

ATLANTIC YARDS CONSTRUCTION UPDATE
Weeks of April 9, 2011 through April 24, 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 April 9, 2011 through April 24, 2011

Long Island Rail Road/Vanderbilt Yard/ Carlton Avenue Bridge

- Posillico/Tully continues work related to razing of the grade at the bump area located in Block 1120 (near lots 19 & 28 and adjacent to the access ramp) for drilling of north side piles. SOE pile drilling will continue 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 has been 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.
- Upon receipt of permits, worked related to the fit out of Block 1129 (related to staging) will commence. Work entail the installation of water, sewer and electric service to the new location of the LIRR Maintenance of Equipment department Trailers for LIRR will be located on the east end of this block at Vanderbilt Avenue and Pacific Street.
- Posillico Tully to continue 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. A second round of in-situ chemical oxidation injections at Block 1127 lot 1 will begin during this reporting period. All work is being 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 and Hazardous Materials Health and Safety Plan. The origin of these vials remains unknown. Endpoint samples collected from the area where the vials were first observed indicated that there were no additional impacts to surrounding or underlying soils. A potential treatment and disposal facility for this stockpiled soil has been identified (EQ of Belleville, Michigan). The stockpiled soil may be transported to the aforementioned facility for treatment and disposal during this reporting period pending formal facility paperwork review and approval, which is currently underway. All remediation work associated with this stockpiled soil will be performed in accordance with the Hazardous Materials Health and Safety Plan. .
- Additional cleaning of the basement at the one-story structure affiliated with 752 Pacific Street will continue during this period and will include steam cleaning, debris removal, and aboveground storage tank (AST) cleaning. Once the ASTs are cleaned, the two smaller ASTs will be removed by the tank cleaning contractor and the other two will be removed during 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 3 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

Applications for demolition permits for 768 Pacific and 603 Dean are being prepared and are expected to be submitted during this reporting period. An unoccupied one-story addition on the east side of 752 Pacific, where the oil residue and leaking tanks were discovered, will be removed in conjunction with the 768 Pacific building. Asbestos in the basement will be removed prior to demolition. The filings are being prepared and will be submitted during this reporting period. Demolition of 808 Pacific Street (Block 1129, lot 39) 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 for the footings and walls will continue within the footprint of the arena during this reporting period.
- Mass excavation will be completed during this reporting period. Work will continue in the SE quadrant.
- 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 be completed 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. VOC monitoring by the Design Builder will be discontinued following completion of the excavation activity.
- 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 arena footprint including in controlled access zones beneath the structural steel erection as needed this period.
- The installation of the ice rink floor refrigeration piping has commenced and will continue during this reporting period.

- Preparation for the drilling of the hydraulic elevator piston will be initiated this reporting period.
- Preparation for the spray fireproofing contractor mobilization will be initiated this reporting period.
- The removal of the retaining wall along the north side of the former Pacific Street has been completed 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 the entire arena footprint 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.. The first T3 trusses (Atlantic Avenue elevation) have been erected. Steel erection will continue near the intersection of Dean Street & Flatbush Avenue throughout this reporting 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 will continue 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 is already in place.
- The contractor will be conducting a major concrete pour within the truck elevator area on Saturday April 9th. Work will commence at 7 a.m. and is expected to be completed by 3 p.m. During this time, approximately 50-60 total loads (or 10-12 trucks at 5 trips apiece) are expected at the site. The contractor will be utilizing one concrete pump, which will be located in within the "bowl" of the arena. Access to the site will be via the west Dean Street gate at the corner of Flatbush Avenue & Dean Street with trucks traveling via the designated truck routes. 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. Flaggers will be positioned at the Dean Street gate and at Flatbush Avenue; wheel wash personnel will also be positioned at this gate for the duration of the work.
- Weekend work 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

- The first concrete pour occurred on April 2nd. 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 3-4 weeks, will consist of 300 cubic yards; the third will take place approximately 4-6 weeks thereafter and will consist of approximately 200 cubic 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^{es} 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 installation is in progress at the western area of the site.
- Minor mechanical, electrical and plumbing work within the subway station below ground is underway to accommodate new station configuration.
- Crawler crane assembly and structural steel erection will commence during this period. Steel will be erected at the main transit entrance area where the staircase/elevator is located. .
- Structural steel erection will now commence during this period at the main transit entrance area where the staircase/elevator is located.
- It is anticipated that in approximately 3 weeks there will be one large crane pick to set the steel girder that will span the new BMT/IRT passageway within the excavation. The crane is anticipated to be set on Flatbush Avenue, subject to receipt of approvals from NYC Transit and DOT. This will be conducted during evening hours under NYC DOT and TA approval. Any changes to existing MPT or any requirement for new MPT will be per approval of DOT.

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 April 9th, April 16th or April 23rd 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 16th and April 23rd during this reporting period. All such work will take place within the site.

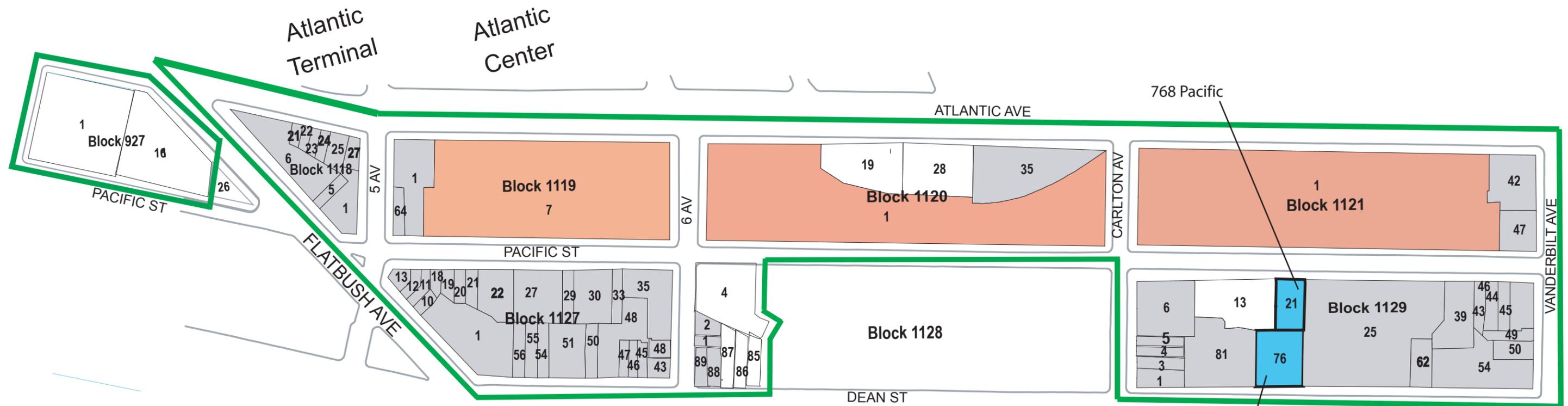
- Demolition:
 - None anticipated at this time.
- Block 1129 – staging arena:
 - Contractors conducting night work may have cause to enter and exit this area as it serves as a staging and material/equipment storage area.

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.

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

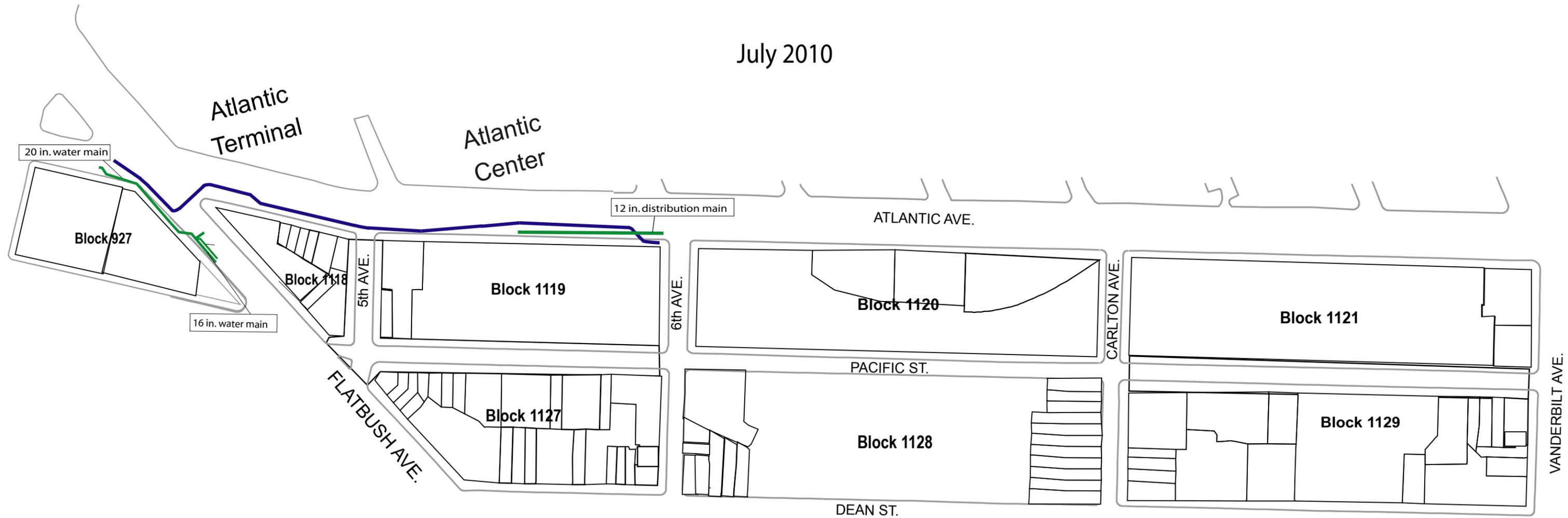


- vacant lot
- A Building at which abatement is completed and an application for a demolition permit is pending
- LIRR Yard

as of April 8, 2011

Location of Water Main Work

July 2010



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