

ATLANTIC YARDS CONSTRUCTION UPDATE
Weeks of December 20, 2010 through January 2, 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 December 20, 2010 through January 2, 2011

Long Island Rail Road/Vanderbilt Yard/ Carlton Avenue Bridge

- Work related to the installation of a 7'x7' spread footing, and required load tests, has been completed.
- Work related to the demolition of the Carlton Ave Bridge and the associated piers located in the north side of the existing LIRR yard located within blocks 1120 & 1121 continues during this period. Work related to the abatement of lead paint continues; process will consist of a chemical peel process or the use of needle scalers to remove the paint. In either case, the removed paint will be captured and disposed of appropriately.
- Demolition of the roadway slab of the Carlton Avenue Bridge using Hoe-Ram method is expected to be completed during this reporting period.
- Construction of the AO1-2 concrete vault and transformer pad along with the associated electrical duct banks continues during this period. . This work will take place in the north side of Block 1120 just east of lot 19.
- Work has been completed for the drilling of the 17 soldier piles required to remove the north abutment of the Carlton Avenue Bridge. Work related to the excavation, lagging, bracing and demolition of the north abutment wall is expected to commence during this period.

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.
- In-situ chemical oxidation injections have been completed at Block 1119 Lot 1 and Block 1118, lot 1 and will be commencing during this reporting period at Block 1127 Lot 1 depending upon construction coordination. These injections will be completed as a remedial action under jurisdiction of New York State Department of Environmental Conservation (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 related to an exploratory trench across Flatbush near Atlantic, and test pits along Atlantic Avenue to 6th Avenue, including additional pits requested by DEP have been completed.
- During the course of utility installation work, the contractor may encounter ^{un}foreseen 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 ^{is} subcontractors will be conducting inspections, videotaping and cleaning of the new sewers in Atlantic and Flatbush as part of the sign off requirements for the DEP. Work will continue over the next two week period.

Demolition

- All buildings in the arena footprint have been demolished.
- Abatement has been completed at 802, 810 and 812 Pacific and 514 and 540 Vanderbilt Avenue.

- Demolition applications have been submitted to the Department of Buildings for 802, 810 and 812 Pacific and 514 and 540 Vanderbilt Avenue and are in the review process. Demolition will begin when permits are received.

Arena

- Waterproofing and backfilling along the outside of the arena Atlantic Avenue foundation wall will continue during this reporting period.
- Steel deliveries and steel erection will continue throughout this reporting period.
- Installation of SOE along the southern portion of the arena building, continuing down Dean continues during this period; additional rakers and sheeting is required in this area, as well as revisions to some existing SOE to accommodate the underpinning of TA tunnel wall and placement of sewer pipe along Flatbush Avenue. Within this same area, excavation will continue within the footprint of the arena (block 1127). During this period drilling for soldier piles and lagging will continue east of the Dean Street and Flatbush Avenue intersection.
- Mass excavation within the southeast quadrant of the site will continue during this reporting period.
- Work related to the SOE installation and related excavation within the southeast and southwest quadrants of the arena block, paralleling Dean Street, will continue during this reporting period.
- The excavation and SOE preparation for the ConEd vault on Dean Street will commence this period.
- VOC monitoring as required by the CAMP, as well as use of enhanced personal protective equipment (PPE) in some instances, will continue during SOE installation and excavation work on Block 1127 Lot 1. A concrete slab of approximately 2'-4 inches ("cap") will be placed at grade within the area where VOC releases have been elevated to allow work to continue with minimal enhanced PPE and to limit as much emissions as possible at this location. Monitoring by Hunt as well as an Onsite Environmental Monitor (OEM) is being done on a continuous basis to ensure a safe working environment as well as to confirm that there are no elevated VOC emissions migrating outside the project perimeter.
- Installation of footings along Flatbush Avenue in Block. 1127 continuing towards the intersection of Dean Street and Flatbush Avenue continues.
- The application of waterproofing to the foundation walls from the 6th Avenue at Pacific Street starting north and then west down Atlantic Avenue will continue during this reporting period. 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 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) and will proceed west down Atlantic Avenue during this reporting period. Underground plumbing will continue within the Block 1127 area 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 excavation for a new, temporary bowl access ramp that opens into Dean Street near intersection with Flatbush will commence during this reporting period.
- Underground electrical duct bank installation will continue as needed during this reporting period. This work is taking place within Block 1119 where the concrete foundations and footings are being poured. Work, formwork and rebar placement, related to the installation of the perimeter wall at the east end (6th Avenue) will continue during this reporting period. Underground electrical placement within Block 1127 is expected to commence during this period.
- Installation of the remaining portions of the 16' fence along and Flatbush Avenue will be completed during this period. Design of a 16' gate is being completed to replace the 8' gate currently in place on Dean Street gate
- The maintenance of the site to accommodate steel erection will continue during this period. Steel erection sequences 106-113 will be completed during this period, and sequences 206-213 (lift #2 @ lower suites to upper concourse elevation) will continue this period. Steel deck placement will continue in sequences 106-113 and 206-213 this period.
- 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.
- Coordination activity, including excavation to assist with the installation of the infrastructure piping at Flatbush Avenue and Dean Street will continue during this period.
- 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.

Atlantic Yards is participating in the City's Urban Canvas program which is managed by the City's Department of Buildings; as such a decorative covering has been installed on a portion of the construction fence facing Atlantic Avenue (approximately 200 feet in length); it is one of four sanctioned designs selected by the City. To find out more information about the program go to the following website: www.nyc.gov/urbancanvas

NYC Transit Improvements

- Production piles are in progress within the project footprint (Block 1118). Piles for the support of excavation along Atlantic Avenue have been substantially completed and excavation is now approximately 50% complete. Cross bracing has commenced and excavation will progress as the cross bracing is installed. Vibration and Tilt sensors have been installed and are being monitored per NYCT requirements. Pile installation has commenced along the Flatbush Avenue side of the project. Several piles will be drilled at night, in accordance with DOT requirements, within the approved MPT area along Atlantic Avenue.
- Work related to the excavation of test holes at various points within the project footprint will continue during this period as well.
- 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. 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). This area has been opened up and will be re-closed with temporary decking to allow construction work to proceed below street grade. This work will be performed at night and traffic will be restored every morning according to DOT stipulations. The temporary decking placement work will continue until the beginning of January due to pile installation logistics. This work will occur in conjunction with the pile work noted above.
- Minor mechanical, electrical and plumbing work within the subway station below ground is underway to accommodate new station configuration.
- Weather permitting, during this reporting period modifications to the existing MPT will be made entailing the may be made to the MPT, involving the installation of a curbline to separate the sidewalk pedestrian queue are from Atlantic Ave.

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:

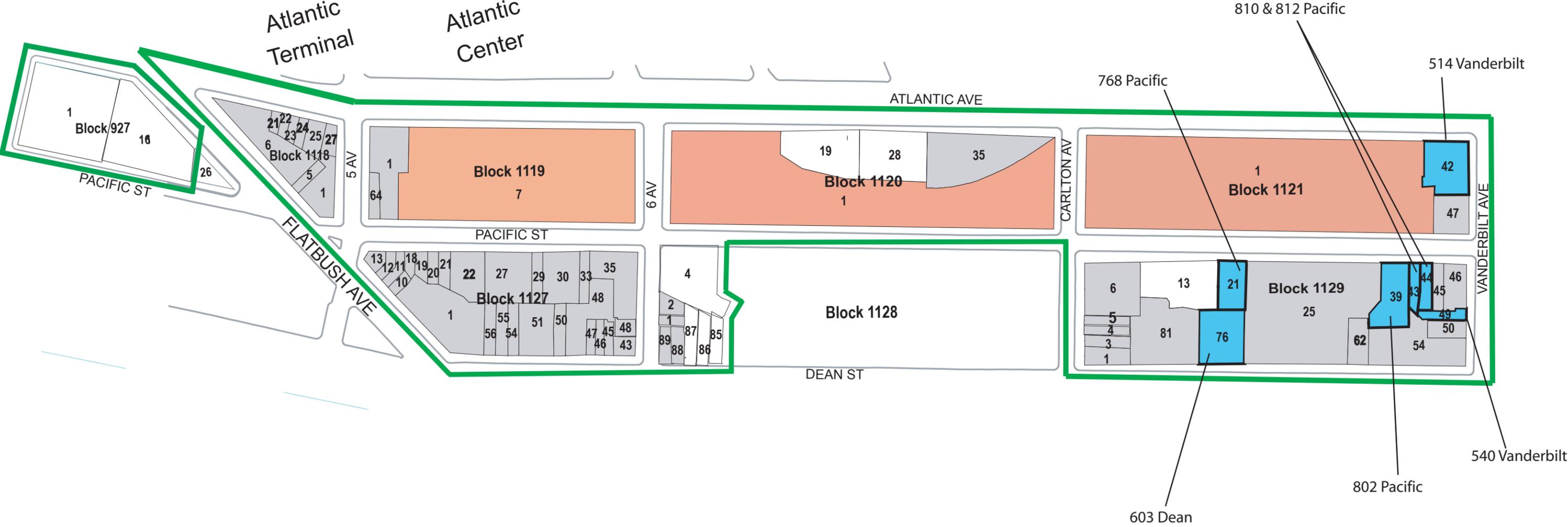
- Arena Site:
 - Weekend work will be scheduled no later than close of business on the preceding Thursday, December 23, 2010, where make-up work due to weather or other delays makes it necessary.
- NYC Transit Improvements:
 - Temporary decking that is being installed at the intersection Atlantic and Flatbush Avenue in connection with the Transit connection work will be performed at night per DOT requirements. Traffic will be restored every morning according to DOT stipulations.
 - Drilling of piles along the Flatbush Avenue and Atlantic Avenue will take place at night. Pile installed along Atlantic Avenue will be within the approved MPT area.
- Infrastructure:
 - Done anticipated at this time
- Demolition:
 - None anticipated at this time.
- Block 1129 – staging arena:
 - Contracting 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 Demolition Status

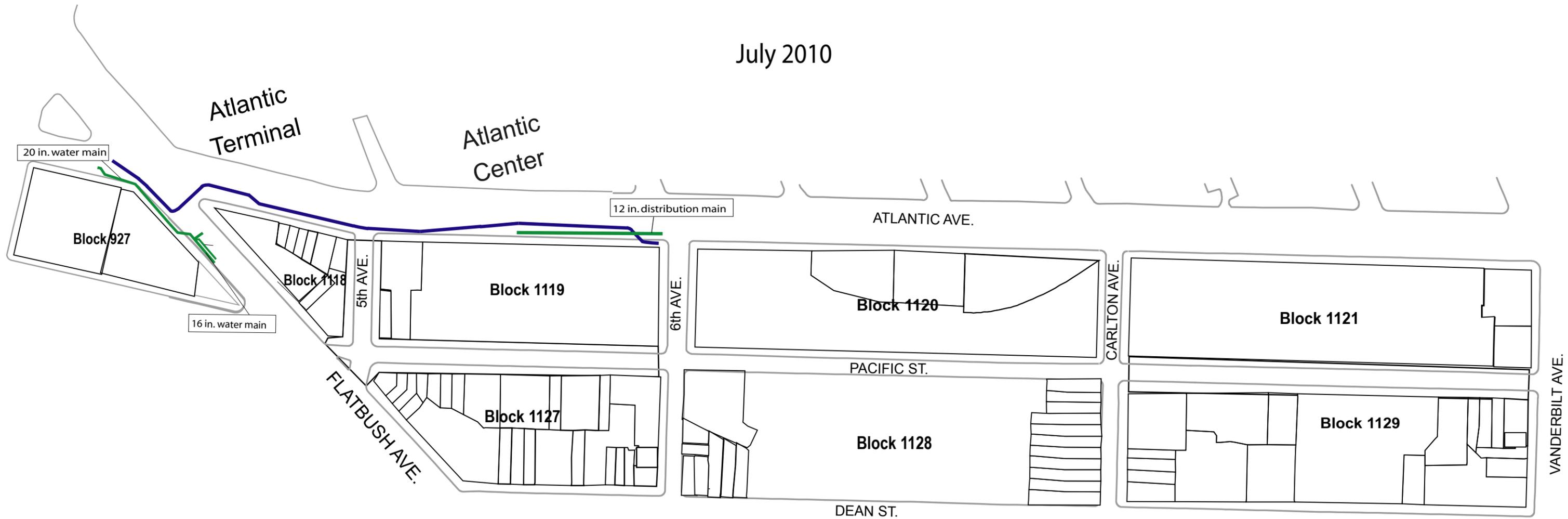


- vacant lot
- Abatement or Demolition Underway/ Filings in Progress
- LIRR Yard

as of December 7, 2010

Location of Water Main Work

July 2010



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