PROJECT SPOTLIGHT TOUR: LANGAN LEADER, JULY 2017

Credit: NK Architects

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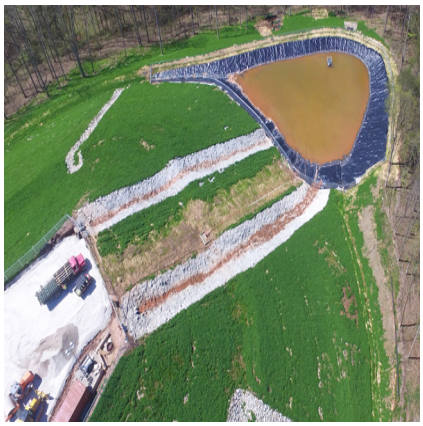

Learn more about Langan's involvement in our featured projects.
Antero Clearwater Facility - Greenwood, WV
Princeton University - Andlinger Center - Princeton, NJ
Tanger Outlets at Foxwoods - Mashantucket, CT
Public Safety Answering Center (PSAC) II - Bronx, NY
Tower at 4 PNC Plaza - Pittsburgh, PA
Guardian Life Insurance Regional Headquarters - Hanover, PA

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ANTERO CLEARWATER FACILITY

Location: Greenwood, WV
Client: Antero Resources
Services: Environmental

OVERVIEW

Langan provided environmental permit services for Antero's Clearwater Facility (ACF), a new state-of-the-art centralized water treatment facility, which included assisting Antero in obtaining an individual National Pollutant Discharge Elimination System (NPDES) permit. As part of the NPDES application package, the Langan team provided GIS mapping of stormwater outfall locations, prepared a comprehensive and site-specific Stormwater Pollution Prevention Plan (SWPPP)/Groundwater Protection Plan (GPP) and conducted NPDES training for Antero personnel and facility operators.

PRINCETON UNIVERSITY - ANDLINGER CENTER

Location:	Princeton, NJ
Client:	Princeton University
Architect:	Tod Williams Billie Tsien Architects
Partner:	Ballinger
Services:	Geotechnical

OVERVIEW

Princeton University?s 129,000-SF Andlinger Center for Energy and the Environment provides new research and development facilities to students and teachers studying renewable and sustainable energy, climate change, and numerous disciplines related to energy efficiency and social/environmental economics. Langan?s geotechnical engineering services included conceptual design for the project?s support of excavation (SOE) and underpinning systems, specifications for SOE and related earthwork, and review of foundation systems. We also provided consulting services during the design development and construction documentation phases. The building was designed to meet LEED Silver requirements.

TANGER OUTLETS AT FOXWOODS

Location: Mashantucket, CT
Client: Standard Builders
Services: Surveying/Geospatial

OVERVIEW

Spanning over a quarter mile, The Tanger Outlets at Foxwoods is the newest addition to the well-known Resort & Casino. With 350,000 SF of outlet shops, the new retail development is being touted as a shopping mecca. Langan provided construction stake out services throughout the project for Standard Builders. This included establishment of survey control for the use of other contractors, locations of rock face, detailing the two existing building faces that the outlet tied into, checking concrete pours and anchor bolt locations for accuracy, and various other survey related tasks.

AWARDS

2016 Connecticut Building Congress (CBC) Project Team Award - Award of Merit New Construction

PUBLIC SAFETY AND ANSWERING CENTER (PSAC) II

Location:	Bronx, NY
Client:	New York City Department of Design and Construction
Architect:	Skidmore, Owings & Merrill
Services:	Geotechnical, Environmental

OVERVIEW

Langan provided multidiscipline engineering services for the development of a new 911 call center for the City of New York. The development included construction of a 10-story office building with a building footprint totaling 52,000 SF, a 25-foot-deep cellar, and approximately 34,545 SF of surface parking. The building is an essential facility, designed for category 4 hurricane wind and flood levels, seismic importance factor of 1.5, and fully loaded for security/blast attenuation/baffling. Langan provided a full range of geotechnical engineering services for the project, including subsurface exploration, driven pile and slurry (diaphragm) wall foundation design, site-specific seismic analyses including site-response analysis and liquefaction evaluation. Environmental engineering services included preparation of a Remedial Action Plan, Construction Health and Safety Plan, related construction documents, and coordination with the New York City Department of Environmental Protection.

AWARDS

2017 NYCxDesign Awards, Government/Institutional: Winner

2017 American Institute of Architects New York Design Awards, Architecture: Merit Award

RWJBARNABAS HEALTH - EAST TOWER

Location:	New Brunswick, NJ
Client:	RWJBarnabas Health
Architect:	NK Architects
Partner:	O'Donnell & Naccarato (Structural)
Services:	Site/Civil, Geotechnical, Surveying/Geospatial, Traffic & Transportation

OVERVIEW

Langan provided surveying, geotechnical, site/civil, and traffic engineering services for the RWJ East Tower, which includes nine stories of parking with two floors of office space. The project provided the hospital with over 700 additional parking stalls for patients and staff. Langan provided multi-discipline engineering services for the project including 3D laser scanning of the adjacent hospital buildings and a full intersection design for the new garage entrance.

GUARDIAN LIFE INSURANCE REGIONAL HEADQUARTERS

Location: Hanover, PA
Client: Guardian Life Insurance Company of America
Services: Site/Civil, Traditional Surveying, Traffic & Transportation, Geotechnical

OVERVIEW

Langan provided a full range of engineering services for the development of a new three-story, 281,680-SF corporate building on a 31-acre site. The Guardian Life Insurance Company of America, one of the nation's largest mutual life insurers and a leading provider of employee benefits, selected Lehigh Valley for its regional headquarters, which will replace its current regional headquarters located in three buildings in Bethlehem and one in Allentown.