

**RUTGERS UNIVERSITY**



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## RUTGERS UNIVERSITY - BUSINESS SCHOOL

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

### OVERVIEW

This 6-story building, designed to achieve LEED Silver certification, is the gateway feature to the master-planned Livingston Campus. The building provides more than two dozen teaching rooms and a 440-seat, theater-styled auditorium. Langan's stormwater management strategy incorporated several Best Management Practices such as a bioretention basin and a constructed stormwater wetland. Project challenges included the relocation of several active campus utility mains and the incorporation of a geothermal well field into the project's overall green initiative.

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## RUTGERS UNIVERSITY - THE YARD @ COLLEGE AVENUE

Location: New Brunswick, NJ  
Client: New Brunswick Development Corporation (DEVCO)  
Architect: Elkus Manfredi  
Services: Site/Civil, Traffic & Transportation

### OVERVIEW

The Yard @ College Avenue is slated to be the new focal point of the Rutgers New Brunswick campus. This 14-story apartment complex will add housing for approximately 450 students. The building's U-shaped design allows for a 25,000 SF public courtyard that is lined with commercial vendors and a shore-style boardwalk. Langan provided site/civil engineering design services including site layout, stormwater management, and utility design. In addition, Langan provided the necessary permitting support.

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## RUTGERS UNIVERSITY - LIVINGSTON CAMPUS MALL

Location: Piscataway, NJ  
Client: Rutgers University  
Services: Landscape Architecture, Surveying/Geospatial, Site/Civil

### OVERVIEW

The Livingston Campus Mall project redesigned a 1.5-acre promenade through the center of this Rutgers campus. The mall serves as the primary pedestrian connection for residence, classroom, library and dining facilities. The west end of the mall was integrated with the new Livingston Campus Student Center. To develop a unified design, Langan worked with key campus staff to conceptualize a design theme of small plazas connected by the cohesive paving patterns of proposed walkways.

### AWARDS

New Jersey ASLA Award

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## RUTGERS UNIVERSITY - NURSING AND SCIENCE BUILDING

Location: Camden, NJ  
Client: H2L2, a Nelson Company  
Architect: Perkins Eastman  
Services: Site/Civil, Geotechnical, Traditional Surveying

### OVERVIEW

Langan is providing engineering services for this world-class teaching and research facility located on the university's satellite Camden Campus. The new 100,000-SF building will include classrooms and lecture halls, conference rooms, and space for administrative faculty. Langan is providing site/civil engineering, geotechnical engineering, and surveying services on the project. We performed a geotechnical subsurface investigation for the proposed new school building in order to obtain subsurface data necessary to develop foundation, earthwork, and site and subgrade preparation recommendations. Langan's site/civil engineers have coordinated our design work with the project team and Rutgers University to finalize the site grading and finished floor elevations.

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## RUTGERS UNIVERSITY - FOOTBALL STADIUM EXPANSION

Location: Piscataway, NJ  
Client: Rutgers University  
Architect: Populous  
Partner: Gilbane  
Services: Site/Civil

### OVERVIEW

Langan provided site/civil engineering design and permitting services for the Rutgers Stadium Expansion in Piscataway, New Jersey. The expansion closed in the existing U-shaped stadium with the addition of approximately 11,000 seats in the south end zone area. In addition, approximately 1,000 seats were added at the northern end zone and several luxury boxes and club seats were constructed within the eastern and western portions of the existing stadium. Langan provided full engineering design services including site layout, grading and drainage, and utilities.

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## RUTGERS UNIVERSITY - MUSIC HALL EXPANSION

Location: New Brunswick, NJ  
Client: Rutgers University  
Architect: Farewell Architects  
Services: Site/Civil, Surveying/Geospatial

### OVERVIEW

Langan provided site/civil engineering design and permitting services for the expansion of Nicholas Music Hall on the Rutgers University's Cook Douglass Campus. The project adds rehearsal and teaching studios, practice rooms, a dance studio, and a choral suite. In addition, an outdoor plaza area was constructed adjacent to the building expansion. Langan provided full engineering design services including site layout, grading and drainage, stormwater management, and utilities. Langan also provided topographic surveying services.

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## RUTGERS UNIVERSITY - CENTER FOR INTEGRATIVE PROTEOMICS RESEARCH

Location: Piscataway, NJ  
Client: Rutgers University  
Architect: NK Architects  
Services: Site/Civil, Landscape Architecture

### OVERVIEW

Langan provided site/civil engineering design, permitting services, and landscape architecture for the Rutgers University Center for Integrative Proteomics Research (CIPR) on the Busch Campus. The CIPR project is intended to centralize the University's research and library facilities for protein studies. Langan's design responsibilities include site layout, grading and drainage, stormwater management, utility layout, soil erosion measures for steep slopes, sitework construction details, and construction specifications.

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## RUTGERS UNIVERSITY - 250TH ANNIVERSARY PLAZA

Location: New Brunswick, NJ  
Client: New Brunswick Development Corporation (DEVCO)  
Architect: Elkus | Manfredi Architects, Hargreaves Associates  
Services: Site/Civil

### OVERVIEW

Rutgers University commenced the 250th anniversary of its founding with the opening of a new Academic Building and Plaza on the College Avenue Campus in New Brunswick. The oval shaped plaza is located north of the new academic building, the first academic facility to be built on the College Avenue campus since the 1970s. The plaza includes pavers underlain by a concrete slab and a curved seat wall. Langan provided civil engineering plans and the structural design of the seat wall foundation, paver slab, and tent supports. The foundation design includes a specific detail which will span the seat-wall foundation over the previously installed high temperature hot water lines. We also coordinated the grading and site design with the landscape architects.

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## RUTGERS UNIVERSITY - 15 WASHINGTON STREET

Location: Newark, NJ  
Client: Rutgers University  
Architect: Newman Architects  
Services: Site/Civil, Landscape Architecture, Surveying/Geospatial

### OVERVIEW

Langan provided surveying, civil engineering, landscape architecture, and asbestos abatement services for the renovation of an existing 21-story building, built in 1930, into student housing, a welcome center, auditorium, store with café, and other administrative uses. This facility complements the Rutgers Newark Campus, establishing its northeastern edge along Washington Street.

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