



EDUCATION

B.S., Geology, University of California Davis, 2003

PROFESSIONAL ORGANIZATION

Association of Engineering Geologists

ACCOMPLISHMENTS

Geologic investigations for public agencies
Landslide repairs and geologic mapping projects
Foundation studies for residential and commercial development
Construction quality assurance for landfill liner placement and cell development
Radiation safety officer

REPRESENTATIVE EXPERIENCE

Subdivision Geotechnical Investigations Bay Area, CA
Project geologist for geotechnical investigations for over 10 residential subdivisions. Scope of work included evaluation of landslide, drainage, expansive soil, fault, soil erosion, and bedrock geology related hazards in complex hillside environments.

Landslide Stabilization Various locations, CA
Provided geologic services for over 40 landslide investigations and stabilization projects throughout the SF Bay Area. Repair systems included construction of engineered fills, retaining walls, geogrid reinforced earth embankments, buttress fills, soldier pile walls, and rip-rap revetments.

Orinda City Offices Orinda, CA
Provided site characterization and construction observations for the new Orinda city offices. Scope of work included plan review, compaction testing, review of fill compaction data, pier and footing inspection prior to concrete placement, observation and approval of excavations and subdrain installation, and underground utility trench approval.

Zander Drive Landslide Orinda, CA
Project geologist for the geologic and geotechnical characterization and stabilization alternatives and feasibility study for a 300 foot wide, 1000 foot long and 105+ foot deep landslide below a city street and two city-owned parcels. Geotechnical investigations included the review of numerous previous reports and studies, completion of a subsurface exploration, instrumental, monitoring, and testing program; preparation of a landslide characterization report and a design alternatives report, and cost estimating.

PG&E Relocation at Vasco Road Alameda County, CA
Project geologist during grading and pipeline construction for relocation of approximately 2 mile long segments of 24 and 36 inch diameter PG&E high pressure gas lines as part of the Vasco Road realignment project being completed by Alameda County Public Works Agency. Responsibilities included coordination with grading contractor, County construction inspectors and PG&E project personnel, observation and testing of fill placement, keyway and subdrain approval, and drilled pier hole approval for temporary shoring wall.

Municipal Storm Drain Lafayette, CA
Project Geologist for development of geotechnical design parameters. Scope of work included continuous sampling of soil and bedrock materials with pitcher barrel sampler, analysis of soil and bedrock characteristics, and provided geotechnical recommendations of the drain installation.

Hennessy Creek Bypass Fairfield, CA
Project Geologist for obtaining information regarding the surface and subsurface soil conditions and providing geological engineering recommendations for this project. Work included the review of published soil and geologic maps of the area, drilling and sampling of six exploratory borings, evaluation of the materials encountered at the borings, liquefaction and seismic hazards analysis and the development of geological design parameters.

Geotechnical Levee Certification Alameda County, CA
Project geologist for subsurface exploration and testing for FEMA certification project for 26 miles of levees in Fremont and south Alameda County. Responsibilities included: coordination with drillers, Alameda Flood Control District staff, and outside permitting agencies; logging and sampling of more than 50 mud rotary wash and hollow stem auger borings along the levees; and coordination of environmental sampling and laboratory soils testing.

CQA for Municipal Landfill Hollister, CA
Provided review of Construction Quality Assurance Monitoring for construction of new cells at John Smith Road Landfill. Projects included field testing during grading, field testing of clay liner, and logging and field testing of geosynthetic liners.

CQA- Fairmead Landfill Madera County, CA
Provided Construction Quality Assurance Monitoring for construction of three new cells at the municipal landfill in Fairmead, CA. Project included field testing during grading, field testing of clay liner, and logging and field testing of geosynthetic liners.

Landfill Closure Stabilization Jamestown, CA
Project geologist for geotechnical investigation and design of slope stabilization measures for failed cover on a closed municipal solid waste landfill. Project included design of mechanically stabilized earth retaining structures in deep canyon and reconstruction of landfill cover system cover. Analyses included global stability of the landfill and internal stability of the landfill cover system which consisted of a low strength clay layer. Provided CQA monitoring of geosynthetic liner placement and performed subsurface investigation for retention structure.

Landslide Mapping Bay Area, CA
Completed mapping of landslide features at various locations throughout the SF Bay Area. Scope of work included aerial photo mapping and field mapping of geomorphic features within a given project site.