

PROJECT SPOTLIGHT TOUR: LANGAN LEADER, FEBRUARY 2019



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

NJCU Monmouth at Squier Hall - Oceanport, NJ

Tampa International Airport Laser Scan - Tampa, FL

Nine Elms Square - London, UK

First 290 @ Guhn Road - Houston, TX

Lakehouse Commons - Oakland, CA

Gateway National Recreation Area, Shore Road & Battery Harris Trail - Breezy Point, NY

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NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO VIRGINIA GEORGIA FLORIDA TEXAS CALIFORNIA ARIZONA WEST VIRGINIA

ABU DHABI DUBAI GREECE LONDON QATAR TURKEY PANAMA



NJCU MONMOUTH AT SQUIER HALL

Location: Oceanport, NJ
Client: KKF University Enterprises
Architect: Clarke Caton Hintz
Partner: New Jersey City University
Services: Site/Civil, Landscape Architecture, Natural Resources & Permitting, Surveying/Geospatial

OVERVIEW

New Jersey City University is expanding its facilities by opening a state-of-the-art educational facility in the former Squier Hall building which is situated on a 5.7-acre parcel in the northern portion of the former Army base in Oceanport. Future phases are intended to expand the universities facilities to a total of 28-acres. The 1935-era Squier Hall building will be renovated to hold 15 classrooms, various nursing labs, training rooms, offices and a small café to serve approximately 1,000 students. Langan's extensive work at Fort Monmouth provides unique understanding to the site. Langan's scope includes land surveying, site/civil engineering design, landscape architecture design and preparation of drawings for the site plan application submission and construction. The site plans, as well as all other plans, would be prepared in accordance with the Fort Monmouth Economic Revitalization Authority and Borough of Oceanport Land Development Ordinance.

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TAMPA INTERNATIONAL AIRPORT LASER SCAN

Location: Tampa, FL
Client: Vivid Consulting Group, HNTB, Hensel Phelps, The Beck Group
Services: Terrestrial Scanning/BIM, Mobile Mapping/UAS Mapping

OVERVIEW

Langan deployed a unique combination of state of the art survey grade mobile mapping and static 3D laser scanning surveying techniques to document the multi-level departure, arrival curbside passenger areas along with the vehicular access roadway system at Tampa International Airport. Combined with traditional survey targeting as completed by Vivid Consulting Group, this approach provided the least amount of disruption to the airport's passengers and staff while addressing safety and schedule requirements required by the project and airport operators. Langan provided extracted 3D CAD data, point cloud, and BIM support.

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NINE ELMS SQUARE - LONDON

Location: London, UK
Client: R&F Properties, CC Land Holdings
Architect: Skidmore, Owings & Merrill LLP
Services: Geotechnical, Site/Civil, Environmental

OVERVIEW

Just south of the River Thames, the 10-acre former New Covent Garden Flower Market site is being redeveloped as a mixed-use development featuring 12 residential buildings and a linear park that will run from Vauxhall Bridge to the Battersea Power Station. The luxury residential towers will rise up to 55 floors above a deep, single level basement containing servicing and parking. Other facilities will include restaurants, bars, retail outlets, and commercial space. Langan supported the ambitious design and construction program from the outset, assisting in the execution of a £1m geotechnical and geo-environmental site investigation and a preliminary pile testing program. Working closely with the project architect, SOM, we completed complex Finite Element analyses to optimize pile group arrangements, seeking to facilitate rapid construction methods whilst ensuring associated settlements were within acceptable tolerances between adjacent buildings and the site-wide basement.

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FIRST 290 @ GUHN ROAD

Location: Houston, TX
Client: First Industrial Realty Trust
Architect: Seeberger Architects

OVERVIEW

Langan provided environmental and civil engineering services for the development of the +130,000-SF Class A bulk distribution facility located in Northwest Houston. The approximately 10-acre site required flood plain mitigation work and approval by Harris County. In addition, 700LF of off site extensions of City of Houston water and sewer were required.

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LAKEHOUSE COMMONS

Location: Oakland, CA
Client: East Bay Asian Local Development Corporation, UrbanCore Development, LLC
Architect: Pyatok, AVR Studios
Services: Geotechnical, Environmental

OVERVIEW

Langan is providing environmental sustainability and geotechnical engineering services for the 360-unit residential project that includes a 26-story tower and a 7-story mid-rise over a single-level podium and two levels of underground parking. We are performing a health risk assessment to evaluate the exposure of PM2.5 and toxic air contaminants, conducting a greenhouse gas analysis, and helping to develop a greenhouse gas reduction plan.

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GATEWAY NATIONAL RECREATION AREA - SHORE ROAD & BATTERY HARRIS TRAIL

Location: Breezy Point, NY
Client: U.S. Department of Transportation , Federal Highway Administration (FHWA)
Partner: Lee Construction
Services: Site/Civil, Geotechnical, Traffic & Transportation, Surveying/Geospatial, Natural Resources & Permitting

OVERVIEW

Fort Tilden, also known as Fort Tilden Historic District, is a former United States Army installation on the coast of Queens. Fort Tilden now forms part of the Gateway National Recreation Area, and is administered by the National Park Service (NPS). After Superstorm Sandy destroyed the park's original concrete Shore Road in October 2012, the NPS needed to rebuild Shore Road and widen Range Road without the use of concrete or asphalt. Langan performed full design, permitting, and full-time construction oversight services for the project. Our team helped obtain Coastal Erosion Hazard Area and Tidal Wetlands Adjacent Area permits from New York State Department of Environmental Conservation for the use of a clamshell roadway for the replacement of Shore Road. The clamshell roadway design consisted of 2 inches of crushed clamshells over 12 inches of a sand silt base material. The substitute of clamshell for the concrete significantly reduced the project carbon footprint and is compatible to the surrounding natural environment even if damaged by coastal storms.

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