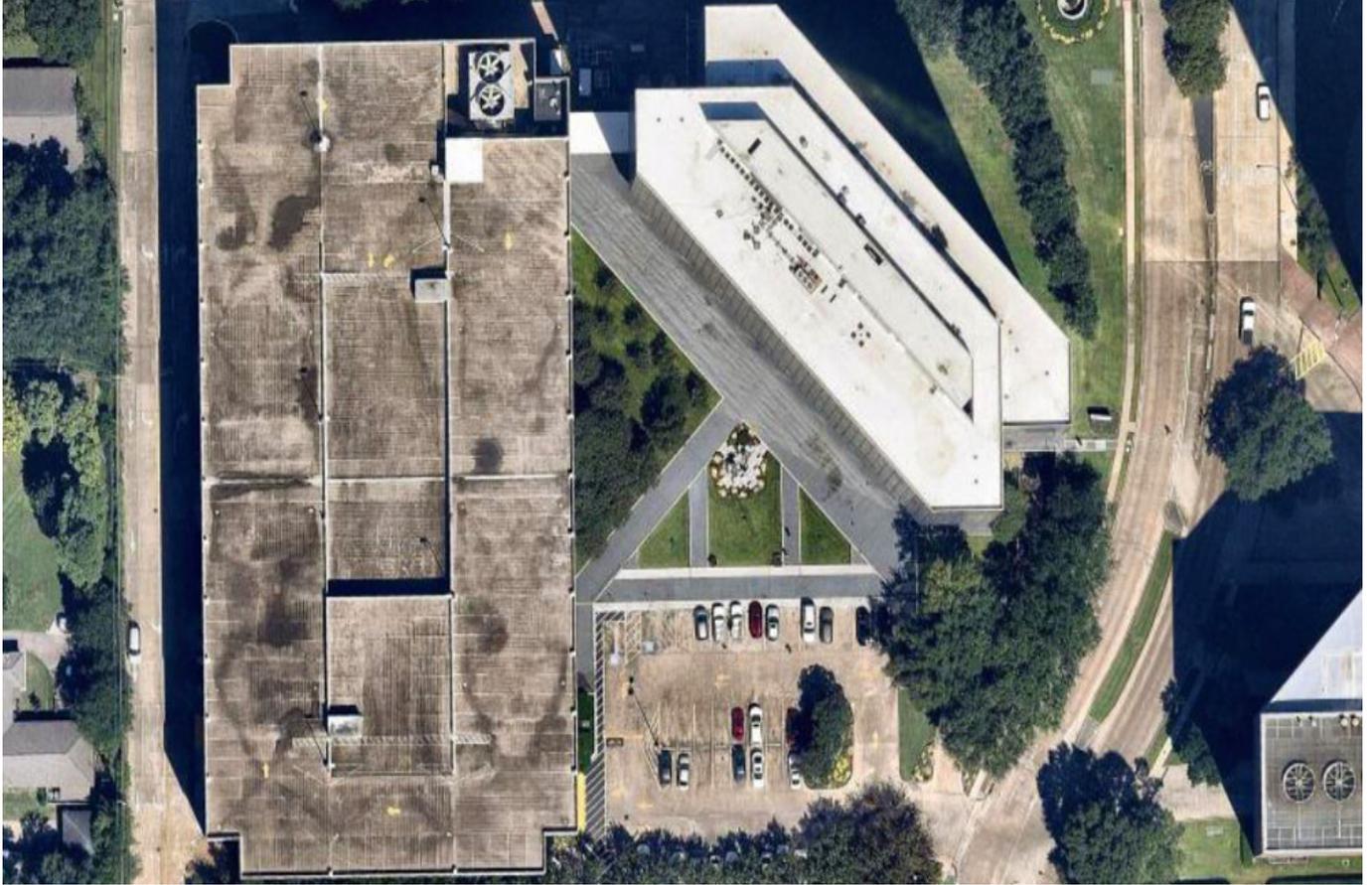


## TRANSPORTATION PLANNING AND MODELING EXPERIENCE



Technical Excellence. Practical Experience. Client Responsiveness.



## 5599 SAN FELIPE - SCHLUMBERGER FITNESS CENTER

Location: Houston, TX  
Client: Schlumberger, Tanglewood Properties  
Architect: Gensler  
Services: Site/Civil, Geotechnical,

### OVERVIEW

Tanglewood Properties retained Langan to perform geotechnical and civil engineering services in support of the proposed expansion to the Schlumberger office tower located at 5599 San Felipe. The project included a new fitness center to be located adjacent to the existing parking garage and site improvements to include an underground detention system. Project challenges included working on an active campus, existing underground utility conflicts, undocumented fill placement adjacent to the existing garage requiring deep foundations and limited room to install an underground detention system. Langan worked closely with the Structural Engineer and Architect to coordinate both the site investigation and the design of the site improvements. The project required review and approval from the City of Houston.

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## FULFILLMENT CENTER - FALL RIVER

Location: Fall River, MA  
Client: Clarion Partners, Trammell Crow Company  
Architect: MacGregor Associates Architects  
Services: Site/Civil, Geotechnical, Environmental, Surveying/Geospatial,  
Landscape Architecture,

### OVERVIEW

Langan provided a variety of services for the design and construction of the fulfillment center located in Fall River. Design services included layout of the one million SF distribution center along with 1,500± passenger vehicle parking stalls, a truck court, a rain garden, and a stormwater management basin. Langan met the water quality requirements for the site by designing a rain garden and stormwater management basin as opposed to using numerous expensive water quality manufactured treatment devices. Langan quickly and efficiently prepared and delivered a site plan submission to the regulatory agencies and approvals were obtained in short order, with few comments and very minor revisions.

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## CHRIN - LOT 30

Location: Palmer Township, PA  
Client: DCT Industrial, The Charles Chrin Companies  
Services: Site/Civil, Geotechnical, Surveying/Geospatial, Traffic & Transportation, Landscape Architecture,

### OVERVIEW

Langan developed a site feasibility study including comprehensive geotechnical and land development recommendations for a proposed 425,000-SF warehouse on the approximate 37-acre site. The feasibility study was used as a basis for the subdivision, land development plans and permits for the project. Challenges at the site include karst (limestone) geology that is prone to sinkholes, which limited the ability to meet the state storm water requirements and the need for a building surcharging program, shallow bedrock, and existing floodplain areas.

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## UNIVERSITY OF HOUSTON CLEAR LAKE - STEM BUILDING AND LOOP ROAD

Location: Clear Lake, TX  
Client: University of Houston Clear Lake  
Architect: FKP Architects  
Services: Site/Civil,

### OVERVIEW

Langan was retained to provide site/civil design services for the the construction of a 125,000 GSF building that houses the University's STEM programs, as well as a loop road extension. Our services included grading, coordination with existing structures, water, sewer and storm sewer connections, drainage and detention design coordination with existing site utilities, and architectural, MEP and landscape plans.

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## FULFILLMENT CENTER - DENVER

Location: Aurora, CO  
Client: Prologis  
Architect: Ford & Associates Architects  
Services: Site/Civil, Traffic & Transportation,

### OVERVIEW

Langan provided site/civil and traffic engineering services for the design and construction of the fulfillment center in the Prologis Park 70 Distribution Park. Design services included layout of the 1 million SF distribution center, 1,000 passenger-vehicle parking stalls, a truck court with 450 trailer parking stalls, and associated utility infrastructure improvements. Langan also prepared a traffic impact study for the developer and regulatory agencies. The tenant's deadline for occupying the building resulted in a very tight project schedule for the design, permitting, and construction phases. Langan was able to quickly and efficiently prepare and deliver a site plan to the regulatory agencies, which approved the plans within the tight scheduling requirements.

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## FULFILLMENT CENTER - LOGAN TOWNSHIP

Location: Logan Township, NJ  
Client: Dermody Properties  
Architect: Ford & Associates Architects, Inc.  
Services: Site/Civil, Geotechnical, Natural Resources & Permitting,  
Traffic & Transportation, Landscape Architecture,

### OVERVIEW

Langan provided a variety of services for the design and construction of the fulfillment center located in Logan Township, New Jersey. Design services included layout of the one million-square foot distribution center along with 1,500± passenger vehicle parking stalls, a truck court, and modifications to existing stormwater management basins. The project posed several unique challenges, including frontage improvements, NJDEP Land Use permitting, a lack of sanitary sewer and water and a significant amount of coordination with the various regulatory agencies (Logan Township, NJDEP, NJAW, LTMUA, Gloucester County, USACE, Gloucester County Soil Conservation District, and Tidelands Bureau).

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## SORTATION CENTER - TETERBORO

Location: Teterboro, NJ  
Client: Confidential  
Services: Site/Civil, Geotechnical, Traffic & Transportation,  
Surveying/Geospatial,

### OVERVIEW

Langan performed site/civil, traffic, geotechnical, and local permitting assistance for an existing facility located in Teterboro, New Jersey. The proposed development included interior building modifications to convert the existing facility to a sortation center with a delivery service component. The project required exterior site improvements, including the addition of loading docks and the reconfiguration of truck/car parking areas. Langan also went through extensive permitting with the NJDEP, as the entire site is located within the floodplain.

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## CHRIN NW QUADRANT

Location: Palmer Township, PA  
Client: The Charles Chrin Companies  
Services: Surveying/Geospatial, Traffic & Transportation, Site/Civil,

### OVERVIEW

Following the success of other businesses in the Chrin Commerce Center, the latest multi-use lot to be developed will provide warehouse space for business expansion in the North East Corridor. The development will include a 1.1-million-SF warehouse/distribution center that will provide much needed storage space for the burgeoning online marketplace. Langan provided survey and traffic and transportation engineering design and permitting services for a high-volume driveway along Main Street (S.R. 1002). Challenges of the project included stormwater management design that limits the effect on the surrounding Karst (limestone) geology and roadway re-profiling to meet sight distance requirements at the new signalized intersection.

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