

PROJECT SPOTLIGHT TOUR: LANGAN LEADER, JANUARY 2022



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

The Linden at Brookfield, Brookfield, CT
Springfield College, Springfield, MA
Marathon Oil Headquarters, Houston, TX
Rego Park Community Library, Rego Park, NY
730 Stanyan, San Francisco, CA
Penn State - Palmer Museum of Art, State College, PA

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THE LINDEN AT BROOKFIELD

<https://www.langan.com/portfolio/linden-at-brookfield>

Location: Brookfield, CT
Client: E2K Consulting
Services: Site/Civil, Surveying/Geospatial, Traffic & Transportation

OVERVIEW

The Linden at Brookfield is a three-story senior living facility offering independent living, assisted living, and memory care services. Langan provided multidisciplinary engineering services for the project, including traffic, site, grading, drainage, and utility design. We designed drainage improvements to minimize the impacts on adjacent properties and developed an underground detention basin to promote infiltration and increase stormwater quality throughout the site. Additionally, Langan's surveying team prepared a computer-generated 'on the ground' topographic and boundary survey of the project.

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SPRINGFIELD COLLEGE

<https://www.langan.com/portfolio/springfield-college>

Location: Springfield, MA
 Client: Springfield College
 Services: Site/Civil, Geotechnical, Surveying/Geospatial, Landscape
 Architecture

OVERVIEW

In preparation of future campus developments, Springfield College is relocating two parking lots that are slated to be removed, and expanding two others to create one large lot spanning two city blocks. Langan prepared an ALTA/NSPS Land Title Survey for the two city blocks, collected topographic and utility information, and developed a baseplan to help the team propose improvements for the overall campus design. We also conducted a geotechnical investigation to confirm drainage design and support the design of solar canopies over the parking lot; prepared a stormwater management assessment in accordance with state and local requirements; and completed a design package addressing site layout, ADA parking spaces and access, EV charging stations, landscape, and lighting.

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MARATHON OIL HEADQUARTERS

<https://www.langan.com/portfolio/marathon-oil-headquarters>

- Location: Houston, TX
- Client: Hines
- Architect: Munoz + Albin (Design Architect), Kendall/Heaton Associates
(Architect of Record)
- Services: Environmental, Geotechnical

OVERVIEW

A 16-story building and 7-story parking garage were constructed to support the relocation of Marathon Oil's headquarters. Located on a 3.4-acre site, the new headquarters is in a more central location for employees. Langan completed a Phase I Environmental Site Assessment, performed a geotechnical field investigation to explore subsurface conditions, evaluated foundation support alternatives, and provided recommendations for foundations and other geotechnical-related aspects. We also performed a finite element method analysis to estimate settlements and equivalent springs used in the structural analysis of the office building, which is supported on a shallow foundation system consisting of a core mat and spread footings.

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REGO PARK COMMUNITY LIBRARY

<https://www.langan.com/portfolio/rego-park-community-library>

Location:	Rego Park, NY
Client:	New York City Department of Design and Construction
Architect:	Weiss/Manfredi
Services:	Site/Civil, Geotechnical, Demolition

OVERVIEW

Rego Park Community Library is undergoing a redevelopment involving the demolition of the original building and construction of an 18,500 SF, two-story library that will double the size of the previous space. The new building will provide separate reading rooms, computer spaces, and areas for educational and community activities. Langan prepared documents to address the demolition and site restoration, provided a scope for subsurface conditions to satisfy the building code, and made sure sustainable design practices complied with Local Law 86. We also implemented innovative stormwater management technologies to comply with design guidelines and NYCDEP requirements. Other sustainable features for this project include green roofs, rainwater detention, and a highly insulated building envelope.

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730 STANYAN

<https://www.langan.com/portfolio/730-stanyan>

Location: San Francisco, CA

Client: Chinatown Community Development Center, Tenderloin Neighborhood Development Corporation, Mayor's Office of Housing and Community Development

Architect: OMA (Design Architect), YA Studio (Executive Architect)

Services: Environmental, Geotechnical, Earthquake/Seismic

OVERVIEW

Located across the street from Golden Gate Park, 730 Stanyan is an affordable housing development that will provide 150+ units for low- to moderate-income families and families that have experienced homelessness. The project includes construction of an eight-story building with sustainable features, as well as public art honoring the neighborhood's history. Langan provided site due diligence, performed Phase I and Phase II Environmental Site Assessments (ESAs), and prepared a Site Mitigation Plan (SMP) based on the results of the ESAs. Our SMP helped mitigate potential risks to the environment and protect on-site workers, nearby residents, and pedestrians from potential exposure to substances encountered during soil excavation and grading activities. We also conducted a geotechnical investigation and seismic hazard analysis to evaluate subsurface conditions and develop recommendations for the geotechnical aspects of the project.

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NEW JERSEY NEW YORK CONNECTICUT MASSACHUSETTS PENNSYLVANIA OHIO VIRGINIA FLORIDA TEXAS ARIZONA COLORADO
WASHINGTON CALIFORNIA ATHENS CALGARY DUBAI LONDON PANAMA



PENN STATE - PALMER MUSEUM OF ART

<https://www.langan.com/portfolio/penn-state-palmer-museum-of-art>

Location:	State College, PA
Client:	Pennsylvania State University
Architect:	Allied Works Architecture
Partner:	Reed Hilderbrand
Services:	Site/Civil, Surveying/Geospatial

OVERVIEW

The 71,000 SF Palmer Museum of Art at Penn State will provide a cultural hub for students, faculty, and visitors by blending art, culture, education, and nature in one space. Located next to the H.O. Smith Botanic Gardens in The Arboretum, the building will replace the current facility and serve as a unifier between the botanic gardens and art museum. Building features include flexible exhibition space, indoor and outdoor event spaces, classrooms, recreation areas, a teaching gallery, study, and research room. Langan spearheaded the land development-approval process, which required separate approvals from College Township and State College Borough; coordinated the relocation of utilities; developed a stormwater management approach; and designed a pedestrian and bicycle path.

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