

PROJECT SPOTLIGHT TOUR: LANGAN LEADER,  
SEPTEMBER 2020



Technical Excellence   Practical Experience   Client Responsiveness

Learn more about Langan's involvement in our featured projects.

Lehigh University - Singleton, Hitch & Maida Houses - Bethlehem, PA

UCSF Research & Academic Building at ZSFG - San Francisco, CA

Covenant House - New York, NY

AmeriHealth Caritas at Ellis Preserve - Newtown Square, PA

Sixth Wave Logistics - Bayonne, NJ

Hill Central - New Haven, CT

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## LEHIGH UNIVERSITY - SINGLETON, HITCH & MAIDA HOUSES

<http://www.langan.com/portfolio/lehigh-university-singleton-hitch-maida-houses>

Location: Bethlehem, PA  
Client: Lehigh University  
Architect: Sasaki Associates  
Services: Site/Civil, Geotechnical, Surveying/Geospatial, Traffic & Transportation

### OVERVIEW

As part of Lehigh University's Residential Life Master Plan, a number of new residential life facilities are being added to the Asa Packer Campus. The project will better connect the campus via improved walkways and an accessible route through the common areas of the buildings and will reduce stormwater runoff through the use of green roofs and underground basins. Langan prepared a site and grading plan to illustrate possible site work improvements. We also conducted a traffic and pedestrian study along the Trembley/University Drive corridor. With this study, we investigated potential improvements, explored impacts, and acquired necessary approvals from the City of Bethlehem and the ADA Advisory Board to redirect traffic on campus and create a pedestrian promenade for students and faculty. Langan also provided geotechnical engineering design, investigation and reporting, rock excavation investigation, and slope stability analysis, and will remain engaged in the project throughout construction. The project is pursuing LEED certification.

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## UCSF RESEARCH & ACADEMIC BUILDING AT ZSFG

<http://www.langan.com/portfolio/ucsf-research-academic-building-at-zsfg>

**Location:** San Francisco, CA  
**Client:** The Boldt Company  
**Architect:** Skidmore, Owings & Merrill (SOM)  
**Partner:** Degenkolb  
**Services:** Geotechnical, Earthquake/Seismic

### OVERVIEW

Located on the historic campus of the Zuckerberg San Francisco General Hospital (ZSFG), the 5-story, at-grade building is a seismic replacement project delivered via design-build to house faculty and staff of the University of California, San Francisco (UCSF). Langan conducted a geotechnical investigation to evaluate subsurface conditions and seismic hazard evaluation to meet the requirements set by UCSF Technical Performance Criteria and UC Seismic Policy.

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## COVENANT HOUSE

<http://www.langan.com/portfolio/covenant-house>

Location: New York, NY  
 Client: Gotham Organization, Covenant House International  
 Architect: FXCollaborative  
 Partner: Monadnock Construction  
 Services: Geotechnical, Site/Civil, Environmental, Surveying/Geospatial

### OVERVIEW

Founded in 1972, Covenant House is the largest privately funded agency in the Americas focused on providing assistance to homeless youth. The new state-of-the-art, 80,720-SF, 12-story building in the Hell's Kitchen neighborhood of Manhattan features 53,000 SF of residential space. This is the first supportive housing by Covenant House in 48 years and is dedicated to raising awareness concerning the city's homelessness problem. Our team of geotechnical, environmental, and site/civil engineers provided the developers with a single source solution to all of their ground-down engineering needs. This collaborative approach included the permitting required to obtain New York City Transit Authority approval for all geotechnical and environmental investigation, the placement of new electrical vaults, and the resulting support of excavation design that was completed in close proximity to the new 7 line subway tunnel.

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## AMERIHEALTH CARITAS AT ELLIS PRESERVE

<http://www.langan.com/portfolio/amerihealth-caritas-at-ellis-preserve>

Location: Newtown Square, PA  
 Client: BPG Development Company for AmeriHealth Caritas  
 Architect: Francis Cauffman Architects  
 Services: Landscape Architecture

### OVERVIEW

AmeriHealth Caritas, a leader in Medicaid managed care and other healthcare solutions, is expanding its corporate headquarters to create two campuses in the Philadelphia area. Langan is providing landscape architecture and site lighting plans for the new 378,000-SF headquarters buildings which were designed in close collaboration with the architect to create a seamless flow between the buildings and outdoor public spaces. Langan helped the contractor comply with an aggressive construction schedule, while staying within the project budget by working remotely on design, permitting, and contractor meetings and conducting field visits that complied with all distancing and PPE requirements.

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Credit: M+H Architects

## SIXTH WAVE LOGISTICS

<http://www.langan.com/portfolio/sixth-wave-logistics>

Location: Bayonne, NJ  
 Client: Delta Storage  
 Services: Geotechnical, Site/Civil, Natural Resources & Permitting,  
 Surveying/Geospatial, Traffic & Transportation

### OVERVIEW

Sixth Wave Logistics is redeveloping a strategic infill site, with a state of the art 195,000-SF warehouse building with car and trailer parking lots. For this redevelopment, Langan is providing site/civil, traffic, and geotechnical engineering, surveying, professional planning, and natural resources. The site/civil team evaluated utility services to the project site including stormwater, sanitary sewer, water, electric, and gas. This included calculating anticipated utility demands, obtaining hydrant flow tests to verify the available water pressure and flow or ordering tests if none are available. Additionally, the site is located in the tidal flood plain so Langan developed a grading design to elevate the building out of the regulated flood hazard area. Lastly, Langan developed a stormwater management system to reduce flows from the site into the adjacent constrained city conveyance system. This project requires obtaining approvals from the City Planning Board and NJDEP Land Use Group.

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## HILL CENTRAL

<http://www.langan.com/portfolio/hill-central>

Location: New Haven, CT  
 Client: Westmount, Newman Architects  
 Architect: Newman Architects  
 Services: Site/Civil, Geotechnical, Environmental, Landscape Architecture

### OVERVIEW

The proposed project includes the phased demolition of the existing Hill Central Community Cooperative and the construction of new townhouses and community amenity spaces across four separated parcels in the Hill neighborhood of New Haven. The project is to be completed in phases to allow current residents to continue living on site during construction. Langan's site/civil and landscape architecture teams worked closely with Newman Architects and Westmount to develop site layouts to accommodate the buildings and required amenity spaces. Our geotechnical engineers performed a subsurface exploration and prepared geotechnical engineering reports.

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