

LANGAN OPEN SPACE & PARKS QUALIFICATIONS

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Technical Excellence Practical Experience Client Responsiveness



Credit: Central Park Conservancy and Susan T. Rodriguez Architecture & Design

HARLEM MEER RINK & POOL RECONSTRUCTION

- Location:** New York, NY
- Client:** Central Park Conservancy, New York City Department of Parks and Recreation
- Architect:** Susan T. Rodriguez Architecture & Design, Mitchell Giurgola, Central Park Conservancy (Landscape Architect)
- Partner:** LERA Consulting Structural Engineers, Loring Consulting Engineers
- Services:** Site/Civil, Environmental, Geotechnical, Land Use Planning, Natural Resources & Permitting

OVERVIEW

Restoration of Central Park's northern end includes the redevelopment of the Lasker Rink and Pool facility on the Harlem Meer; improvements to the shoreline; construction of a boardwalk and pergola; and replacement of invasive plant materials with sustainable emergent aquatic plantings. Langan prepared an environmental assessment statement; performed geotechnical investigations (including borings); provided recommendations and design requirements for support of new structures, slope stabilization, and design of Support of Excavation; and filed permits with multiple New York City agencies. We also conducted on-site design for the new facility, including grading, stormwater drainage, utilities, stream-daylighting, Specifications for Erosion and Sediment Control, Stormwater Pollution Prevention Plan, and construction details.

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THE BOATHOUSE AT CANAL DOCK

Location: New Haven, CT
Client: New Haven City Plan Department
Services: Waterfront & Marine, Site/Civil, Geotechnical, Landscape Architecture, Natural Resources & Permitting, Traditional Surveying

OVERVIEW

Langan was the prime consultant for the state and federally funded Canal Dock project. The project involved the construction of a 48,000-SF pile-supported platform to support a 30,000-SF community boathouse, the stabilization and reconstruction of over 1,500 LF of shoreline, and the revitalization of Long Wharf Park. This rare facility, completed in September 2018, provides a destination and a much needed access to the waterfront for the entire community. Langan began environmental permitting in the early 2000s culminating with obtaining rare state and federal permits to construct a platform over the water. Langan oversaw a multidisciplinary design team, and provided waterfront, geotechnical, and site/civil engineering, surveying and landscape architecture services.

AWARDS

CREW CT 2018 Real Estate Awards - Best Specialty Project

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PRESIDIO OF SAN FRANCISCO

Location: San Francisco, CA
Client: The Presidio Trust, Golden Gate National Parks Conservancy
Services: Site/Civil, Environmental, Geotechnical

OVERVIEW

Since 2000, Langan has provided as-needed consulting services at Presidio National Park, formerly an Army base. Some key projects include:

Environmental Remediation: We have assisted with the remediation and closing of 12 distinct sites within the Presidio (including the 'clean closure' of four uncontrolled landfills), preparing documents spanning the full range of CERCLA (Superfund) and Petroleum Hydrocarbon cleanup activities.

Groundwater Monitoring: Tasks include sounding, purging, and sampling over 200 wells, installing wells, managing and interpreting the chemical data, and producing a groundwater monitoring report for each sampling period using GIS.

Slope Stability: After a historical road was uncovered and restored, we performed a slope stability analysis, provided slope strengthening design, and evaluated the stability of a retaining wall. The project involved coordination with public agencies, regulatory agencies, and citizens because the Lyon Street Steps are located on federal land adjacent to residential property.

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Credit: Melissa Romero for Curbed Philly

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



THE HIGH LINE

Location: New York, NY
Client: City of New York
Architect: Diller Scofidio + Renfro, Field Operations
Services: Site/Civil, Environmental

OVERVIEW

The project involved the transformation of an abandoned, elevated railroad structure into a public park. Stretching 1.5 miles on Manhattan's west side, the park helped spur residential and commercial development in the West Chelsea neighborhood and is a popular tourist attraction. Langan's site/civil group assisted with the design and permitting of three plazas associated with the High Line, and obtained DEP drainage plan permits to connect drains for the project areas and at street level for the length of the structure. Our environmental team provided remediation design and oversight for the section of the park between West 17th Street and West 18th Street.

AWARDS

2012 Society of American Registered Architects (SARA), Visionary City Landscape Award
2009 Urban Land Institute (ULI), Award for Excellence: The Americas

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DUKE FARMS

Location: Hillsborough, NJ
Client: VITETTA Architects and Engineers, Duke Farms
Services: Natural Resources & Permitting, Site/Civil, Geotechnical,
Traffic & Transportation

OVERVIEW

The Duke Farms Capital Improvement Project is a comprehensive capital campaign to align the approximately 2,800-acre former Duke family estate in central New Jersey with the Duke Farms mission to be a model of environmental stewardship incorporating sustainable land-use practices. Langan is the site/civil engineer and lead natural resources permitting firm on the project. We are preparing a full set of site plans in coordination with the design team as well as all required NJDEP land use permit applications incorporating varied design elements such as building expansions, surface parking areas, grading and drainage features, lake improvements, sustainable landscape design, and alternative wastewater treatment systems.

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TRANSBAY TRANSIT CENTER

Location: San Francisco, CA
Client: Transbay Joint Powers Authority
Architect: Adamson Associates Architects (Architect of Record), Pelli
Clarke Pelli (Design Architect)
Partner: Webcor
Services: Environmental

OVERVIEW

Beginning in 2007, Langan provided environmental consulting services for the demolition of the former Transbay Transit Center and ramps, which spanned three city blocks, through construction of the new \$4.5-billion transit center in downtown. The new transit center centralizes the Bay Area regional transportation network. It consists of below-grade levels for trains, above-grade levels for buses, and a rooftop public park.

AWARDS

2018 ENR California Best Northern California Project - Airport/Transit
2016 ENR California Best Projects, Specialty Contracting Best Project

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MERIDIAN HILL PARK

Location: Washington, DC
Client: National Park Service
Architect: Mills + Schnoering Architects
Services: Geotechnical, Site/Civil, Surveying/Geospatial

OVERVIEW

Meridian Hill Park sits on a hill a little over a mile and a half north of the White House. Langan performed a variety of services for design and data collection for Phases V and VI of the Meridian Hill renovation project. In the Lower Plaza, Langan provided an accessible route into the lower level of the park from 16th Street, which consisted of three ramps that complied with the Architectural Barriers Act Standards. Langan also performed a geotechnical investigation, which consisted of concrete coring, geotechnical dynamic cone penetration tests, and soil sampling at the south portion of the park near the James Buchanan Memorial.

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FRESHKILLS PARK - SOUTH PARK

- Location: Staten Island, NY
Client: Starr Whitehouse Landscape Architects and Planners
Partner: New York City Department of Parks & Recreation
Services: Site/Civil, Environmental, Geotechnical, Land Use Planning,
Natural Resources & Permitting

OVERVIEW

Once home to the 2,200-acre Fresh Kills Landfill, the world's largest landfill, this site is currently undergoing a transformation to become Freshkills Park, New York City's largest new park in over a century. Once complete, it will be three times the size of Central Park. The South Park is the latest addition to the project's phased construction. For this phase, Langan helped develop the landfill gas mitigation system and an innovative stormwater management system. With a focus on sustainability and resiliency, we successfully designed the site layout, utility locations, and stormwater management systems to minimize disruption to wetlands and forested areas, and reused areas of degraded ecologies for stormwater capture. We also prepared an innovative pollution prevention plan, establishing the sampling required to monitor construction and post-construction runoff at new discharge points.

AWARD

2020 Langan Sustainable Project of the Year

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LA VISTA PARK

Location: Hayward, CA
Client: City of Hayward, Public Works - Engineering and Transportation
Architect: Surfacedesign
Partner: Hayward Area Recreation and Park District
Services: Geotechnical

OVERVIEW

Located on a former quarry, the 50-acre La Vista Park will provide passive and active recreation and views of San Francisco Bay. Plans for the community park include ridge/bike/pedestrian trails, sports fields and courts, an amphitheater, a yoga lawn and celestial garden, an art walk, picnic areas, dog areas, and a farmer's market. The park will also include a large detention basin and bioretention area. Langan is preparing a design-level geotechnical and geologic investigation report with recommendations for site work, grading, foundations, flatwork, retaining walls, and pavements. Our services include exploratory drilling, laboratory testing, geologic reconnaissance field mapping, slope stability analysis of slopes under static and seismic conditions, and evaluating options for park grading. We will also provide geotechnical observation and testing services to monitor QA/QC during construction.

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DMAVA PARK AND HUDSON RIVER WALKWAY

- Location: Jersey City, NJ
- Client: New Jersey Department of Property Management and Construction
- Services: Landscape Architecture, Environmental, Natural Resources & Permitting, Geotechnical

OVERVIEW

Langan designed this project for the NJDEP, including 1,600 linear feet of new Hudson River Waterfront Walkway, a new bulkhead and waterfront esplanade, a new timber boardwalk, and a 3-acre park along the Morris Canal Basin, across from Liberty State Park.

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BRIDESBURG RIVERFRONT PARK

- Location: Philadelphia, PA
- Client: Riverfront North Partnership (RNP), Philadelphia Department of Parks and Recreation (PPR)
- Services: Site/Civil, Geotechnical, Environmental, Landscape Architecture, Surveying/Geospatial

OVERVIEW

Langan is leading a team of designers and engineers who are creating a 10-acre park on a paved brownfield on Philadelphia's Delaware River waterfront. A varied landscape featuring a central lawn framed by an upland meadow, a gravel garden stormwater swale, and riparian plantings will create the setting for park amenities including a stage pavilion, lawn amphitheater, boardwalk, and stage pavilion. Langan's understanding of the site's environmental conditions and regulatory realities guided the park's design and soil-management strategy. Our subconsultants for the project include SITIO Architecture, Ground Reconsidered, O'Donnell and Naccarato, Arora Engineering, Milrose Consultants, and Becker & Frondorf.

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