

RESORT & ENTERTAINMENT EXPERIENCE

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AMERICAN DREAM MEADOWLANDS

Location: East Rutherford, NJ
Client: Triple Five Development
Services: Geotechnical, Site/Civil, Traditional Surveying, Natural Resources & Permitting, Environmental Planning, Environmental

OVERVIEW

American Dream is a unique and visually compelling mixed-use development site located on the Meadowlands Sports Complex in East Rutherford, New Jersey. The project incorporates exciting and participatory sports and entertainment venues, such as an indoor ski slope and skate park for the entire family. Langan is providing site/civil engineering, geotechnical engineering, surveying, environmental engineering, and permitting services to obtain entitlements for the new indoor amusement park and water park component of the project.

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AHWAHNEE HOTEL

Location: Yosemite National Park, California
Client: Delaware North Company
Services: Geotechnical

OVERVIEW

The Ahwahnee Hotel is the centerpiece of the Ahwahnee National Historic Landmark in Yosemite National Park. The hotel, constructed in the 1920s, is a multi-level structure ranging from three to six stories. Langan performed site-specific ground motion analysis, recommended suite of time histories, and foundation design parameters for the hotel site rehabilitation, as well as a geotechnical investigation and studies that addressed necessary improvements.

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SPANISH PEAKS RESORT

Location: Big Sky, MT

Services: Geotechnical

OVERVIEW

The new Spanish Peaks Resort encompasses approximately 2,500 acres and includes an 18-hole golf course, single-family residences, condominiums and associated resort facilities. Langan performed the geological and geotechnical feasibility study and played an integral role in the design of a complex foundation repair for a powered ski lift terminal.

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ATLANTIS

Location: Paradise Island, Nassau, Bahamas
Client: Kerzner International
Architect: WATG, HKS, EDSA
Services: Geotechnical

OVERVIEW

This mega resort development is the largest in the Bahamas and included two 22-story hotel towers, a water park, Mayan-style temple, pools, amusement park amenities, and various support structures. Expansions to the existing casino and conference center were also part of the project. Langan provided geotechnical consulting in support of the project.

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FONTAINEBLEAU RESORT & SPA

Location: Miami Beach, FL
Client: Fontainebleau Resorts, LLC
Architect: NBWW, HKS
Services: Geotechnical, Environmental

OVERVIEW

Langan completed a Phase I/Phase II Environmental Site Assessment (ESA), which identified chlorinated solvents in the soil and ground water as a result of discharges from a former dry-cleaning operation in the basement of the hotel. Langan also completed comprehensive asbestos surveys and monitored the abatement. In addition, Langan performed geotechnical engineering studies and comprehensive and innovative pile load testing programs, and inspected the installation of the piles.

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PARX CASINO EXPANSION

Location: Bensalem, PA
Client: Parx Casino
Architect: KlingStubbins/SOSH
Services: Site/Civil, Geotechnical, Traffic & Transportation, Landscape
Architecture, Natural Resources & Permitting

OVERVIEW

Langan provided engineering design, land-use and natural resource permitting, master planning, and construction-phase services for the Parx Casino, which is the largest casino gaming complex in the state. Geotechnical engineering services included subsurface investigations, foundation recommendations, and reports. Traffic improvements consisted of road widening, turn lanes and intersection improvements.

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TURNING STONE CASINO AND RESORT

Location: Verona, NY
Client: Oneida Indian Nation
Architect: EDSA
Services: Site/Civil, Geotechnical

OVERVIEW

The expansion of the casino included a new main entrance, a 22-story high-rise tower, a four-story hotel and luxury spa, and a five-story parking garage.

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DOLPHINS WATER PARK AT SUN LIFE STADIUM

Location: Miami Gardens, FL
Client: The Related Companies
Services: Site/Civil, Geotechnical, Traffic & Transportation

OVERVIEW

Langan provided multiple engineering services for the proposed Dolphins Water Park at Sun Life Stadium, which is to be located in the existing stadium parking lots. Langan designed 3,600 linear feet of water main along NW 199th Street, closing a large gap in the City of North Miami Beach water distribution system. Langan's traffic and transportation team designed a revamped stadium parking layout of approximately 20,000 spaces in order to absorb the 1,500 spaces to be lost by the development of the water park. Langan also served as the geotechnical engineer of record for this project, which included the coordination of a field investigation.

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