

## LANGAN HEALTHCARE EXPERIENCE - NYC

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## MOUNT SINAI CENTER FOR SCIENCE AND MEDICINE

<https://www.langan.com/portfolio/mount-sinai-center-science-medicine>

Location: New York, NY  
Client: Mount Sinai Hospital  
Architect: Skidmore, Owings & Merrill LLP  
Services: Geotechnical, Site/Civil, Surveying/Geospatial

### OVERVIEW

The Mount Sinai Research Center, in the Upper East Side section of Manhattan, is a 1.5-acre parcel occupying about three-quarters of a city block along Madison Avenue. The site is comprised of an 11-story building with a four cellars. A tunnel, approximately 250-feet east of Fifth Avenue, connects the proposed Research Center to Mount Sinai's Guggenheim Pavilion to the south. Langan's role on this project included site/civil, surveying and geotechnical engineering services. Challenging aspects included the ongoing infrastructure work to accommodate a tunnel beneath a congested New York City street.

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## LENOX HEALTH GREENWICH VILLAGE

<https://www.langan.com/portfolio/lenox-health-greenwich-village>

- Location: New York, NY
- Client: Northwell Health (formerly North Shore-LIJ)
- Architect: Perkins Eastman
- Partner: Jones Lang LaSalle, Robert Silman Associates, Bard, Rao + Athanas Consulting, Turner Construction
- Services: Site/Civil, Geotechnical, Surveying/Geospatial

### OVERVIEW

Originally designed in 1964, the landmarked building was formerly home to St. Vincent's Medical Center. The 160,000-SF building underwent a restoration and adaptive reuse and now serves as Manhattan's first free standing emergency department. Features for the redesigned structure included the addition of ambulance bays and a separate entrance for patient surgery and other services. Langan's involvement at the site dates back to its previous ownership by St. Vincent hospital, when we provided environmental, geotechnical and survey services. Our more recent work for Northwell Health consisted of consulting during upfront certification and the city review process, surveying, a review of available building plans, a subsurface evaluation, and day-to-day coordination with the client and the design team.

### AWARDS

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## MEMORIAL SLOAN-KETTERING - THE JOSIE ROBERTSON SURGERY CENTER

<https://www.langan.com/portfolio/memorial-sloan-kettering-josie-robertson-surgery-center>

Location: New York, NY  
Client: Memorial Sloan-Kettering Cancer Center  
Architect: Perkins Eastman  
Services: Surveying/Geospatial, Environmental

### OVERVIEW

Located six blocks south of the hospital's main campus, Memorial Sloan-Kettering Cancer Center is building a new Surgery Day Hospital (SDH) at this Upper East Side location. The new center will have 12 operating rooms, five more than the current SDH. Langan's environmental services included an asbestos survey, preparation of abatement documents, permitting support, and monitoring of abatement. Langan surveyors performed a complete topographic, utility, and boundary survey of the site as well as the surrounding properties and streets. 3-D laser scanning was also used at the site in order to provide full elevation views of the adjacent buildings.

### AWARDS

2016 Healthcare Design Magazine Showcase, Honorable Mention

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## NEW YORK-PRESBYTERIAN HOSPITAL MODERNIZATION

<https://www.langan.com/portfolio/new-york-presbyterian-hospital-modernization>

Location: New York, NY  
Client: The New York-Presbyterian Hospital  
Architect: HOK, Taylor Clark Architects, Inc.  
Partner: Thornton Tomasetti, Lehrer McGovern, Inc.  
Services: Geotechnical

### OVERVIEW

The New York-Presbyterian Hospital, the largest hospital in the United States, underwent a \$1-billion modernization program which included new construction, renovation, demolition, phased relocations, and extensive repairs to its campus infrastructure in order to create a state-of-the-art full-service hospital complex. Langan was the geotechnical and foundation engineering consultant for the project.

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## KINGS COUNTY HOSPITAL

<https://www.langan.com/portfolio/kings-county-hospital>

Location: Brooklyn, NY  
Client: New York City Health & Hospital Corporation  
Architect: HOK/Ellerbe  
Partner: Ysrael A. Seinuk, P.C.  
Services: Geotechnical, Surveying/Geospatial, Environmental

### OVERVIEW

Langan provided extensive geotechnical engineering and surveying services for this 2,000,000-SF expansion of the Kings County Hospital Complex. Langan provided engineering inspections for foundation preparation including supervision and field testing for removal of old fill and replacement with compacted fill. Langan also reviewed field and laboratory testing reports for compacted fill and foundation subgrade construction throughout the site. Survey services were also provided and included a boundary survey of the entire site, as-built surveys of completed construction and survey monitoring of exhaust stacks during excavation adjacent to the stack footings.

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## NEW YORK METHODIST HOSPITAL - CENTER FOR COMMUNITY HEALTH

<https://www.langan.com/portfolio/34832-2>

Location: Brooklyn, NY  
Client: New York Methodist Hospital  
Architect: Perkins Eastman  
Partner: CBRE  
Services: Geotechnical, Site/Civil

### OVERVIEW

Located adjacent to New York Methodist Hospital in Brooklyn's historic Park Slope community, this seven-story ambulatory facility provides 480,000 SF of space. Building features include a cancer center with a radiation/oncology department, 10-room surgery suite, health education center, wound care facility, community outreach services, and faculty offices. Langan investigated subsurface conditions and developed recommendations for foundation support and other geotechnical aspects of design and construction. Site/civil engineering services included site-wide sidewalk, roadway, and landscaping design. Langan coordinated directly with local regulatory agencies including New York City Department of Buildings, Department of Transportation, Department of Environmental Protection (DEP), and Department of Parks and Recreation for permitting and approvals.

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## NYU LANGONE MEDICAL CENTER

<https://www.langan.com/portfolio/nyu-langone-medical-center-4>

Location: New York, NY  
Client: New York University (NYU), Langone Medical Center  
Architect: NBBJ, Ennead Architects  
Partner: LERA, Severud Associates  
Services: Geotechnical, Site/Civil, Surveying/Geospatial

### OVERVIEW

Founded in 1841, the New York University (NYU) Langone Medical Center is consistently recognized as one of the best hospitals in the nation. To remain on the cutting edge of patient care and academic research, NYU has identified and undertaken numerous projects to improve the medical center under its 'Campus Transformation' project. Utilizing our expertise on geotechnical, survey, and site/civil engineering, Langan serves a primary role in the planning, design, and construction of new buildings and upgrades throughout the medical center campus.

### AWARDS

2020 ULI New York Awards for Excellence in Development

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## MEMORIAL SLOAN-KETTERING CANCER CENTER PLAZA

<https://www.langan.com/portfolio/memorial-sloan-kettering-cancer-center-bernplaza>

Location: Bernards Township, NJ  
Client: Memorial Sloan-Kettering Cancer Center  
Partner: Barr & Barr  
Services: Landscape Architecture, Site/Civil, Geotechnical,  
Environmental, Earthquake/Seismic, Traditional Surveying

### OVERVIEW

Langan is providing its full services to this premier cancer center treatment facility in New Jersey. As part of the design team, a †green† philosophy driven by patient experience, site aesthetics, and adjacent woodland views greatly influenced planning and development.

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## KINGS COUNTY HOSPITAL CENTER, BEHAVIORAL HEALTH

<https://www.langan.com/portfolio/kings-county-hospital-center-behavioral-health>

Location: Brooklyn, NY  
Client: New York City Health & Hospitals Corporation  
Architect: RBSD Architects  
Services: Geotechnical, Surveying/Geospatial, Environmental

### OVERVIEW

Phase IV of the Kings County Hospital Center (KCHC) campus-wide modernization project consisted of a new 7-story, 300,000-SF Behavioral Health Center ('R' Building) that provides 230 private and semi-private Inpatient Mental Health and Chemical Dependency beds and a new Psychiatric Emergency Center. Langan developed a geotechnical engineering study for the new building. Langan also performed an environmental assessment including an investigation to determine the interior building conditions with respect to asbestos containing materials, lead paint materials, and PCB/mercury components.

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