

**BROWN-CONSTRUCTION**

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## UNIVERSITY OF CALIFORNIA, MERCED - CAMPUS-WIDE EXPANSION

Location: Merced, CA  
Client: Webcor Construction  
Services: Geotechnical

### OVERVIEW

The University of California, Merced, will expand its campus - an unprecedented four-year project that will nearly double the physical capacity of the campus by 2020, allowing it to grow to 10,000 students. The new facilities will be built within a 219-acre site. Langan is providing geotechnical services in support of the expansion project.

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## OHLONE COMMUNITY COLLEGE

Location: Newark, CA  
Client: Ohlone Community College District  
Architect: MBT Architecture  
Services: Environmental, Geotechnical

### OVERVIEW

Langan performed environmental investigations for Ohlone Community College, an 80-acre former agriculture site. Our team provided an evaluation of soil, groundwater, and air quality. We also performed a master plan and design-level geologic hazard evaluation and geotechnical investigation.

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## YOSEMITE COMMUNITY COLLEGE DISTRICT - MODESTO JUNIOR COLLEGE

Location: Modesto, CA  
Client: Yosemite Community College District  
Partner: Kitchell CEM  
Services: Environmental

### OVERVIEW

Langan designed the vapor mitigation systems for four new buildings at the Yosemite College District's (YCCD) Modesto Junior College campus. This project for YCCD is part of a massive expansion funded by the California Measure E Bond Program. The new buildings include the following: (1) Allied Health Building, (2) Ag Pavilion, (3) Community and Science Center, and (4) Agricultural Housing. Our services included the design and construction observation of vapor mitigation systems, which consist of a sub-slab venting system and vapor barrier membrane in three of the four buildings, and a crawl space venting system in the fourth, in order to mitigate volatile organic compound intrusion into the indoor air.

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## UCSF, MISSION BAY - SANDLER NEUROSCIENCES CENTER

Location: San Francisco, CA  
Client: Clark Construction Group  
Architect: SOM  
Services: Geotechnical, Environmental

### OVERVIEW

The LEED Gold-certified Sandler Neurosciences Center at UCSF Mission Bay is one of the largest neuroscience complexes in the world. Built on land reclaimed in the 1880s, the site was underlain by heterogeneous fill, weak and compressible Bay Mud, dense sand, and bedrock. For the new five-story, 237,000-SF building, Langan performed a geotechnical investigation, consisting of borings advanced to-bedrock. We recommended pile foundations, below-grade walls, seismic design, utilities, and earthwork. Due to elevated methane concentrations in soil gas beneath the site, Langan designed the building's methane mitigation system to prevent methane gas from intruding into the structure.

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## SANTA ROSA JUNIOR COLLEGE - CULINARY ARTS & STUDENT SERVICES BUILDINGS

Location: Santa Rosa, CA  
Client: Santa Rosa Junior College  
Architect: BSA Architects  
Services: Geotechnical

### OVERVIEW

The Culinary Arts Center consists of a 2-story, 25,000-SF steel-framed building with a slab-on-grade floor. The building footprint is about 15,000 SF. The Student Services Center consists of a 1- to 3-story, steel-framed building with a slab-on-grade first floor. The building footprint is about 75,000 SF. Langan performed a geologic hazard evaluation and geotechnical investigation for both buildings. Our geologic hazard evaluation and geotechnical investigation complied with the requirements of the California Code of Regulations, Title 24.

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## CENTERRA APARTMENT TOWER

Location: San Jose, CA  
Client: Simeon Commercial Properties  
Architect: Ankrom Moisan Architects  
Partner: Nishkian Menninger  
Services: Geotechnical

### OVERVIEW

Langan performed a geotechnical investigation for this 21-story, 347-unit apartment project in San Jose's downtown core. The high-rise apartment tower consists of one and two-bedroom units, as well as a pool, gym, outdoor common area, a pet park, and 7,000 SF of retail space. The apartment units were constructed over four levels of above-ground parking, which will include a large bicycle storage area and an adjoining repair area on the ground floor.

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## HUNTERS POINT NAVAL SHIPYARD

Location: San Francisco, CA  
Client: Successor Agency to the San Francisco Redevelopment Agency, Office of Community Investment and Infrastructure  
Services: Environmental, Geotechnical

### OVERVIEW

Hunters Point Naval Shipyard is on 638 acres of waterfront in the southeast corner of the San Francisco Bay and was established as a commercial shipyard in 1870. Langan is aiding in the process of property transfer and redevelopment by providing the San Francisco Redevelopment Agency with peer review consultation related to the environmental and geotechnical aspects.

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## PARKMERCED

Location: San Francisco, CA  
Client: Parkmerced Investors, LLC  
Services: Geotechnical

### OVERVIEW

Langan is providing geotechnical consulting services for the Parkmerced Vision Plan Implementation - Phase 1, which will pioneer a complete transformation from the existing resource-consuming neighborhood to a vibrant, pedestrian-focused, efficient community for the future. The site is currently a 3,221-unit rent-controlled apartment community with a mix of low-rise garden apartments and mid-rise towers. Over a period of 20 to 30 years, the project will replace 1,538 existing garden apartment homes and construct 5,679 new residences, bringing the whole neighborhood to a total of 8,900 residences with a mixture of rental and for sale.

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## TRINITY PLACE

Location: San Francisco, CA  
Client: Trinity Properties  
Architect: Arquitectonica  
Services: Geotechnical

### OVERVIEW

Langan performed the geotechnical investigation and is providing geotechnical services for all four phases of this massive development in San Francisco's Mid-Market corridor. Once complete, the complex, consisting of four distinctive high-rise buildings, will feature 1,900 housing units, 1,450 parking spaces, and 60,000 square feet of ground-floor retail.

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## ARTIST WALK - CENTERVILLE

Location: Fremont, CA  
Client: BVH CenterStreet Properties LLC  
Services: Environmental

### OVERVIEW

Artist Walk is a community-focused, mixed-use development in Fremont's Centerville District. It consists of five buildings between three and four stories. It includes almost 29,000 SF of ground floor commercial space, 185 residential apartments (market rate and affordable), a community center, and a public courtyard. Langan's environmental team is addressing contaminated soil and subsurface soil-vapor gas found in some parts of the 6.7-acre site.

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## ALAMEDA LANDING

Location: Alameda, CA  
Client: Catellus Alameda Development, LLC, Target Corporation,  
Tri-Pointe Homes, LLC  
Architect: MCG Architecture, MBH Architects, Perkins + Will  
Services: Geotechnical

### OVERVIEW

Alameda Landing is a 96-acre waterfront mixed-use development consisting of residential, retail, and office buildings. Langan provided geotechnical services for the foundation design of this multi-phased project. The initial phase is construction of the commercial complex, while later stages will focus on the residential units.

### AWARDS

2015 U.S. Environmental Protection Agency Phoenix Award - Excellence in Brownfield Redevelopment

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## EASTLINE - 2100 TELEGRAPH AVENUE

Location: Oakland, CA  
Client: Lane Partners & Strategic Urban Development Alliance  
Architect: Gensler  
Partner: Magnusson Klemencic Associates (MKA)  
Services: Geotechnical, Site/Civil, Earthquake/Seismic

### OVERVIEW

The planned mixed-use project at 2100 Telegraph will occupy the entire 3.2-acre block, making it one of the largest developable sites in downtown Oakland. Running beneath the site are three concrete tunnel box structures that contain Bay Area Rapid Transit's (BART) rail lines. Langan evaluated the soil and groundwater conditions at the site and developed conclusions and recommendations regarding the site seismicity and seismic hazards, probable foundation types for the new structure(s), foundation settlement behavior, floor slab support, construction considerations, and seismic design criteria in accordance with the 2013 California Building Code. Langan's civil engineering services included performing boundary and topographic surveys and support the project through the initial Planning Application of the project.

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## 3093 BROADWAY

Location: Oakland, CA  
Client: CityView  
Architect: VTBS Architects  
Services: Environmental, Geotechnical

### OVERVIEW

Langan is providing geotechnical and environmental engineering services for the design and construction of a seven-story, mixed-use development at 3093 Broadway. Located along Oakland's historical Auto Row, this project is a critical piece of the City of Oakland's vision for revitalization of this neighborhood into a vibrant retail and mixed use district under the Broadway-Valdez District Specific Plan. The building will occupy the entire 150,000 SF parcel with retail and parking on the first level and residential units in the upper six levels. The historical automobile showroom façade from the previous site use was retained and repurposed into the development.

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## SUTTER MEMORIAL REDEVELOPMENT: SUTTER PARK NEIGHBORHOOD

Location: Sacramento, CA  
Client: StoneBridge Properties  
Services: Geotechnical, Environmental

### OVERVIEW

This project includes demolishing a hospital to construct a community-centric neighborhood that maintains the East Sacramento style. The proposed project includes 20 single-family homes in various styles, a 12-unit multi-family building, a commercial/retail building, a centrally-located park, and smaller parks and community gardens on a 20-acre site. Challenges included coordinating the demolition and environmental remediation activities with the development, identifying material for re-use in construction, and identifying and evaluation potential import materials.

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## THE CAMDEN AT SELMA AND VINE

Location: Los Angeles, CA  
Client: Camden Development, Inc.  
Services: Geotechnical, Earthquake/Seismic

### OVERVIEW

The Camden Hollywood is a planned mixed-use development consisting of a 7-story above-grade structure with over 280 market-rate apartment units and almost 40,000 SF of ground floor commercial space. The building sits on top of a four-story below-grade parking garage. Langan provided geotechnical engineering, deputy grading inspection, and construction observation for this project.

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## BRIDGE DISTRICT TOWNHOUSES DEVELOPMENT

Location: West Sacramento, CA  
Client: Fulcrum Property  
Services: Geotechnical

### OVERVIEW

Langan provided geotechnical investigation for the Bridge District Townhouses. The townhouse sites are located in an undeveloped portion of the Bridge District near the Sacramento River, between the eastern and western parcels of the Bridge District Apartments project. The proposed project consists of construction of four apartment buildings and four townhouse buildings. Langan evaluated subsurface conditions at the site and provided conclusions and recommendations for the geotechnical aspects of the design of the project. We anticipate additional improvements will include new pavements, hardscaping, and landscaping.

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