Columbia’s long-term plan for the old Manhattanville manufacturing area will revitalize the four former industrial blocks from 125th/129th to 133rd Street between Broadway and 12th Avenue, and three small blocks along the east side of Broadway from 131st to 134th Street, into an environmentally sustainable and publicly accessible center for academic and civic life woven into the fabric of the West Harlem community.

**Project Scope**

The initial phase of development will include the Jerome L. Greene Science Center, the Lenfest Center for the Arts, a new home for the Columbia Business School, and The Forum. Later phases will emphasize interdisciplinary scholarship, including biomedical engineering, nanotechnology, systems biology, and urban and population studies, as well as housing for graduate students and faculty.

**Current Construction Activity**

**The Forum**

Occupants have moved in. Punch list continues.

**Columbia Business School**

The Columbia Business School’s two new facilities, The Ronald O. Perelman Center for Business Innovation and the Henry R. Kravis Building, are currently under construction. Steel erection is in progress for both buildings and concrete on metal deck installation is ongoing. Curtain wall panels, supports, anchors, stairs installation and spray on fireproofing is in progress. Wall layout and shift wall installation is underway. Concrete slab on grade and vapor barrier installation is ongoing at the sub-cellar 3 level. Concrete Masonry Unit (CMU) wall installation is occurring at sub-cellar 1 and 3 levels.

**West 132nd Street Demolition**

The former Tuck-it-Away facility and adjacent building at 602 W. 132nd Street at West 132nd Street and Broadway started demolition the week of July 22.

**Central Energy Plant Expansion**

The Central Energy Plant, housed below the Jerome L. Greene Science Center and Lenfest Center for the Arts, is being expanded to provide supplemental heating and cooling to the Columbia Business School buildings. Ongoing activities include piping and ductwork installation; assembly of the boiler, chiller, and cooling tower; and off-site testing of emergency generators.

**Community News**

Pre-Apprenticeship Program Puts Upper Manhattan Residents on a Path to Success in Growing Construction Industry

Graduates of the new pre-apprenticeship program pose outside Uris Hall

A new pre-apprenticeship program exclusively for minorities, women and Upper Manhattan residents has launched, opening doors through training and a direct feed to apply for union apprenticeship opportunities in New York City’s burgeoning construction industry. The new program in West Harlem is one of many that Pathways to Apprenticeship (P2A) operates across the city to help people from low-income communities gain access to union construction apprenticeships. New York City Small Business Services (SBS) provides financial support, with the West Harlem Development Corporation (WHDC) providing additional funding as well as training space at its West Harlem Skills Training Center. Columbia University provides interview space and outreach support, as well as hosting the graduation ceremonies. The five-week, full-time pre-apprenticeship program for Upper Manhattan certifies participants with the key skills and required safety trainings needed to qualify for an apprenticeship opportunity with local construction unions, setting them on a career path toward stable jobs with good benefits. Of the first cohort, 23 students graduated June 17 at a ceremony hosted by Columbia University. The partner organizations are planning another cohort for October 2019.

(Continued on page 3)
What to Expect

Although contractors carefully stage construction activities to minimize disruption to the surrounding community, the nature of construction work is such that some disruptions will occur. The community should expect the following in the coming months:

- Regular work hours are 7:00 a.m. - 6:00 p.m., Monday through Friday
  - Weekend work may be performed.
- Closure of certain traffic lanes, parking lanes, sidewalks and crosswalks, including:
  - Refer to street signage for the west side of Broadway from 129th to 130th Streets — parking is allowed after 6:00 p.m. and on weekends.
  - Broadway sidewalk is open from West 129th to West 130th Street. The Broadway parking lane is a no parking zone.
  - West 131st Street between Broadway and 12th Ave is closed and will remain closed until the fourth quarter of 2019.
  - West 130th Street between Broadway and 12th Ave is a no standing or parking zone.

Community Amenities and Benefits

To access the Columbia University’s Community Services Website, please visit: manhattanville.columbia.edu then click “Community” in the navigation menu.

Minority, Women, and Local Businesses and Workforce

Columbia has made a significant commitment to the minority, women, and local (MWL) construction contracting and workforce community throughout the course of the project: MWL construction trade contracting goal of 35 percent and MWL construction trade workforce goal of 40 percent. Working with construction contractors and the building trades, Columbia is working to enhance the role MWL firms and workers play in building the new campus. All figures represent non-specialty construction services and related materials.

Construction Contracting

In the first quarter 2019 (January 1—March 31), Columbia paid $7,313,892 to MWL firms, representing 32 percent of total construction spend. A net amount of $4,312,151 was reclassified from payments made by local companies. This adjustment was due to a payment lag from local firms to their subcontractors (including many that were MWL) that occurred between previous quarters and this quarter.

Cumulatively from August 1, 2008, through March 31, 2019, Columbia paid $298,321,268 to MWL firms, representing 41 percent of total construction spend, excluding the amount paid to the construction manager. $142,150,244 of that figure was paid to local companies.

Construction Workforce

In the first quarter 2019 (January 1—March 31), the MWL construction workforce delivered 36,991 hours worked, representing 39 percent of the total workforce hours for the construction of the new Manhattanville campus. 2,420 hours of that figure were performed by the local workforce.

Cumulatively from August 1, 2008, through March 31, 2019, the MWL construction workforce delivered 1,696,026 hours worked, representing 49 percent of the total workforce hours for the construction of the new Manhattanville campus. 274,070 hours of that figure were performed by the local workforce.

Jobs and Opportunities

As the project progresses, we expect additional opportunities for people with a wide range of skills and experience in the coming years.

We are working with our construction partners Lendlease (for Phase 2 foundations/below-grade) and Turner Construction (for the Business School) to assist those interested in employment with construction firms currently working at Columbia. For more information, please visit the Manhattanville Employment Opportunities page at manhattanville.columbia.edu/jobs-opportunities.

To learn more about employment opportunities at Columbia University, including for the Manhattanville campus, please visit careers.columbia.edu.

Additional Information

This newsletter and our weekly construction updates (which contain more specific information about construction impacts) will be available on the web at manhattanville.columbia.edu and at various locations at the project site and throughout the Manhattanville area.

Please note that construction activities are subject to change based on field conditions. We appreciate the patience and cooperation of everyone who is temporarily inconvenienced by these projects.

Should you have questions about construction activity, call the Columbia Facilities Services Center at (212) 854-2222, 24 hours a day, 7 days a week, or e-mail projx@columbia.edu. For more project information, to view upcoming bid opportunities, and to sign-up for our e-mail updates visit manhattanville.columbia.edu.

Neighboring construction projects not related to Columbia

- New York City Department of Transportation’s Protective Coating of the Riverside Drive Viaduct from St. Clair Place to 135th St., please contact Community Liaison Hugh Smith at 917-434-1385 or via e-mail at riversideviaduct@gmail.com.

Wallach Sketch Session on August 3

The next Wallach Sketch Session, which is free and open to the public, is scheduled for Saturday, August 3 from 2:00 p.m. to 4:00 p.m. Experiment with different drawing techniques as you take a closer look at works on view in “After the End: Timing Socialism in Contemporary African Art”. Materials will be provided; no previous drawing experience required. All are welcome.
Pre-Apprenticeship Program Puts Upper Manhattan Residents on a Path to Success in Growing Construction Industry — continued from page 1

“Pathways to Apprenticeship is honored to work with such great partners in the community of Harlem,” said P2A Executive Director Lavon Chambers. “Together we will be creating pathways into the middle class. Our graduates will embark on a union career that will help them financially sustain themselves and their families.”

“None of this would be possible without our union building trade affiliates and union contractors sharing our vision. We will continue to serve Harlem and create opportunities for those who enter into the building trades,” continued Chambers.

As the first Upper Manhattan cohort completed the program, P2A has scheduled interviews with local construction unions so the newly minted graduates can apply for available apprenticeships. P2A tracks construction apprenticeship openings with unions citywide, and has established a network of peer mentors who provide graduates with résumé assistance, interview coaching, and aptitude test preparation.

Columbia has also helped establish key relationships between the participants and the University’s construction management firm for the new Business School, Turner Construction Corp., to help candidates apply to related apprenticeships with area unions that may be available, including on Columbia’s new Manhattanville campus development in West Harlem.

As New York City continues to add construction jobs in record numbers, with the highest annual total to date of 158,000 jobs in 2018 (source), new doors to opportunities across the region will continue to open.

“We are gratified by the successful collaboration among Columbia University, Pathways to Apprenticeship, Small Business Services, and West Harlem Development Corporation,” said Dr. Kofi A. Boateng, WHDC Executive Director. “Together, we are achieving outcomes that have the potential to catapult disconnected members of our community into middle-class livelihood. It is simply exciting!”

For Columbia, contributing to the pre-apprenticeship program is just one key element of the University’s overall package of commitments to the local community, which includes support for housing, healthcare, education, and employment.

“Skills development programs like this one are vital to empowering our neighbors,” said Christine Salto, Assistant Director of Compliance for Construction Business Initiatives. “We are pleased to be able to join Pathways to Apprenticeship, the West Harlem Development Corporation, and the City to help neighbors in Upper Manhattan succeed, and aim to continue to expand the skills trainings and professional development offerings we support.”

For those interested in the program, please email info@p2atrades.org.

Community News

STEM Starters — Weekend science workshops for middle and high school students

STEM Starters is an outreach program run by Columbia University graduate students who are passionate about teaching kids science, technology, engineering and math (STEM). Every month, middle and high school students are invited to join an afternoon of experiments in different fields of science.

We want to inspire every student’s inner scientist by showing that science is all around us and that exploring the world through STEM is really fun! From demonstrating how electronic circuits work to exploring animal behavior, we encourage students to engage scientifically with their world.

Students learning about electronics at a recent STEM Starters workshop. (Photo: Columbia University Zuckerman Institute)

“Saturday Science” Events Return to the Education Lab

The next Saturday Science at the Zuckerman Institute’s Education Lab is scheduled for September 28 from 1:00 p.m. to 4:00 p.m. (Photo: Paula Croxson for Columbia’s Zuckerman Institute)

Mark your calendars for the fall 2019 schedule:

September 21
October 19
November 9

STEM Starters is open to middle and high school students. Registration required. Adults are welcome to accompany children and stay for the session. For more information, please contact STEMstartersCU@gmail.com.

Families and community groups are invited to explore the workings of the brain through hands-on activities and unique scientific resources at Saturday Science events. Activities and demonstrations are designed to be engaging, informative, and used as launching points for further exploration, reflection and discovery. Learners of all ages can join scientists in the Zuckerman Institute’s Education Lab, located at 609 West 129th Street, for the events.

Saturday Science events are held monthly through the school year. Themes and materials change monthly to incorporate the wide ranging topics in neuroscience and the latest discoveries coming from Zuckerman Institute labs. Students attending Saturday Science events receive a passport and are encouraged to collect stamps for participation in events throughout the year.

Fall 2019 Schedule:

September 28: Your Amazing Brain
October 26: Making Sense
November 16: Do You Remember?
December 7: Making Choices

Visit zuckermaninstitute.columbia.edu/saturday-science for more information and to register to guarantee your attendance. Guests can arrive at any time between 1:00 p.m. and 4:00 p.m. Saturday Science is free and open to the public.

(Over)
Construction Progress Images

Columbia Business School site, looking north

Lenfest Center for the Arts (left) and the Jerome L. Greene Science Center, with the Small Square in the foreground

The Forum, looking north (Photo credit: Frank Oudeman/Columbia University)

Aerial view looking northeast

Sustainable Partnerships

August 2019 Update
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