

ENGINEERING AND ENVIRONMENTAL SERVICES

CONTACT

HEADQUARTERS

Parsippany, New Jersey
300 Kimball Drive, 4th Floor
Parsippany, NJ 07054
973.560.4900
973.560.4901

Technical Excellence Practical Experience Client Responsiveness

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



BEDFORD SQUARE - ELECTRIC VEHICLE CHARGERS

Location: Westport, CT
Client: Centerbrook Architects and Planners, Charter Realty
Services: Site/Civil, Traffic & Transportation

OVERVIEW

Langan provided site development consulting services for the redevelopment of the existing Westport YMCA in downtown Westport. The project included demolition of portions of the existing building, rehabilitation/reuse of the historical components of the building and the creation of additional retail and residential space. Langan was also involved with the design of a series of Tesla Superchargers. The design integrated seven electric vehicle charges spaces with the parking lot renovation.

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RUTGERS UNIVERSITY - PARKING LOT 105 EXPANSION

Location: Piscataway, NJ
Client: Rutgers University
Services: Site/Civil, Natural Resources & Permitting

OVERVIEW

Langan provided site/civil engineering design and permitting services for the Rutgers Parking Lot 105 Expansion. The expansion adds approximately 500 parking spaces to the Livingston Campus to accommodate the recently completed student housing and business school projects. In addition, a solar array was placed over the parking lot to generate approximately 8 megawatts.

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SANTA CLARA VALLEY TRANSPORTATION AUTHORITY - CARPORT SOLAR ARRAYS

Location: Mountain View and San Jose, CA

Client: SunPower Corporation

Services: Geotechnical

OVERVIEW

Langan performed geotechnical investigations at three Santa Clara Valley Transportation Authority (VTA) sites for new solar electric systems. Carport structures were installed at the parking lots for each site; solar arrays were installed on each carport. The structures were designed to accommodate VTA buses and staff vehicles. Other improvements included equipment pads, electricity meters, and underground utilities.

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VETERANS AFFAIRS SOLAR PARKING

Location: Los Angeles, CA
Client: Build Group Inc.
Services: Geotechnical

OVERVIEW

Langan performed geotechnical investigations for solar modules for 14 sites at the Veterans Affairs - Los Angeles complex (North Campus). The Veteran Affairs (VA) complex is comprised of various buildings, roads, parking areas, and landscaped areas. Each site consists of two to four parking lots. The objective of our investigation was to evaluate the subsurface conditions and develop recommendations for the foundations of solar panels to be installed on top of carports. The solar panels used a parking lot canopy 'T' structure supported on drilled pier foundations.

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SOLAR ARRAY AT THE ILR LANDFILL

Location: Edison, NJ
Client: Vanguard Energy Partners, LLC
Services: Environmental, Site/Civil, Surveying/Geospatial

OVERVIEW

This 7.7-MW solar power facility spans approximately 65 acres of sanitary landfill closed and capped in 1985. Langan provided complete surveying, site/civil, geotechnical, and construction observation services for the project, which was one of the first projects where Langan used unmanned aircraft systems to create the existing topography. We also provided geotechnical recommendations with respect to subgrade preparation and measures to mitigate against long term settlements.

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SOLAR FIELD - CYPRESS CREEK RENEWABLES

Location: Various Locations in New York State
Client: Cypress Creek Renewables (CCR)
Services: Site/Civil, Traffic & Transportation, Natural Resources & Permitting, Landscape Architecture

OVERVIEW

Langan is currently providing site/civil engineering for over 30 of CCR's 2-megawatt solar sites in New York State and the Dunroamin site in Massachusetts. These projects are being developed under NYSERDA's community distributed generation or 'community solar' program. Local solar farms, like the ones in New York State, benefit the environment, community and nearby residences. Langan prepared full design drawings and stormwater management reports to support the site plan application to the respective Zoning and Planning Boards for each project. These drawings included site layout, grading and drainage, soil erosion and sediment control, and landscaping plans. Langan provided high-quality deliverables on difficult sites under fast-paced schedules, due to the nature of solar funding programs. Considering the complexity of the sites, Langan adapted to the changes in scope presented to meet CCR's needs and maintains the desired schedules for the projects.

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AUTOZONE

Location: Various Locations in the US
Client: AutoZone, Inc.
Services: Site/Civil, Landscape Architecture, Geotechnical, Traffic & Transportation, Environmental, Traditional Surveying

OVERVIEW

Langan's high quality consulting services and technical insights, in combination with our national footprint have allowed us to support Autozone's store development throughout the country. In support of this Fortune 500 Company's aggressive expansion program Langan's services include: due diligence investigations, site/civil engineering, land surveying services, municipal, county, and state permitting coordination, environmental assessments, geotechnical engineering, asbestos investigations, utility coordination. Langan also assists AutoZone with construction coordination and oversight as well as permit expediting services.

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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

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WILLINGBORO TOWN CENTER

Location: Willingboro, NJ
Client: Willingboro Township, ReNEWal Realty, LLC
Services: Traffic & Transportation, Site/Civil, Geotechnical,
Environmental

OVERVIEW

The Willingboro Shopping Center was one of the first large malls constructed in New Jersey in the early 1960's. By the mid 1990's the center was totally vacant and abandoned. Since it occupied about 50 acres fronting on a major highway, planning studies indicated that the land had high value if appropriate uses could be found. This led to the design of a multi-use town center containing a library, a community college facility, residential and retail stores as well as a pharmaceutical production facility. The focal point is a Town Green which ties the complex together. Langan prepared site planning studies and completed site designs for the new facilities. This included all services from preliminary surveys to construction documents.

AWARDS

2002 New Jersey Smart Growth Award
2001 Plan Smart New Jersey Award

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2505 BRUCKNER BOULEVARD

Location:	Bronx, NY
Client:	Innovo Property Group
Architect:	KSS Architects
Partner:	Sterling Project Development Group, LLC, WSP USA, Syska Hennessy Group, LLC, Aurora Contracting
Services:	Environmental, Geotechnical, Site/Civil, Natural Resources & Permitting, Traffic & Transportation

OVERVIEW

2505 Bruckner is a state-of-the-art urban logistics facility that delivers access to over 9.4 million people in a 15-mile radius. The 2-story warehouse is 840,000 SF with an adjacent 40,000-SF parking garage and 159,000-SF elevated truck court structure. Langan performed a geotechnical subsurface investigation consisting of drilled and cone probe borings that satisfied the New York City Building Code (NYCBC) and provided valuable soil and rock information for foundation design on this challenging site. Langan engaged in foundation and site/civil design efforts with the project design team and worked through significant coordination challenges. Langan also performed a site-specific seismic study for the site to assist the structural engineer with foundation design. The project required significant permitting efforts with various regulatory agencies, including the New York State Department of Transportation (NYSDOT), New York City Department of Buildings (NYCDOB), New York State Department of Environmental Conservation and others.

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FULFILLMENT CENTER - TROUTDALE

Location: Troutdale, OR
Client: Clarion Partners, Trammell Crow Company
Architect: Macgregor Associate Architects
Services: Site/Civil

OVERVIEW

This 857,470-SF single-story warehouse and office facility is the home of an online order fulfillment center. The facility includes a large, open, 4-level structure and a process mezzanine and sits on a 74-acre parcel of a former Superfund site about 15 miles east of Portland. Langan performed complete site/civil engineering services during the conceptual, design, permitting, and construction phases of the project. Our team developed a stormwater management design that was aligned with North Troutdale Storm Drainage Master Plan and fulfilled city and state requirements. To address the concerns of the Multnomah County Drainage District regarding increased volume of stormwater, we also performed a hydrologic and hydraulic analysis of the Salmon Creek.

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FULFILLMENT CENTER - THORNTON, CO

Location: Thornton, CO
Client: Trammell Crow Company , Clarion Partners
Services: Site/Civil, Natural Resources & Permitting

OVERVIEW

Langan provided multi-disciplined engineering and permitting services for this three-story, 855,000-SF sort fulfillment center. Our work started with conceptual site planning and will finish with the completion of construction. Langan was responsible for site/civil engineering for the project site, roadway and infrastructure design for three new city streets, traffic engineering and permitting with the Army Corps of Engineers and the Urban Drainage and Flood Control District. We also designed the relocation of an irrigation canal that traversed the site to avoid conflicts with the preferred site layout.

AWARDS

NAIOP Colorado Industrial Project of the Year 2018

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