

STUDENT HOUSING EXPERIENCE



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MONTCLAIR STATE UNIVERSITY - THE HEIGHTS

Location: Little Falls, NJ
Client: Montclair State University
Architect: Design Collective Architecture (Design)
Partner: Capstone Companies
Services: Geotechnical, Site/Civil, Surveying/Geospatial, Environmental,
Natural Resources & Permitting

OVERVIEW

The first 'Public Private Partnership' enabled by the New Jersey Economic Stimulus Act of 2009, this \$200-million project is privately financed and adds 2,000 new beds and 24,000 SF of dining capacity on Montclair State University's campus. This particular site was a rock quarry and posed many design challenges including steep slopes and shallow rock. Design had to accommodate a very aggressive schedule and budget goals as well as maintaining active utilities and roadways. Langan performed a site-specific shear wave velocity test which allowed the site classification to be upgraded. The result of the upgrade resulted in a 10% saving of the building superstructure cost. This project received LEED Silver certification by the USGBC.

AWARDS

10/2015 LEED Silver Certification by the USGBC

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RUTGERS UNIVERSITY - THE YARD @ COLLEGE AVENUE

Location: New Brunswick, NJ
Client: New Brunswick Development Corporation (DEVCO)
Architect: Elkus Manfredi
Services: Site/Civil, Traffic & Transportation

OVERVIEW

The Yard @ College Avenue is slated to be the new focal point of the Rutgers New Brunswick campus. This 14-story apartment complex will add housing for approximately 450 students. The building's U-shaped design allows for a 25,000 SF public courtyard that is lined with commercial vendors and a shore-style boardwalk. Langan provided site/civil engineering design services including site layout, stormwater management, and utility design. In addition, Langan provided the necessary permitting support.

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Credit: Jeffrey Totaro

RUTGERS UNIVERSITY - JAMESON HALL

Location: New Brunswick, NJ
Client: Rutgers University
Architect: Clarke Caton Hintz
Services: Site/Civil, Geotechnical, Surveying/Geospatial

OVERVIEW

The Global Village Learning Center is a 19,000-SF living-learning facility located at the Douglass Residential College. The building was built to seamlessly incorporate with the other surrounding dormitory buildings built in 1927. The new residential building provides dorm rooms in addition to classroom, assembly, and lounge space with the mission of enriching the students on global issues and leadership. Langan provided site/civil, geotechnical, and surveying engineering services on the project. Site challenges included several utility relocations and limited space for stormwater management features.

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RUTGERS UNIVERSITY - LIVINGSTON CAMPUS HOUSING EXPANSION

Location: Piscataway, NJ
Client: Fletcher Thompson Architecture
Services: Site/Civil, Surveying/Geospatial, Natural Resources & Permitting

OVERVIEW

Langan performed site/civil engineering, permitting, and surveying services for a three-building housing complex designed to accommodate 1,500 students. The housing complex includes a total of 35,000 SF of retail space on the ground floor. Site improvements included plazas and courtyard areas, parking, and roadway systems.

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THE STANDARD

Location: New Brunswick, NJ
Client: Landmark Properties
Architect: BKV Group
Services: Site/Civil

OVERVIEW

The Standard is a proposed mixed-use development located in Downtown New Brunswick. The 22-story building will consist of 186 residential units, ground floor retail, and structured parking. Langan is providing site/civil and permitting services to prepare all the necessary plans and reports for preliminary and final site plan approval. These services include site layout, grading and drainage, stormwater management, and utility design.

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RESIDENCES AT EASTON AND HAMILTON

Location: New Brunswick, NJ
Client: Collegiate Development Group
Architect: Cube3 Studio
Services: Site/Civil, Surveying/Geospatial, Traffic & Transportation,
Environmental

OVERVIEW

Langan is providing engineering design services for this project, which proposes the construction of a nine-story mixed-use building with below-level parking and other amenities. The mixed-use development will consist of approximately 181 apartment style units and ground floor retail and restaurant space. The building is designed to act as a transition between Rutgers University's College Avenue Campus and the nearby residential neighborhood.

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STOCKTON UNIVERSITY - RESIDENCE HALL

Location: Atlantic City, NJ
Client: Atlantic City Development Corporation (AC DEVCO)
Architect: SOSH Architects, Elkus | Manfredi Architects
Services: Geotechnical, Traffic & Transportation, Surveying/Geospatial

OVERVIEW

Langan is providing multi-disciplined engineering and surveying services for Stockton University's new campus located in Atlantic City's Chelsea neighborhood. The new mixed-use campus will feature housing, academic buildings, a parking garage, and office space for South Jersey Industries.

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WILLIAM PATERSON UNIVERSITY - RESIDENCE HALL

Location: Wayne, NJ
Client: William Paterson University
Architect: Clarke Caton Hintz
Services: Site/Civil, Natural Resources & Permitting, Geotechnical,
Traditional Surveying

OVERVIEW

This project is part of a master plan to modernize and add to the available dormitory housing. The new facility will replace the outdated Overlook North dormitory and allow for phased renovation of other dormitory facilities. Langan provided site design including programming, schematic and final design services. Our design services included site survey, natural resources, wetland and reforestation permitting, geotechnical investigations, site grading, stormwater management, roads and walkways, utility infrastructure and soil erosion and sediment control.

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Credit: Niles Bolton Associates

NEW JERSEY CITY UNIVERSITY - WEST SIDE VILLAGE

Location: Jersey City, NJ
Client: Ambling University Development Group
Architect: Niles Bolton Associates
Services: Site/Civil, Geotechnical, Environmental, Surveying/Geospatial

OVERVIEW

Langan is providing a variety of engineering and consulting services for the West Side Village student dormitory building. The approximately 100,000-SF, 425-bed dormitory will be located on the New Jersey City University West Campus and will be one of two buildings being constructed that will mark the start of vertical construction on the West Campus.

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RUTGERS UNIVERSITY - 15 WASHINGTON STREET

Location: Newark, NJ
Client: Rutgers University
Architect: Newman Architects
Services: Site/Civil, Landscape Architecture, Surveying/Geospatial

OVERVIEW

Langan provided surveying, civil engineering, landscape architecture, and asbestos abatement services for the renovation of an existing 21-story building, built in 1930, into student housing, a welcome center, auditorium, store with café, and other administrative uses. This facility complements the Rutgers Newark Campus, establishing its northeastern edge along Washington Street.

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SWARTHMORE COLLEGE - NPPR RESIDENCE HALL

Location: Swarthmore Borough, PA
Client: Swarthmore College
Architect: DIGSAU Architecture
Services: Site/Civil, Geotechnical, Traditional Surveying

OVERVIEW

In order to accommodate a rapidly growing student population, Swarthmore College added a 128-bed residence hall near its Palmer, Pittenger and Roberts residence-hall complex. Langan provided site/civil, survey, and geotechnical engineering services to facilitate designing, permitting, and constructing the new residence hall. The project was designed to minimize environmental impact by following the recommendations established in the college's sustainability framework. To meet the college's sustainability goals, Langan worked closely with the project landscape architect, Studio Bryan Haynes, to design the site to preserve trees, respect the ball fields adjacent to the resident-hall quadrant, provide outdoor space for student enjoyment, provide low-impact stormwater-management features, and conserve energy. Langan's experience with designing and permitting innovative stormwater management on tight urban sites was a key contribution to the success in the design and approval process for this project.

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USCIENCES - 1ST YEAR RESIDENCE HALL

Location: Philadelphia, PA
Client: Design Collective Inc., University of Sciences , Campus
Apartments
Architect: Design Collective
Services: Site/Civil, Surveying/Geospatial

OVERVIEW

To better meet the needs of its students, University of the Sciences constructed a new, 126,000-SF mixed-use residence hall on the its main campus in the University City area of Philadelphia. The 426-bed residence hall for first-year students is a live-learn community that incorporates numerous sustainable features to achieve Green Globes building certification through the Green Building Initiative. To facilitate this new development, Langan designed the open-air plaza and streetscape on the neighboring streets and spearheaded the land-development permitting process with the City of Philadelphia agencies. The tight urban site, combined with substantial grade changes around the property, created complexity; especially with respect to the stormwater management and ADA accessible design.

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CARNEGIE MELLON - 5TH AND CLYDE RESIDENCE HALL

Location: Pittsburgh, PA
Client: Carnegie Mellon University
Architect: LTL Architects
Partner: PWWG, Burohappold Engineering, Silman, Merritt/Chase
Services: Site/Civil, Geotechnical, Traffic & Transportation,
Surveying/Geospatial

OVERVIEW

Carnegie Mellon University (CMU) is experiencing significant campus expansion which includes new residence halls and HUBs for each campus neighborhood. The 5th & Clyde residence hall will be a six story, 120,000-GSF development and will include approximately 250 beds. Langan is providing site/civil engineering services as a part of the design team. Additionally, we are also providing geotechnical engineering, traffic engineering, and surveying services.

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CLEVELAND INSTITUTE OF ART STUDENT HOUSING

Location: Cleveland, OH
Client: NewBrook Partners
Architect: Vocon
Services: Site/Civil, Surveying/Geospatial, Environmental, Landscape Architecture

OVERVIEW

Langan provided multi-discipline services for the new 4-story, 53-unit student housing development at the Cleveland Institute of Art. This complex urban project included multiple layers of city and agency approvals for the stormwater management, utility infrastructure, road vacation, and building permitting. Langan provided site planning, surveying, civil engineering, environmental, landscape architecture, and construction administration for the project.

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UNIVERSITY OF CONNECTICUT - NEXT GENERATION CONNECTICUT HALL

Location: Storrs, CT
Client: University of Connecticut
Architect: JSA Architects
Services: Geotechnical

OVERVIEW

Langan provided geotechnical engineering services for this design-build project at University of Connecticut (UCONN). The 210,000 SF student residence building is an eight-story structure housing 727 students. This dormitory is the first phase of the Next Generation initiative to support the additional education incentive for the Science Technology Engineering and Math programs at UCONN.

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COLUMBIA UNIVERSITY MANHATTANVILLE

Location: New York, NY
Client: Columbia University
Architect: Davis Brody Bond
Partner: Lend Lease
Services: Environmental

OVERVIEW

Langan was retained to serve as the lead environmental engineer and consulting firm for the University's 17-acre Manhattanville campus development in West Harlem. The development and expansion is comprised of academic and research facilities, housing for graduate students, faculty, and other employees of Columbia University, as well as retail stores and open space areas.

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HOWARD UNIVERSITY - RESIDENCE HALLS

Location: Washington, DC
Client: Campus Apartments
Architect: McKissack & McKissack
Services: Geotechnical, Environmental

OVERVIEW

Langan provided multi-disciplinary services for the construction of two six-story residence halls for Howard University in Washington, DC. The 30,000-SF College Street residence hall site was formerly occupied by a dormitory structure and the 80,000-SF Bryant Street Residence Hall site was formerly occupied by row homes and an elementary school, both of which presented significant challenges for the redevelopment. This project is LEED Silver Certified.

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UNIVERSITY OF MIAMI - CENTENNIAL VILLAGE

Location: Coral Gables, FL
Client: University of Miami
Architect: VMDO/Zyscovich
Services: Site/Civil, Geotechnical

OVERVIEW

Langan is the site/civil and geotechnical engineer-of-record for the second phase of a 10-year plan master plan to modernize the campus. The project includes demolition of six buildings and construction of four, 10-story student housing residential buildings. Langan is assisting with design in the upland areas as well as elements near or below the high water line of Lake Osceola and existing drainage canals.

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Credit: Verde Design

UCSF MISSION BAY - STUDENT HOUSING

Location: San Francisco, CA
Client: University of California at San Francisco (UCSF)
Architect: Verde Design, Inc.
Services: Geotechnical

OVERVIEW

The UCSF Mission Bay Student Housing consists of four separate buildings totaling 298,800 SF to house more than 750 UCSF students, postdoctoral scholars, and their families. Three buildings are mid-rise, ranging from 7 to 10 stories, and the fourth, called Hearst Tower, is 15 stories tall (155 feet). The four buildings surround an at-grade courtyard.

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UC BERKELEY - BANCROFT RESIDENCE HALL

Location: Berkeley, California
Client: ACC OP Development LLC
Architect: Solomon Cordwell Buenz (SCB) '
Partner: Webcor, Tipping Mar Structural Engineers
Services: Geotechnical, Surveying/Geospatial, Site/Civil

OVERVIEW

Bancroft Residence Hall at UC-Berkeley is a proposed 183,500 SF, 8-story building that will house 775 students. The hall will offer greater amenities in the rooms, bathrooms, social lounges, and ground-floor compared to current residence halls on campus. Langan provided services for all development phases of the Bancroft Residence Hall. Our team conducted a geotechnical investigation, provided construction observation services, and prepared a preliminary and final American Land Title Association (ALTA) boundary survey.

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