

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

CONTACT

Mark Devaney LEED AP

Principal

Direct: 973.560.4706

Mobile: 201.312.4427

mdevaney@langan.com

SELECTED PROJECTS

- University of California, Merced - Campus-Wide Expansion
- Prism at Park Avenue South Apartments
- Bartram's Mile
- Grove at Grand Bay
- CREC Discovery Academy
- Robert Wood Johnson University Hospital - East Tower

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UNIVERSITY OF CALIFORNIA, MERCED - CAMPUS-WIDE EXPANSION

Location: Merced, CA
Client: Webcor Construction
Services: Geotechnical

OVERVIEW

The University of California, Merced, will expand its campus - an unprecedented four-year project that will nearly double the physical capacity of the campus by 2020, allowing it to grow to 10,000 students. The new facilities will be built within a 219-acre site. Langan is providing geotechnical services in support of the expansion project.

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PRISM AT PARK AVENUE SOUTH APARTMENTS

Location: New York, NY
Client: Equity Residential, Toll Brothers
Architect: Christian de Portzamparc (Design), Handel Architects
Partner: DeSimone Consulting Engineers, Lend Lease
Services: Geotechnical, Environmental, Site/Civil, Surveying/Geospatial

OVERVIEW

Located in the Madison Square North (NoMad) section of Manhattan, this 40-story residential tower (476-FT) has a combined total of 363 apartments and condominiums. The development scope included demolition of existing structures, excavation to 30 feet below sidewalk grade, construction of the 40-story tower, and replacement of a portion of the adjacent subway station. Langan geotechnical engineers performed two phases of site investigation and provided design and construction recommendations to satisfy project needs and New York City Department of Buildings requirements. Our environmental engineers performed waste characterization and provided coordination with NYCOER that included remediation investigation and oversight, and a successful Voluntary Cleanup Program Brownfield Incentive Grant Application.

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BARTRAM'S MILE

Location: Philadelphia, PA
Client: City of Philadelphia Parks & Recreation Department
Architect: Andropogon Associates
Services: Environmental, Site/Civil, Geotechnical, Traffic & Transportation, Surveying/Geospatial

OVERVIEW

Langan helped the City of Philadelphia transform a one-mile stretch of vacant river frontage along the western banks of the tidal Schuylkill through the extension of the Schuylkill River Trail and the creation of new parks and an innovative neighborhood stormwater management system. Langan was responsible for the conceptual design of the stormwater system; permitting; geotechnical investigation; and final design of all elements of the project, including trail design, traffic engineering, and complete streets design.

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GROVE AT GRAND BAY

Location: Miami, FL
Client: Terra Grove Communities, LLC
Architect: BIG/NBWW
Services: Geotechnical

OVERVIEW

The former Grand Bay Hotel site was replaced by two 21-story luxury residential towers and a three-level podium in Coconut Grove. The varying depth to the towers' bearing layers required that augercast pile foundations vary from intermediate to deeper depths. Langan worked closely with the project design team and the general contractor to understand loading requirements and site constraints caused by former precast pile foundations from the previous development, as well as potential impacts to neighboring properties from the project construction activities. Langan's coordinated geotechnical studies were performed prior to and during demolition of the former building, which resulted in timely foundation designs for the two towers and amenities podium.

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CREC DISCOVERY ACADEMY

Location: Wethersfield, CT
Architect: Amenta/Emma Architects, P.C., Didona Associates
(Landscape Architect)
Services: Geotechnical

OVERVIEW

The Discovery Academy is a magnet school facilitated with the Capital Region Education Council (CREC). The project included the renovation of a former 50,000-SF Connecticut Light and Power building which served as office and service space. A 10,000-SF gymnasium was added to the west of the existing building. Throughout the remainder of the property, upgrades to the site included new parking areas, rain gardens, and soccer fields. Specific design challenges associated with the site included the presence of shallow bedrock, renovations to the existing building, and partial demolition of the existing basement underneath the building that was to remain.

AWARDS

Connecticut Building Congress (CBC) 2016 Project Team Award - First Place for K-12 Schools
CREW CT Blue Ribbon Award - Best Specialty Project - Adaptive Reuse

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ROBERT WOOD JOHNSON 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.

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