



PHILLIP GREGORY
Principal Geotechnical Engineer
California Civil Engineer No. 40728
California Geotechnical Engineer No. 2193

EDUCATION

M.S., Civil Engineering (Geotechnical), University of California at Berkeley, 1984
B.S., Civil Engineering, University of California at Berkeley, 1983

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers
American Public Works Association
International Geotextile Society
International Erosion Control Association
Post Tensioning Institute
United States Society of Dams
Floodplain Management Association



ACCOMPLISHMENTS

Twenty five years professional geotechnical engineering experience
Managed more than 60 public works slope repair projects for ten separate agencies
Designer of over 150 geogrid reinforced slopes and retaining walls
Former soil testing instructor at Chabot Junior College in Hayward
Invited lecturer on geosynthetics, slope stability, and erosion control
Former co-Chairman of the Slope Technology Committee of IECA

REPRESENTATIVE EXPERIENCE

Montevina Commercial Development Livermore, CA
Managed geotechnical exploration and report for commercial development in Livermore, CA. The project included remedial grading of the site, stabilization of expansive soil subgrade using lime treatment, and construction of 16 separate one and two story commercial buildings and associated improvements on a 9 acre site.

Seaborg Library and Learning Center Lafayette, CA
Project manager for geotechnical and foundation investigation for \$30 million municipal library and research center. Project includes two stories of below ground parking and includes retaining walls and foundations on drilled piles and conventional footings.

Community Parks Lafayette, CA
Managed geotechnical investigations for development of an 88 acre park site and redevelopment of an existing 16 acre ballpark for the City of Lafayette. Study included stream bank stability issues, slope stabilization, pavement design, and design of 140 foot long pre-fabricated pedestrian bridge.

Stanley Boulevard Embankment Reconstruction Alameda County, CA
Provided emergency investigation, design, and preparation of PS&E for 15 meter high geocell faced, geogrid reinforced embankment reconstruction for the major arterial road between Pleasanton and Livermore. Project was FHWA-funded and received an outstanding achievement award from the local chapter of the American Public Works Association.

Highway 1 Widening Retaining Walls Carmel, CA
Project manager for design including Caltrans PS&E of segmental retaining walls incorporated as part of a Caltrans reviewed and approved widening of Highway 1 in Carmel. Project incorporated pile supported retaining walls due to environmental constraints.

Vasco Road Realignment Livermore, CA
Project manager for geotechnical study completed for Alameda County Public Works Agency for re-alignment of approximately 1.2 km of major roadway between eastern Alameda and Contra Costa counties. Project consists of large 25 meter cut into faulted and intensely fractured bedrock situated along an active trace of the Greenville Fault. Work included completion of approximately 20 coreholes and borings, exploratory trenching, and geophysics, and design of reinforced soil embankments and retaining walls.

Sewer Relief Pipeline Oakland, CA
Managed a geotechnical study for the design and construction of a new 5500 lf, 66 inch diameter reinforced concrete sanitary sewer relief system in west Oakland, California. Project crossed from alluvial soil through Bay Mud and required special shoring and foundation treatment.

Carquinez Scenic Road Conversion Martinez, CA
Manager for geotechnical, civil, and planning study and conceptual plan development for conversion of landslide prone segment of Carquinez Scenic Drive into a segment of the Bay Trail. Project was completed for the Contra Costa County Public Works Department. Work included geotechnical investigation of several landslides, development of alternatives, estimates, and preparation of geotechnical, alternatives, and planning reports.

Geotechnical Levee Certification Alameda County, CA
Geotechnical manager for subsurface exploration and testing for FEMA certification project for 26 miles of Alameda County Flood Control/District levees in Fremont and south Alameda County. Work includes completion of over 80 cone penetration soundings and 30 deep rotary wash borings along the levees and laboratory soils testing. Subsurface conditions included 15 to 25 foot tall levees constructed over alluvial soils and soft bay mud deposits. Project was completed as part of FEMA levee certification for Alameda County Flood Control District.

Don Castro and Cull Creek Dams Castro Valley, CA
Principal-in-charge for subsurface investigation, testing, analysis, and evaluation of the seismic safety of two 50+ foot tall earth dams owned by the Alameda County Flood Control Agency. The project included subsurface exploration and testing, liquefaction analyses, seismic slope stability and deformation analyses, coordination with California DSOD, and development of conceptual remedial measures for one dam. Ongoing work includes the development and evaluation of remedial design concepts.

Upper Sand Creek Basin Flood Control Basin and Dam Contra Costa County, CA
Managed geotechnical exploration and testing in support of design and construction of a new 1000 acre foot flood control basin in Antioch, California. Work included exploration services, geologic and geotechnical analyses of the ancient landslide, and assistance in the preparation of construction plans and specifications.

Landfill Closure Stabilization Jamestown, CA
Project manager for geotechnical investigation and design of slope stabilization measures for failed cover on closed municipal solid waste landfill. Project included design of 60 foot tall 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. Completed design analyses and prepared plans, specifications, and estimates for \$5 million reconstruction of failed landfill closure system.