Steven P. Viani, P.E
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Education and Specialized Training

BS Civil Engineering, California State University, Sacramento
Graduate courses in Geotechnical Engineering
Continuing education classes in claims avoidance, negotiations and project management
OSHA 40 hour training (current)
USACOE Construction Quality Management Certification

Professional Registrations

Registered Civil Engineer in California, Arizona and Washington
Licensed A, B & Haz. Contractor (RMO Alvia Services Inc)

Employment History

State Water Resources Control Board (2-year assignment with Army Corps of Engineers)-Senior Engineer	(1977-1982)
Kellogg Corporation-Senior Engineer	(1982-1983)
Department of Health Services-Senior Engineer	(1984-1987)
Roy F. Weston, Inc.-Project Director	(1987-1990)
Canonie Environmental Services, Inc.-Western Regional Manager	(1990-1994)
Geo Con Inc.-Western Regional Manager	(1994-1998)
Layne-Christensen Co.-Western Regional Manager	(1998-1999)
BCN Company-Vice President of Operations	(1999-2001)
Donald B. Murphy Contractors Inc.-Regional Manager	(2001-2003)
Private Consulting/Alvia Services Inc	(2003-2012)

Representative Experience

Over the past 35 years, has held senior level positions in construction, consulting and governmental entities. Have managed, directed or performed projects ranging from $3000 Phase 1 Preliminary Site Assessments to $20 Million site remediations, including many large and significant environmental and geotechnical construction projects as a direct hire contractor. Have 15 plus years experience in managing business units or departments with total P+L responsibility and staff management up to 35 people. Have developed various submittals including Storm Water Pollution Prevention Plans, Work Plans, Safety Plans, Erosion Control Plans as well as technical submittals. Has worked nationwide and internationally in Asia and Europe.

Legal, Claims and Defect Oriented Experience

- Provided expert services for construction dispute involving environmental remediation at a refinery in New Jersey.
- Provided expert witness services for accident involving multi-party construction site in Auburn, CA.
- Provided expert witness testimony for contractual dispute involving adequacy of geotechnical report, differing site conditions and cost to repair for sewer line in Las Vegas, NV.
- Provided expert witness services for issues related to a rock retaining wall causing damage to an adjacent dwelling in San Francisco, CA.
- Provided expert witness services and testimony for construction defect case involving expansive soils, construction impacts and water damage to a house foundation in Irvine, CA.

NOT YET RETAINED

- Provided expert services, including accident reconstruction of a major injury case involving truck loading at an active wastewater treatment facility in the San Francisco area.
- Provide expert services for a fatal accident involving improperly secured construction equipment.
- Provide expert services to insurance group for major shoring failure in San Francisco to determine cause and cost to repair.
- Provide contract review and claims support for water reservoir project in Honouliuli, HI affected by delays, changes and differing site conditions.
- Provided contract review and cost to complete for a 900 unit military family housing project in Honolulu, HI. Project encountered with numerous changes that required renegotiation of unit prices, payment for acceleration and additional time related overhead.
- Successfully negotiated a $ 6 million termination for convenience claim for a Superfund site. Developed an estimate of contractor costs and negotiated a fair and reasonable settlement while representing a state government entity. Project required negotiation of an acceleration claim for previous contractor, expert testimony at various court proceedings and presentations to media and elected officials.
- Prepared and negotiated a changed site conditions, acceleration, directed change, constructive change and defective and deficient contract document change order with the US Army Corps of Engineers for a slurry wall project.
- Developed and negotiated a changed condition change order for a bridge designed and owned by the US Forest Service.
- Developed and negotiated large change orders for quantity increases and changes for design/build environmental remediation projects.
- Developed claim document for high rise hotel in downtown Los Angeles involving directed changes, constructive changes, defective and deficient contract documents, acceleration and significant contractual issues.

Construction Oriented Experience

- Oversaw construction of large wastewater treatment plants, pump stations, earth-pressure balance and open road header tunnels and box sewers for Federal Government construction program in San Francisco. Tunnel was open face cut using road header and used steel sets and wood lagging prior to permanent liner. Length was approximately 1 mile and tunnel was 12 feet in diameter. Tunnel was constructed using Earth-pressure balance method and used gasketed steel liner plate that was extruded from TBM. Permanent concrete liner was then cast.
- Designed and constructed micropile foundation system for elevated transit structure for BART.
- Designed and constructed a micropile supported foundation for a building in Sacramento, CA.
- Constructed Administration, Switchyard and Electrical Control steel framed buildings consisting of about 50,000 square feet of useable area for a combined–cycle gas fired power plant.
- Designed/built a pre-engineered steel framed maintenance building for major northern California public utility at a wind energy facility.
- Designed and constructed a micropile foundation for a community college administration building in Alameda, CA.
- Designed and built a micropile project for a new state building in Sacramento.
- Designed and built a foundation seismic upgrade using micropiles for a public library in Alameda.
- Designed and built a micropile slope stabilization project for the emergency support of a sewer main sliding into a creek in Thousand Oaks.

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- Constructed slope stabilization for a hydro-electric powerhouse in the Sierra Nevada Mountains involving rock anchors, soil nails, drains and shotcrete.
- Designed and built a soil nail temporary excavation support system for the Bascon Engineering Building for UC Santa Cruz.
- Constructed projects using ground anchors, tiebacks, compaction grouting, chemical grouting, jet grouting, soil mixing, shotcrete, micropiles, driven piles and sheet piles, often under design/build contracts.
- Constructed soil nail, soldier pile and wood lagged excavation support projects for building excavations and soil removal projects.
- Constructed numerous slurry wall projects for seepage control using soil-bentonite, soil-cement-bentonite, soil-cement-bentonite-fly ash and soil-attapulgite for groundwater control on civil and environmental projects. Size of barrier walls ranged from 100,000 sf to 350,000 sf.
- Constructed ADA upgrade and remodel for US Coast Guard Pacific Strike Force Facility in Novato.
- Managed lead abatement, asbestos abatement, structural repairs and painting for 1400 military housing units at Beale Air Force base.
- Designed and managed asbestos abatement activities for 500,000 square feet of office space for TRW buildings in El Segundo.
- Performed ground improvement projects involving dynamic compaction and vibro compaction/vibro-replacement.

Remediation and Environmental Experience

- Expert services related to evaluation of asbestos abatement impacts to remodeling and seismic upgrade of courthouse in Hollister, CA.
- Developed a remediation plan for the removal of construction debris in Malibu, CA. Project involved the determination of quantity, permitting, construction oversight and closure parcel containing illegally disposed debris. Los Angeles County and Coastal Commission involvement.
- Developed a Remedial Investigation/Feasibility Study/Remedial Design for the removal of PCB's and PAH's from a site in Norwalk, CA. Documents were submitted to LAFD and City of Norwalk for approval prior to initiating cleanup. Clean closure granted.
- As part of a construction claim on a 4-story parking structure at San Francisco International Airport, evaluated an earthwork claim concerning the presence of hazardous waste, rock, trash and unsuitable materials and their effect on the project schedule. Further analysis of environmental requirements on illegal filling of wetlands in San Francisco Bay.
- Completed the remediation of the Capri Pumping Services site in East Los Angeles, CA. Site was contaminated with lead, copper, cadmium, solvents and petroleum hydrocarbons. Remediation of this State Superfund site included preparation of a health risk assessment for lead exposure to the surrounding community.
- Developed a Remedial Investigation /Feasibility Study for the Purity Oil Sales Superfund site in Malaga, CA. Site was former oil processor that had filled onsite ponds with construction debris containing lead and asbestos that impacted soil, surface water and groundwater. RI/FS included on-site and off-site investigation, surface water sampling, development of remedial objectives and interim remedial measures. Extensive US EPA involvement, public involvement and local government oversight.
- Oversaw the remediation of the Jibboom Superfund Site in Sacramento, CA. Site was a former scrap yard that had impacted the area with lead, PCB, and hydrocarbons. Extensive air monitoring of the perimeter was performed to limit migration of contaminants.

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- Site manager for the McColl Superfund site in Fullerton, CA. Involvement included site sampling of surface and subsurface runoff, construction of site facilities and management of remedial contractors.
- Project manager for the Kyocera facility in Sorrento Valley, CA. Project involved leaking solvent tank that impacted groundwater and adjacent wetlands and ponds. Project included on-site and off-site investigation, development of remedial alternatives, permitting and monitoring.
- Remediated a PCP impacted groundwater plume using funnel-gate technology at a wood treating facility. Project involved innovative concept using activated carbon in a passive treatment system.
- Designed and remediated 2500 CY TCA impacted soil inside an existing manufacturing structure in Southern California.
- Designed, permitted and remediated 70,000 CY of TPH impacted soil removal for the closure of the Lockheed C plant in Burbank, California. Closure granted.
- Oversaw the design and construction of a groundwater treatment facility for pesticide contaminated soils in Fresno, California as well as excavation of 10,000 CY of pesticide impacted soils.
- Remediated a TCE/TCA impacted groundwater plume using a Deep Soil Mix (DSM) wall that was 65 feet deep and had a surface area of 50,000 SF at an active railyard.
- Remediated soil impacted with solvents using vapor extraction at the Xerox site in Santa Ana. California. Project included permitting, monitoring and maintenance.
- Constructed a gasoline extraction trench using biopolymer slurry and an HDPE membrane at the port of Los Angeles.
- Constructed a composite HDPE (Gundwall) wall inside of a soil-bentonite slurry cutoff to contain a plume of pregnant leachate from a copper heap leach facility and prevent the plume from reaching the river.
- Developed environmental analysis for portion of former Superfund site that would be removed from Superfund designation to assess impacts on new owners of that piece of property.

Consulting Oriented Experience

- Planning and conceptual design for construction of a multi-waste stream processing center for an industrial waste recycling center in San Diego County, CA.
- Developed geotechnical reports for new housing, including stick-built and manufactured housing throughout California.
- Performed numerous septic feasibility studies and septic system designs, including percolation tests and drawings throughout California.
- Performed forensic investigations for schools, commercial buildings and houses for water intrusion damage, presence of mold and construction defects.
- Designed and oversaw abatement of numerous asbestos abatement projects throughout California.
- Planned and permitted high tech chemical storage and fabrication facilities in West Germany, Korea and Taiwan.
- Developed large scale Phase 1 property transfer program for major renovation of prime San Francisco real estate.
- Performed numerous Phase 1 Preliminary Site Assessments, Remedial Investigations, Feasibility Studies and Corrective Measures Studies.
- Developed expertise in waste treatment and remedial waste treatment technologies for soil and water.

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