BRONX TERMINAL MARKET

Location: Bronx, NY
Client: The Related Companies
Architect: GreenbergFarrow, BBGM
Partner: Thornton Tomasetti
Services: Environmental, Geotechnical, Site/Civil

OVERVIEW

Adjacent to the Harlem River and immediately south of Yankee Stadium, the redevelopment of the 18-acre portion of the Bronx Terminal Market included demolition of several of existing buildings, and development of approximately one million square feet of new retail, restaurant and neighborhood services, structured parking for 2,800 vehicles, and a 250-unit hotel.
STATEN ISLAND MALL EXPANSION

Location: Staten Island, NY
Client: General Growth Properties
Architect: S9 Architecture
Services: Site/Civil, Geotechnical, Landscape Architecture, Traffic & Transportation, Surveying/Geospatial

OVERVIEW
Langan is providing multiple engineering services in support of an approximately 340,000-SF expansion to the existing 1.2M-SF mall in the Heartland Village neighborhood. The project includes a two-story mall expansion, two outparcel buildings, a plaza area and the construction of a multi-level, 825-space parking garage on the 100-acre facility.
WOODBURY COMMON PREMIUM OUTLETS EXPANSION

Location: Woodbury, NY
Client: Woodbury Associates and The Chelsea Group
Services: Site/Civil, Traffic & Transportation, Environmental, Surveying/Geospatial

OVERVIEW

Langan spearheaded the consulting team responsible for the planning, Environmental Impact Statement, and design of the proposed expansion to the Woodbury Commons Factory Outlet Complex. The project included traffic impact studies and roadway/intersection evaluation and improvements to Routes 6 & 17, the Route 6/17 Intersection and the Route 32 intersection with Route 6 and Route 17. An important part of the EIS process involved the delineation of the site's freshwater wetland resources. A US Army Corps of Engineers permit was obtained for several small wetland areas disturbed by the improvements and facility expansion.
SHOPPES AT OLD BRIDGE

Location: Old Bridge, NJ
Client: Stanbery Development
Architect: Meacham & Apel
Services: Site/Civil, Landscape Architecture, Natural Resources & Permitting

OVERVIEW

The Shoppes at Old Bridge is a 124,846 square foot lifestyle center located along Route 9 in Old Bridge Township, New Jersey. Roadway improvements included widening of two regional roadways in the area. Signal replacement, drainage improvements and offsite utility improvements were included in the design and permitting of this project.
BAYONNE CROSSING

Location: Bayonne, NJ
Client: The Cameron Group
Services: Environmental, Site/Civil, Geotechnical, Traditional Surveying, Traffic & Transportation, Landscape Architecture

OVERVIEW

This 356,000-SF power shopping center is anchored by both a Lowe's Home Improvement and Walmart Supercenter. The 29-acre brownfield site, formerly part of an oil refinery and major industrial facility, required extensive environmental remediation prior to redevelopment. Langan provided and coordinated all site/civil, traffic, environmental, geotechnical and permitting/entitlement services.

AWARDS

2012 American Council of Engineering Companies, Engineering Excellence Award
MD ANDERSON CANCER CENTER AT COOPER PLAZA

Location: Camden, NJ
Client: Cooper University Hospital
Services: Landscape Architecture, Site/Civil, Geotechnical, Environmental, Natural Resources & Permitting, Traditional Surveying

OVERVIEW
Langan is supporting the multi-story, 103,000-SF world-class cancer institute. The design includes a public plaza and garden, and a renovated landscape. The project has undergone extensive conceptual planning, programming, and site planning studies to locate the facility on an extremely tight urban site. Stormwater runoff from the proposed site was minimized by reducing the amount of on-site surface parking in favor of a heavily landscaped plaza space.

AWARDS
2013 US Green Building Council New Jersey, Emerald Award - Urban Green Project
2013 American Council of Engineering Companies, Diamond Award
HACKENSACK UNIVERSITY MEDICAL CENTER EXPANSION

Location: Hackensack, NJ  
Client: Hackensack Meridian Health  
Architect: Perkins + Will  
Services: Site/Civil, Surveying/Geospatial, Landscape Architecture

OVERVIEW
The Hackensack University Medical Center is one of the five highest performing hospitals in the nation. As part of this expansion project the hospital added new facilities including a 225,000-SF Patient Care Pavilion, an 80,000-SF Children's Center, and a 25,000-SF expansion of Surgical/Trauma Center. Langan provided complete site/civil engineering services for the expansion. The engineering services included site plan preparation, grading and drainage design, sanitary sewer design, landscape architecture, and exterior lighting design. The project also included the design of over 700-feet of retaining walls varying from four to 21-feet in height.
HUMC - EMERGENCY TRAUMA DEPARTMENT EXPANSION

Location: Hackensack, NJ
Client: Hackensack Meridian Health
Architect: Pomarico Design Studio
Partner: Gilbane Building
Services: Surveying/Geospatial, Site/Civil, Geotechnical, Traffic & Transportation

OVERVIEW
The Hackensack University Medical Center (HUMC) is proposing to expand the Emergency Trauma Department (ETD) located at the hospital main campus in Hackensack, NJ. Site improvements associated with the ETD expansion consisted of a new 7,750-SF infill building addition, reconfiguration of the access drives servicing the emergency room ambulance drop-off area, and widening a roadway to provide an ambulance staging area and police / emergency vehicle parking area. Langan coordinated extensively with the project architect and client during the design process. The HUMC timeline was considered a fast track process; since Langan performed several disciplines in house, we were able to expedite the design process.
RWJ UNIVERSITY HOSPITAL - EAST TOWER

Location: New Brunswick, NJ  
Client: RWJBarnabas Health  
Architect: NK Architects  
Partner: O’Donnell & Naccarato (Structural)  
Services: Site/Civil, Geotechnical, Surveying/Geospatial, Traffic & Transportation

OVERVIEW

Langan provided surveying, geotechnical, site/civil, and traffic engineering services for the RWJ East Tower, which includes nine stories of parking with two floors of office space. The project provided the hospital with over 700 additional parking stalls for patients and staff. Langan provided multi-discipline engineering services for the project including 3D laser scanning of the adjacent hospital buildings and a full intersection design for the new garage entrance.
RWJ UNIVERSITY HOSPITAL - AMBULATORY BUILDING EXPANSION

Location: New Brunswick, NJ
Client: RWJBarnabas Health
Architect: Array Architects
Services: Site/Civil, Traffic & Transportation, Traditional Surveying, Terrestrial Scanning/BIM

OVERVIEW
Langan is currently providing site/civil, surveying, and traffic engineering services for the Ambulatory Building expansion. The project will include the construction of 8,000 SF of new medical office space and the renovation of 38,000 SF of existing hospital space. In addition, the project will provide site improvements to accommodate new ambulance parking and emergency patient drop-offs.
MEMORIAL SLOAN-KETTERING CANCER CENTER

Location: Bernards Township, NJ
Client: Memorial Sloan-Kettering Cancer Center
Architect: EwingCole
Partner: Barr & Barr
Services: Site/Civil, Geotechnical, Landscape Architecture, 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.
MEMORIAL SLOAN-KETTERING - THE 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
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.
MOUNT SINAI CENTER FOR SCIENCE AND 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.
ELMONT SELF-STORAGE

Location: Elmont, NY
Client: The Hampshire Companies
Architect: Butz+Wilbern
Services: Site/Civil, Landscape Architecture

OVERVIEW

Located along the busy commercial route of Linden Boulevard, this new storage facility consists of a three-story building with one-cellar (112,200 GSF). The site is adjacent to residential and commercial lots and has approximately 400 FT fronting the boulevard. On-site parking and vehicular circulation was added to serve a loading bay and office. Prior to commencement of design, Langan evaluated civil engineering issues (e.g. long-lead permit filings). Our construction documentation and administration services included final design, bidding preparations, submittal reviews, and responses to Requests for Information.
STILLWELL AVENUE SELF-STORAGE

Location: Bronx, NY
Client: The Hampshire Companies
Architect: Butz+Wilbern
Services: Site/Civil

OVERVIEW

Located along Stillwell and Bassett avenues in the Morris Park section of the Bronx, this new storage facility will consist of two development sites - a 3-story lot-line building with cellar (about 43,000 GSF), and a 1-story building with on-site parking and all exterior-accessed storage units (about 11,000 GSF). The eastern site is bordered by Amtrak's Hellgate Line and associated electrification infrastructure. Prior to commencement of design, Langan evaluated civil engineering issues critical to the site development schedule by reviewing building and utility information gathered from public agencies, sewer and water record mapping, and typical permit procedures. A major permitting effort resulted from the site's location adjacent to Amtrak property. Langan led the effort to modify the site design to accommodate Amtrak's design requirements for this site, and secured a letter of no impact from Amtrak for the proposed work.