scheduled for April 16th. Additional GO’s for both the IRT and BMT will be evaluated as the work progresses. Minor repair and cleanup work will occur on selective evenings under scheduled NYCT flagging protection.
- Permits have been secured for the portions of the street immediately adjacent to the “Tip” of the project area (at the corner of Flatbush and Atlantic). Concrete plank/decking in the roadway is now substantially complete. This work being done to allow the Fare Control Area excavation & demolition to continue below the street. Traffic will be restored every morning according to DOT stipulations.
- Reinforcing steel is in progress at the main transit entrance where the staircase/elevator/escalator is located. Concrete placement in this area is tentatively scheduled for the Saturday, April 2nd. This work will take place for one day. Additional information will be provided as the logistics for this work are developed.
- Minor mechanical, electrical and plumbing work within the subway station below ground is underway to accommodate new station configuration.

Anticipated Night Time & Weekend Work

During this reporting period the following work will be performed either at night or during the weekend as noted. All work will be done pursuant to approved permits:

- Arena Site:
 - Weekend work for either April 2nd or April 9th will be scheduled no later than close of business on the preceding Thursday, where make-up work due to weather or other delays makes it necessary.
- NYC Transit Improvements:
 - Temporary concrete road decking is substantially complete however, in the event there is a need to do any related work, such work will be performed at night per DOT regulations. Traffic will be restored every morning according to DOT stipulations.

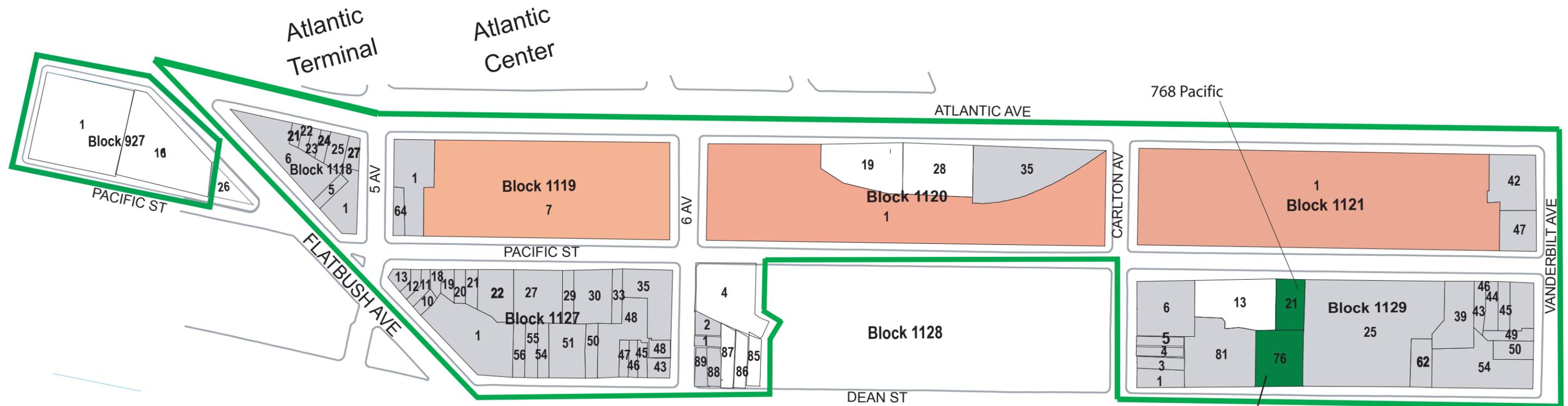
- Work related to demolition of BMT structure and below grade concrete work may be conducted on Saturdays April 2nd and/or April 9th during this reporting period. All such work will take place within the site.
- Concrete placement in the area of the main transit entrance is tentatively scheduled for Saturday April 2nd, weather permitting. This will take place for one day. If required by weather conditions, this work will be performed on Sunday, April 3rd.
- Demolition:
 - None anticipated at this time.
- Block 1129 – staging arena:
 - Contractors conducting night work may have cause to enter and exit this area as it serves as a staging and material/equipment storage area.

During the course of work conditions may be encountered at the site which may warrant the need for night and/or weekend work. Work will be done pursuant to approved permits. The above listing is not meant to be an exhaustive list.

Community Liaison Office (CLO)

Persons seeking access should do so from Carlton Avenue. Both the CLO phone line (866-923-5315) email (communityliaison@atlanticyards.com) are operational and community residents are encouraged to use both when making inquiries about the project.

Atlantic Yards Abatement & Demolition Status

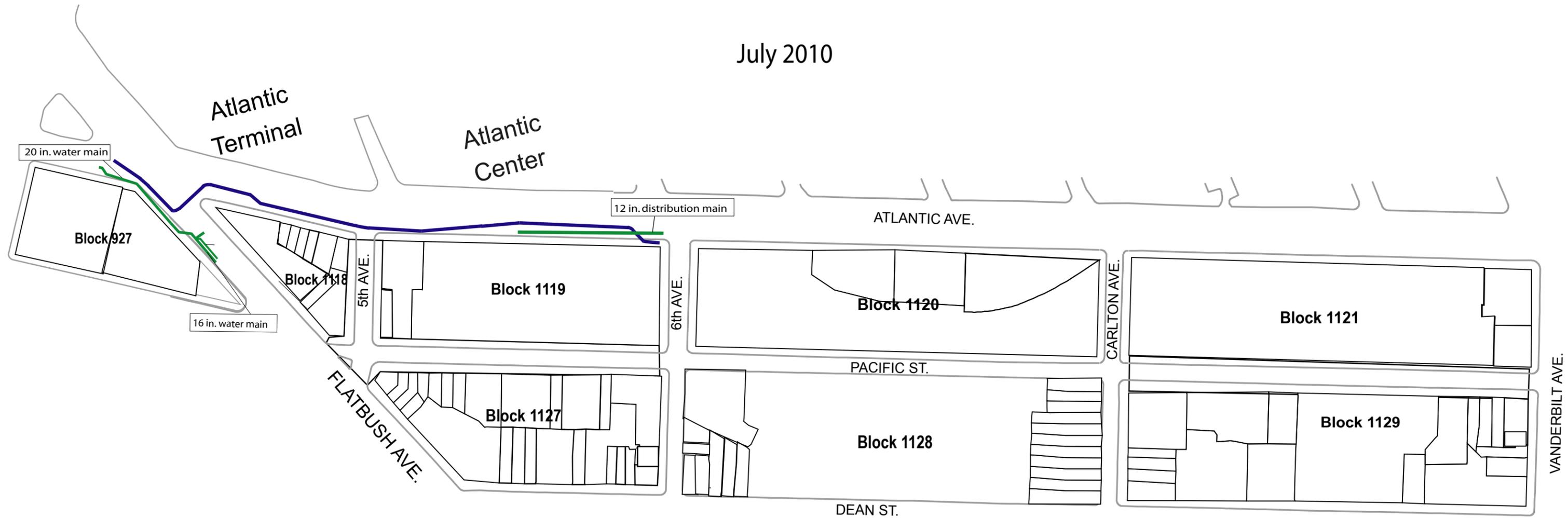


- LIRR Yard
- vacant lot
- Building at which abatement is completed and an application for a demolition permit is pending before Department of Buildings
- Building at which demolition is underway

603 Dean

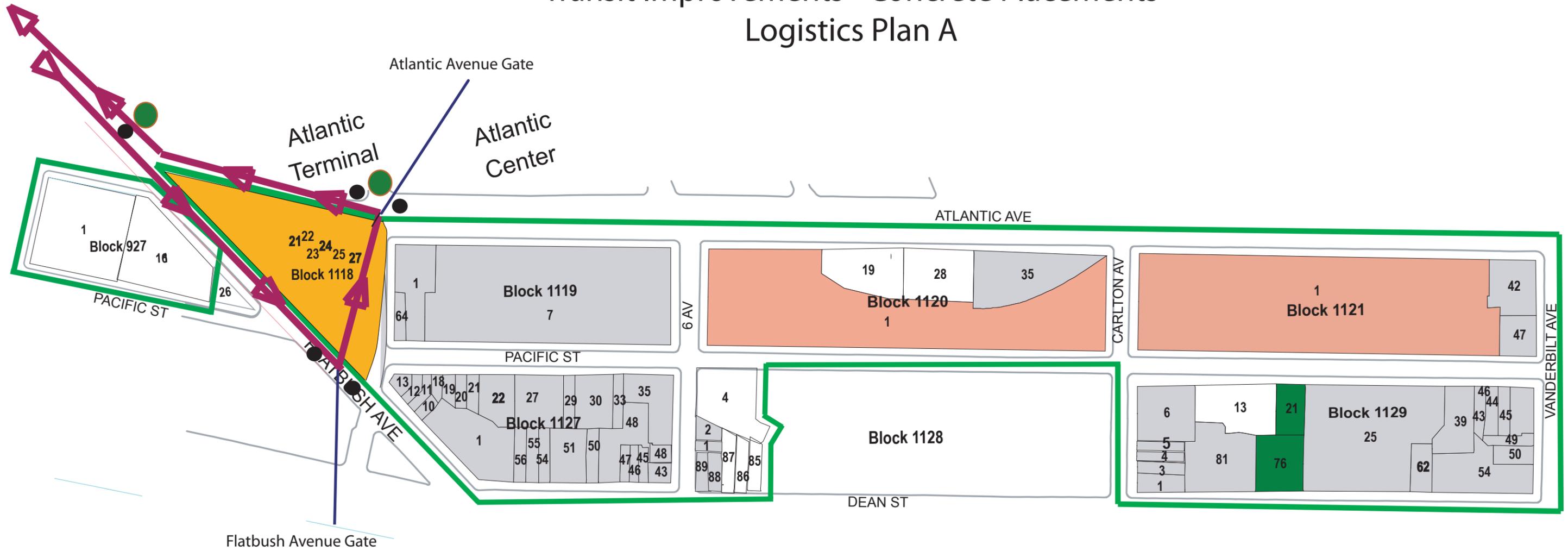
Location of Water Main Work

July 2010



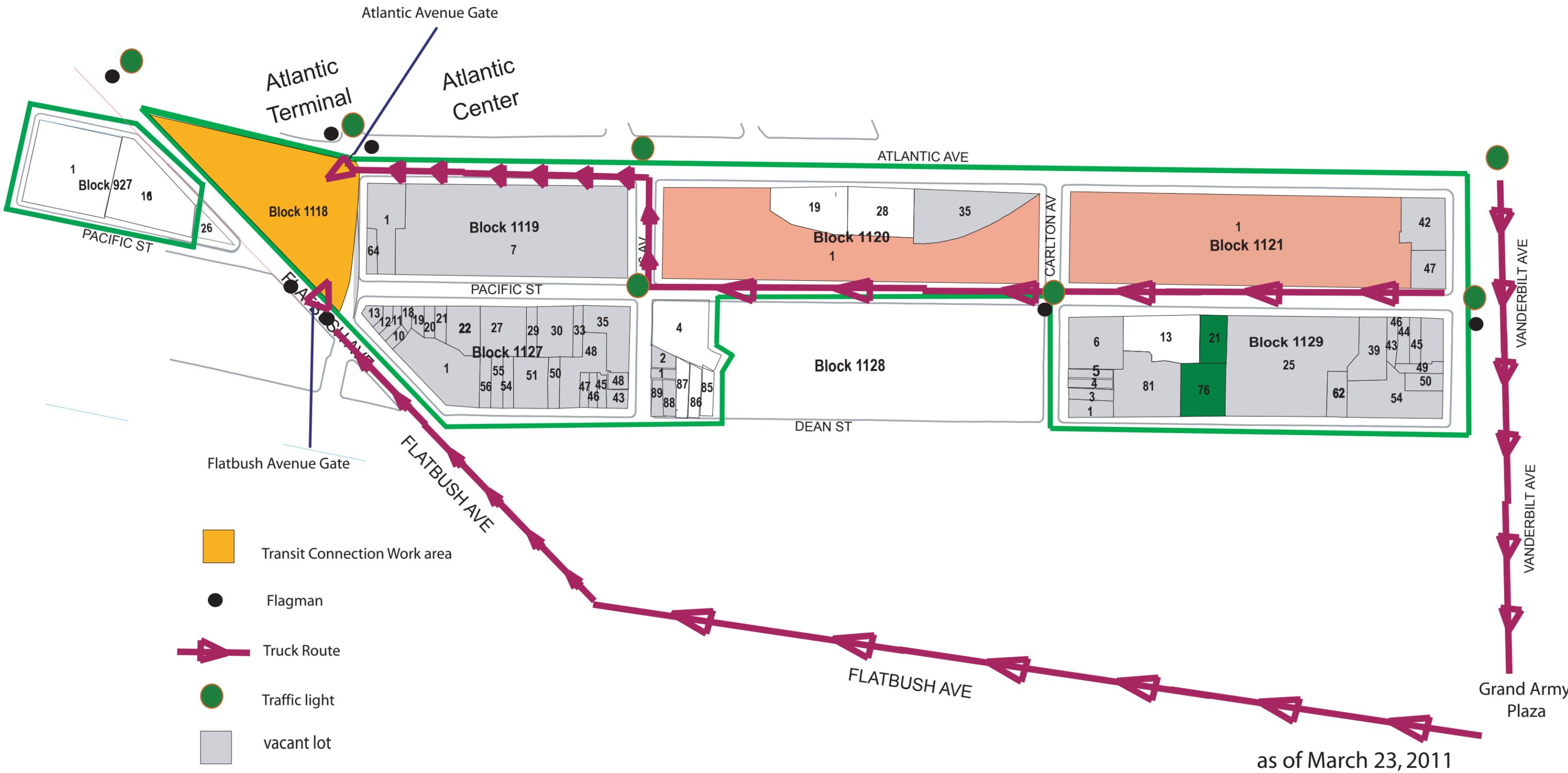
-  36"/48" trunk water main
-  12", 16", & 20" water main & 12" Distribution Main

Atlantic Yards Transit Improvements - Concrete Placements Logistics Plan A



- Transit Connection Work area
- Flagman
- ▶
 Truck Route
- Traffic light
- vacant lot

Atlantic Yards Transit Improvements - Concrete Placements Logistics Plan B



as of March 23, 2011

Grand Army Plaza