



EDUCATION

B.S., Civil Engineering, University of California at Berkeley, 2005
International Erosion Control Association 2006 Conference
CPN Training Course on Radiation Safety and Use of Nuclear Gauge

PROFESSIONAL ORGANIZATION

International Erosion Control Association
American Society of Civil Engineers

ACCOMPLISHMENTS

Geotechnical-related structure design
Geogrid-reinforced soil slopes and segmental retaining wall designs
Preparation of plans and specifications for municipal agencies
Construction Quality Assurance for Landfill Liner Placement and Cell Development

REPRESENTATIVE EXPERIENCE

Landslide Repair Lafayette, CA
Field engineer during remedial grading of a landslide. Project included slope stabilization of 3000 cubic yards of soil of a hillside adjacent to several homes. Work consisted of geotechnical observations, compaction testing during grading, and completion of record drawing during construction.

Subdivision Geotechnical Investigation Oakley, CA
Project engineer for geotechnical investigation for 19.6 acre property to be subdivided into 75 to 80 single family residential parcels. Work included logging geotechnical borings, preparation of the Boring Logs, and related figures, and a liquefaction analysis for the site.

Slope Instrumentation Monitoring Bay Area, CA
Provide periodic monitoring of slope movement using RST Instruments Digital Inclinometer for various projects throughout the Bay Area. Information collected was used in design of several slope stabilization projects.

McKillop Road Emergency Stabilization Oakland, CA
Project Engineer for design of a double retaining wall system used to stabilize McKillop Road from a landslide migrating toward the street. Project included design of a 160 linear feet inner soldier pile wall with two rows of tiebacks, and 190 linear feet outer soldier pile shoring wall connected to the inner wall using tie rods.

Peralta Creek Improvements Oakland, CA
Project engineer for geotechnical investigation and design of creek bank retaining wall systems as part of an Alameda County Flood Control District-led project to improve the hydraulic capacity and habitat of a section of open flood control channel / creek in the Oakland flatlands. Work included subsurface borings and laboratory testing, preparation of a geotechnical design memorandum, design of new variable batter soil nail retaining walls, cantilever reinforced masonry retaining walls, and stabilization of

existing un-engineered retaining walls; and engineering services during construction.

Sheet Pile Retaining Wall for Creek Alamo, CA
Project Engineer for design of emergency streambank stabilization project. Project included design of a new 50 foot long sheet pile retaining wall adjacent to San Ramon Creek. Performed design analysis and prepared plans for the wall and helical tieback anchor system.

CQA for Municipal Landfill Avenal, CA
Construction Quality Assurance Monitor for construction of new cells at Avenal Regional Landfill. Projects included field testing during grading, field testing of clay liner, and logging and field testing of geosynthetic liners.

CQA for Municipal Landfill Hollister, CA
Construction Quality Assurance Monitor 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.

Rock Fall Protection Barrier Alameda County, CA
Project Engineer for developing plans, specifications, and construction cost estimate for rock fall protection barrier above Palomares Road MP 8.70 in Alameda County. A wire mesh slope protection net was utilized to prevent future rock fall events from entering the roadway.

Eden Canyon Road Stabilization Alameda Co., CA
Project engineer for developing plans, specifications, and construction estimates for a federally funded roadway stabilization project in unincorporated Alameda County. Worked closely with the County's project manager and engineering staff to develop the scope of the project based on previous, limited geotechnical work completed by others. Work also included the design of a multi-level tieback retaining wall which supported the upper portion of a larger landslide that had encroached into the roadway.