

# JONATHAN BAILEY, PE, GE, QSD

**POSITION IN FIRM:** Vice President and Corporate Secretary

**KEY QUALIFICATIONS:** Mr. Bailey has provided civil, geotechnical, and environmental engineering and project management services for public and private clients since 1988. His responsibilities include managing site investigations, laboratory analysis programs, civil, geotechnical, and environmental engineering analyses, design and report preparation, construction observation and testing, materials testing, forensic investigation and analysis, storm water controls design and monitoring, water sampling and analysis, permitting, and regulatory agency coordination. Mr. Bailey also specializes in storm water management and erosion/sediment control for construction projects, is a State of California Qualified SWPPP Developer (QSD) and Trainer of Record (TOR), and a Certified Professional in Erosion and Sediment Control (CPESC). Mr. Bailey is the firm's Responsible Engineer in charge of special inspection and construction materials testing, and manages the firm's information technology systems, Computer Aided Design/ Drafting department and field inspection staff. Mr. Bailey is also a Leadership in Energy and Environmental Design Accredited Professional (LEED-AP).

**EDUCATION:**

Bachelor of Science – Civil Engineering, University of California at Berkeley, California, 1988

Master of Science – Civil Engineering, University of California at Berkeley, California, 1990

**Professional Registrations:**

- State of California, Registered Professional Engineer in Civil Engineering (No. C52055)
- State of California, Registered Professional Engineer in Geotechnical Engineering (No. 3101)
- State of Oregon, Registered Professional Engineer in Civil / Geotechnical Engineering (No. 58598PE)
- State of California, Qualified SWPPP Developer / Practitioner and Trainer of Record (No. 28)
- Certified Professional in Erosion and Sediment Control (No. 2427)
- Leadership in Energy and Environmental Design Accredited Professional (2009).

**Professional Societies:**

- American Society of Civil Engineers (ASCE), International Code Council (ICC), California Stormwater Quality Association (CASQA), International Erosion Control Association (IECA)

**Honors and Awards:** Jane Lewis Fellowship in Geological and Geotechnical Engineering, 1989

**Experience Highlights:**

- Geotechnical engineering, construction observation and testing and foundation special inspection, and stormwater management and inspection services for over 800 residential subdivision projects in the Bay Area for clients including KB Home, Brookfield Residential, Taylor Morrison, TriPointe Homes, DR Horton, DeNova Homes, Shea Homes, Lennar, Pulte Homes, and others.
- Geotechnical engineering, construction observation and testing including Controlled Density Backfill design, and stormwater management and inspection services for over 50 major pipeline and commercial development projects in the Bay Area for private owners/contractors and public agencies.
- Lead consultant contracted to prepare the Oregon Department of Transportation Hydraulics Manual Volume 2 – Erosion and Sediment Control, and developed 2-3 day training program for ODOT employees. Instructor to deliver training courses at six locations throughout the state for all ODOT field staff, 1998-1999.
- Provided stormwater management programs (SWPPP) for over 500 construction projects in the Bay Area and Central Valley, including preparing SWPPP's, performing site inspections and compliance documentation, monitoring and sampling, providing training to staff, and permitting.

**Technical Papers and Articles:**

- "Constructability of Slurry-Supported Soil-Bentonite Barrier Walls," presented at the 36<sup>th</sup> Annual Meeting of the Association of Engineering Geologists, October 1993, San Antonio, Texas.
- "Multi-Site Remediation through Perimeter Ground Water Containment at the Chevron Refinery in Richmond, California," presented at the 36<sup>th</sup> Annual Meeting of the Association of Engineering Geologists, October 1993, San Antonio, Texas.

**Past Experience:**

2000 to Present Stevens, Ferrone & Bailey Engineering Company, Inc.

1994 to 2000 HARZA Engineering Company, Project Manager, Geotechnical Engineering Services

1990 to 1994 Dames & Moore, Inc., Project Engineer, Geotechnical Engineering Department

1988 to 1989 City of San Francisco, Utilities Engineering Bureau