

Appendix FEIR-22

Expert Memos

To: Eyestone Environmental
From: Michael Williams and Sarah Siren, Paleontologists, Dudek
Date: September 8, 2023
Subject: Professional Experience and Statement of Responsibility for TVC EIR

Michael Williams, PhD, has been a professional paleontologist for 25 years. Sarah Siren, MSc, has been a professional paleontologist for 24 years. Both are project managers/paleontologists at Dudek. Dudek has over 700 employees nationwide and specializes in CEQA- and NEPA-related environmental compliance. Dr. Williams and Ms. Siren prepared the paleontological resources review memorandum (Appendix F of the Draft EIR) and responses to comments that discussed paleontological topics for the TVC 2050 Project.

Dudek's paleontology team members offer expertise in invertebrate and vertebrate paleontology and faunal evolution, fossil conservation and curation, and mitigation. Michael Williams has successfully managed numerous paleontological resources projects throughout southern California, including many in the City and County of Los Angeles. He has 25 years of field, laboratory, and project management experience. Dr. Williams has a research interest in fossil herpetofaunas (amphibians and reptiles), has authored/coauthored eight scientific publications, presented research at conferences, and worked at the Natural History Museum of Los Angeles County during the Age of Mammals Hall renovations. In addition, he volunteered at the La Brea Tar Pits and Museum, identifying fossil lizards from the Project 23 excavations. Sarah Siren has also provided paleontological monitoring and mitigation services over the past two decades on numerous projects within the City and County of Los Angeles and has previously worked at the Natural History Museum of Los Angeles County. She has successfully managed paleontological resource field programs, including monitoring and fossil salvage, and lab activities such as fossil preparation and curation. Our resumes are attached.

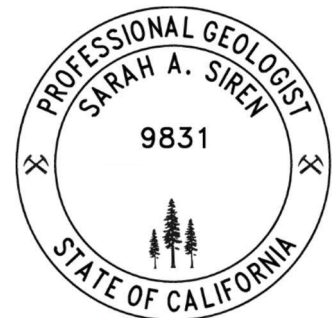
Dudek prepared and reviewed responses to the paleontological-related comments, including Comment Letter Nos. 13, 26, 35, 26, 109, 247, 275, 285, 323, 400, and 403. We affirm the factual and technical accuracy of the assumptions, methodologies, and conclusions in the EIR analyses and in the responses to comments that we prepared and reviewed.



Michael Williams, PhD
Paleontologist



Sarah Siren, MSc, GISP, PG
Paleontologist and
California Professional Geologist No. 9831
Signed and Sealed October 25, 2023



Attachments:

- Professional Resumes of Michael Williams and Sarah Siren

Michael Williams, PhD

SENIOR PALEONTOLOGIST

Michael Williams is a paleontologist and crossed-trained archaeological field technician with 25 years' experience with fieldwork, fossil invertebrate and vertebrate specimen processing, and writing of reports for the U.S. Army Corps of Engineers (ACOE) and private and public entities. Dr. Williams has project experience in all aspects of paleontological mitigation, including Phase I pre-construction surveys and report preparation and writing paleontological mitigation plans, initial studies (ISs)/mitigated negative declarations (MNDs), and environmental impact reports (EIRs). He also has experience attending pre-grade meetings; preparing and presenting on-site Worker Environmental Awareness Programs (WEAPs); monitoring for paleontological resources and supervising paleontological monitoring; coordinating spot checks and monitoring with construction superintendents and foremen; collecting and processing sediments for vertebrate microfossils, writing final monitoring reports; and accessioning fossils to the Natural History Museum of Los Angeles County, the San Bernardino County Museum, the Western Science Center in Hemet, the San Diego Natural History Museum, and the Cooper Center in Orange County.

Dr. Williams has California Department of Transportation (Caltrans), Bureau of Land Management (BLM), and private company paleontological mitigation experience in San Diego, Imperial, Orange, Los Angeles, Riverside, San Bernardino, Ventura, Kern, Inyo, Fresno, Stanislaus, San Francisco, Alameda, Sonoma, Yolo, and Placer Counties. In addition, he has worked as a cross-trained archaeological surveyor and monitor on several field projects.



Education

*Louisiana State University
PhD, Geology and
Geophysics, 2009
BS, Zoology, 2002*

Certifications

*Qualified Paleontologist;
Orange, Riverside, and
San Diego Counties
BLM California
Paleontological Resource
Use Permit*

Professional Affiliations

*Society of Vertebrate
Paleontology*

Project Experience

Los Angeles Metro Area General Plan, County of Los Angeles, Los Angeles, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search, worked with geographic information system (GIS) specialists to create a paleontological resources sensitivity map, and drafted the paleontological resources section of the Specific Plan EIR.

Chandler Grove Annexation Project EIR, Toor Capital, LLC, Ventura, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and authored the paleontological resources section of the EIR.

Ventura Compressor Modernization General Environmental Support, Southern California Gas Company, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources technical memorandum.

Manteca Gas Station Health Risk Assessment, Two Guys Food and Fuel-Manteca, Manteca, California. Served as paleontological principal investigator. Requested the University of California Museum of Paleontology paleontological records search and authored the paleontological resources section of the IS.

Development

KB Lodge Mixed Use Lodging, Kings Beach, California. Served as project manager and paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources technical memorandum.

Robles Cancer Treatment Center 400 East Rolling Oaks Drive, Thousand Oaks, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and coauthored the paleontological resources section of the EIR.

Crossroads at Golden Valley, Santa Clarita, California. Served as senior paleontologist and paleontological and archaeological surveyor. Requested the Natural History Museum of Los Angeles County paleontological records search, conducted the survey for archaeological and paleontological resources, and coauthored the archaeological and paleontological survey report.

Environmental Compliance Services for the McCrometer Parking Lot of the Stetson Corner Project, Hemet, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search, drafted the paleontological resources monitoring plan, created and presented the WEAP for cultural and paleontological resources, supervised the paleontological monitoring, and drafted the final monitoring memorandum.

Paleontological Pre-construction and Monitoring Services for the Los Lirios Mixed-Use Project, Los Angeles, California. Served as project manager and paleontological principal investigator. Drafted the pre-construction paleontological review and paleontological resources management plan, created and presented the WEAP for cultural and paleontological resources, supervised the cultural and paleontological monitors, and authored the final cultural and paleontological resources monitoring memorandum.

Murrieta Whitewood Apartments Project, Murrieta Whitewood Multifamily, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources technical memorandum.

Marconi Drive Paleontological Resources Project, Westport Properties, San Diego, California. Served as paleontological principal investigator and project manager. Requested the paleontological records search from the San Diego Natural History Museum and authored the paleontological resources technical memorandum.

Northlight Calimesa II Monitoring Project, Calimesa II Holdings, LLC, Calimesa, California. Served as paleontological principal investigator. Authored the paleontological resources sampling plan, coordinated monitoring, supervised paleontological monitors, and coauthored the final paleontological monitoring report.

Red Oak Harbor City Mixed-Use Project, Red Oak Investments LLC, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources technical memorandum.

Robertson Lane EIR Addendum, City of West Hollywood, California. Served as paleontological principal investigator authored the paleontological resources section of the EIR addendum.

Los Angeles County Housing Element Update Program EIR, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources section of the programmatic EIR.

Otay Ranch Village 8 East, HomeFed Otay Land II LLC, Chula Vista, California. Served as paleontological principal investigator. Coordinated monitoring, supervised paleontological monitors, and authored the monitoring reduction memorandum and final paleontological resources monitoring report.

Ponto Townhomes (FPC Residential) Tech Studies Project, H.G. Fenton Company, Carlsbad, California. Served as paleontological principal investigator. Coauthored the paleontological resources technical report.

Berggruen Institute, Monteverde LLP, Los Angeles, California. Served as senior paleontologist. Requested paleontological records search from the Natural History Museum of Los Angeles County, coordinated and oversaw the paleontological survey, and coauthored the combined archaeological and paleontological assessment memorandum.

Otay Enrico Paleontological Monitoring Project, Otay Enrico Industrial LLC, San Diego County, California. Served as paleontological principal investigator and project manager. Authored the paleontological resources mitigation plan, presented the WEAP, coordinated monitoring, supervised paleontological monitors, and authored the interim and final paleontological resources monitoring reports.

Hawthorne Apartments Project, Brandywine Homes, Riverside, California. Served as paleontological principal investigator and project manager. Authored the paleontological resources mitigation plan, presented the WEAP, coordinated monitoring, supervised paleontological monitors, and authored the final paleontological resources monitoring report.

Rancho Del Otay Project, Rancho Del Otay LLC, Chula Vista, California. Served as paleontological principal investigator. Requested the paleontological records search from the San Diego Natural History Museum and authored the paleontological resources section of the combined archaeological and paleontological resources technical report.

Otay Ranch PA-12 East Project, Baldwin and Sons, Chula Vista, California. Served as paleontological principal investigator. Coordinated paleontological monitoring and provided senior paleontological oversight to monitors.

130 Hollister Ranch Project, HR-2011 LLC, Unincorporated Santa Barbara County, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and authored the paleontological resources technical memorandum.

Shawnee/CG 7600 Master Plan Redevelopment Project, Palmer Mission Gorge Properties LP, San Diego, California. Served as paleontological principal investigator. Presented the WEAP, coordinated paleontological monitoring with the City of San Diego Mitigation Monitoring Coordinator for the project, and supervised paleontological monitors.

Nakano Project, Tri Pointe Homes, Chula Vista, California. Served as paleontological principal investigator. Requested the paleontological records search from the San Diego Natural History Museum, coordinated the paleontological survey, and authored the paleontological resources technical memorandum.

Village Three California Environmental Quality Act (CEQA) Addendum Project, HomeFed Village III, LLC, Chula Vista, California. Served as senior paleontologist. Authored the paleontological resources sections of the combined cultural and paleontological resources addendum memorandum.

Sunbow Chula Vista Project, Lennar Homes, California. Served as senior paleontologist. Requested the paleontological records search from the San Diego Natural History Museum and authored the paleontological resources sections of the combined cultural and paleontological resources report. As paleontological principal investigator, provided senior oversight of the paleontological monitoring program and laboratory processing and curation of fossils collected during the course of monitoring.

Pacific Commons Specific Plan Project, City of El Segundo, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources section of the EIR.

Hollywood and Cahuenga Project, Onni Contracting (California) Inc., Los Angeles, California. As senior paleontologist, provided senior quality assurance/quality control (QA/QC) for the paleontological resources technical memorandum.

Willow Avenue Warehouse Project, Cabot Properties, Inc., Rialto, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources technical report.

Vineyard II Curci Project, Scott-215, L.P./Lambda, LLC, Murrieta, California. As senior paleontologist, drafted the paleontological resources section of the EIR.

Vista Del Sol Care Center, Archaeological and Paleontological Resources Study Project, Independence HCM, Culver City, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources technical report.

Village 14 and Planning Area 16/19 Project, Jackson Pendo Development, Jamul, California. As senior paleontologist, provided senior QA/QC of paleontological technical report.

Villa Stora Monitoring Project, Beazer Homes Holding Corporation, Oceanside, California. As paleontologist and archaeologist, conducted archaeological and paleontological monitoring and coauthored the final monitoring report.

Victoria Links Golf Course EIR Project, Plenitude Holdings, LLC, Carson, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources portion of the EIR.

Trump National Golf Club Project, VH Property Corporation, Rancho Palos Verdes, California. As senior paleontologist, evaluated potential significant paleontological resources discovered during archaeological monitoring and provided senior paleontological support.

Tehachapi Walmart Project, Gresham Savage Nolan & Tilden, California. As senior paleontologist, drafted the letter of retention for the project.

Sterling Ranch Estates Project, Sterling Ranch Estates, Castaic, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources technical report.

Steadfast Carlsbad AI/Mc Project, Steadfast Development Holdings, Inc., Carlsbad, California. Served as senior paleontologist for the project. Supervised paleontological monitors, evaluated fossil discoveries, and conducted and supervised laboratory and curatorial work on fossils collected during project excavations,

St. John Garabed Church Project, St. John Garabed Armenian Apostolic Church Trust, San Diego, California. Served as paleontological manager for the project. Supervised paleontological monitors, conducted paleontological monitoring, evaluated fossil discoveries, and conducted and supervised laboratory and curatorial work on fossils collected during project excavations.

Sienna (Vista 27 and Formerly 729 Emerald Vista) Project, Vista, California. Served as senior paleontologist. Provided senior paleontological support, conducted paleontological spot-checking, and coauthored the final monitoring report.

Roblar Road Quarry Project, John Barella, Cotati, California. Served as senior paleontologist. Provided senior paleontological support for the paleontological survey team.

Rialto Baseline/Alder Warehouse Project, Pacific Industrial, Inc., California. Served as senior paleontologist. Field trained an archaeological/paleontological monitor.

Poinsettia Due Diligence Project, Lennar Homes, Carlsbad, California. Served as paleontological manager on the project. Supervised paleontological monitors, conducted paleontological monitoring, evaluated fossil discoveries, and conducted and supervised laboratory and curatorial work on fossils collected during project excavations.

Hotel Del Coronado North Parking Garage Project, HDC South Beach Development, LLC, Coronado, California. Served as paleontological manager on the project. Supervised paleontological monitors, conducted paleontological monitoring, evaluated fossil discoveries, and conducted and supervised laboratory and curatorial work on fossils collected during project excavations.

Hotel Del Coronado South Beach Development Project, HDC South Beach Development, LLC, Coronado, California. As co-manager of the project, presented the archaeological and paleontological WEAP, and provided senior support to field monitors.

Northside Specific Plan EIR Project, Rick Engineering Company, Riverside, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the EIR.

Oakmont Assisted Living-Memory Care Facility and Zoning Code Update MND Project, City of Covina, Covina, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and coauthored the paleontological resources section of the MND.

Morrison Project, Sheppard Mullin Richter & Hampton LLP, Los Angeles, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources technical report.

Monteverde LLC Project, Gibson, Dunn, and Crutcher LLP, Los Angeles, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources technical report.

Modelo Project EIR, Comstock Realty Partners, LLC, Commerce, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the EIR.

Meridian South Campus Specific Plan EIR Project, Lewis Retail Centers, Riverside, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the EIR.

Mariner's Cove Redevelopment Project, Aimco, San Diego, California. As senior paleontologist, reviewed geological mapping and the geotechnical report and provided a geological write-up for the constraints analysis.

Lone Oak Monitoring Project, CWC Lone Oak 24, LLC, San Diego, California. As senior paleontologist, presented the paleontological WEAP to the construction crew, provided senior paleontological support of paleontological monitors, conducted paleontological monitoring spot-checks, and authored the final monitoring report.

Juanita Avenue Project, Flexible PSH Solutions, Inc., Los Angeles, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources technical report.

K4 CEQA Services Project, Lewis Retail Services, Riverside, California. As senior paleontologist, drafted the paleontological resources section of the EIR.

Jones Ranch Project, Realm, Oceanside, California. As senior paleontologist, drafted the paleontological resources section of the MND.

Hillside Meadows Project, Lakeside Investment, Santee, California. As senior paleontologist, requested the paleontological records search from the San Diego Natural History Museum and drafted the paleontological resources section of the MND.

Five Lagunas Addendum Project, Merione Geirer Partners, Laguna Hills, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the EIR.

Fire Station 50 Project, Habitat Restoration Services, Inc., San Diego, California. Served as paleontological project manager on the project. Supervised paleontological monitors, evaluated fossil discoveries, and conducted/supervised laboratory and curatorial work on fossils collected during construction.

El Monte Sand Mine Project, Horizon Hill El Monte Investors GP LLC, Lakeside, California. As senior paleontologist, coauthored the paleontological resources section.

Costco La Mesa Project, Costco Wholesale, La Mesa, California. Served as senior paleontologist. Requested the paleontological records search from the San Diego Natural History Museum and drafted the paleontological resources section of the MND.

Costco Murrieta Project, Costco Wholesale, Murrieta, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the EIR.

ARB Southern California Consolidation Project, California Department of General Services, Riverside, California. As senior paleontologist, coauthored the paleontological resources impact mitigation program, provided senior paleontological support for the project and field monitors, and conducted paleontological monitoring.

Auburn Interfaith Food Closet Project, Auburn Interfaith Food Closet, Auburn, California. Served as senior paleontologist. Requested the paleontological records search from the University of California, Berkeley Museum of Paleontology, and co-wrote the cultural and paleontological resources inventory report.

Arcadia Hotel and Annex MND Project, City of Arcadia, California. Provided senior QA/QC for the paleontological resources section of the MND.

1000 Oriole Project, Tag Front, Laguna Beach, California. As paleontological principal investigator, requested the paleontological records search from the Natural History Museum of Los Angeles County, conducted the archaeological and paleontological survey, and coauthored the cultural and paleontological resources inventory report.

1225 Cliff Drive – Archaeological and Paleontological Resources Study, Morris Skenderian and Associates, A.I.A., Laguna Beach, California. As paleontological principal investigator, requested the paleontological records search from the Natural History Museum of Los Angeles County and coauthored the cultural and paleontological resources inventory report.

20th Street Wellness Center EIR Project, City of Santa Monica, Santa Monica, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the EIR.

2149 Edison Street Project, Central Coast Land Group, LLC, Santa Ynez, California. As senior paleontologist, provided senior QA/QC for the Phase I archaeological and paleontological survey report.

2761 Cebada Canyon Project, Avo Vista Farms, LLC, Lompoc, California. As senior paleontologist, coauthored the Phase I archaeological and paleontological survey report.

650 Bennett Avenue Project, Moorehoward Investments, LLC., San Diego, California. As senior paleontologist, provided senior paleontological support to paleontological monitors. Coauthored the final combined archaeological and paleontological monitoring report.

702 Matsumoto Lane Project, Partner Engineering and Science, Inc., Winters, California. As senior paleontologist, requested the paleontological records search from the University of California, Berkeley Museum of Paleontology, and coauthored the cultural and paleontological resources inventory report.

740 – 790 East Green Street Mixed-Use Project Sustainable Community Environmental Assessment, City of Pasadena, Pasadena, California. As senior paleontologist, provided senior QA/QC for the paleontological resources section of the EIR.

8850 Sunset Boulevard EIR Project, City of West Hollywood, West Hollywood, California. As senior paleontologist, requested paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the EIR.

Alta Mixed Use Development, PRII/Wood Oceanside, LLC, Oceanside, California. As paleontologist, drafted the paleontological resources section of the Geology and Soils chapter for the EIR.

Double D Mine Project, Mitchell Chadwick, Blythe, California. As paleontologist, co-wrote the paleontological resources survey report and paleontological resources impact mitigation program.

Pacific Palisades Village 1 CAH Acquisitions Co. LLC, Los Angeles, California. As senior paleontologist, presented the paleontological WEAP, provided senior paleontological support of paleontological monitors, and assisted in writing the final monitoring report.

Vista Del Mar Project, VD Pacific Terrace LLC, Oceanside, California. Co-wrote the paleontological resources impact mitigation program and spot-checked project site for paleontological resources.

Interim Ranch-Wide Management Plan, Tejon Ranch Corporation, Kern County, California. Presented the WEAP and provided senior paleontological support to field monitors.

Entitlement Contract, LLJ Orion PacificVista LLC, Vista, California. As paleontologist, drafted paleontological resources EIR section.

Kettner Lofts, CVCN Kettner 106 LLC, San Diego, California. As paleontologist, provided paleontological monitoring.

Solana Highlands Multifamily Development, City of Solana Beach, California. As paleontologist, provided information for Draft EIR.

Education

Cypress College Affordable Student Housing Project, North Orange County Community College District, Cypress, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of MND.

San Diego State University Brawley Campus Lithium/STEM Building, Gatzke Dillon and Balance, Brawley, California. Served as paleontological principal investigator. Requested the paleontological records search from the San Diego Natural History Museum and authored the paleontological resources technical memorandum.

El Camino Community College Fire Academy Project, Torrance, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the MND.

MCCCD New Student Services Building Project, MiraCosta Community College District, Oceanside, California. Served as paleontological principal investigator. Attended the pre-construction meeting, presented the WEAP to the construction crew, and managed paleontological monitors.

Richland Elementary School Project, San Marcos Unified School District, California. Served as senior paleontologist. Requested the paleontological records search from the San Diego Natural History Museum and drafted the paleontological resources section of the MND.

As-Needed Environmental Consulting, University of California, San Diego, California. Served as paleontological principal investigator. Attended the pre-construction meeting, managed paleontological monitors, provided paleontological monitoring spot-checks, and authored the paleontological resources final monitoring memorandum.

Fullerton College Bldg. 300 to 500 Sewer Replacement Project, North Orange County Community College District, Fullerton, California. As project manager and senior paleontologist, presented the WEAP to construction personnel prior to ground-disturbing activities.

Willows School Project, Willows Community School, Culver City, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources technical report.

SF State Master Plan EIR Project, San Francisco State University, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and authored the paleontological resources section of the EIR.

Norco College Veteran Resource Center MND Project, Riverside Community College District, Riverside, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and coauthored the paleontological resources section of the MND. In addition, managed the construction monitoring phase of the project, drafted the paleontological resources impact mitigation program, presented the WEAP to the construction crew, managed paleontological monitors, and authored the paleontological resources final monitoring report.

New Student Union Building, California State University, Fresno, Fresno, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the MND.

Moreno Valley College Welcome Center, Riverside Community College District, Moreno Valley, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and wrote the paleontological resources section of the MND. In addition, managed the construction monitoring phase of the project, drafted the paleontological resources impact mitigation program, presented the WEAP to the construction crew, managed paleontological monitors, and authored the paleontological resources final monitoring report.

MCCCD MMRP Implementation – Track and Field Project, MiraCosta Community College District, Oceanside California. Served as senior paleontologist. Drafted the paleontological resources impact mitigation program, attended the pre-construction meeting and presented the WEAP to the construction crew, managed paleontological monitors, provided paleontological monitoring spot-checks, and collected fossil invertebrates from the project site.

MCCCD MMRP Implementation – North Storm Drain Project, MiraCosta Community College District, Oceanside California. Served as senior paleontologist. Drafted the paleontological resources impact mitigation program, attended the pre-construction meeting and presented the WEAP to the construction crew, managed paleontological monitors, and drafted the negative findings paleontological resources final monitoring memorandum.

Housing Expansion – Phase I Project, California State University, Long Beach, Long Beach, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the archaeological and paleontological resources memorandum.

Kennedy High School Campus Improvements MND Project, Los Angeles Unified School District, Granada Hills, California. As senior paleontologist, provided QA/QC for the geology and soils chapter of the MND.

Hillsdale Middle School Field Lighting Project, Cajon Valley Union School District, El Cajon, California. Served as senior paleontologist. Requested the paleontological records search from the San Diego Natural History Museum and drafted the paleontological resources section of the MND.

Fullerton College Instruction Building and Central Plant Paleontological Monitoring Project, North Orange County Community College District, Fullerton, California. As project manager and senior paleontologist, presented the WEAP, conducted paleontological monitoring, supervised paleontological monitors, and authored the final paleontological monitoring report.

CSUMB Master Plan EIR Project, California State University, Monterey Bay, Seaside, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section for the EIR.

San Diego State University New Student Housing Expansion, Gatzke, Dillon and Balance, California. Served as paleontologist. Wrote the paleontological resources section of the technical report.

Fullerton College Master Plan Program EIR, North Orange County Community College District, Fullerton, California. Served as paleontological principal investigator. Conducted paleontological resources survey and authored the paleontological resources survey report.

Chapman University Packinghouse EIR, Orange County, California. Served as paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted paleontological resources section for the EIR.

Energy

Imperial County Salton Sea Renewable Resources Specific Plan, County of Imperial, Calipatria, California. Served as paleontological principal investigator. Requested the San Diego Natural History Museum paleontological records search and drafted the paleontological resources section of the Specific Plan EIR.

Various Netly's Underground Fiber Conduit Installation Project, Cities of Oceanside and Vista, California. Served as paleontological principal investigator. For each city, requested the San Diego Natural History Museum paleontological records searches, worked with GIS personnel to create paleontological sensitivity maps, and wrote the paleontological resources technical memoranda.

California Department of Water Resources, State of California. As senior paleontologist, provided editorial comments on the paleontological resources inventory reports for several proposed energy sites located within the DWR service area in California.

Scarlet Solar Project, Rosendin Electric Inc., Fresno, California. Served as paleontological principal investigator. Coauthored the paleontological resources mitigation plan, provided senior oversight of the paleontological monitoring program, and drafted the monitoring reduction memorandum.

3525 Sandpiper Battery Energy Storage Facility Project, Tenaska Inc., San Clemente, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search, coordinated and provided senior paleontological oversight of the paleontological survey, and authored the paleontological resources technical report.

Drew Solar Project, Drew Solar LLC, Unincorporated Imperial County, California. Served as paleontological principal investigator. Provided senior oversight of the paleontological monitoring program, including laboratory processing of sediments and fossils and curation of fossils collected during the course of monitoring. The fossils were accessioned into the San Diego Natural History Museum. Coauthored the final paleontological resources monitoring report.

Sandrini Solar Project, Kern County, California. Served as senior paleontologist and third-party reviewer. Reviewed the paleontological resources technical report and drafted a paleontological resources review memorandum.

MVPP Wind Energy Repower Project, AES North American Development LLP, Riverside County, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological technical report. In addition, for the construction monitoring phase of the project, drafted the paleontological resources impact mitigation and monitoring program, supervised paleontological monitoring, and wrote the final monitoring report.

Brave Solar Project, Samsung Solar Energy 2, LLC, Alameda, California. As senior paleontologist, conducted desktop geological and paleontological research and provided a paleontological critical issues analysis for the project.

Windhub Solar Project, First Solar, Inc., Mojave, California. As paleontological principal investigator, coordinated and supervised paleontological monitoring.

Willow Springs Solar Project, First Solar, Inc., California. As paleontological principal investigator, conducted paleontological monitoring and supervised paleontological monitors, and drafted a paleontological monitoring reduction letter and final monitoring report.

Valley Generation Station Demolition Project, Los Angeles Department of Water and Power (LADWP), Sun Valley, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County, and co-wrote the combined archaeological and paleontological technical report.

Tres Amigos-Environmental Tech Studies, Terra-Gen Development Company, LLC, Los Banos, California. Served as paleontologist. Requested the University of California Berkeley, Museum of Paleontology records search and co-wrote the report.

Torrey Wind, Terra-Gen Development Company, LLC, San Diego County, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the EIR.

Strauss Wind Energy Project, Strauss Wind, LLC., Santa Barbara County, California. As paleontological principal investigator, coordinated and led the paleontological survey of the project site, requested the paleontological records search from the Natural History Museum of Los Angeles County, and co-wrote the paleontological resources mitigation and monitoring plan. During project construction, provided senior oversight of paleontological monitors, evaluated fossil discoveries for significance, and oversaw laboratory processing of fossils and fossiliferous sediments collected during construction monitoring.

Sanborn Solar Energy Project, Sanborn Solar, LLC, Mojave, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County, surveyed the project area for paleontological resources, and drafted the paleontological resources technical report.

Russell No. SSE2-C12-190312-CIA-Russell Project, Samsung Solar Energy 2, LLC, Fresno County, California. As senior paleontologist, conducted desktop geological and paleontological research and provided paleontological critical issues analyses for a potential project site.

Rosamond (PV-11) Project, First Solar, Inc., California. As paleontological principal investigator, conducted paleontological monitoring, supervised paleontological monitors, and drafted a paleontological monitoring reduction letter and final monitoring report.

Pomerado Energy Storage Project, Sovereign Energy Storage, Poway, California. As senior paleontologist, requested the paleontological records search from the San Diego Natural History Museum and wrote the paleontological resources section of the EIR.

Polvadero Solar Project, Samsung Solar Energy 2, LLC, Alameda, California. As senior paleontologist, conducted desktop geological and paleontological research and provided a paleontological critical issues analysis for the project.

Painted Hills Wind Permits and Environmental Studies Project, Terra-Gen Development Company, LLC, Riverside County, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted a paleontological resources inventory report.

Oatfield Solar, Carbonera Solar No. SSE2-C12-190329-CIA Project, Samsung Solar Energy 2, LLC, Fresno County, California. As senior paleontologist, conducted desktop geological and paleontological research and provided paleontological critical issues analyses for two potential project sites.

North Gila - Imperial Valley # 2 Transmission Line Project, County of Imperial, Imperial County, California. As paleontological principal investigator, coordinated and led the paleontological survey.

Little Bear Environmental Compliance Services (TO#001), Longroad Energy Management, LLC, Fresno County, California. As senior paleontologist, managed paleontological field monitors and conducted paleontological monitoring.

Liberty No. SSE2-C12-190314-CIA-Liberty Ranch Project, Samsung Solar Energy 2, LLC, Fresno County, California. As senior paleontologist, conducted desktop geological and paleontological research and provided a paleontological critical issues analysis for the project.

Hyder Hay No. SSE2-C12-190312-CIA-HyderHay Project, Samsung Solar Energy 2, LLC, Fresno County, California. As senior paleontologist, conducted desktop geological and paleontological research and provided a paleontological critical issues analysis for the project.

Hyder Ducor No. SSE2-C12-190312-CIA-HyderDucor Project, Samsung Solar Energy 2, LLC, Fresno County, California. As senior paleontologist, conducted desktop geological and paleontological research and provided a paleontological critical issues analysis for the project.

Horizon West – Round Mountain Environmental Survey Project, NEET West, LLC, Tehama County, California. As senior paleontologist, conducted desktop geological and paleontological research and wrote paleontological critical issues analyses for three potential project sites.

Edwards Solar Project, Terra-Gen Development Company, LLC. Served as senior paleontologist. Co-wrote the paleontological resources impact mitigation program.

Critical Issues Analysis – Valley Center Energy Storage, Terra-Gen Development Company, LLC, Valley Center, California. Served as senior paleontologist. Conducted desktop geological and paleontological research and wrote the paleontological critical issues analysis.

Coachella Flats I and II Wind Project, Terra-Gen Development Company, LLC, Palm Springs, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted a paleontological resources inventory report for BLM approval.

Blythe Solar Power Project, NextEra Energy, Inc., Blythe, California. Served as senior paleontologist. Provided senior paleontological support for the project and conducted paleontological monitoring.

Arlington Solar Project, NextEra Energy, Inc., Blythe, California. Served as senior paleontologist. Provided senior paleontological support to field monitors.

American Kings Solar Project, First Solar Development, LLC, Lemoore, California. Served as senior paleontologist. Coauthored the paleontological resources impact mitigation program.

Almendra Solar Project, Samsung Solar Energy, LLC, Almendra, California. Served as senior paleontologist. Conducted desktop geological and paleontological research and wrote the paleontological constraints analysis.

California Flats Solar Project, McCarthy Building Companies Inc., San Luis Obispo County, California. Served as paleontologist. Conducted archaeological and paleontological monitoring, assisted in fossil evaluation, and wrote the final paleontological monitoring report.

California Flats High Voltage, First Solar Electric Inc., San Luis Obispo County, California. Served as paleontologist. Conducted archaeological and paleontological monitoring, assisted in fossil evaluation, and wrote the final paleontological monitoring report.

ISEC West Paleontological Services, Tenaska Inc., Imperial County, California. Served as paleontologist. Curated fossil invertebrate fauna, accessioned fossil invertebrates to the Natural History Museum of Los Angeles County, and coauthored the final paleontological resources final report.

Healthcare

Kaiser Murrieta Ambulatory Surgical Center Project, California. Served as paleontological principal investigator. Wrote the paleontological resources impact mitigation plan and the monitoring termination memorandum.

San Marcos Medical Center Project, Kaiser Foundation Hospital, California. Served as senior paleontologist. Requested the San Diego Natural History Museum paleontological records search and wrote the paleontological resources section of the archaeological and paleontological resources technical report.

Encompass Health Outpatient Rehabilitation Facility Project, Encompass Health, Chula Vista, California. Served as paleontological principal investigator, requested the paleontological records search from the San Diego Natural History Museum, coordinated the paleontological survey, and wrote the paleontological resources inventory report.

Cuyama Valley Medical Cannabis Farm Phase I Project, Andrew James Jeknavorian, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County, and coauthored the Phase I archaeological and paleontological survey report.

Kaiser Permanente Moreno Valley Medical Center Master Plan EIR Project, Kaiser Foundation Hospital, Moreno Valley, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological technical report and paleontological resources section for the EIR.

LA Medical Center Master Plan EIR, Kaiser Foundation Health Plan Inc., Los Angeles, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the EIR and drafted the impacts analysis section.

Covina Kaiser Medical Office Building MND Project, City of Covina, Covina, California. Served as senior paleontologist. Requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section for the MND.

Kaiser Permanente, Murrieta Valley Medical Center Project, Kaiser Permanente, Murrieta, California. Served as paleontologist. Coauthored the final monitoring report.

Specialty Medical Office Building, Kaiser Foundation Health Plan Inc., Irwindale, California. Served as paleontological field lead. Coauthored the paleontological resources impact mitigation program, performed spot-check monitoring, supervised paleontological monitors, and coauthored the final paleontological monitoring report.

Biology and Cultural Resource Review for Mapleton Park Centre Site Land Purchase, Kaiser Foundation Health Plan Inc., Murrieta, California. As senior paleontologist, wrote the final paleontological monitoring report.

Municipal

The Lakes Apartments CEQA Services, City of Thousand Oaks, Thousand Oaks, California. Served as senior paleontologist and drafted the paleontological resources section of the MND.

1100 Rancho Conejo Bio-Tech Campus - CEQA Consulting Contract, City of Thousand Oaks, Thousand Oaks, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the MND.

5006 and 5010 Mission Boulevard Warehouse Project, City of Montclair, California. As senior paleontologist, requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the MND.

Alexan Arcadia Project, City of Arcadia, California. As senior paleontologist, requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the MND.

Skate Park Project, Orange County Fire Authority, Irvine, California. As senior paleontologist, requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the MND.

As-Needed Environmental Planning Services, City of Carlsbad, California. As paleontological principal investigator, performed archaeological and paleontological aspects of the monitoring program, including supervising archaeological and paleontological monitors, evaluating observed fossil resources for significance, and coauthoring the final monitoring report.

Imperial at Avalon Specific Plan Project, City of Carson, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the EIR.

Creative Offices Specific Plan EIR Project, City of Beverly Hills, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the EIR.

SB Police Station Technical Studies (Cota Commuter Lot), City of Santa Barbara, California. As senior paleontologist, requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources technical memorandum.

West LA District Yard Project, LADWP, Los Angeles, California. As paleontologist, wrote the paleontological resources portions of the technical report.

The Villages at Alhambra EIR Review, City of Alhambra, California. As senior paleontologist, provided a third-party review of the paleontological technical report.

Stonetree Golf Club Project, City of Novato, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the MND.

SilverRock Park Venue Project, City of La Quinta, California. Served as project manager and senior paleontologist. Managed the project, presented the paleontological WEAP, provided senior support to field monitors and conducted paleontological monitoring, and analyzed and collected fossil resources from the project.

Sand Canyon Resort EIR Project, City of Santa Clarita, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and provided senior technical editing of the paleontological resources section of the EIR.

River Walk Mixed Use Project Initial Study Project, City of Santa Clarita, California. As senior paleontologist, wrote the paleontological resources section of the IS.

Protea Memory Care Facility Project, City of San Juan Capistrano, San Juan Capistrano, California. Served as senior paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and wrote the paleontological resources section of the archaeological and paleontological resources technical report.

Palm Villas EIR Project, City of Saratoga, Saratoga, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the EIR.

Newell Creek Dam Inlet/Outlet Pipeline Project, City of Santa Cruz, Santa Cruz, California. As senior paleontologist, researched project geology, requested the Natural History Museum of Los Angeles County paleontological records search, and drafted the paleontological resources section of the EIR.

Monterey Bay Square MND Peer Review, City of Alhambra, Alhambra, California. As senior paleontologist, provided a peer review of the MND.

Modern Pacific Residential Project, City of Colton, Colton, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the MND.

Keck Science Center Expansion Project MND Project, City of Claremont, Claremont, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the MND.

Jefferson at Avalon Specific Plan Project, City of Carson, Carson, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the EIR.

Alipaz Street Monitoring Project, The Fishel Company, San Juan Capistrano, California. Provided senior archaeological/paleontological support to archaeological/paleontological monitors.

Aliso Viejo Ranch 100 Park Avenue Project, City of Aliso Viejo, Aliso Viejo, California. Provided senior archaeological support to archaeological monitors.

Machado Lake Pipeline Project, City of Los Angeles, California. Served as paleontological field lead. Monitored and supervised monitoring for archaeological and paleontological resources. Coauthored the final monitoring report.

Van Norman Reservoir Well Drilling Project, City of Los Angeles, California. Served as paleontological field lead. Monitored and supervised monitoring for archaeological and paleontological resources. Co-authored the final monitoring report.

City Truck Line South-Unit 4, City of Los Angeles, California. Served as paleontological field lead. Monitored and supervised monitoring for paleontological resources.

Dairy Fork Wetlands, City of Aliso Viejo, California. Served as archaeological field technician. Conducted archaeological resources monitoring.

As-Needed Environmental Services, City of San Diego, California. Served as paleontologist. Conducted paleontological monitoring and wrote the final paleontological monitoring report.

San Diego Association of Governments Continuing Services Agreement, AECOM Technical Services, California. Served as paleontologist. Assisted with review of monitoring field logs.

As-Needed Environmental Services, California Department of General Services, Southern California. Served as paleontologist. Coauthored the paleontological resources final monitoring report.

Public Utilities Department As-Needed Environmental Services, City of San Diego, California. Served as paleontologist. Edited the paleontological resources table for the EIR/Environmental Impact Statement (EIS).

San Diego Association of Governments General On-Call Environmental Compliance, California. As paleontologist, coauthored the final paleontological resources monitoring report.

Resource Management

As-Needed Projects, Habitat Restoration Sciences Inc., San Diego County, California. Provided archaeological monitoring.

San Jacinto Wildlife Area EIR, California Wildlife Foundation, Riverside County, California. As paleontologist, reviewed the paleontological resources section of the EIR.

Transportation

Brightline West_XpressWest - Victorville to Rancho Cucamonga, Rancho Cucamonga, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search, directed the paleontological resources survey, worked with GIS to produce paleontological sensitivity maps, and co-wrote the paleontological resources survey report.

Escondido Drive Mile Marker 0.49 IS/MND Project, County of Los Angeles, Val Verde, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the MND.

The Boring Company Project, SpaceX, Hawthorne, California. As paleontologist, drafted the paleontological technical memorandum for the project.

Reedley DMV Field Office Replacement Project, California Department of General Services, Reedley, California. As senior paleontologist, provided QA/QC for the paleontological resources section.

Old Road Bridge Over Castaic Creek MND Project, County of Los Angeles, Val Verde, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the MND.

High Speed Rail Compliance Monitoring, Dragados-Flatiron Joint Venture, Sacramento, California. Provided senior paleontological support to paleontological monitors and evaluated fossil resources.

Del Obispo Street Widening Project, City of San Juan Capistrano, San Juan Capistrano, California. Co-managed the project including coordination with the City of San Juan Capistrano and Native American monitoring company and supervision of archaeological and paleontological monitors. Drafted the final monitoring report.

Construction Management Services for the Mid-Coast Corridor Projects, PGH Wong Engineering Inc., San Diego, California. Conducted archaeological and paleontological resources monitoring.

Gilman Drive Bridge Environmental Compliance, PGH Wong Engineering Inc., San Diego, California. Provided paleontological resources monitoring, assisted with managing paleontological resources monitors, and evaluated fossil discoveries.

Confidential Transportation Project, San Pedro, California. Reviewed project geology, wrote a paleontological records search summary, and assisted in drafting mitigation measures.

Water/Wastewater

Castaic Lake Drawdown Studies, California Department of Water Resources, Castaic, California. Served as paleontological principal investigator and managed the paleontological resources inventory, which included a paleontological records search through the Natural History Museum of Los Angeles County, desktop geological and paleontological research, coordination of the paleontological resources survey, and coauthoring the paleontological resources inventory letter report.

SJFD Culvert Replacement Project, California Department of Water Resources, Kern County, California. As senior paleontologist, provided editorial comments for a desktop paleontological resources review, which included a paleontological resources records search through the Natural History Museum of Los Angeles County, desktop geological and paleontological research, and a paleontological resources desktop review memorandum.

Milepost 230 Liner Raise Project, California Department of Water Resources, Kern County, California. As senior paleontologist, provided editorial comments for a desktop paleontological resources review, which included a paleontological resources records search through the Natural History Museum of Los Angeles County, desktop geological and paleontological research, and a paleontological resources desktop review memorandum.

Joint Transmission Main Pump Station CEQA Services, El Toro Water District, Castaic, California. Served as senior paleontologist and requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the MND. For the paleontological monitoring phase, created the WEAP, drafted the PRIMP, managed the monitoring program, and authored the final monitoring report.

Bedford Canyon Channel Preliminary Environmental Assessment, Riverside County Flood Control & Water Conservation District, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources technical memorandum.

Lake Drive Storm Drain Improvements, City of Encinitas, California. Served as paleontological principal investigator. Requested the paleontological records search from the San Diego Natural History Museum, conducted the paleontological survey of the project site, and wrote the paleontological resources technical memorandum.

Biosolids Energy Phase I, Goleta Sanitary District, California. Served as paleontological principal investigator. Requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the MND.

Century Trunk Line Project, LADWP, Los Angeles, California. Served as senior paleontologist. Co-drafted the WEAP and presented it to construction personnel and field trained archaeological/paleontological monitors,

Oso Sewage Lift Station Replacement MND Project, El Toro Water District, Laguna Beach, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the MND. In addition, co-managed the paleontological resources monitoring phase of the project, provided senior paleontological oversight to the monitors, and authored the final paleontological resources monitoring report.

Laguna Creek Diversion Retrofit Project, City of Santa Cruz, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the EIR.

Santa Cruz Water Rights EIR Project, City of Santa Cruz, California. Served as paleontological principal investigator. Requested the Natural History Museum of Los Angeles County paleontological records search and drafted the paleontological resources section of the EIR.

Water Infrastructure Finance and Innovation Act Loan Environmental Review Project, Coachella Valley Water District, Palm Desert, California. Served as senior paleontologist. Drafted the paleontological resources sections of the combined cultural and paleontological resources Section 106 memorandum.

Van Norman Complex Routine Ops and Maintenance Project, LADWP, Los Angeles, California. As senior paleontologist and archaeologist, requested the Natural History Museum of Los Angeles County paleontological records search, coordinated and conducted the archaeological and paleontological survey, and coauthored the combined archaeological and paleontological survey report.

Trampas Dam and Reservoir Archaeo and Paleo Services, Santa Margarita Water District, San Juan Capistrano, California. As archaeological and paleontological project manager and senior paleontologist, prepared and administered the WEAP for paleontology and archaeology and coordinated and conducted archaeological and paleontological resources monitoring.

TO-02: MT FRS II Construction Monitoring, San Diego County Water Authority, San Diego, California. Served as senior paleontologist, drafted the paleontological resources mitigation and monitoring plan, and coordinated the paleontological survey.

Temescal Valley Water Reclamation Facility Expansion, Temescal Valley Water District, California. Served as paleontologist. Requested the Natural History Museum of Los Angeles County paleontological records search and authored the paleontological resources section of the archaeological and paleontological resources technical report.

TAF No. 3: Paleontological and Biological Monitoring for the Stormwater Collection System Project, Sanitation Districts of Los Angeles County, Puente Hills, California. As senior paleontologist, prepared and administered the Worker Environmental Awareness Program for paleontology, drafted the paleontological resources impact mitigation plan, coordinated and conducted paleontological monitoring, supervised paleontological monitoring, and authored the final paleontological monitoring report.

TAF No.5 Gardena Pumping Plant Upgrades Project, Sanitation Districts of Los Angeles County, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the MND.

TAF No.8 San Jose Creek Interceptor Sewer Rehabilitation Phase 2 Project, Sanitation Districts of Los Angeles County, San Gabriel, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the MND.

South Orange County Wastewater Authority Trail Bridge Effluent Transmission Main Crossing Protection Project, Tetra Tech, Aliso Viejo, California. Served as senior paleontologist. Provided QA/QC for the paleontological resources section of the report.

River Supply Conduit Unit 7 Archaeo Monitoring Support Project, LADWP, California. Served as senior paleontologist. Attended the pre-construction meeting and presented the WEAP to the construction crew, field trained archaeological/paleontological monitors, and coordinated monitoring. Analyzed, prepared, and curated fossils collected during monitoring,

Reservoir 10 and 6 Water Line Project, City of San Clemente, California. Served as senior paleontologist/archaeologist and project manager. Attended the pre-construction meeting and presented the WEAP to the construction crew, managed archaeological and paleontological monitors, and provided paleontological monitoring spot-checks. Wrote and submitted the final monitoring report to the City of San Clemente.

Plan Check Services-222097 Project, Riverside County Flood Control and Water Conservation District, Riverside, California. As senior paleontologist, reviewed the paleontological assessment report and provided suggestions.

Olympic Well Field Restoration and Arcadia Water Treatment Plan Expansion Project, City of Santa Monica, Los Angeles, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the EIR.

MWD Emergency Permitting Services, Montecito Water District, Montecito, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County, wrote the paleontological resources impact mitigation plan, provided senior paleontological support for field monitoring staff, evaluated fossil resources discovered on the project, and spot-checked excavations.

MWD Upper Newport Backbay Project, Metropolitan Water District of Southern California, Newport Beach, California. As senior paleontologist, reviewed the archaeological and paleontological treatment plan.

Mockingbird Canyon Wash Restoration Project, Riverside County Flood Control and Water Conservation District, Woodcrest, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County, coordinated the paleontological survey, and drafted the paleontological technical report.

Monterey Bay Regional Water Project EIR/EIS, California State Lands Commission, Monterey County, California. As senior paleontologist, provide QA/QC for the paleontological resources section of the EIR.

Las Flores Enhanced Water Reliability Project, Santa Margarita Water District, Las Flores, California. As senior paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and authored the paleontological resources section of the EIR. As archaeologist, conducted the archaeological survey and Native American correspondence and drafted the Section 106 archaeological resources survey report.

Ls 1269 Sewer Forcemain Replacement Project, Western Municipal Water District, Riverside, California. As senior paleontologist, provided QA/QC for the paleontological resources section of the EIR.

North Indio Flood Control Channel – Water Infrastructure Finance and Innovation Act Loan Application Project, Coachella Valley Water District, Indio, California. As paleontologist, coauthored the cultural resources update memorandum.

Coronado Trunk Line, LADWP, Los Angeles, California. As paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and drafted the paleontological resources section of the MND.

Chatsworth Reservoir Mitigation Feasibility Study, LADWP, Chatsworth, California. As paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the feasibility study.

Castaic Lake Stabilization and Management Project, Tejon Ranch Company, Castaic, California. As paleontologist, provided senior paleontological support of paleontological monitors and conducted paleontological monitoring,

Arroyo Seco Canyon EIR Project, City of Pasadena, Pasadena, California. As paleontologist, requested the paleontological records search from the Natural History Museum of Los Angeles County and wrote the paleontological resources section of the EIR.

Interlake Tunnel and Spillway Modification Project, Horizon Water and Environment LLC, San Luis Obispo County, California. As paleontological principal investigator, conducted the paleontological resources survey, assisted in the archaeological resources survey, and drafted the paleontological resources section of the EIR.

Sewer Master Plan, Rincon del Diablo Municipal Water District, Escondido, California. As paleontologist, drafted paleontological resources section of EIR.

Palm Springs Wastewater Treatment Plant Expansion, W.M. Lyles Co. Southern District, California. Conducted paleontological resources monitoring, wrote the final monitoring report, and accessioned a fossil into the Western Science Center.

Zone E Recycled Water System Expansion Archaeological and Native American Monitoring, Santa Margarita Water District, Orange County, California. Served as senior paleontologist. Co-managed the project and provided archaeological monitoring.

Capital Project Funding and Environmental Clearance Assistance, San Elijo Joint Powers Authority, San Diego County, California. Co-wrote the geological context section.

Relevant Previous Experience

Development

Palatino Little Italy Apartments Project, Kirkham Road and McMillin, San Diego, California. Served as principal paleontologist and provided oversight for paleontological monitoring.

South Pointe West Project, JCCL-South Pointe West LLC, Diamond Bar, California. Served as principal paleontologist and paleontological monitor. Managed monitoring of excavations for paleontological resources, stabilized and prepared fossils, and processed sediments for vertebrate microfossils.

Sixth and Virgil (Next on Sixth) Streets Multifamily Residential Development Projects, Century West Partners, Los Angeles, California. Served as principal paleontologist. Coordinated and conducted paleontological monitoring. Collected, stabilized, and prepared fossil fishes.

Northwest Village Creek Phase 2 Project, Jacobs Center for Neighborhood Innovation, San Diego, California. Served as principal paleontologist. Provided senior paleontological oversight for paleontological monitoring.

Treasure Island and Yerba Buena Island Major Phase 1, City and County of San Francisco, California. Served as principal paleontologist. Wrote the paleontological resources mitigation monitoring and reporting program.

Altair Development Project, Ambient Communities, Temecula, California. Served as principal paleontologist and wrote the paleontological resources section of the EIR.

Berendo and New Hampshire Streets Multifamily Residential Development Projects, Fifield Companies, Los Angeles, California. Served as principal paleontologist. Supervised paleontological monitoring, collected and processed sediment samples for microvertebrates, and accessioned fossils into the Natural History Museum of Los Angeles County.

San Juan Capistrano Medical Office, Edward Almanza and Associates, San Juan Capistrano, California. Served as principal paleontologist and supervised paleontological monitoring.

Lifetime Fitness Construction Project, Lifetime Fitness Inc., Laguna Niguel, California. Served as principal paleontologist. Monitored excavations for paleontological resources; accessioned fossils into the Cooper Center at California State University, Fullerton; and wrote the final monitoring report.

Orange County Great Park Paleontological Monitoring, City of Irvine, California. Served as staff paleontologist. Developed and presented the WEAP. Monitored construction activities for former underground storage tank 240b and pond excavations for paleontological resources, accessioned fossils into the Natural History Museum of Los Angeles County, and wrote the final monitoring reports.

Anaheim Henning View Terrace Home Construction Project, KTK Construction Inc., Anaheim Hills, California. Served as principal paleontologist. Supervised paleontological monitoring and co-wrote the final monitoring report.

College Park Home Construction Project, Lennar Corporation, Chino, California. Served as principal paleontologist and supervised paleontological monitoring.

Whisler Ridge Home Construction Project, KB Homes, Lake Forest, California. Served as principal paleontologist. Surveyed construction site for paleontological resources. Monitored and supervised monitoring of grading activities.

Cahuilla Gold Project, Consolidated Goldfields Corporation, Imperial County, California. Served as staff paleontologist and participated in survey for paleontological resources.

Education

Rancho Campana High School, Oxnard Union High School District, Camarillo, California. Served as principal paleontologist. Supervised paleontological monitoring, collected and processed sediments for microfossils, and contributed to the final monitoring report.

Browning High School, Long Beach Unified School District, Signal Hill, California. Served as principal paleontologist. Spot-checked paleontological monitoring; collected and processed sediments for microfossils; accessioned fossils to the Natural History Museum of Los Angeles County, Invertebrate Paleontology Division; and contributed to the final monitoring report.

Long Beach Unified School District Project, Long Beach, California. Conducted an inventory of paleontological resources within the Long Beach Unified School District for use in the formulation of preservation guidelines and during future development and redevelopment of multiple school sites.

Energy

Scattergood Transmission Line Project, LADWP, Los Angeles County, California. Served as paleontological and archaeological monitor. Monitored excavations for paleontological and archaeological resources.

Path 46 Clearances Project, LADWP, San Bernardino County, California. Served as principal paleontologist and archaeological surveyor. Surveyed for paleontological and archaeological resources and wrote the paleontological resources assessment.

Haskell Canyon Substation, LADWP, Santa Clarita, California. Served as principal paleontologist. Monitored excavations for paleontological resources and reviewed the final paleontological monitoring report.

Glenarm Power Plant Project, City of Pasadena, California. Served as paleontological and archaeological monitor. Coordinated and monitored excavations for paleontological and archaeological resources.

Marsh Landing Generating Station, California Energy Commission, Contra Costa County, California. Served as staff paleontologist. Assisted in managing daily monitoring activities, writing monthly reports, and writing the final report.

Plains Exploration and Production Company Project, Kern County, California. Served as staff paleontologist. Surveyed for paleontological resources and co-wrote the paleontological resource assessments.

Rio Mesa Solar Project, BrightSource Energy Inc., Blythe, California. Served as staff paleontologist. Participated in paleontological survey on both BLM and private lands. Assisted with writing the paleontological resources section for the Application for Certification and final report.

Sonoran West Solar Project, BrightSource Energy Inc., Blythe, California. Served as staff paleontologist. Participated in paleontological survey on both BLM and private lands. Assisted with writing the final report.

Proposed Oasis Date Gardens Development, Golden Sands Properties, Thermal, California. Served as principal paleontologist. Conducted paleontological survey and wrote paleontological resources assessment.

Proposed Cascade Solar Project, Cascade Solar LLC/Axio Power Holdings LLC, San Bernardino County, California. Served as principal paleontologist. Conducted paleontological survey and co-wrote the paleontological resources assessment.

Pio Pico Energy Center, California Energy Commission, Otay Mesa, California. Served as staff paleontologist and participated in survey for paleontological resources.

Calico Solar Project, San Bernardino County, California. Served as staff paleontologist and participated in survey for paleontological resources.

Military

Legislative EIS for Renewal of the Chocolate Mountain Aerial Gunnery Range Land Withdrawal, U.S. Department of the Navy, California. Served as staff paleontologist. Contributed to paleontological resource sections of Legislative EIS for extension of the U.S. Department of the Navy aerial munitions gunnery range and test ground.

Sites TVOR SE and TVOR S Paleofaunal and Paleoenvironmental Research, ACOE/Prewitt and Associates Inc., Fort Polk, Louisiana. Served as paleontological technician. Participated in field and laboratory work, research, and writing of final report.

Municipal

Proboscidean Recovery Effort, LADWP, Lone Pine, California. Served as principal paleontologist. Organized and led the field crew in the recovery of a proboscidean tusk found in a borrow pit at the Lone Pine Landfill and wrote the final report.

Calabasas Landfill Project, County of Los Angeles, California. Served as principal paleontologist and wrote the paleontological resources technical report.

Mountain View Acres Drainage Improvement Project, San Bernardino Associated Governments (SANBAG), Victorville, California. Served as principal paleontologist and paleontological monitor. Monitored excavations for paleontological resources and wrote the final monitoring report.

Transportation

Mid Coast Rail Project, PGH Wong Engineering, San Diego, California. Served as archaeological and paleontological monitor and supervisor during extension of the trolley service to University City. Daily activities included working closely with biologists, Native American monitors, and construction personnel to complete the project in compliance with all mitigation measures and state and federal regulations. In addition, salvaged, collected associated data, and curated fossils discovered during construction.

Livermore Extension Project, Bay Area Rapid Transit, Alameda County, California. Served as principal paleontologist. Contributed to the paleontological resources section of the EIR.

Merced to Fresno Project, California High Speed Rail Authority, Fresno County, California. Served as principal paleontologist. Administered the WEAP and monitored for paleontological resources.

SR-91 Corridor Improvement Project, Riverside County Transportation Commission/Caltrans, Corona, California. Served as paleontological monitor. Monitored geotechnical drilling for paleontological resources, collected and processed sediment samples for microvertebrates, and assisted in the recovery of a fossil bison.

I-15/I-215 Interchange Improvement Project, Caltrans, Devore, California. Served as paleontological monitor and monitored excavations for paleontological resources.

Palmdale to Los Angeles Union Station Project, California High Speed Rail Authority, Los Angeles County, California. Served as staff paleontologist. Participated in survey for paleontological resources and writing of EIR/EIS and technical report.

I-10/Cherry Avenue Interchange Improvement Project, SANBAG/Caltrans, Fontana, California. Served as principal paleontologist. Supervised paleontological monitoring, processed sediment samples, and participated in writing the final monitoring report.

I-10/Citrus Avenue Interchange Improvement Project, SANBAG/Caltrans, Fontana, California. Served as principal paleontologist and supervised the paleontological monitor. Collected and processed sediment samples for vertebrate microfossils, and co-wrote the final paleontological mitigation report.

I-215 Murrieta Hot Springs Road to Scott Road, Caltrans, Murrieta, California. Served as staff paleontologist. Participated in survey for paleontological resources, monitored excavations for paleontological resources, and wrote the final monitoring report.

I-215 Scott Road to Nuevo Road, Caltrans, Riverside County, California. Served as staff paleontologist and wrote the paleontological mitigation plan.

I-215 Newport Overcrossing Bridge Reconstruction Project, Caltrans, Grand Terrace, California. Served as principal paleontologist. Conducted paleontological survey and wrote combined Paleontological Identification Report/Paleontological Evaluation Report.

I-405 from SR-73 to I-605 Improvement Project Paleontological Identification Report/Paleontological Evaluation Report, Parsons/Caltrans, Orange County, California. Served as staff paleontologist and participated in survey for paleontological resources.

Water/Wastewater

Eastern Recycled Water System Project, Escondido, California. Served as archaeological surveyor and participated in a survey for archaeological resources.

Peters Canyon Water Capture and Reuse Project, Irvine Ranch Water District, Irvine and Tustin, California. Served as principal paleontologist. Coordinated and conducted paleontological monitoring, and collected and processed sediments for microfossil recovery.

Cadiz Valley Water Conservation Recovery and Storage Project, Cadiz Inc./Santa Margarita Water District, Cadiz, California. Served as principal paleontologist. Conducted paleontological monitoring and wrote the paleontological mitigation and monitoring plan.

Hauled Water Project, County of Los Angeles, California. Served as principal paleontologist and geologist. Wrote the geology and soils IS, the technical report, and the paleontological section of the EIR.

Enhanced Watershed Management Programmatic EIR, County of Los Angeles, California. Served as principal paleontologist. Wrote the paleontological section of the programmatic EIR.

Publications

- Bonett, R.M., A.L. Trujano-Alvarez, M.J. Williams, and E.K. Timpe. 2013. "Biogeography and Body Size Shuffling of Aquatic Salamander Communities on a Shifting Refuge." *Proceedings of the Royal Society B*: 1–8.
- Stewart, J. D., M. Williams, M. Hakel, and S. Musick. 2012. "Was it Washed In? New Evidence for the Genesis of Pleistocene Fossil Vertebrate Remains in the Mojave Desert of Southern California." *2012 Desert Symposium Field Guide and Proceedings*: 140–143.
- Williams, M.J. 2009. "Miocene Herpetofaunas from the Central Gulf Coast, USA: Their Paleoecology, Biogeography, and Biostratigraphy." PhD dissertation; Louisiana State University and Agricultural and Mechanical College; Baton Rouge, Louisiana. http://etd.lsu.edu/docs/available/etd-11132009_034120/.
- Williams, M.J. 2009. "Neogene Herpetofaunas from Louisiana, USA and their Biogeographical and Paleoenvironmental Significance." *Bulletin, Southern California Academy of Sciences* 108, 89–136, Abstract No. 97.
- Schiebout, J.A., J.H. Wrenn, S. Ting, J.L. Hill, M.D. Hagge, M.J. Williams, G.S. Boardman, and B.B. Ellwood. 2006. "Miocene Vertebrate Fossils Recovered from the Pascagoula Formation in Southeastern Louisiana." *Gulf Coast Association of Geological Societies Transactions* 56:745–760.
- Schiebout, J.A. S. Ting, J.L. Hill, M.D. Hagge, M.J. Williams, and G.S. Boardman. 2006. "Quarrying in the Pascagoula Formation: First Miocene (Hemphillian) Fauna of Terrestrial Mammals from the Central Gulf Coast East of the Mississippi." *Journal of Vertebrate Paleontology, Abstracts of Papers*. 26, Supplement to No. 3.
- Williams, M.J. 2005. "A New Late Miocene (Late Barstovian) Herpetofauna from Fort Polk, Louisiana." *Journal of Vertebrate Paleontology, Abstracts of Papers*. 25, Supplement to No. 3.
- Schiebout, J.A., S. Ting, M. Williams, G. Boardman, W. Gose, R. Wilhite, P.D. White, and B. Kilbourne. 2004. *Paleofaunal and Environmental Research on Miocene Fossil Sites TVOR SE and TVOR S on Fort Polk, Louisiana, with Continued Survey, Collection, Processing, and Documentation of Other Miocene Localities*. ACOE, Fort Worth District. Open-File Report.
- Williams, M.J., and J.A. Schiebout. 2003. "Miocene Lower Vertebrates from Fort Polk, Louisiana: A Preliminary Report." *Transactions, Gulf Coast Association of Geological Societies and Gulf Coast Section of SEPM*. 53, 856–863.
- Williams, M.J., G. Boardman, J.A. Schiebout, B. Kilbourne, and H. Nguyen. 2003. "Miocene of Fort Polk, Western Louisiana." *Journal of Vertebrate Paleontology, Abstracts of Papers*. 23. Supplement to No. 3.

Conference Presentations

“Miocene Amphibians and Reptiles from Fort Polk, Louisiana: Evaluating their Usefulness in Paleoenvironmental Reconstruction and Biostratigraphy.” 2011. Presented at Geological Society of America South Central Section 45th Annual Meeting. New Orleans, Louisiana.

Sarah Siren, PG, GISP

SENIOR PALEONTOLOGIST

Sarah Siren is a senior paleontologist with 24 years' experience as a paleontological resources consultant. Ms. Siren has served as paleontologist for numerous projects throughout California, with extensive experience in Imperial, Orange, Riverside, Los Angeles, San Bernardino, and San Diego Counties. These projects involved multiple agencies, public and private sector clients, a variety of resources, and multidisciplinary staff supervision. She specializes in California Environmental Quality Act (CEQA) and Bureau of Land Management (BLM) compliance standards. She taught at Saddleback Community College in Mission Viejo, California as an associate geology professor, and worked as a curatorial assistant with the Natural History Museum of Los Angeles County and, more recently, as a field manager with the San Diego Natural History Museum.

Ms. Siren has conducted studies at both the Smithsonian Institution and Badlands National Park, and supervised as lead research scientist for various field activities, curation projects, and laboratory preparations. Her diverse experience includes recovering, identifying, mapping, and preparing fossils. Ms. Siren is able to effectively manage projects and complete deliverables from assessments to final technical reports in a timely manner.

Project Experience

Development

Kettner Lofts Project, CityMark Development, City of San Diego, California. As project manager and principal investigator, responsible for cultural resources construction monitoring during construction of this residential complex located in Little Italy.

Hymettus Estates Project, CityMark Development, City of Encinitas, California. Responsible for paleontological mitigation monitoring program conducted during construction for this development project.

Poinsettia 61 Project, Lennar, City of Carlsbad, California. As project manager and paleontologist, provided paleontological resources mitigation services for this residential project.

Hotel Coronado Project, BRE Hotels, City of Coronado, California. As cultural and paleontological resources project manager, provided paleontological resources mitigation services for this commercial project.



Education

*South Dakota School of Mines and Technology
MS, Paleontology, 2002*

*George Washington University
BS, Geology, 1999
BA, French Language*

Certifications

*Professional Geologist
(PG), CA, No. 9831*

*Certified GIS Professional
(GISP), No. 58370*

*OSHA 40-hour
HAZWOPER*

*Qualified Paleontologist,
City of San Diego and
Counties of Kern, Los
Angeles, Orange,
Riverside, San Diego, and
San Luis Obispo*

Professional Affiliations

*Natural History Museum
of Los Angeles County*

*Society of Vertebrate
Paleontology*

Double D Mine, County of Riverside, California. Responsible for cultural and paleontological resources management of surveys and reporting on this 611-acre mine near Blythe. Deliverables were accepted and approved by the County of Riverside.

Tejon Mountain Village, Tejon Mountain Village, LLC, County of Kern, California. Responsible for paleontological resources monitoring during geotechnical drilling within a portion of this 28,000-acre master planned community.

Trampas Dam and Reservoir Project, Santa Margarita Water District, Orange County, California. Provided paleontological and cultural resources management during this multi-year mitigation monitoring project.

Kaiser Permanente Project, City of Murrieta, California. Provided paleontological and cultural resources management during this multi-year mitigation monitoring project.

Patton State Hospital Project, California Department of General Services, County of San Bernardino, California. As project manager and principal investigator, supervised the cultural and paleontological resources mitigation program during construction improvements to the facility in accordance with the mitigation measures and treatment plan for the project.

Heather Lane Corti Residence, City of Del Mar, California. As project manager and principal investigator, responsible for cultural and paleontological resources construction monitoring for residential development located in the City of Del Mar.

1902 Grandview Street, City of Oceanside, California. Provided a paleontological resources review for the tentative tract map location, including management considerations and recommendations.

Winchester 1800 Project, City of Temecula, California. Project manager and principal investigator responsible for a paleontological resources survey and report prepared for this development located in the City of Temecula. Also provided editorial comments on the cultural resources report for the same project.

Mira Loma Commerce Center, County of Riverside, California. Project manager and principal investigator, responsible for cultural and paleontological resources monitoring during the construction of two commercial buildings on 31 acres and completion of a final technical report.

Otay Ranch, Parcels B (Village 8 West) and C (Village 9), Otay Land Company, City of Chula Vista, California. As field manager and co-principal investigator, conducted the pedestrian field survey of an approximately 600 acre site in the City of Chula Vista. Also co-authored the paleontological assessment for the project.

Olympic Pointe (East and West) Project, Alta Geotechnical Inc., City of Chula Vista, California. As field manager and co-principal investigator, responsible for oversight of field studies conducted as part of the paleontological mitigation program for the project. The findings of this paleontological mitigation program were included in a final technical report co-authored by Ms. Siren.

San Diego Zoo, City of San Diego, California. As field manager and co-principal investigator, recovered a relatively complete fossil skeleton of a juvenile baleen whale that was discovered during construction for a tank site within the park, due east of State Route 163 in Balboa Park.

Pelican Hill, The Irvine Company, City of Newport Beach, California. Managed the on-site paleontological mitigation program operated by Stantec for the Pelican Hill Project in Newport Beach, Orange County, California. In accordance with local and state guidelines, supervised the recovery of over 200 fish fossils from the middle to

late Miocene marine Monterey Formation, and both terrestrial and marine specimens from the overlying Pleistocene age terrace deposits.

Education

San Ysidro School District (SYSD) Vista Del Mar School, RBF, County of San Diego, California. As field manager and co-principal investigator, responsible for preconstruction WEAP training and supervision of paleontological monitoring program for the project. A series of fossil producing strata were discovered and collected from approximately 2–3 million year old San Diego Formation consisted of significant fossil remains of marine invertebrates.

Fullerton College Master Plan Program EIR, North Orange County Community College District, Cypress, California. Paleontologist for the Facilities Master Plan Program EIR. Issues include historic building preservation, traffic, and parking, and adjacent neighbor concerns associated with noise, traffic, parking, and growth inducement.

Thomas Jefferson School of Law Project, Thomas Jefferson School of Law, City of San Diego, California. As field manager, conducted multiple fossil salvages for this East Village project site. A mammoth skull, tusks, and partial skeleton were recovered and are currently awaiting preparation. In addition, a partial gray whale (*Eschrichtius robustus*) skeleton was discovered at the site and is housed at the museum's storage facility.

Coast Community College District, County of Orange, California. As project manager and co-principal investigator, conducted the field surveys and prepared the paleontological resources assessments for Orange Coast College, Golden West College, and Coastline Community College.

Energy

Jacumba Solar, County of San Diego, California. Served as senior paleontologist. Provided paleontological resources recommendations and guidelines during the design phase, and oversight during mitigation monitoring.

North Gila- Imperial Valley #2 Transmission Project, U.S. Department of the Interior Bureau of Land Management (BLM), Arizona and California. Dudek conducted a paleontological resources pedestrian survey within high sensitivity geological units along the project alignment and prepared a draft assessment for the BLM for this project located between the Imperial Valley Substation in California and the City of Yuma, Arizona. Permits were obtained through the lead agency prior to mobilization.

California Flats Solar Project, First Solar/NextEra, Counties of Monterey and San Luis Obispo, California. As project manager and principal investigator, supervised the cultural and paleontological resources mitigation program in accordance with the mitigation measures and treatment plan for the project.

California Valley Solar Ranch Project, NRG/Sun Power, County of San Luis Obispo, California. As field manager and co-principal investigator, supervised the paleontological mitigation program in accordance with the paleontological monitoring and treatment plan for the project.

Crimson Solar Project, CDFW, County of Riverside, California. Responsible for peer review of the paleontological resource assessment for this 350-megawatt (MW) solar photovoltaic facility located in eastern Riverside County.

McCoy Solar Project, First Solar, County of Riverside, California. Managed cultural and paleontological resource staff during construction of this 250-megawatt (MW) solar photovoltaic facility located in easternmost Riverside County. As the BLM-permit holder, served as principal investigator for paleontology and paleontological resources compliance manager.

Stateline Solar Farm Project, First Solar, County of San Bernardino, California. As project manager and co-principal investigator, prepared the paleontological resources plan and provided technical review and editorial comments on the field survey report for this project located on BLM-managed land.

Antelope Valley Solar Ranch Project, Sun Power, Counties of Los Angeles and Kern, California. As field manager and co-principal investigator, supervised the paleontological mitigation program in accordance with the paleontological monitoring and treatment plan for the project.

Sunrise Powerlink, SDG&E, Counties of San Diego and Imperial, California. As field manager and co-principal investigator, responsible for implementation of the field mitigation program for the project. Additionally, aided in the preparation of the SDG&E Sunrise Powerlink Paleontological Records Search, Monitoring and Treatment Plan, and co-authored Final Technical Report on paleontological resources for submittal to the BLM.

Paleontological Services On-Call Contract, SDG&E, Counties of San Diego and Imperial, California. As field manager investigator, responsible for oversight of paleontological monitoring being conducted as part of several work orders for SDG&E. Over thirty work orders ongoing or completed under the on-call contract. Also responsible for co-authoring final project reports (both mitigation and assessment).

Imperial Irrigation District (IID) Imperial to Dixieland 230 kilovolt Transmission Line and Expansion of Dixieland Substation, AECOM, County of Imperial County, California. As field manager and co-principal investigator, responsible for field studies oversight and preparation of the paleontological assessment report. The paleontological assessment program included completion of a paleontological records search and literature review, completion of a field survey, and preparation of a final report summarizing findings and proposing appropriate mitigation measures to reduce potential adverse impacts to a level below significance. The findings of this paleontological assessment report indicated that the potential adverse impacts to a variety of marine and non-marine sedimentary rocks could be avoided.

SCG Imperial Valley Loop, Insignia Environmental, City of Brawley, California. As field manager, responsible for oversight of monitoring and fossil salvage being conducted on site by another consultant. Mitigation efforts consisted of monitoring during mass grading activities, recovery of fossils discovered, laboratory preparation and curation of fossils, and preparation of the final report. A series of fossil producing strata were discovered and collected from ~14,000 to 7,000 year old lacustrine sedimentary rocks ancient Lake Cahuilla. Recovered fossils consisted of significant fossil remains of late Pleistocene- to early Holocene-age marine invertebrates.

Municipal

Block 4N (North Encanto) Project, City of San Diego, California. As project manager and principal investigator, responsible for archaeological and paleontological monitoring for underground conduit system installation by San Diego Gas and Electric (SDG&E) for the City of San Diego in the neighborhood of Encanto. A marine mollusk and vertebrate assemblage was recovered from the San Diego Formation. Served as the primary author of the report. Specimens were prepared and curated according to the City of San Diego and the San Diego Natural History Museum's guidelines for paleontology.

Palm Springs Waste Water Treatment Plant, City of Palm Springs, California. Project manager and principal investigator, responsible for preparation of a field survey report, paleontological resources monitoring program, and final report for this construction project.

Transportation

California High-Speed Rail Project Construction Package 2-3, Fresno to Bakersfield, Dragados/Flatiron Joint Venture, Fresno to Bakersfield, California. Managed cultural and paleontological resource staff on the Fresno to Bakersfield Section of the project. Responsible for Worker Environmental Awareness Program (WEAP) training and Paleontological Resources Mitigation and Monitoring Plan (PRMMP) consistent with the Final Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) created for the project.

Mid-Coast Corridor Transit Project, City of San Diego, California. As project manager and principal investigator, responsible for cultural and paleontological resources construction monitoring during excavation for this San Diego Association of Governments (SANDAG) project.

Pelandale Avenue Alternative Infiltration Trench Structure (SITS) Pilot Study Project, County of Stanislaus, California. Co-authored the paleontological identification report for the Caltrans District 6. Consulted with Caltrans on the field survey results and made recommendations for future mitigation monitoring in accordance with the Standard Environmental Reference for Paleontology.

San Elijo Lagoon Double Track Project, AECOM, City of Encinitas, California. As project manager and principal investigator, responsible for cultural and paleontological resources construction monitoring during excavation on this SANDAG project.

Old Otay Mesa Road Improvement Project, City of San Diego, California. As project manager and principal investigator, responsible for cultural and paleontological resources construction monitoring during excavation on this City of San Diego project.

Keller Road and I-215 Interchange Project, Jacobs Engineering and California Department of Transportation (Caltrans), City of Murrieta, California. As project manager and principal investigator for cultural and paleontological resources on this interchange project for the City of Murrieta, conducted the field survey and drafted a report in accordance with the Caltrans Standard Environmental Reference.

Mid-City Bus Rapid Transit Project, City of San Diego, California. Co-authored the paleontological evaluation report for the Caltrans District 11. Completed the field survey for the study, and made recommendations for future mitigation monitoring in accordance with the Standard Environmental Reference for Paleontology. Responsible for WEAP training preconstruction and paleontological resources monitoring during excavation by Granite Construction on this SANDAG project.

Paleontological Services On-Call Contract, Caltrans, Counties of San Diego and Imperial, California. As field manager investigator, responsible for oversight of paleontological monitoring being conducted as part of Caltrans road improvement projects along the SR-52, SR-76, SR-78, SR-94, SR-805, SR-905, and I-15 freeways. Numerous concurrent work orders were issued and completed under the on-call contract. Also responsible for co-authoring final project reports (both mitigation and assessment).

SR-210 Mixed Flow Lane Addition from Highland Avenue to San Bernardino Avenue, County of San Bernardino, California. Conducted field survey and co-authored the Paleontological Identification and Evaluation Report for submittal to Caltrans District 8.

I-15/Limonite Avenue Interchange Improvements Project, County of Riverside, California. Conducted field survey and co-authored the Paleontological Identification and Evaluation Report for submittal to the California Department of Transportation (Caltrans) District 8.

SR-76/I-15 Interchange Improvement Project, Caltrans, County of San Diego, California. During grading by Flatiron Construction for the Caltrans District 11 roadway improvements to the SR-76/I-15 interchange, field manager responsible for recovery of a nearly complete skull and postcrania of a long-horned bison (*Bison latifrons*).

Water/Wastewater

Carlsbad Desalination Plant and Pipeline, Poseidon Water LLC, County of San Diego, California. As field manager and co-principal investigator for paleontological resources, managed field personnel and fossil recovery efforts during construction of this multi-year project.

Otay Water Treatment Plant, ICF International Inc., County of San Diego, California. As field manager and co-principal investigator, Ms. Siren co-authored the paleontological resources final technical report which was accepted by the Otay Water District. She was also responsible for supervising the paleontological monitoring on this project located in eastern San Diego County, California.

North City Pure Water Conveyance Project, City of San Diego, California. Served as project manager and principal investigator on this public works project. Responsible for managing cultural and paleontological resources studies for a new underground pipeline with improvements to existing infrastructure.

Cultural Resources Support for Master Stormwater System Maintenance Program (MSWSMP), County of San Bernardino, California. As project manager and principal investigator for paleontology, responsible for the review and edit of the paleontological resources assessment of approximately 500 flood control facilities within San Bernardino County. The scope of services included providing a mitigation monitoring plan should monitoring and collection of paleontological resources be necessary.

Little Lake Line B Town Drain System Construction Project, Riverside County Flood Control and Water Conservation District, California. Served as project manager and principal investigator on this public works project. Responsible for managing cultural and paleontological resources monitoring for a new underground pipeline.

North Broadway Pipeline, City of Escondido, California. Served as principal investigator and paleontologist on this project. Managed mitigation monitoring project for this water pipeline project traversing Quaternary older alluvial deposits within the City of Escondido.

Los Angeles Department of Power and Water (LADWP) Path 46 Transmission Line Project, Environmental Science Associates (ESA). San Bernardino County, California, and Clark County, Nevada. As project manager and principal investigator, reviewed the final survey report for submittal to the client. Co-authored annual report for submittal to the BLM.

Tehachapi Renewable Transmission Project (TRTP), Pacific Legacy, Counties of Kern, Los Angeles, and San Bernardino County, California. As project manager and principal investigator, evaluated paleontological resource discoveries during construction for this multiyear Southern California Edison (SCE) project. Excavation activities within the Miocene-age Puente Formation in Los Angeles and San Bernardino counties had the potential to yield scientifically significant fossils during construction on this large-scale project.

San Vicente Dam Raise Project, San Diego County Water Authority (SDCWA), County of San Diego, California. As field manager and co-principal investigator, Ms. Siren conducted the field survey and co-authored the paleontological resources assessment report.

South Orange County Water Authority (SOCWA) Coastal Treatment Plant, County of Orange, California. As field manager and co-principal investigator, conducted the field survey and co-authored the paleontological resources assessment report.

Holly Hills Storm Drain Project, Los Angeles Department of Public Works, Los Angeles County, California. As project manager and paleontologist, responsible for providing on-call paleontological monitoring. The scope of services included providing on-site monitoring and collection of archaeological or paleontological resources found. Evaluated and prepared salvaged fossils in compliance with CEQA guidelines. Wrote quarterly reports on the findings.

Specialized Training

- Geology field course, Lehigh University, 1999.
- Society of Malacologists, Conference Leader, 2016.

Publications

Black,¹ S.A., C.L. Herbel, and R.C. Benton. 2001. "Bone Beds in the Lower Scenic Member, Brule Formation (*Oligocene*), Badlands National Park, South Dakota." Abstract. Poster presentation at the Sixty-First Annual Society of Vertebrate Paleontology Meeting, Bozeman, Montana.

Deering, M.R., L.G. Barnes, S.A. Siren, S.A. McLeod, M.O. Walsh, and K.R. Rice. 2007. "A Fossil Ziphiid Whale (Cetacea: Odontoceti) from the Latest Miocene Capistrano Formation in Southern Orange County, California." Los Angeles, California: Southern California Academy of Sciences.

Deering, M.R., M.L. Kearin, S.A. Black,² and L.G. Barnes. 2004. "An Archaic Baleen-Bearing Mysticete Whale Resembling *Eomysticetus* from the Lower Miocene Vaqueros Formation in Southern California." Abstract. Western Association of Vertebrate Paleontologists, Annual Meeting, Occidental College. February 14, 2004.

Deméré, T.A., K.A. Randall, B.O. Riney, and S.A. Siren. 2013. "Discovery of remains of an extinct giant bison (*Bison latifrons*) in Upper Pleistocene (Rancholabrean) fluvial strata in the San Luis Rey River Valley, San Diego County, California, USA." In *Alternative Rocks: The Geology and Natural Resources Above and Below the San Luis Rey River Valley, Northern San Diego County, California*, edited by B. Olson. San Diego, California: San Diego Association of Geologists Field Trip Guide.

Herbel, C.L., R.C. Benton, and S.A. Black.³ 2002. "Bone Bed Surveys: Making Use of the Data." Abstract. Geological Society of America Annual Meeting, Abstracts with Programs 34, no. 6, paper no. 237–5.

Santos, Comer, K. S. Siren, A. Nouri, T. Deméré, and Randall, K. 2010. "Paleontological Sensitivity Map for San Diego County: A Categorical Risk Analysis." ESRI Users Conference, Map Gallery Poster.

Siren, S.A. 2006. "Site Analysis of the Buffalo Alley Bone Bed Located in the Lower Scenic Member of the Brule Formation (*Oligocene*), Badlands National Park, South Dakota." Abstract. Poster presentation at the Sixty-Sixth Annual Society of Vertebrate Paleontology Meeting, Ottawa, Ontario, Canada.

Awards

San Diego Natural History Museum Staff Appreciation Award, 2012.

¹ Née S.A. Black.

² Née S.A. Black.

³ Née S.A. Black.

South Dakota School of Mines and Technology Award for Outstanding Contributions to Campus Leadership, April 2001 and 2002.

To: Eyestone Environmental
From: Chris Millington, Senior Archaeologist, SWCA Environmental Consultants
Date: September 27, 2023
Subject: Professional Experience and Statement of Responsibility for TVC EIR

Chris Millington, M.A., is a senior archaeologist with SWCA Environmental Consultants (SWCA), based in our Pasadena office. John Dietler, Ph.D., is SWCA's Senior Vice President of Operations in our West region, and he continues to serve in the role of a principal investigator in archaeology, which he has done for over a decade. SWCA is one of the largest consulting companies in the U.S. whose focus is solely on environmental science and our team of archaeologists is among the largest in the country. SWCA provides a full spectrum of environmental services focused on environmental planning, natural and cultural resource management, air quality, permitting, regulatory compliance, and water resources and climate change consulting. Since 1981, SWCA has grown into a large business with more than 1,100 employees in 36 offices throughout the United States, including six offices in California, where we have technical experts in a variety of fields and specialize in California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance.

Mr. Millington has been practicing as a professional archaeologist for the last 18 years. He is a Registered Professional Archaeologist and member of the Society for California Archaeology (SCA). He meets the Secretary of the Interior (SOI) Professional Qualification Standards (PQS) for archeology, and the SCA professional standards for a principal investigator. He has contributed to over 300 compliance-driven projects with SWCA in eight states across the western United States. In the last 12 years, he has focused on projects and research predominantly within Southern California with a focus on the greater Los Angeles area. His area of expertise includes urban archaeology and Los Angeles history, primarily in the framework of compliance with CEQA and Sections 106 and 110 of the National Historic Preservation Act (NHPA). Since 2017, he has managed multiple task orders for the City of Los Angeles Department of Public Works Bureau of Engineering and previously served as a project manager and lead archaeologist for over 100 task orders supporting various Southern California Edison maintenance and construction projects. Mr. Millington has extensive experience supporting public agencies through the tribal consultation process pursuant to Assembly Bill 52 (AB 52). He regularly conducts desktop assessments for archaeological and tribal cultural resources and has authored more than 60 technical reports exclusively within Los Angeles County, most of which were prepared for projects approved by the City of Los Angeles Department of City Planning. Most recently, he was the lead author and co-principal investigator with Dr. Dietler on the archaeological and tribal study conducted as part of the CEQA compliance process for the County's update to the master plan at the La Brea Tar Pits—a cultural-historical landmark containing the oldest human remains found in the Los Angeles Basin and an archaeological record that spans across the entire history of Los Angeles.

Dr. Dietler has over 27 years of experience in conducting cultural resources research in support of development, infrastructure, and multidisciplinary environmental projects in compliance with CEQA, NEPA, the Native American Graves Protection Act, and Sections 106 and 110 of the NHPA. He has presented scientific papers on the origins of chiefdoms in southwest Florida, prehistoric lithic use in San Diego County, Channel Islands craft specialization, early historic cemeteries in urban Los Angeles, and



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the beginning of California's industrial revolution at Mission San Gabriel. Dr. Dietler is also an RPA and is a member of the SCA and Society for American Archaeology. He also meets the SOI PQS in archeology and history and SCA's professional standards for a principal investigator. He has authored or co-authored book chapters, and peer-reviewed publications, along with hundreds of professional reports. He has conducted peer review of scholarly articles for American Antiquity, Pacific Coast Archaeological Society, Journal of California and Great Basin Anthropology, and The Florida Anthropologist. Dr. Dietler has served as an expert witness in cases where California history was a central issue. In addition to consulting, he has taught anthropology and archaeology at University of California, Los Angeles, and Santa Monica College and has lectured at the Getty Conservation Institute, the Santa Barbara Museum of Natural History, California State University (CSU) Channel Islands, CSU Northridge, CSU Los Angeles, and CSU San Bernardino, and before a variety of local historical societies and business groups. As mentioned above, Dr. Dietler was the co-author and co-principal investigator on SWCA's recent work completed at La Brea Tar Pits.

For the TVC Project Draft Environmental Impact Report (EIR), SWCA prepared and reviewed responses to the comments regarding archaeological and tribal cultural resources, and we were contributors and reviewers for the supplemental technical memorandum that addresses topics for these same resources, all of which was done in collaboration with Adam Giacinto at Dudek. These contributions included Responses to Comment Letter Nos. 13, 26, 35, 41, 285, 323, 403, and 525. For this work, SWCA reviewed previous technical reports, site history, archaeological data, geophysical studies, archival historical documents including maps and photographs, architectural reports, and various other published sources of information specific to given topics raised in the public comments. These materials included those technical studies submitted as part of the TVC Project Draft EIR and sources maintained as part of SWCA's research materials, including our findings from two unrelated projects completed within a 0.5-mile radius of the TVC property, including La Brea Tar Pits.

We affirm the factual and technical accuracy of the assumptions, methodologies, and conclusions in the EIR analyses and in the responses to comments that we prepared and reviewed. We also reaffirm our findings that the supplemental analysis in response to comments on the Draft EIR confirms the conclusions in the Draft EIR.

A handwritten signature in black ink, appearing to read "Chris Millington".

Chris Millington, M.A.
Registered Professional Archaeologist 32790536
Senior Archaeologist

A handwritten signature in black ink, appearing to read "John Dietler".

John Dietler, Ph.D.
Registered Professional Archaeologist 15224
Senior Vice President of Operations – West

Attachments: Professional Resumes of Chris Millington and John Dietler

CHRIS MILLINGTON, M.A., RPA, SENIOR ARCHAEOLOGIST, PRINCIPAL INVESTIGATOR

Mr. Millington is a senior archaeologist and principal investigator in SWCA's Pasadena, California, office with 18 years of experience in cultural resources management. His responsibilities include technical oversight, research, project management, agency coordination, authoring cultural resources reports, analyzing spatial data, map production, and graphics. Across his entire career, Mr. Millington has contributed to over 300 compliance-driven projects with SWCA in eight states across the western United States. In the last 13 years, he has focused on projects and research predominantly within his native Southern California, including both rural and urban settings. Mr. Millington has developed expertise in California Environmental Quality Act (CEQA) compliance, urban archaeology, and Los Angeles history. Most recently he has managed multiple task orders for the City of Los Angeles Department of Public Works Bureau of Engineering (LADPW BOE) and previously served as a project manager and lead archaeologist for over 100 task orders supporting various Southern California Edison maintenance and construction projects. He regularly collaborates with engineers, construction crews, planners, and attorneys, on both the private and public sides, and is experienced in responding to midstream project design changes, public scrutiny, and unanticipated budget and schedule adjustments. Mr. Millington has extensive experience supporting public agencies for tribal consultation under Assembly Bill 52 (AB 52) and regularly conducts desktop sensitivity assessments for archaeological and tribal cultural resources.

YEARS OF EXPERIENCE

18

EXPERTISE

Archaeological and tribal cultural resources

CEQA compliance

Tribal consultation, AB 52 compliance

Southern California history and archaeology

Predictive modeling, data analytics, graphic design, cartography

EDUCATION

M.A., Archaeology; University of New Mexico; 2006

B.A., Anthropology, e: Archaeology, m: Religious Studies; University of New Mexico; 2004

A.A., Liberal Arts; Long Beach City College; 2002

REGISTRATIONS / CERTIFICATIONS

Registered Professional Archaeologist
No. 32790536

Exceeds the U.S. Secretary of Interior's Professional Qualifications Standards

SELECTED PROJECT EXPERIENCE

La Brea Tar Pits Master Plan EIR; Los Angeles County Natural History Museum; Los Angeles County, California. SWCA is preparing an EIR related to significant improvements to this iconic site in central Los Angeles. With significant development having occurred in the project vicinity in recent years (e.g., at the adjacent LA County Museum of Art and with the LA Metro), the EIR and approach to construction phasing will be highly scrutinized. In addition to leading the EIR process, SWCA is assisting with the public engagement process. The conceptual Master Plan was recently developed by the Natural History Museum for the future development and enhancement of the La Brea Tar Pits site. The Master Plan includes the existing museum and Hancock Park and seeks to unify the critical research sites, buildings, exhibition space, and the park with an inspiring new identity. As part of the archaeological and tribal cultural resources analysis, SWCA conducted exhaustive background research and in-field test excavations documenting 10,000 years of human history at the site. Measures were specially crafted to ensure resources would be identified, appropriately recovered, and treated in a manner that is consistent with the site's cultural heritage and value to California Native American tribes and the public. SWCA assisted Los Angeles County with their tribal consultation efforts and coordinated their participation during fieldwork. SWCA's paleontologists worked closely with museum scientists in the analysis of the fossil record and unique geological conditions for which La Brea Tar Pits are known around the world. Our resource specialists developed measures to ensure any additional resources encountered during the project would be recovered using controlled scientific methods and preserved for ongoing research and public education. *Role: Principal-in-Charge and Co-Principal Investigator for Archaeology.*

Phase I Archaeological and/or Tribal Cultural Resource Assessment Studies; Multiple Clients and Agencies; Multiple Cities within Los Angeles County, California. SWCA has prepared more than 50 technical reports assessing archaeological and/or tribal cultural resources on a variety of land development projects within Los Angeles County. The projects include mixed-use developments, multi-family residential developments, high-rise towers, and single-family home remodeling projects.

The technical studies were used to inform various regulatory compliance documents, primarily pursuant to CEQA, but also supporting due diligence efforts for CEQA exemptions. Phase I technical studies included extensive archival research, ethnographic literature review, a cultural resources records search of the CHRIS, and SLF search, which were used to establish whether an archaeological or tribal cultural resources is present or the likelihood such a resource may be present within a given project site. *Role: Project Manager, Principal Investigator, and Author/Co-Author. Administered all aspects of projects including budget preparation and oversight; coordinating with property owners, land use attorneys, CEQA consultants, agencies, and subconsultants; conducting research; producing maps/graphics and performing GIS analysis; authoring reports and/or providing QA/QC; and developing project-specific mitigation.*

Selected Project in the City of Los Angeles: 1001 Olympic Boulevard; 1024 Mateo; 10850 Riverside Drive; 1201 Grand Avenue; 1330 West Pico Boulevard; 13724 Victory Boulevard; 17346 Sunset; 1855-1871 South Westwood Boulevard; 2110 Bay Street; 222 West 2nd Street; 2800 Casitas Loft; 2859 Coldwater Canyon Drive; 2900 Wilshire Boulevard; 3003 North Runyon Canyon; 350 S Figueroa; 3600 Wilshire Boulevard; 4850 Hollywood Boulevard; 4882-4888 Lankershim Boulevard; 520 Mateo Street; 5407 Wilshire Boulevard; 5600 Franklin Avenue; 5th and Hill; 6136 Manchester Boulevard ; 6300 West 3rd Street; 6733 Sepulveda; 6834-6838 North Baird Avenue; 696 South New Hampshire Avenue; 800 Fairfax; 9335 Noble Avenue Multifamily Development; 948 Sycamore Avenue; Arts District Center; CMNTY Culture Center; Culver City Transfer Station; Korean American National Museum; Marquette Residential Development; North LA County Environmental; Olympic Tower; Pico and Gateway; Southern California Flower Market; Venice Place, and West LA Commons..

LA Plaza de Cultura y Artes Project; County of Los Angeles; Los Angeles County, California. SWCA provided expert consultation for the treatment of human remains and cultural resources excavated from a historic cemetery in accordance with state and federal laws, including Section 106 of the NHPA, the Native American Graves Protection and Repatriation Act (NAGPRA), NEPA, and CEQA. This work included archaeological laboratory analysis, historical research, Native American and other interested party consultation, providing an expert witness for the national NAGPRA meeting, archaeological excavation, archaeological and Native American monitoring, technical reports, a historic properties management plan, and an update to the Plaza National Register of Historic Places District nomination form. SWCA provided technical expertise and consultation at the highest level, ensuring compliance and allowing the project to come to a successful conclusion. *Role: Senior Archaeologist and GIS Specialist. Provided QA/QC and oversight during fieldwork, mapping and graphics support, report authoring, and research.*

Los Angeles County Museum of Natural History (LANHM) Commons Class 32 Infill Exemption; LANHM; Los Angeles, Los Angeles County, California. SWCA provided environmental services related to a CEQA Class 32 Infill Exemption for the demolition of the existing Jean Delacour Auditorium, interior improvements, and construction of an addition to the LANHM. The CEQA analysis included air quality, biology, archaeology, architectural history, paleontology, and traffic studies. *Role: Project Manager and Cultural Resources Principal Investigator. Oversaw overall project performance and client satisfaction and reviewed all cultural resources deliverables for quality assurance.*

Environmental Specialty Studies Contract; City of Los Angeles Department of Public Works, Bureau of Engineering; Los Angeles County, California. Services provided by SWCA under this on-call cultural resources contract include Phase I cultural resources investigations, archaeological and paleontological construction monitoring, monitoring and discovery plans, resource evaluations, and project design review for compliance with the Secretary of the Interior's Standards. Work is carried out in compliance with CEQA, NEPA, and Section 106 of NHPA. *Role: Lead archaeologist, principal investigator, and project manager.*

ACE - San Gabriel Trench; San Gabriel Valley Council of Governments; San Gabriel, Los Angeles County, California. Over nearly a decade, SWCA conducted a cultural resources project of unmatched scale and complexity with a focus on the Spanish-Mexican colonial archaeology of the San Gabriel Mission. The scope of work included preparation of technical studies and EIR sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the NRHP and CRHR-listed San Gabriel Mission site. These included a Phase I survey, extended Phase I (XPI) testing, Phase II NRHP evaluation, multiple Phase III archaeological data recoveries, as well as the preparation of Historic American Buildings Survey (HABS) and Historic American Engineering Record (HAER) documentation, and the nomination of the mission as a National Historic Landmark. The project's results were disseminated broadly, including through numerous publications for professional and public audiences. *Role: Archaeologist and GIS Specialist. Provided QA/QC and oversight during fieldwork, mapping and graphics support, report authoring, and research.*

YEARS OF EXPERIENCE

27

EXPERTISE

Cultural resources management

California history and archaeology,
Spanish/Mexican colonial archaeologyCEQA/NEPA, NHPA Section 106 and
110Native American and NAGPRA
ConsultationLithic and shell artifact analysis, hunter-
gatherer studies

EDUCATION

Ph.D., Anthropology, e: Archaeology;
University of California, Los Angeles;
2008M.A., Anthropology, e: Archaeology;
University of California, Los Angeles;
2003B.A. magna cum laude, Anthropology, e:
Archaeology, m: Geology; George
Washington University, Washington D.C.;
1996

REGISTRATIONS / CERTIFICATIONS

Registered Professional Archaeologist,
No. 15224Exceeds the U.S. Secretary of Interior's
Professional Qualifications Standards for
archeology**JOHN DIETLER, PH.D., RPA, SENIOR VICE
PRESIDENT, PRINCIPAL INVESTIGATOR**

Dr. Dietler is the Senior Vice President of Operations in the West region, an archaeological principal investigator, and a Regional Scientist in SWCA's Scientific Leadership Program. He leads SWCA's the operations in the western states and Pacific Islands, providing strategic direction and leadership in the region's financial performance, business and client development, staff management, and in maintaining SWCA's reputation for high-quality scientific and technical consulting. He creates innovative research designs, mentors staff, and provides quality assurance/quality control (QA/QC) for technical studies in support of development, infrastructure, and multidisciplinary environmental projects in compliance with the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and Section 106 of the National Historic Preservation Act (NHPA). He specializes in the management of large on-call contracts, ensuring that contract teams have the resources, structure, and quality assurance processes needed to deliver consulting services of the highest value to our clients. He has served as principal-in-charge on large on-call contracts for major municipalities, utilities, and federal departments throughout Southern California. He has led numerous precolonial archaeology studies, and conducted significant, published research on Spanish-Mexican colonial archaeology.

SELECTED PROJECT EXPERIENCE

ACE - San Gabriel Trench; San Gabriel Valley Council of Governments; San Gabriel, Los Angeles County, California. Over nearly a decade, SWCA conducted a cultural resources project of unmatched scale and complexity with a focus on the Spanish-Mexican colonial archaeology of the San Gabriel Mission. The scope of work included preparation of technical studies and Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included

archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National Register of Historic Places (NRHP) and California Register of Historical Resources listed San Gabriel Mission site. These included a Phase I survey, extended Phase I (XPI) testing, Phase II NRHP evaluation, multiple Phase III archaeological data recoveries, as well as the preparation of Historic American Buildings Survey (HABS) and Historic American Engineering Record (HAER) documentation, and the nomination of the mission as a National Historic Landmark. The project's results were disseminated broadly, including through numerous publications for professional and public audiences. *Role: Principal Investigator. Oversaw all cultural resources work for the project. Senior author or quality control officer for all key planning documents and technical reports.*

La Brea Tar Pits Master Plan EIR; Los Angeles County Natural History Museum; Los Angeles County, California. SWCA is preparing an EIR related to significant improvements to this iconic site in central Los Angeles. With significant development having occurred in the project vicinity in recent years (e.g., at the adjacent LA County Museum of Art and with the LA Metro), the EIR and approach to construction phasing will be highly scrutinized. In addition to leading the EIR process, SWCA is assisting with the public engagement process. The conceptual Master Plan was recently developed by the Natural History Museum for the future development and enhancement of the La Brea Tar Pits site. The Master Plan includes the existing museum and Hancock Park and seeks to unify the critical research sites, buildings, exhibition space, and the park with an inspiring new identity. As part of the archaeological and tribal cultural

resources analysis, SWCA conducted exhaustive background research and in-field test excavations documenting 10,000 years of human history at the site. Measures were specially crafted to ensure resources would be identified, appropriately recovered, and treated in a manner that is consistent with the site's cultural heritage and value to California Native American tribes and the public. SWCA assisted Los Angeles County with their tribal consultation efforts and coordinated their participation during fieldwork. SWCA's paleontologists worked closely with museum scientists in the analysis of the fossil record and unique geological conditions for which La Brea Tar Pits are known around the world. Our resource specialists developed measures to ensure any additional resources encountered during the project would be recovered using controlled scientific methods and preserved for on-going research and public education. *Role: Principal-in-Charge and Co-Principal Investigator for Archaeology.*

LA Plaza Village Project EIR; Terry A. Hayes Associates; Los Angeles County, California. The LA Plaza Cultura Foundation (Foundation) engaged SWCA, via a small business prime, to perform technical analyses supporting an EIR under CEQA and appropriate documentation under NEPA to analyze the environmental impacts of the Foundation's proposed development of LA Plaza Cultura Village, an approximately 425,000-square-foot mixed-use project located on two County of Los Angeles-owned parcels in downtown Los Angeles that had long been surface parking lots. Our cultural resources study identified a large and significant archaeological deposit beneath the parking lots dating from the 1880s, and SWCA prepared a mitigation and monitoring plan to record and mitigate impacts to this important resource. *Role: Project Manager, Principal Investigator.*

LA Plaza de Cultura y Artes Project; County of Los Angeles; Los Angeles County, California. SWCA provided expert consultation for the treatment of human remains and cultural resources excavated from a historic cemetery in accordance with state and federal laws, including Section 106 of the NHPA, the Native American Graves Protection and Repatriation Act (NAGPRA), NEPA, and CEQA. This work included archaeological laboratory analysis, historical research, Native American and other interested party consultation, providing an expert witness for the national NAGPRA meeting, archaeological excavation, archaeological and Native American monitoring, technical reports, a historic properties management plan, and an update to the Plaza National Register of Historic Places District nomination form. SWCA provided technical expertise and consultation at the highest level, ensuring compliance and allowing the project to come to a successful conclusion. *Role: Lead Consultant and Project Manager. Ensured adherence to project scope, schedule, and budget as well as the quality of the cultural resources deliverables.*

Los Angeles County Museum of Natural History (LANHM) Commons Class 32 Infill Exemption; LANHM; Los Angeles, Los Angeles County, California. SWCA provided environmental services related to a CEQA Class 32 Infill Exemption for the demolition of the existing Jean Delacour Auditorium, interior improvements, and construction of an addition to the LANHM. The CEQA analysis included air quality, biology, archaeology, architectural history, paleontology, and traffic studies. *Role: Project Manager and Cultural Resources Principal Investigator. Oversaw overall project performance and client satisfaction and reviewed all cultural resources deliverables for quality assurance.*

Environmental Specialty Studies Contract; City of Los Angeles Department of Public Works, Bureau of Engineering; Los Angeles County, California. Services provided by SWCA under this on-call cultural resources contract include Phase I cultural resources investigations, archaeological and paleontological construction monitoring, monitoring and discovery plans, resource evaluations, and project design review for compliance with the Secretary of the Interior's Standards. Work is carried out in compliance with CEQA, NEPA, and Section 106 of NHPA. *Role: Principal-in-Charge. Oversees cultural resources work conducted for the contract, including staffing and cultural resources technical QA/QC.*

Southern California Association of Governments 2020 Regional Transportation Plan/Sustainable Communities Strategy Program Environmental Impact Report (PEIR); Impact Sciences, Inc.; Multiple Counties, California. SWCA was retained by Impact Sciences, Inc., to provide environmental services in support of the Southern California Association of Governments PEIR for the 2020 Regional Transportation Plan/Sustainable Communities Strategy in accordance with environmental compliance procedures under federal metropolitan planning law and regulations, CEQA statutes and guidelines, and other relevant federal and state environmental laws and regulations. SWCA is conducting biological, cultural, and paleontological resources studies in support of the PEIR. *Role: Principal Investigator. Reviewed cultural resources deliverables for quality assurance.*



To: Eyestone Environmental
From: James Brandt, PE, Managing Principal, AMA Group Engineers
Date: July 17, 2023
Subject: Professional Experience and Statement of Responsibility for TVC EIR

AMA Group has been engaged to provide a peer review of expected energy consumption for the TVC 2050 Project (Project) in response to public comments on the Draft EIR, and has provided consulting engineering services regarding the mechanical, electrical, plumbing and fire protection aspects of the project. This has included preparing schematic design documents, based on design calculations and preliminary equipment sizes to support the planned new and renovated buildings. In addition, AMA Group has been engaged to prepare energy models to simulate and predict the expected annual energy consumption rates (see Appendix FEIR-9 of the Final EIR).

The AMA Team that assisted with the Project includes:

James Brandt, PE – Managing Principal and project manager
Arthur Metzler, PE – Principal-in-charge and company president
James Jordan, PE – Principal and lead electrical engineer
Matthew Schaefer, PE – Associate Principal and lead mechanical engineer
Alexander Authie – Senior Project Engineer and lead energy modeler

AMA Group is a full-service engineering firm with a specialty in supporting broadcast, media and production facilities, including television and film production. Based on the industry knowledge gained over 20 years in supporting multiple production facilities, we are able to advise on industry standards, best practices, and many aspects of facilities operations.

As discussed in the memorandum prepared by AMA that is included as Appendix FEIR-9 of the Final EIR, AMA reviewed the energy analysis in Section IV.C, Energy, and Appendix D of the Draft EIR as well as the supplemental energy analysis that was prepared in response to public comments, and AMA confirms that the analyses are accurate, based on substantial evidence and conservative assumptions, and consistent with CEQA and City policy, and that the Draft EIR correctly concluded that energy impacts would be less than significant.

Very truly yours,

A handwritten signature in black ink that reads "James Brandt".

James Brandt, PE, LEED AP
Managing Principal



James Brandt, PE

Managing Principal | LEED AP | Mechanical

James has risen from a mechanical design engineer to managing principal in his 20+ years in the industry and now assists in running the day-to-day operations of the New Jersey office and is the firm's lead recruiter in acquiring new talent. He has collected a broad range of experience in project types such as broadcast, TV/film production facilities, corporate headquarter projects, building infrastructure upgrades, retail and residential construction. James has been involved with many forward-thinking projects that utilize new sustainable and energy-efficient solutions. He is hardworking and always willing to take on new and challenging design projects.

CONTACT INFORMATION

jbrandt@amagroupusa.com
937.805.4302

EDUCATION

Pennsylvania State University
Bachelor of Architectural Engineering,
1999
University of Leeds

CAREER EXPERIENCE

2002 to Present

AMA Group

1998 to 2002

Ballinger

1997 to 1998

Pennsylvania State University
- Office of Physical Plant

KEY PROJECT EXPERIENCE

Steiner Studios

Brooklyn, NY | 150,000 sf

WWE Headquarters

Stamford, CT | 1,000,000 sf

NBCU Boston Media Center

Needham, MA | 50,000 sf

NBCU Brokaw News Center

Universal City, CA | 150,000 sf

NBC Sports Group

Stamford, CT | 300,000 sf

KDKA TV/CBS

Pittsburgh, PA | 20,000 sf

PROFESSIONAL MEMBERSHIPS

CoreNetNJ Member



Arthur Metzler, PE

Principal-In-Charge | President

Arthur founded AMA in 2000 to provide a distinctive list of clients with a higher level of attentive service along with high quality and innovative technical work product. During his 30+ years in the business, time spent with a small firm enabled him to develop expertise in the design and management of multiple disciplines while time spent with a large firm enabled him to gain an understanding into the business and develop lasting relationships with many companies, both small and large, in the construction community. Arthur has worked on a wide variety of projects but has developed a specialty niche within the entertainment field for all types of technical facilities - Network Television, Cable Television, Radio, Recording, Production, and Post-Production.

CONTACT INFORMATION

ametzler@amagroupusa.com
212.404.5800

EDUCATION

New York School of Law

Juris Doctorate of Law, 1994

Villanova University

Bachelor of Science, Mechanical Engineering

CAREER EXPERIENCE

2000 to Present

AMA Group

1992 to 1999

Edwards + Zuck PC

1986 to 1992

Thomas A. Polise CE

KEY PROJECT EXPERIENCE

Pier 94 Studio Complex

New York, NY | 277,000 sf

Steiner Sequel Stages

Brooklyn, NY | 730,000 sf

Echelon Studios

Los Angeles, CA | 1,000,000 sf

Manhattan Center Studios

New York, NY | 25,000 sf

Steiner Studios

Brooklyn, NY | 1,000,000 sf

Ranch Lot Studios

Burbank, CA | 926,000 sf

8th + Alameda Studios

New York, NY | 80,000 sf

NBCU Telemundo

Miami, FL | 450,000 sf

PROFESSIONAL LICENSES

Licensed to provide MEP services in 40 states



James Jordan, PE

Principal | Lead Electrical Engineer

James has 20+ years of experience in the design and construction of electrical and fire alarm systems for major renovations and new construction. His prime market sectors include broadcast facilities, commercial office space, high-rise residential, health care, and educational buildings. He serves as project manager for large commercial and complex technical projects and oversees the process from project kickoff through client move-in. James serves as the Lead Electrical Engineer and is responsible for the internal quality assurance and quality control processes.

CONTACT INFORMATION

jjordan@amagroupusa.com

D. 310.846.4307

M. 516.287.3832

EDUCATION

University at Buffalo

Master of Business Administration

University at Buffalo

Bachelor of Science, Electrical Engineering

CAREER EXPERIENCE

2014 to Present

AMA Group

2003 to 2014

Lakhani + Jordan Engineers

2000 to 2002

WSP Group/Flack + Kurtz

KEY PROJECT EXPERIENCE

Netflix

Fort Monmouth, NJ | 2,000,000 sf

Television City

Los Angeles, CA | 1,800,000 sf

Steiner Studios

Brooklyn Navy Yard, NY | 700,000 sf

CBS/WBZ-TV

Boston, MA | 60,000 sf

WWE

Stamford, CT | 300,000 sf

CNBC

Englewood Cliffs, NJ | 350,000 sf

KFOR News Channel 4

Oklahoma City, OK | 40,000 sf

Univision

Teaneck, NJ | 10,000 sf



Matthew Schaefer, PE

Associate Principal | Lead Mechanical Engineer

Matthew has over 15 years of experience in the MEP and energy consulting fields. He has been involved with many project types, including renovations and new construction and is the lead mechanical engineer and project manager on projects including commercial, creative office space, hospitality, educational, broadcast and production facility/studio projects. Matt began his career in the New York/New Jersey region where he started with AMA in the New Jersey office and now works from our Los Angeles office.

CONTACT INFORMATION

mschaefer@amagroupusa.com
310.846.4669

EDUCATION

Rutgers University

Master of Engineering

New Jersey Institute of Technology

Bachelor of Science, Mechanical Engineering

CAREER EXPERIENCE

2012 to Present

AMA Group

2011 to 2012

Robert Derector Associates

2010 to 2011

Ben Horten Architecture + Design

2008 to 2010

Rutgers University

Center for Advanced Energy Systems

KEY PROJECT EXPERIENCE

NFL Media at Hollywood Park

Inglewood, CA | 220,000 sf

Warner Bros. The Ranch Lot Studios

Burbank, CA | 1,000,000 sf

TikTok Headquarters / Production Space

New York, NY | 156,000 sf

NBC TV7 Kearny Mesa

San Diego, CA | 60,000 sf

MSG Sphere Studios

Burbank, CA | 30,000 sf

NBCU KBLR

Las Vegas, NV | 22,000 sf

PROFESSIONAL LICENSES / AFFILIATIONS

Licensed Professional Mechanical Engineer, CA

American Society of Heating Refrigeration & Air Conditioning Engineers



CONTACT INFORMATION

aauthie@amagroupusa.com
310.846.4660

EDUCATION

University of Perpignan Via Domitia
Masters Degree, Engineering for Materials
and Solar Energy

University of Perpignan Via Domitia
Bachelor of Science, Engineering for
Materials and Renewable Energy

CAREER EXPERIENCE

2021 to Present

AMA Group

2020 to 2021

K2D Consulting Engineers

Alexandre Authie, CEA

Senior Project Engineer | Lead Energy Model Designer

Alexandre is an energy modeling and sustainability engineer with a master's degree in Energy Engineering. He joined AMA in 2021 and has been developing his technical skills and gaining broad experience with emergent technologies and strategies to save energy in buildings. He has a strong knowledge of building systems and energy modeling for LEED certification and Title 24 compliance, IECC compliance and decarbonization (local Law 97), as well as energy and daylighting analysis. His portfolio includes both new construction and renovations for mixed-use, high-rise and single-family residential, retail, production studio/media, and creative office clients.

KEY PROJECT EXPERIENCE

Netflix Master Plan

Fort Monmouth, NJ | 2,600,000 sf

Echelon Studios

Los Angeles, CA | 1,000,000 sf

Warner Bros. The Ranch Lot Studio + Production

Burbank, CA | 326,000 sf

PGA Tour Media Center

Ponte Vedra, FL | 150,000 sf

NBCUniversal Amenity Building

Universal City, CA | 75,000 sf

IEG Media

Santa Monica, CA | 10,000 sf

PROFESSIONAL AFFILIATIONS / CERTIFICATIONS

Residential CEA (Certified Energy Analyst)
LEED AP BD+C Accredited
Fitwel Ambassador
ASHRAE SoCal Chapter, Chair Member
USGBC-LA, Member
USGBC Badges
Building Data Analytics, Carbon, Indoor Air Quality,
Renewable Energy, Energy Efficiency



MEMORANDUM

TO: Eyestone Environmental

FROM: Patrick A. Gibson, P.E., T.E., PTOE
Jonathan Chambers, P.E.

DATE: July 17, 2023

RE: GTC Professional Experience and Statement of Responsibility
for the TVC Environmental Impact Report
Los Angeles, California

Ref: J1750a

Gibson Transportation Consulting, Inc. (GTC) prepared the Transportation Assessment and the transportation portions of the TVC 2050 Project (Project) Draft and Final Environmental Impact Reports (EIRs).

FIRM BACKGROUND

GTC is a transportation engineering and planning firm that specializes in the preparation of transportation impact reports and the evaluation of proposed new development projects and expansions of existing projects. Our technical work and reports are typically included as part of a project's Draft and Final EIRs. We also prepare technical responses to public comments on the Draft EIRs, and we often present the analysis results to public decision makers on planning commissions and city councils.

KEY GTC STAFF

The transportation technical work on the Project was led by Patrick A. Gibson, Principal Associate, and Jonathan Chambers, Senior Associate, who have over 70 years of combined experience in the preparation of traffic and transportation impact assessments for new and expanding development projects.

Patrick A. Gibson, P.E., T.E., PTOE has over 50 years of professional experience and founded GTC in 2009. He has prepared transportation impact analyses for some of the largest and most controversial development projects in California since moving to the state in 1973. These include Playa Vista in Los Angeles and several large mixed-use projects, office, retail, and residential projects in Southern California. He has been Disney's transportation consultant in Southern California since the 1980s, preparing studies for studio and theme park projects in Anaheim, Burbank, Glendale, and Santa Clarita.

Pat prepared the transportation portions of master plans for NBCUniversal Studios in Universal City (Los Angeles County); Paramount Pictures Studios in Los Angeles; Shadowbox Studios in Santa Clarita and Atlanta, Georgia; Disney's Golden Oak Ranch in Santa Clarita; film and television studios in Hollywood and Los Angeles; and smaller independent studios in Culver City, Glendale, Hollywood, and Los Angeles. He has prepared master plans and traffic analyses for studio and theme park projects in China, Dubai, Singapore, and Taiwan. Pat holds California Professional Engineering registrations in Civil Engineering and Traffic Engineering, as well as a national registration as a Professional Traffic Operations Engineer.

Jonathan Chambers, P.E., is a Senior Associate of GTC, joining the firm at its founding in 2009. He has over 17 years of experience analyzing the transportation elements of major Southern California development projects. He is currently leading the transportation elements of an update to the master plan for The Disneyland Resort in Anaheim, California. He was a member of the technical team developing the master plan for a film and television studio in Hollywood and he participated in the master plan development at NBCUniversal Studios. He led the transportation portions of the master plan development for Exposition Park in Los Angeles including detailed technical analyses of the overall park, the Lucas Museum of Narrative Art, Los Angeles Memorial Coliseum, and BMO Stadium. He has developed master plans for the University of Southern California University Park and Health Sciences campuses. Jonathan is a registered Traffic Engineer in California.

Pat and Jonathan were assisted in the preparation of the transportation analyses and the responses to public comments by Casey Le, P.E., Senior Associate. Casey has extensive experience in studio and major development transportation analyses, including film and television studios in Hollywood and Los Angeles and campus, stadium and theme park projects in Anaheim, Hollywood, and Los Angeles. Casey is a registered Civil Engineer in California.

Resumes are provided in the Attachment.

GTC PROJECT ROLE

GTC has been involved in the preparation of the Project since 2019. We are responsible for the analysis and preparation of the Transportation Assessment included in the Draft EIR (Appendix M of the Draft EIR). To prepare this document, we worked closely with the Los Angeles Department of Transportation (LADOT), which reviewed the final document and approved its findings in an Assessment Letter provided as Appendix M.2 to the Draft EIR. We led the preparation of the responses to public comments related to transportation topics, including, among others, trip generation, vehicle miles traveled (VMT), transit, transportation demand management, and parking.

The Transportation Assessment itself was divided into two parts, as required by LADOT's *Transportation Analysis Guidelines* published in July 2020. The first part of the Transportation Assessment included the analyses related to the evaluation of the potential CEQA environmental impacts of the Project, with a primary focus being the calculation of the VMT of the Project and its consistency with regional and local plans governing development in accordance with Appendix G of the CEQA Guidelines. The second portion of the Transportation Assessment analyzed the Project's non-CEQA operational effects on traffic operations of the roadway, transit, bicycle, and pedestrian systems serving the Project Site. Both portions of the analysis were reviewed and approved in LADOT's Assessment Letter.

The Transportation Assessment was included in the Draft EIR as Appendix M.1. The transportation analysis in Section IV.K, Transportation, of the Draft EIR was based on the CEQA portion of the Transportation Assessment. GTC reviewed Section IV.K, Transportation, of the Draft EIR prior to the publication of the Draft EIR and we concur with the analysis, methodology and conclusions therein.

The Draft EIR transportation analysis also included the results of a supplemental VMT analysis conducted by GTC to test the potential VMT impacts of the maximum impact land use scenarios that would be allowed under the Land Use Exchange Program included in the proposed Specific Plan. The supplemental analysis was also reviewed and approved by LADOT. The supplemental VMT analysis memo and LADOT's approval of the analysis are provided in the Draft EIR as Appendices M.3 and M.4, respectively.

GTC also prepared the Project alternatives transportation analyses that were incorporated in Section V, Alternatives, of the Draft EIR.

Our work also covered the preparation of responses to transportation-related public comments on the Draft EIR. The transportation comments were extensive and, to avoid duplications of responses, a series of transportation-related Topical Responses were prepared. In that way, comments on the same subject could be referred back to the transportation-related Topical Responses covering that particular topic. In addition, responses were prepared to 734 individual comments contained in 313 individual letters including comment letter numbers 5, 9, 10, 11, 16, 20, 26, 28, 32, 34, 35, 41, 44, 46, 47, 49, 52, 54, 55, 57, 59, 64, 65, 68, 73, 75, 76, 78, 79, 83, 84, 85, 87, 90, 92, 95, 96, 97, 99, 100, 102, 103, 106, 107, 108, 111, 112, 114, 115, 116, 117, 118, 121, 122, 123, 124, 125, 127, 129, 130, 131, 133, 134, 135, 136, 137, 138, 140, 142, 143, 145, 149, 152, 153, 155, 157, 159, 162, 164, 166, 167, 168, 171, 172, 175, 176, 178, 179, 182, 183, 184, 188, 189, 190, 192, 194, 200, 201, 202, 203, 204, 205, 206, 207, 209, 210, 212, 217, 218, 219, 222, 226, 227, 231, 232, 234, 236, 237, 238, 239, 241, 243, 244, 245, 246, 250, 253, 254, 255, 256, 257, 258, 259, 261, 262, 263, 264, 266, 270, 274, 275, 276, 277, 279, 280, 286, 287, 290, 291, 292, 293, 295, 296, 297, 298, 299, 300, 301, 303, 304, 305, 308, 311, 312, 313, 316, 318, 319, 321, 323, 324, 326, 328, 329, 330, 333, 334, 336, 337, 341, 342, 343, 346, 347, 352, 353, 355, 356, 359, 362, 364, 367, 370, 372, 373, 375, 379, 381, 382, 384, 386, 390, 391, 392, 396, 398, 399, 405, 408, 409, 410, 413, 414, 421, 425, 426, 427, 428, 431, 433, 434, 435, 436, 439, 443, 444, 445, 448, 451, 452, 453, 454, 455, 457, 460, 465, 466, 467, 469, 470, 471, 472, 473, 474, 432, 483, 485, 486, 487, 491, 493, 494, 496, 497, 500, 502, 504, 505, 506, 509, 515, 518, 520, 522, 523, 527, 530, 533, 534, 536, 538, 541, 545, 546, 547, 548, 550, 552, 555, 556, 557, 558, 559, 562, 564, 565, 571, 572, 573, 574, 575, 578, 580, 581, 582, 585, 587, 589, 590, 596, 598, 599, 600, 603 and 605. GTC prepared the transportation-related Topical Responses and the individual responses, which were in turn reviewed and edited by staff of the Los Angeles Department of City Planning.

As part of the responses to comments, GTC prepared supplemental analyses to further explain the data presented in the Draft EIR. These supplemental analyses are included in the transportation-related Topical Responses and cover items such as:

- the movement of trucks in/out of the Project Site
- the number and allocation of construction trucks
- the number of audience visitor trips

- queuing analysis at the Project driveways
- empirical traffic counts at the current Project Site driveways
- a comparison of the empirical traffic counts at the Project driveways to the trip generation rates used in the analysis
- on-site parking demand

Two technical memos addressing the derivation of the driveway queuing analysis and the presentation of the driveway count data collected at the Project Site in September 2019 were added to the Final EIR.

The transportation analysis in the Draft EIR was sufficient and complied with CEQA and City policy, and the Draft EIR correctly concluded that the Project's potential transportation impacts would be less than significant during both construction and operation. All of the supplemental transportation analyses and more detailed information included in the Final EIR was provided for informational purposes in response to public comments on the Draft EIR.

During the development of the Draft EIR and since its publication, GTC has been meeting with neighbors, neighborhood groups, and organizations to explain the transportation elements of the Project, answer questions, and listen to concerns. It is estimated that GTC staff have participated in over 25 such presentations.

GTC CONFIRMATION

GTC confirms the factual and technical accuracy of the assumptions, methodologies, and conclusions in the EIR analyses and in the responses to comments. As stated above, the transportation-related Topical Responses contain additional analyses intended to further explain the conclusions of the Draft EIR and do not result in any changes to the transportation conclusions in the Draft EIR.

Sincerely,



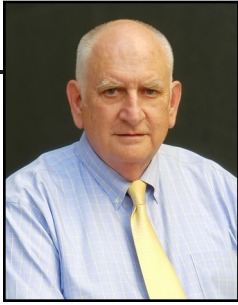
Patrick A. Gibson, P.E., T.E., PTOE
Principal Associate
California Registered Professional Engineer – Civil Engineer 23598
California Registered Professional Engineer – Traffic Engineer 545
National Registered Professional Traffic Operations Engineer 363



Jonathan Chambers, P.E.
Senior Associate
California Registered Professional Engineer – Traffic Engineer 2630

Attachment

Resumes



Patrick A. Gibson, P.E., PTOE

Principal Associate

EXPERIENCE

50+ Years

EDUCATION

Master of Science,
Transportation Engineering,
Northwestern University

Bachelor of Science,
Engineering Science,
Oakland University

CERTIFICATIONS

Civil Engineer, States of
California, Arizona, Illinois,
and Nevada

Traffic Engineer,
State of California

Professional Traffic
Operations Engineer,
National Registration

AFFILIATIONS

Institute of
Transportation Engineers,
Fellow, Life Member

Committee Member on
Design of Regional
Shopping Centers

PUBLICATIONS

*Shared Parking,
1st and 2nd Editions,*
Urban Land Institute and
International Council of
Shopping Centers

*Parking Requirements
for Shopping Centers,
2nd Edition*
Urban Land Institute and
International Council of
Shopping Centers

*Fast Food Restaurant
with Drive-Through
Pass-by Travel Survey*
Presented at Institute of
Transportation Engineers
Intermountain Section
Meeting, May 2011

Pat Gibson has over 50 years of experience in preparing traffic and parking analyses for both public and private sector projects, including mixed-use projects, event centers and stadia, theme parks, movie studios, schools and universities, hospitals and medical centers, office buildings, shopping centers, residential projects, and industrial uses.

Current and recent projects include Angel Stadium, Century City Center, The Disneyland Resort®, Dodger Stadium, Dubailand Theme Parks, The Huntington Library, LAX Northside Plan Update, Levi's Stadium, Lucas Museum of Narrative Art, Paramount Pictures Studios, The Village at Westfield Topanga, Universal Studios Hollywood, University of Southern California, the Veterans Administration Long Beach Healthcare System, and Wilshire Grand Center. Pat also currently serves as the City Traffic Engineer for the City of Monrovia, California.

Other current projects include The Citadel, Santa Clara Square, Sportsmen's Lodge, Terminal Annex, Tustin Marketplace, and Union Station, as well as numerous projects in Burbank, Commerce, Glendale, Los Angeles, Newport Beach, Pasadena, and Temecula. Pat completed studies for ABC's Golden Oak Ranch, California Polytechnic University, Pomona, Irvine Spectrum Center, Los Angeles Memorial Coliseum, Los Angeles Streetcar, Millenia Town Center, STAPLES Center, University of Redlands, Westfield Santa Anita, Westfield Valencia Town Center, and theme parks in China and Dubai, UAE. Pat is currently leading the transportation analyses for the addition of over 4,000 dwelling units to the existing 2 million+ square foot Bishop Ranch in San Ramon, California.

Pat has directed parking needs, feasibility, and functional design studies, as well as numerous shared parking and parking financial analyses, throughout the United States, including over 50 downtown parking studies, such as the Downtown San Jose Parking Management Plan, Downtown Pomona Parking Management Plan, and downtown parking studies for Arcadia, Beverly Hills, Brea, Buena Park, Fullerton, Long Beach, Los Gatos, Monrovia, Pasadena, San Diego, Temecula, and Whittier, California.

Pat began his career in Chicago, where he specialized in studies for regional shopping centers across the United States, new town transportation planning for towns in the Midwest and Canada, and large-scale traffic safety studies for the federal government. Pat came to California, first to San Jose and then to Southern California, to run his company's traffic engineering and transportation planning practice.

Pat co-authored both editions of Shared Parking as well as Parking Requirements for Shopping Centers, 2nd Edition for the Urban Land Institute and International Council of Shopping Centers.

Pat was named Outstanding Transportation Educator by the Institute of Transportation Engineers Western District and was twice named Civil and Environmental Engineering Department Lecturer of the Year at the University of California, Los Angeles.



Jonathan Chambers, P.E.

Senior Associate

EXPERIENCE

17 Years

EDUCATION

Bachelor of Science,
Electrical Engineering,
University of Southern
California

CERTIFICATIONS

Traffic Engineer,
State of California

AFFILIATIONS

Urban Land Institute

Jonathan Chambers has extensive experience providing transportation engineering and planning services. He has worked on a wide range of public and private sector projects throughout Southern California, including the University of Southern California Master Plan, 1111 Sunset, One Beverly Hills, District NoHo, the Lucas Museum of Narrative Art, and Century City Center.

He has participated in many aspects of transportation and parking planning for The Disneyland Resort® in Anaheim, including transportation impact analysis, traffic operations analysis, transit and rideshare accommodations, parking demand management, signage and wayfinding, and parking pricing. He was extensively involved in the parking and circulation plan for Dodger Stadium that was developed to maximize the efficiency of the parking and to streamline vehicular operation within the park. He has worked on transportation-related aspects of event management, including plans for Levi's Stadium and Los Angeles Memorial Coliseum.

Jonathan developed multi-modal (pedestrian, bicycle, vehicle, commercial) circulation and safety studies for Keck Hospital of USC and the USC University Park Campus and participated in a successful three-day planning charrette to modernize downtown Fairfax, Virginia and improve connections between downtown and George Mason University.

Jonathan conducted the traffic studies for Project Study Reports to widen the US 101 – SR 134 interchange and construct a new on-ramp from Universal Studios Boulevard to US 101 and he developed conceptual drawings of freeway ramp and interchange improvements along SR 110 and I-5 in Los Angeles.

Other key projects include ocV!BE, the LAX Northside Plan, Burbank Airport Terminal Replacement Project, Paramount Pictures Master Plan, Vermont Corridor Redevelopment Plan, and the Bakersfield Commons Master Plan.

A native of Southern California, Jonathan graduated from the University of Southern California with a degree in Electrical Engineering before switching his career focus to transportation.



Casey Le, P.E.

Senior Associate

EXPERIENCE

9 Years

EDUCATION

Bachelor of Science,
Civil Engineering,
University of California,
Los Angeles

CERTIFICATIONS

Civil Engineer,
State of California

AFFILIATIONS

Institute of
Transportation Engineers

Casey Le has conducted a variety of transportation impact, parking, site access, and circulation studies that required analysis of intersections, freeways, alternative transportation modes, construction periods, and field data collection.

Casey is currently conducting technical analyses for various studio and creative office developments in Los Angeles including both large campus expansions and new developments. Ongoing projects include studies for The Disneyland Resort®, the Hollywood Bowl, and Los Angeles Valley College, as well as a multitude of mixed-use and transit-oriented developments throughout the area such as Angels Landing, Buena Vista, and the Vermont Manchester Transit Priority Project, among other similar uses in Hollywood, Chinatown, and Downtown. Casey prepared technical analyses and parking and/or traffic studies for mixed-use developments within the cities of South Pasadena and Torrance and for a master plan development in the City of San Ramon. Casey also conducted transit and arterial analyses for a large-scale city-wide traffic congestion improvement program and for a neighborhood traffic management plan in Los Angeles. Other current and recent projects include studies for the University of Southern California Health Sciences Campus; Irvine Spectrum Center; Crossroads Hollywood; College Station; Westfield Promenade; The Citadel Outlets; California State Polytechnic University, Pomona; and California State University, Los Angeles.

Prior to joining GTC, Casey served an internship at The Irvine Company, where she performed travel time studies, arranged designated signage, and provided a new shuttle design for the shuttle service operations at Fashion Island Shopping Center.

Before graduating from the University of California, Los Angeles with a degree in Civil Engineering, Casey worked with the Luskin Center for Innovation at the University to assist in piloting research design to explore the traffic conditions in downtown Los Angeles.

To: Eyestone Environmental

From: Daniel Packer, Vice President, AECOM Hunt

Date: July 24, 2023

Re: Professional Experience and Statement of Responsibility for TVC EIR

I am a licensed Classification B - General Contractor in the state of California, and I have over 22 years of experience in the construction industry, particularly in building large, complex commercial building projects. I have experience in providing technical assistance for large projects during the entitlement and planning phase of the project. I am a Vice President at AECOM Hunt in Downtown Los Angeles. I have been with AECOM and its legacy companies for over 15 years, with over 11 years in Los Angeles.

AECOM is a full-service construction and engineering firm where we offer full construction management and design-build services. My colleagues who worked on the TVC Project EIR analyses, reports and responses to comments include Eric Schreiner, Executive Vice President, and Kevin Doetzel, Senior Project Manager at AECOM Hunt. Eric Schreiner has over 35 years of construction experience including multiple building types including sports, entertainment and convention facilities, studio campuses, luxury residential, hospitality, multi-family, office, and mixed-use. He currently serves as the Southern California Operations Manager for AECOM Hunt, overseeing all ongoing projects in the SoCal area, both on the ground and in preconstruction. Kevin Doetzel brings over 15 years of experience in Project Management and another 15 years as a licensed Structural Engineer. His area of expertise lies in the management and general contracting of projects containing difficult geological, structural and logistical aspects that require a thorough understanding of the design drawings used to provide construction direction.

I have been involved in the development and construction of numerous high-rise structures and large-scale projects including the City Center project in Las Vegas, which at the time was the largest privately funded construction project in the history of the United States. Other types of projects I have worked on include casinos, hotels, theaters, sports arenas, higher education facilities, pharmaceutical facilities, high-rise residential and low-rise residential.

AECOM Hunt collaborated with the design team, the entitlement team and Television City to provide technical assistance related to overall construction logistics, sequencing, scheduling, budgeting, and other construction issues. This included but was not limited to developing and confirming haul routes, quantifying excavation volumes, locating staging areas for construction equipment, parking plans for construction workers and provisions for determining manpower and construction equipment projections for all phases of the project. The information provided by AECOM Hunt was incorporated into the EIR and was used to analyze the environmental impacts of the Project. In our opinion, the EIR analyzed conservative construction scenarios related to the Project.

The deliverables for our contribution to the EIR included, but were not limited to, the following:

- Preliminary Construction Information for Entitlement Analysis
- Manpower projections for single phase construction
- Manpower projections for 20-year construction plan
- Equipment projections for single phase construction
- Equipment projections for 20-year construction plan
- Proposed Haul Route Maps
- Proposed Dewatering Well Location Map
- Preliminary Excavation Sequences
- Preliminary Sound Wall configurations
- Preliminary ROW Encroachment Plan
- Preliminary Construction Worker Parking Diagram
- Auger Cast Pile impact diagrams
- AECOM prepared responses to approximately 147 comments covering topics related to truck quantity and routes, dewatering, noise mitigation, construction worker hours and parking and other construction related issues. Where possible, responses consistent with a specific issue were grouped into Topical Responses. The Comment Letter Nos. include the following: 5, 11, 26, 35, 45, 49, 54, 64, 68, 73, 77, 78, 118, 123, 124, 129, 134, 135, 140, 154, 157, 164, 166, 183, 202, 206, 207, 209, 211, 219, 223, 231, 236, 241, 244, 247, 254, 257, 259, 263, 264, 273, 279, 280, 285, 293, 303, 308, 310, 313, 321, 323, 326, 327, 328, 329, 330, 334, 336, 341, 342, 343, 344, 356, 359, 369, 373, 379, 381, 391, 393, 394, 403, 415, 422, 427, 434, 439, 451, 465, 469, 471, 473, 476, 483, 487, 502, 520, 523, 535, 541, 562, 564, 580, 582, 583, 585, 590, 599 and 605.
- AECOM also reviewed and approved the construction assumptions included in the Details of Building and Construction appendix, and Noise Memorandum appendix.

In conclusion, we confirm the factual and technical accuracy of the assumptions, methodologies and conclusions in the analyses and in the responses to comments that have been prepared.



Daniel Packer
Vice President
AECOM Hunt
CA B License - 322670

Daniel J. Packer
Vice President
AECOM Hunt/ AECOM Tishman

Education

BA/Architectural Engineering, Pennsylvania State University
MA/Architectural Engineering, Pennsylvania State University

Professional Credentials

CA General Contractor's License, B Classification
Certified CPR, First Aid
OSHA 10
OSHA 30
E.I.T. – Engineer in Training Certificate

Years of Experience

22

Summary

Daniel has over 22 years of experience in the construction management industry, which includes hotels, casinos, theaters, high rise condominiums and complex, large-scale projects. He has been with AECOM Tishman for eight years.

Project Experience with AECOM

Television City Preconstruction, Los Angeles, CA: This mixed-use project in the Fairfax District of Los Angeles consists of the redevelopment of the historic CBS Television City Studio property. Situated on 25 acres, the new development will preserve some of the iconic buildings/studios as well as provide additional studios, production offices, creative office buildings, basecamp, and parking. Daniel is serving as Vice President of construction for this project.

One Beverly Hills Luxury Residences, Beverly Hills, CA: Preconstruction services for a 1.8 million SF mixed use project consisting of Norman Foster designed hotel and residential buildings, including a 50,000 SF conference center and a 13.7-acre, 567,000 SF, on-structure parkland and gardens. Daniel led the preconstruction effort and entitlement support for construction data from 2019 to 2022.

District NoHo, North Hollywood, CA: Preconstruction services on a mixed use, transit oriented project that includes multiple low-rise and high-rise residential buildings, as well as retail and office space. This phased development will deliver 60,000 SF of retail, 445,000 SF of office, and 1,481 residential units at its completion. Daniel is currently serving as Project Executive during the entitlement phase.

1111 S. Hill Street, Los Angeles, CA: Preconstruction services for a new 493,677 SF, 42-story project with 316-condo units and a 161-key hotel, as well as a 385-parking spaces, two-story below-grade garage, and six-levels above-grade. Additional amenities include an outdoor pool, fitness center, business center on Level 7, 2,236 SF of retail space, and a landscaped rooftop patio on level 42. Daniel served as Project Director for preconstruction and entitlement support.

Radford Studio Center - Preconstruction, Studio City, CA: Preconstruction for improvements to 1.14 million-SF of existing studio space, located on 55 acres in Studio City.

The scope of modernization includes campus renovation and modernization utilizing current zoning; parking facilities; stage additions or expansions; production office additions or expansions; production support additions or expansions; and site and offsite improvements. All improvements will be constructed in an operating campus and phased. Daniel is currently assisting the team with entitlement support.

Arts District Condos and Hotel Preconstruction, Los Angeles, CA: Preconstruction for a 12-story, 129-condo and 113-key hospitality center. Includes 80K SF of retail space with a public art plaza and 513 parking spaces. Daniel is currently serving as the Project Executive.

CityCenter, Las Vegas, NV: AECOM Tishman served as Executive Construction Manager overseeing the construction of this \$8-billion, 18-MSF mega-development across 67 acres in the heart of the Las Vegas Strip. It includes a 61-story, 4,000-room centerpiece hotel and casino, plus six buildings housing approximately 2,300 additional hotel rooms, 900 private residences, 500,000 SF of dining, entertainment and retail, as well as a dedicated electrical substation and independent central plant servicing the entire project. A collaboration of eight world-renowned architects, CityCenter is the largest LEED-certified project in the world, achieving Gold certification. Daniel worked on various aspects of this mega project over the course of 5 years as both a General Contractor and Construction Manager.

888 North Douglas Preconstruction, El Segundo, CA: Preconstruction for a 25-acre site in El Segundo including new creative office buildings, parking and extensive site and landscape upgrades. Daniel serves as Project Executive.

Vara - 1233 S Grand Avenue Preconstruction, Los Angeles, CA: A 21-story residential tower with 161-units, 295,000 GSF of residential space and 2,000 SF of retail space, including 237-parking spaces on six levels, two below grade and four above. Building amenities include an outdoor landscaped space, a fitness center and landscaped roof top deck with a pool, indoor and outdoor kitchens and dining spaces. Daniel serves as Project Executive.

AVEN at South Park, Los Angeles, CA: This 38-story, 536-luxury unit apartment building with approximately 10,000 SF of ground floor retail, 801-parking spaces, two amenity decks and restaurant space was completed in 2019. AVEN is a part of a \$750 million mixed-use community was developed in the South Park neighborhood of Los Angeles. Daniel managed the day to day construction of this project from 2016 to 2019.

WREN at South Park, Los Angeles, CA: This \$85 million, 515,000 SF component of the \$750 million mixed-use community being developed in the South Park neighborhood of Los Angeles was completed in 2017. The project features a pair of seven-story structures with 362-rental units. Daniel managed the day to day construction of this pair of seven-story structures located on Pico Boulevard between Olive and Hill Streets.

Hyatt Place Downtown LA, Los Angeles, CA: A 16-story, 145,000 SF, 258-key, select service hotel project, with retail space, meeting rooms, exercise room, exterior spaces at multiple levels and a bar. A 258 key, 16-story select service hotel project. It will include retail space, meeting rooms, exercise room, exterior spaces at multiple levels and a bar. Daniel served as Project Executive for the project throughout the preconstruction process.

Additional Experience

University of Southern California, Los Angeles, CA: As a direct employee of the University, Daniel managed all aspects of design, planning and construction for various projects including athletic fields, research buildings, office space, medical, imaging space and academic buildings ranging from \$2 Million to over \$250 million in construction value.

Comcast Center Arena, College Park, MD: University of Maryland's \$110 million, 17,000-seat Comcast Center Arena.

Merck Pharmaceutical Vaccine Production Facility, West Point, PA: \$105 million vaccine production facility for Merck Pharmaceutical Company.

NVR, Inc., Montgomeryville, PA: Oversaw the construction of condominiums, single family homes and townhomes. Mr. Packer's involvement included weekly budget reviews, materials management, scheduling and supervising subcontractors, and interacting with owners during all phases of the construction, through project close-out and warranty periods.

William Penn Charter School, Philadelphia, PA: \$15 million site improvements project including a new school building for the William Penn Charter School.

Kevin Doetzl

Senior Project Manager

Education

Master of Science (MSc)/Civil Engineering, University of Kansas

Bachelor of Science (BS)/Architectural Engineering, University of Kansas

Professional Credentials

Professional Engineer (PE) - State of California (Inactive)

OSHA 10-hour Construction Safety Training

OSHA 30-Hour Construction Safety Training

Safety Qualified Supervisor

CPR/First Aid

Years of Experience

30

Summary

Mr. Doetzl has been working in the construction industry since 1992. He is a true professional with a deep engineering and construction history in large civic and commercial projects. His knowledge covers a range of construction related tasks including pre-construction, budgets, forecasts, schedule, subcontracts and subcontractor/owner management.

Hayden Place Office Building, Culver City, CA: AECOM Hunt is serving as Construction Manager for the development of 230,000 SF creative office building on a 2.67-acre site. The building includes three levels of below-grade parking for 750 cars, outdoor amenity spaces and amenity decks. Kevin serves as Project Director.

Television City Studios, Television City, CA: Served as Preconstruction Manager for general contractor.

Radford Studio Campus, Studio City, CA: Served as Project Director for general contractor.

Glendale Studios, Glendale, CA: Assisted ownership team with construction consulting services focusing on Schedule Recovery following a steel roof collapse. Served as Project Director for general contractor.

Headline Studio, Los Angeles, CA: Served as Senior Construction Manager - Structures for general contractor.

The Aurela, Garden Grove, CA: Served as Senior Construction Manager - Structures for general contractor.

US Open 2023, Beverly Hills, CA: Assisted the US Golf Association with procurement and installation of a temporary pedestrian bridge spanning 115-feet across Wilshire Boulevard. Innovative design utilized off-the-shelf componentry borrowed from nearby outdoor amphitheater. Served as Project Director for general contractor.

United Airlines LAX East Aircraft Maintenance & GSE Complex, Los Angeles, CA: A 420,837 SF aircraft maintenance hangar & ground support equipment (GSE) complex. Construction included a hangar to accommodate two wide-body aircraft, a GSE maintenance

facility and apron paving. Kevin served as Senior Construction Manager.

Westfield Century City Mall, Beverly Hills, CA: Responsible for subterranean upgrades to an operating two-story below grade parking structure to allow a vertical expansion which doubles the existing retail space through the use of micro piles and fiber wrapped structural elements. Development included abatement and demolition of a 13-story 1960s-era high rise which was partially occupied during demolition. Conducted initial due diligence studies required to develop a successful construction plan. Studies covered sound impacts, crane support and access, material deliveries and construction sequence/phasing within an operating facility. Initiated contractor input into design reviews and recommended conclusions for incorporation into Construction Documents aimed at increased value and/or improved construction schedule. Authored and managed Requests for Proposal for abatement, demolition, abatement monitoring, temporary power, testing/inspections, hoisting, structural concrete and steel, vertical transportation and site retention. Supervised implementation of same scopes. Reviewed proposals, recommended contractor selection, initiated and finalized contract negotiations. Scopes of work amount to \$100M+ of \$360M construction costs. Consulted with geotechnical and acoustical advisors to obtain financially feasible and community friendly work plans. Kevin served as Senior Construction Manager for major retail developer.

The Rose Bowl, Pasadena, CA: Initial construction team in a multi-prime environment. Full responsibility for the buyout, contracting and construction of the foundations and lower levels of the Rose Bowl Press Box Expansion. Construction occurred within an operating facility. Scope included partial demolition of existing venue, deep foundations in a difficult and constricted setting with a substructure concrete scope using 2 superintendents, a foreman and 25 tradesmen. Successful performance led to additional scopes within the multi-prime package that doubled initial contract value. Prepared monthly pay applications, change order requests and negotiated subcontract/contract revisions in addition to monthly forecasts to division managers. Directed field activities from award through close-out, punch list and turnover. Developed and instituted solutions to financial, performance and technical project issues. Served as Project Director for general contractor.

Pauley Pavilion, Los Angeles, CA: Pre-construction contributions for an extensive upgrade one of college basketball's premier venues. Project included significant structural seismic upgrades, exterior modifications and expanded retractable seating areas, in addition to an underground locker room outside the original arena footprint connected by a subterranean tunnel. Coordinated construction sequences with development of architectural program. Conducted scope reviews, bid interviews and contracted roughly 80 subcontractors; also initiated subcontractor enrollment in the Contractor Controlled Insurance Program. Served as Preconstruction Manager for general contractor.

LA Live! Conference Center/Regal Theaters, Playa Vista, CA: Managed self-perform concrete labor for LA Live! Conference Center and Regal Cinemas, as well as metal stairs/miscellaneous metal, window washing equipment, stone, and ornamental metal scopes. Managed a crew of up to 20 tradesmen having close association with the superintendent and labor foreman. Reviewed monthly invoices and participated with pay applications, managed change order requests, contract revisions, and monthly forecasts. Led all technical coordination with other trades and suppliers. Kevin served as Project Manager for general contractor.

Baldwin Park Parking Structure, Baldwin Park, CA: Total responsibility for the buyout, contracting and construction management of \$10M, 502-space parking structure in Baldwin

Park, CA. Included management of self-performed concrete labor. Workforce included superintendent, labor foreman and up to 12 tradesmen. Prepared monthly pay applications, change order requests and negotiated subcontract/contract revisions. Managed and forecasted project costs vs budget. Coordinated with building officials/inspectors to gain necessary approvals. Managed OAC meetings. Kevin served as Project Director for general contractor.

Pepperdine University, Firestone Field House Expansion and Renovation, Malibu, CA:

Structural design services for Phase 1 and Phase 2. Phase 1 includes an 18,000 SF addition with a multi-activity court, exercise rooms, weight room, administration spaces and lobby. Phase 2 involves the renovation and seismic upgrade of 34,000 GSF to include volleyball courts with elevated interior running track, locker rooms, a climbing wall and concessions. Kevin served as Lead Structural Engineer for engineering consultant.

Prospect Heights Arena, Prospect Heights, IL: Structural design of a 12,500-seat, 360,000 SF enclosed basketball/hockey arena with a 360-foot roof span. Kevin served as Senior Structural Engineer for engineering consultant.

Soldier Field Adaptive Reuse, Chicago, IL: Served as senior structural field representative during the construction of the \$600M Adaptive Re-Use of Soldier Field which re-opened after only 20 months of construction. Pivotal contributor to this project which reconfigured the interior of the NFL's oldest stadium while preserving the historic exterior. Limits of demolition were constantly re-evaluated and confirmed against requirements for structural and historic integrity. First commercial project in the US to use BIM for steel submittal review and coordination. First NFL stadium to achieve LEED status. Managed a small field staff facilitating rapid turn-around of substructure coordination, submittals, drawing interpretation, drawing revisions and change order reviews. Successful integration at the early stages led to multiple extensions for a larger staff.

Midway Airport Terminal Redevelopment, Chicago, IL: Structural design of a major renovation of existing Terminal and Concourses. Expansion effort was the largest public works project in the state at that time. Included phased construction of 900,000 sf of terminal/concourse, 50,000 sf of food court and 6,300 space covered parking structure. Kevin served as Senior Structural Engineer for engineering consultant.

Washington Dulles International Airport, Midfield Concourse Expansion, Dulles, VA:

Structural engineering services of 12 new gates serving regional and wide-body aircraft. Includes the design and fit-out of four automated people mover stations and a new international arrivals building. An extensive retrofitting of the existing mobile lounge docks segregates international customers waiting to clear customs. Kevin served as Senior Structural Manager for engineering consultant.

Ontario International Airport, Repair and Renovation, Ontario, CA: Repair and renovation of a 14,000 SF timber security badging office that was originally built in the 1970s. The project is part of a larger effort with Los Angeles World Airports to address on-call situations on an as-needed basis. Kevin served as Senior Structural Manager for engineering consultant.

ABN AMRO Plaza, Chicago, IL: Structural design of an award-winning, 30-story high-tech office building for Chicago's second-largest bank. A thorough wind tunnel analysis was used to achieve a relatively efficient structural system within an inefficient geometry. Kevin served as Lead Structural Engineer for engineering consultant.

550 W. Jackson Boulevard, Chicago, IL: Structural engineering and construction coordination of a 15-story vertical expansion to an existing four-story building. Design and construction took into account the operational (24/7) needs of a regional telephone switching facility on the ground level. Process involved careful examination of capacities of existing elements using state-of-the-art evaluation tools. The capacities of the various foundation, substructure and superstructure elements provided the roadmap for the architectural massing of the expansion. Worked in concert with general contractor to develop solutions for numerous unexpected existing conditions. The major design achievement consisted of transforming the existing moment-resisting frame to a more efficient braced frame through the use of extensive cover plating of existing columns. Kevin served as Senior Structural Engineer for engineering consultant.

A-Star, Busan,: Structural design of three reinforced concrete residential towers reaching 49, 51 and 52 stories. The complex features four below-grade parking levels, three retail levels and a landscaped podium. Kevin served as engineering director for design consultant.

Samsung Boramae Project, Seoul,: Peer review and specialized consulting services including static and dynamic seismic analyses, wind tunnel investigations and time-dependent performance design for a 49-story structural steel residential tower. Kevin served as Lead Structural Engineer for design consultant.

The Clare at Water Tower, Chicago, IL: Structural design of a 53-story reinforced concrete “life care” residential center with parking, public space and 600,000 SF of both assisted and independent living units for the elderly. Kevin served as Senior Project Manager for engineering consultant.

Wells Street Tower, Chicago, IL: Structural engineering of a 34-story, 350,000 SF reinforced concrete condominium building with parking. Kevin served as Lead Structural Engineer for engineering consultant.

Chicago Transit Authority, Ravenswood (Brown) Line Reconstruction, Chicago, IL: Structural engineering of the rehabilitation of three existing elevated stations at Armitage, Sedgwick and Chicago on the Brown Line, including the design of longer platforms, new station houses and new canopies. Kevin served as Structural Director for engineering consultant.

35th Street Station Canopy, Chicago, IL: Structural design of four overhead canopies with integrated pedestrian restraints provide a gateway to U.S. Cellular Field. The visually lightweight structure is composed of tube purlins overhead, L-shaped plates cantilevering over the bridge deck, and a mesh in-fill between frames provides protection to Dan Ryan traffic below. Kevin served as Structural Director for engineering consultant.

Fort Sheridan Condominiums, Fort Sheridan, IL: Structural design of a 500,000 SF building of reinforced concrete with eight stories of residential over two stories of below-grade parking. Kevin served as Senior Structural Engineer for engineering consultant.

Dhahran Corporate Cafeteria, Dhahran,: Structural design of a two-story facility with lateral and gravity systems in steel. Kevin served as lead engineer for design consultant.

Dhahran Corporate Tower, Dhahran,: Structural design of a high-end, 20-story office building with concrete shear wall/link beam lateral and composite steel floor framing systems. The campus includes a 400-foot-long pedestrian link of architecturally exposed steel bents of

diminishing width and depth requiring extensive buckling analysis. Kevin served as junior structural engineer for design consultant.

Hotel Arts Barcelona, Barcelona,: Structural engineering services for this 44-story hotel that features a fire-engineered, braced steel frame separated by one meter from the exterior wall. Kevin served as junior structural engineer for design consultant.

Wyndham Hotel, Lincolnshire, IL: Structural engineering of a six-story, flat-plate hotel in reinforced concrete. Kevin served as Senior Structural Engineer for engineering consultant.

The Shops at North Bridge, Chicago, IL: Structural design of a mixed-use project composed of a 12-story, 300,000 SF structural steel hotel and a four-story, 250,000 SF retail arcade, featuring two atria. Kevin served as Senior Structural Engineer for engineering consultant.

Starlight Theater, Rockford, IL: Schematic structural engineering services for the renovation and expansion of an existing, open-air theater. The main design feature hinges a 17,000 SF, hydraulically-operated roof that unfolds to give theatergoers unobstructed sky views. Kevin served as Lead Structural Engineer for engineering consultant.

Raue Theater, Crystal Lake, IL: Structural engineering services for the conversion of an existing cinema into a new performing arts center. Kevin served as Senior Project Manager for engineering consultant.

Chagall Canopy, Chicago, IL: Protective enclosure for one piece of Chicago's treasured artwork. Kevin served as Senior Structural Engineer for engineering consultant.

Golden West College, Health Sciences Building, Huntington Beach, CA: Structural engineering services for a new, 25,000 SF, three-story structure featuring exterior corridors that serve laboratories and classrooms on the second and third floors, respectively. The ground floor contains space for Student Health Services and faculty offices for the Health Sciences administration. Structural systems consist of steel ordinary moment resisting frames and auger cast pile foundations. Kevin served as Lead Structural Engineer for engineering consultant.

North Park University Wellness Center, Chicago, IL: Structural engineering services for a 12,000 SF basketball/volleyball court with 100-foot clear spans over office and exercise rooms. Kevin served as Senior Structural Engineer for engineering consultant.

Washington University Psychology Building, St. Louis, MO: Structural design of a five-story reinforced concrete building designed according to Zone II seismic requirements. Kevin served as Structural Engineer for engineering consultant.

Plaza Rakyat, Kuala Lumpur,: Structural engineering analysis and design for a mixed-use facility, including a 22-story hotel building, 60-story office tower, six-story retail bustle and 40-story condominium in reinforced concrete and structural steel. Kevin served as Junior Structural Engineer for design consultant.

Boulder City Bypass, Boulder City, NV: Construction Administration of 5 single and double-span bridge structures located on the I-11 expansion. Kevin served as Senior Director for structural design consultant.

Silverline Maintenance Road, Boulder City, NV: Structural engineering of a maintenance

access bridge over I-11. Kevin served as Senior Director for structural design consultant.

SR-160 Wildlife Undercrossing, Las Vegas, NV: Structural engineering of a reinforced concrete single-span bridge beneath SR-160 allowing for safe passage of local wildlife. Kevin served as Senior Design Director for structural consultant.

La Jolla Village Drive Pedestrian Crossing, San Diego, CA: Structural engineering of a temporary support for the reconfiguration of an existing abutment. Kevin served as Senior Design Director for structural engineering consultant.

Eric W. Schreiner

Southern California Operations Manager

Education

BS/Building Construction Technology, Purdue University

Professional Credentials

Environmental Awareness Training

First Aid/ CPR/AED/BBP Certified

The Hunt College of Construction "Client Relationship & Corporate Image" Seminar

The Hunt College of Construction "Contract Highlights & Risk Management" Seminar

Years of Experience

37

Summary

Eric leads the AECOM Hunt team in our Downtown Los Angeles office. With over 36 years of experience, he brings leadership and expertise in preconstruction services, cost control, client relationships, project delivery, and smooth management of large projects. In addition to working for AECOM for more than 28 years, he also served for five years as President of Construction and Development for a national real estate development company. Throughout his career, he has been an integral part of developing and building several billion dollars' worth of large, iconic structures across the country. His experience has encompassed multiple complex building types including high-end luxury hospitality and residential, as well as large complex mixed-use projects.

Relevant Projects

Intuit Dome, Inglewood, CA: A 915,000 SF multi-purpose arena with up to 18,000 fixed seats, and up to 500 additional temporary seats for other events such as family shows, concerts, corporate and community events, and various sporting events. The project also features an 85,000 SF team practice and athletic training facility; 71,000 SF of team office space and 63,000 SF of ancillary space including retail and dining. The project is pursuing LEED Platinum. Future home of the NBA's Los Angeles Clippers.

One Beverly Hills Luxury Residences, Confidential Location: Preconstruction services for a 1.8 million SF of Norman Foster designed hotel and residential building, including a 50,000 SF conference center and a 13.7-acre, 567,000 SF, on-structure parkland and gardens.

1111 S. Hill Street, Los Angeles, CA: AECOM Hunt is currently providing preconstruction services for a new 493,677 SF, 42-story project with 316-condo units and a 161-key hotel, as well as a 385-parking spaces, two-story below-grade garage, and six-levels above-grade. Additional amenities include an outdoor pool, fitness center, business center on Level 7, 2,236 SF of retail space, and a landscaped rooftop patio on level 42.

The Aurela, Garden Grove, CA: A 1,191,167 SF, 769-key, resort encompassing two high-rise buildings, one 17-stories and one 18-stories, as well as a 1,224-car below-grade parking structure. The resort will include restaurants, retail, convention/banquet hall, and amenity areas.

South Park - ALL SITES, Los Angeles, CA: A \$210 million component of the \$750 million mixed-use community being by a joint venture between developer Mack Real Estate and AECOM Capital in the South Park neighborhood of Downtown Los Angeles. As part of a joint

venture, AECOM Tishman managed the construction of this 38-story, 536-unit apartment building with approximately 10,000 SF of ground floor retail and restaurant space.

Sky River (Wilton Rancheria) Hotel and Casino, Elk Grove, CA: As part of a joint venture, AECOM has served as the General Contractor for the Sky River Casino in Elk Grove, CA. Sky River is an entertainment facility located 15 miles south of downtown Sacramento and will feature a 110,260 sq-ft gaming floor with 2,000 slot machines, 80 table games, a poker room and a high-limit gaming area. The new casino will also include four dining venues and 30,000 SF of event space for conferences and entertainment. Mr. Schreiner serves as Corporate Executive.

The Grand, Los Angeles, CA: A large mixed-use development in Downtown Los Angeles. Designed by Frank Gehry, the mega-project was comprised of two towers, a 311,000 SF, 28-story, 305-key Hilton Conrad hotel, including 12,000 SF of meeting rooms and facilities, a ballroom and an additional 27,000 SF of restaurants, lounges, and amenities. The project included a 331,000 SF, 45-story, 436-unit residential tower, including 323 luxury condos and 113 affordable premium apartments, with an expansive 27,000 SF amenities deck, as well as 164,000 SF of retail space, include destination restaurants and shopping spanning three levels of landscaped open terraces. Twenty percent of the apartments are available to low-income tenants. The project is pursuing LEED Silver Certification.

The Grand LA, Los Angeles, CA: AECOM Tishman provided construction services for Related's \$1 billion mixed-use mega-project, designed by Frank Gehry. Located directly across from Gehry's Walt Disney Concert Hall and covering a full city block, the project encompasses two towers – the 28-story, 305-key luxury hotel Conrad Los Angeles and the 45-story 436-unit apartment building, The Grand by Gehry – as well as 744 parking spaces and 162,000 SF of retail space, for a total of 1,563,000 SF. At The Grand by Gehry, 20 percent of the apartments will be available to low-income residents.

Oceanwide Center (First and Mission Towers), San Francisco, CA: AECOM Tishman served as Development Manager for Oceanwide Center in San Francisco, a 2.2 million-SF office, condominium and hotel complex south of Market Street designed by Foster + Partners. Made up of two towers, First Street Tower (T1), a 62-story, 1.6 million-SF tower with 720,000 SF of office space and 109 condominium units, and Mission Street Tower (T2) a 54-story, 660,000 SF tower with 156 luxury condominium apartments and a 169-room Waldorf Astoria Hotel. The basement includes 4-stories below grade with 186 parking spaces plus mechanical parking.

United Airlines LAX East Aircraft Maintenance and GSE Complex, Los Angeles, CA: A 420,837 SF aircraft maintenance hangar and ground support equipment (GSE) complex. Construction included a hangar to accommodate two wide-body aircraft, a GSE maintenance facility and apron paving. This project is USGBC LEED Gold Certified. Eric served as the Executive Vice President.

Pendry West Hollywood Complex, West Hollywood, CA: AECOM Capital, in joint venture, developed the 500,000-SF complex, comprising the 149-room Pendry Hotel, 40 luxury residential condominiums, approximately 5,000 SF of full motion digital signage, and parking.

KURVE on Wilshire, Los Angeles, CA: A 1,267,624 SF, 22-story residential tower with 644 units, as well as five levels of parking with 1042 parking spaces, and 13,604 SF of commercial space. Additional amenities include rooftop pools, a fitness center, outdoor lounge decks,

outdoor grills and Korean BBQs and dog park. Mr. Schreiner serves as Corporate Executive.

Vara - 1233 S Grand Avenue Preconstruction, Confidential Location, North America: A 21-story residential tower with 161-units, 295,000 GSF of residential space and 2,000 SF of retail space, including 237-parking spaces on six levels, two below grade and four above. Building amenities include an outdoor landscaped space, a fitness center and landscaped roof top deck with a pool, indoor and outdoor kitchens and dining spaces.

Pendry West Hollywood Hotel and Residences, West Hollywood, CA: The Pendry West Hollywood project consisted of two mid-rise buildings featuring a 14-story hotel with 149-guestrooms and a 12-story, 40-unit luxury condominium, designed by Cunningham Group. The project site also entailed 426-parking spaces spread over a six-level underground parking structure, landscaped rooftop terrace and two pools, as well as restaurants, retail, and a bowling alley. The entire project spans 476,000 SF and is located on the renowned Sunset Strip in West Hollywood on a logistically challenging site that is both sloped and in close proximity to the neighboring properties. Mr. Schreiner serves as Corporate Executive.

Plant Riverside District, Savannah, GA: A three-part project comprised of the Plant Riverside Hotel, the Three Muses Hotel and the Atlantic Hotel and West Garage. A historical renovation and expansion of an abandoned power plant on the Savannah River into three hotels totaling 413,141 SF and 419 keys. The project also includes a 252,060 SF, 488-space parking garage; a quarter mile of new Riverwalk; 1.5 acres of public parks and plaza; 670,000 SF of entertainment and hospitality space; 18,000 SF meeting and event space; and 5,600 SF of retail pavilions. Mr. Schreiner is currently serving as Project Engineer.

Honey Training Center, Playa Vista, CA: A multi-million-dollar upgrade and refresh to the 9,000 SF existing training facility including complete reconfiguration and reinstall of the entry, press room and facilities, kitchen, dining areas, weight training, meeting spaces, clinical spaces, trainers' offices, bathrooms, locker rooms, hydrotherapy, and steam room. Completed as an integrated delivery with AECOM Design the project achieved stringent performance criteria including multiple human ergonomic constraints.

United Airlines Field at Los Angeles Memorial Coliseum Renovation, Los Angeles, CA: A 231,340 SF historic renovation and expansion of a city landmark. The project included a new south tower of suites, clubs, and concessions along with overall infrastructure upgrades including replacement of mechanical and electrical systems, food service equipment, seating, waterproofing, roofing, interior finishes and state-of-the-art audio, video, and Wi-Fi. Current home of the University of Southern California Trojan Football team. Eric served as the Executive Vice President.

AVEN at South Park, Los Angeles, CA: As part of a joint venture, AECOM Hunt managed this 38-story, 536-luxury unit apartment building with approximately 10,000 SF of ground floor retail, 801-parking spaces, two amenity decks and restaurant space. This \$210 million component was part of a \$750 million mixed-use community was developed in the South Park neighborhood of Los Angeles.

Circa, Los Angeles, CA: AECOM Hunt provided general contractor services for the Harley Ellis Devereaux-designed residential towers at 1200 South Figueroa Street. The project consisted of the construction of two 34-story towers, atop an eight-story podium, containing 648-luxury residential apartment units, as well as an expansive 2-acre amenity deck, six levels of parking, above-ground and two subgrade parking levels totaling 1,770-parking stalls with EV charging

infrastructure and 48,000 SF of street level retail space. This project also included the installation of the largest HD LED media sign on the west coast at over 18,000 SF. AECOM Hunt took over the job midway to bring it successfully to completion.

Los Angeles Football Club Performance Center at CSU, Los Angeles, CA: A 30,000 SF training facility with a soccer pitch that features 95,550 SF of practice turf that mirrors the team's home pitch. The project also included locker rooms, sports medicine, weight room and recovery space, as well as office space for LAFC coaches and staff. Home of the new MLS Los Angeles Football Club.

Fairmont Austin Hotel, Austin, TX: A 1,402,153 SF, 41-story, 1,072-key convention hotel with concrete and steel structure, curtain wall, metal panel and precast. Four levels are underground. Project includes a 567-space parking garage, conference center and amenity decks.

WREN at South Park, Los Angeles, CA: As part of a joint venture with Benchmark Group LLC, AECOM Tishman managed this \$85 million, 515,000 SF component of the \$750 million mixed-use community being developed in the South Park neighborhood of Los Angeles. The project features a pair of seven-story structures with 362-rental units.

Doubletree Hotel Evansville, Evansville, IN: A 167,000 SF, five-level, 241-room, full-service hotel. Construction includes a 564-car precast parking garage and a connector to the Old National Events Plaza and Ford Center.

Westin Hotel Austin, Austin, TX: A 335,000 SF, 21-story, 365-room full-service hotel. The facility features 16 flexible meeting spaces totaling more than 14,500 SF of space, including a 4,464 SF dividable ballroom and a 2,730 SF dividable ballroom. Additional features include a rooftop pool, fitness studio, a restaurant, roof-top bar, as well as 119 below-grade parking spaces.

Lexington Convention Center and Rupp Arena Renovation Preconstruction, Lexington, KY: A new 280,000 SF convention center, a 641,000 SF renovation of Rupp Arena and a 280,000 SF parking garage.

Lucas Oil Stadium, Indianapolis, IN: A 1,800,000 SF retractable roof stadium consisting of 63,000 seats including 7,100 club seats and 150 suites, eight of which are at field level. Also features Lucas Oil Plaza, Quarterback Club, concessions, restrooms, locker rooms and loading docks. Home of the NFL's Indianapolis Colts, NCAA basketball championships, major conventions and other events.

Duke Energy Center, Cincinnati, OH: A 214,000 SF expansion of exhibit halls, ballroom and pre-function spaces and renovation of 548,000 SF of existing exhibit halls, meeting rooms and administrative offices. Work included the complete upgrade of all architectural finishes and mechanical and electrical services while maintaining the operations of the facility.

Summit Country Day School, Cincinnati, OH: An 85,000 SF addition to the K-5 Catholic elementary school as well as the 30,000 SF renovation of the 6-12 high school. Included the construction of a 150-car parking garage. This project was fast tracked in 5.5 months.

Great American Ball Park and Garage, Cincinnati, OH: A 1,260,436 SF baseball stadium with 42,053 seats, 3,000 club seats and 61 suites (58 luxury suites and three party suites) on six levels. Includes a 403,800 SF, two-story, 820-space parking garage. Home of MLB's Cincinnati

Reds.

Cinergy Field Modifications, Cincinnati, OH: Renovations to Cinergy Field in preparation for the construction of an adjacent ballpark (Great American Ball Park) and, eventually, the complete demolition.

Cincinnati Reds East Garage, Cincinnati, OH: A 420,000 SF, six-story parking garage for 1,220 cars.

Gainbridge Fieldhouse, Indianapolis, IN: A 760,000 SF, 19,000-seat, five-level, primary basketball arena featuring 69 suites, two party suites, restaurants and retail shops. Includes two club restaurants, a team store, box office with 18 ticket windows, more than 100 concessions, a four-sided video scoreboard suspended above center court, full size practice court and a complete broadcasting studio. Home of the NBA's Indiana Pacers and the WNBA's Indiana Fever.

McCormick Place South Expansion, Chicago, IL: A 3,000,000 SF multi-level expansion to the nation's largest convention and trade show center.

i Wireless Center, Moline, IL: A 250,000 SF, 10,218-seat, three-level multi-purpose arena with a 38,000 SF conference center and 26,000 SF of trade and consumer show space. Home of the CBA's Quad City Thunder and the UHL's Quad City Mallards. Assign Date: 4/1991

Indiana Government Center South Office Building, Indianapolis, IN: A 1,000,000 SF, five-story office building with a 45,000 SF, 140-car underground parking facility.

Indiana Government Center North Exterior Renovation, Indianapolis, IN: A 322,000 SF, 13-story exterior removal and replacement of limestone and windows.

Meridian Hills Country Club, Indianapolis, IN: A 50,000 SF country club facility with a 5,500 SF surface parking lot for 72 cars.

Hyatt Place Downtown LA, Los Angeles, CA: A 16-story, 145,000 SF, 258-key, select service hotel project, with retail space, meeting rooms, exercise room, exterior spaces at multiple levels and a bar.

Additional Experience

Museum Plaza, Louisville, KY: A 1,500,000 SF 61-story mixed-use development consisting of 99 luxury condominiums, 117 lofts, a 246-room hotel, office spaces, condominiums, restaurants, retail and an 800-car underground parking garage.

Residence Inn, ,: A 162 key hotel.

21C Tower, Louisville, KY: A 44-story mixed-use tower consisting of 175 full serve luxury hotel rooms, 199 luxury condominiums and 395 parking stalls.

Gallery Lofts at Waller Creek, Austin, TX: A 31-story luxury apartment building consisting of 355 units.

21C Hotel at Waller Creek, Austin, TX: A 243 key full service art hotel.

21C Condos at Waller Creek, Austin, TX: A 45-story luxury condominium tower including 310 units.

21C Hotel Bentonville, Bentonville, AR: A 120 key full service art hotel.

Fairway Knoll Apartments, Round Rock, TX: A 318 key garden style apartment complex

False Caye Island Resort, Placencia, TX: A 60-acre luxury full-service island resort including 146 hotel keys and 35 residential lots.

Fairfield Inn & Suites, Louisville, KY: A 120 key hotel.

Springhill Suites, Louisville, KY: A 202 key hotel.

Residence Inn, Louisville, KY: A 135 key hotel.

Hyatt Place Hotel, Austin, TX: A 276 key hotel.

Courtyard by Marriott Hotel, Sunrise, FL: A 188 key hotel.

Fairfield Inn, Austin, TX: A 146 key hotel.

Hilton Garden Inn, Austin, TX: A 155 key hotel.

Springhill Suites, Austin, TX: A 153 keyhotel.

Manchester Pacific Gateway, San Diego, CA: Waterfront development that will include over 1,100,000 SF of state-of-the-art Class A office space served by unparalleled amenities, including nearly 300,000 SF of world-class shops and restaurants and 1,360 luxury hotel rooms. The 12.1 net acre property is the premier development site in the western United States, with over one-quarter mile of water-frontage on the San Diego Bay.

River Park Place, Louisville, KY: A 40-acre riverfront site that incorporates 20 different high-rise and mid-rise buildings including 1,500 luxury condominiums/apartments, retail space and a new marina.



To: Eyestone Environmental
From: Andy Simons, P.G., Geosyntec Consultants, Inc. (Geosyntec)
Date: 4 August 2023
Subject: Professional Experience and Statement of Responsibility for TVC EIR

I am a Senior Geologist at Geosyntec with a focus on environmental site investigation and remediation. Geosyntec is a consulting and engineering firm that works with private and public sector clients to address new ventures and complex problems involving our environment, natural resources, and civil infrastructure. Geosyntec's practice areas include Contaminated Site Assessment and Clean-up; Infrastructure Planning, Engineering, and Design; Environmental Planning and Management; Environmental, Social, and Governance; Transactional Due Diligence and Consultation; Water and Natural Resources; Geotechnical and Geological Analysis, Modelling, and Engineering; Air Quality Management and Air Pollution Control. My colleagues at Geosyntec that also worked on the TVC 2050 Project (Project) Draft and Final EIR analyses, reports, and responses to comments include Dr. Fabiana Arriaga, Ph.D., P.E. and now retired Mr. Richard Kraft, P.G., C.E.G., C.Hg. Dr. Arriaga is a Senior Engineer at Geosyntec with a focus on methane mitigation and vapor intrusion. Mr. Kraft, now retired, was a Senior Consultant at Geosyntec with a focus on environmental, hydrogeology, and groundwater investigations.

I am a State of California licensed Professional Geologist (P.G.) with over 18 years of professional experience performing environmental site investigations and remediation activities on dozens of projects throughout southern California under the regulatory oversight of various state and federal agencies including the United States Environmental Protection Agency (USEPA), California Regional Water Quality Control Boards (RWQCB), and the California EPA Department of Toxic Substances Control (DTSC). Dr. Arriaga is a State of California licensed Professional Engineer (P.E.) with over 7 years of professional experience related to design, permitting, regulatory due diligence and compliance, construction quality assurance (CQA), operation, monitoring and maintenance (OMM) of methane mitigation systems, landfill gas collection and control systems, waste containment facilities for projects ranging from public schools, private academic and cultural developments, commercial and residential developments to municipal and hazardous waste landfills in southern California. Mr. Kraft is a State of California licensed Professional Geologist (P.G.), Certified Engineering Geologist (C.E.G.), and Certified Hydrogeologist (C.Hg.) with over 35 years of experience related to implementing and/or directing site investigations, soil and groundwater characterizations, use of applied groundwater analyses and modeling solutions for sites in southern California, and has served as a designated geology/hydrogeology expert in

legal matters. Our resumes attached to this memo provide more details about our education, licensing, and applied professional experience.

Geosyntec's role on the TVC Draft EIR analyses included performing site soil, soil vapor, and groundwater investigations and preparing the Site Summary Report and the Soil Management Plan, included in Appendix G.1 of the Draft EIR. Geosyntec also assisted the Project team with responding to public comments on the Draft EIR related to soil, soil vapor, and groundwater contamination, temporary construction dewatering, hazards, and methane gas in the following Comment Letter Nos.: 13, 16, 26, 35, 76, 89, 105, 211, 273, 298, 323, 399, 400, 437, 467, 507, 524, 511, 535, 536, 537, 582 and 595.

In response to public comments on the Draft EIR related to temporary construction dewatering, Geosyntec prepared a supplemental analysis for the Final EIR, the Preliminary Evaluation – Dewatering Simulation and Analysis for Temporary Excavation and Underground Parking Structure Construction (Dewatering Report), for informational purposes. This applied hydrogeology and groundwater study and analysis is comprised of three primary elements: (i) developing a subsurface Site Conceptual Model based on historical regional studies and Site vicinity soil properties and groundwater data; (ii) based on the Site Conceptual Model, developing a numerical groundwater model to: a) simulate initial groundwater flow conditions (steady state model) prior to dewatering, and b) a transient model to simulate pumping within the proposed excavation to lower the groundwater for the excavation dewatering needs; and (iii) presenting the calculated dewatering quantities and groundwater drawdown cone of depression dimensions based on the model simulations. Geotechnologies reviewed the Site groundwater conditions and preliminary temporary construction dewatering findings presented in Geosyntec's report and concluded the small amount of groundwater drawdown will have less than significant subsidence effects on the surrounding properties adjacent to the excavation.

Geosyntec confirms that the assumptions, methodologies and conclusions in Geosyntec's analyses and responses to comments were consistent with standard industry practices exercised by other firms rendering the same services under similar circumstances at the time that Geosyntec's services were performed. Services and opinions relating to environmental, geologic, and geotechnical conditions are based on limited data and that actual conditions may vary from those encountered at the times and locations where data are obtained, and that the limited data results and uncertainty with respect to the interpretation of these conditions, despite the use of due professional care.



Andy Simons, P.G. (CA)
Senior Geologist

Attachments:

Professional Resumes of Andy Simons, Fabiana Arriaga, and Richard Kraft (retired)



ANDY SIMONS, P.G. (CA)

**soil, soil vapor, and groundwater
investigations
hydrogeology remediation**

EDUCATION

B.S., Geology, Old Dominion University, Norfolk, Virginia, 2004

REGISTRATIONS AND CERTIFICATIONS

Professional Geologist (CA)
40-Hour OSHA
HAZWOPER
8-Hour OSHA Refresher
8-Hour HAZWOPER Supervisor
CPR/First Aid Training

CAREER SUMMARY

Mr. Simons has eighteen (18) years of professional experience performing site investigations and remediation activities on a variety of projects throughout southern California under the regulatory oversight of various state and federal agencies including the Environmental Protection Agency (EPA), California Regional Water Quality Control Boards (RWQCB), and the California EPA Department of Toxic Substances Control (DTSC). Mr. Simons' experience includes regulatory negotiations, data analysis, and field program management for projects that include soil and soil vapor assessments, groundwater well design and installation, and installation and performance monitoring of remedial systems. He is experienced in a wide range of soil vapor, soil, and groundwater sampling procedures.

His field and data analysis experience also includes multi-depth aquifer investigations, groundwater modeling, and the performance and evaluation of aquifer testing (pumping tests, slug tests, and hydraulic capture). He has overseen remedial activities including underground storage tank removals and soil excavations, installation of groundwater pump and treat systems, soil vapor extraction, free product recovery, and in-situ bioremediation and chemical oxidation systems. He has supervised subsurface investigations involving a variety of drilling techniques including hollow-stem auger, reverse circulation, bucket auger, sonic, and direct-push. The following selection of projects is representative of Mr. Simons' experience.

Soil, Soil Vapor, and Groundwater Investigations

Former Aerospace Manufacturing Facility, El Segundo, California. Current project manager for soil vapor related issues at a former aerospace manufacturing site. The twenty-one (21) acre site was impacted with multiple chlorinated volatile organic compounds (VOCs) and underwent voluntary cleanup. Various potential source areas were associated with multiple underground storage tanks (USTs), clarifiers, and sumps. An SVE pilot study was implemented to address residual VOCs in soil. The site was redeveloped as a high-end office space. Project responsibilities include development of project scope and cost estimates, interfacing with regulatory and permitting agencies, management of field staff, data analysis, and preparation of work plans and reports.

Former Precision Plastics Facility, Irvine, California. Project manager for soil and groundwater investigations at a former plastics molding manufacturing facility. Shallow groundwater beneath the site is impacted with tetrachloroethene (PCE) and trichloroethene (TCE) which are also detected in up gradient wells and are constituents of a large, comingled plume in the site vicinity. Remedial activities have been completed at the site and a site closure assessment completed under the regulatory oversight of the RWQCB. Continued pursuit of site closure under low threat closure framework for chlorinated solvent impacted sites is ongoing. Project responsibilities include preparation of a site investigation work plan that included collection and analysis of soil and groundwater samples, coordination and oversight of field program, data analysis, and report preparation.

Former La Veta Refuse Disposal Facility, City of Orange, California. Task manager for site assessment activities at a former refuse disposal station. A site assessment was performed under DTSC oversight to evaluate the nature and extent of municipal and burned wastes and soil vapor quality. Based on the results of the site assessment and two supplemental soil vapor monitoring events, DTSC closed the file for Orange County Waste & Recycling. Project responsibilities included preparation of site investigation work plans that included collection and analysis of soil, soil vapor, groundwater and indoor air samples, coordination and oversight of field program, and report preparation.

Lincoln Station, Cerritos, California. Task manager for soil vapor and groundwater assessment at a former dry-cleaning facility. Project responsibilities included oversight of cone penetration testing (CPT) and hydropunch groundwater sampling, interpretation of CPT logs, and drafting geologic cross sections in order to aid in the development of a site conceptual model and delineation of a plume of chlorinated volatile organic compounds. Other responsibilities included coordination and supervision of the collection and analysis of soil vapor and groundwater samples, and preparation of semi-annual groundwater monitoring reports.

Hydrogeology

Operating Industries Inc. Superfund Site, Monterey Park, California. Current project manager for groundwater-related issues at a closed one hundred and ninety (190) acre landfill Superfund site. The site operated from 1948 until 1984 and received both solid waste and more than three hundred (300) million gallons of liquid hazardous wastes. Geosyntec conducts work on behalf of a multi-party PRP group that is implementing the prescriptive site remedies under multiple Consent Decrees with EPA oversight. Project tasks include the evaluation of liquid flow patterns from the landfill that are controlled by folded and faulted sedimentary units, and the design and installation of perimeter liquid control systems in strategic locations to contain and capture the landfill associated liquids. This approach provides effective containment and limits the volume of liquids requiring extraction and treatment. Project responsibilities include offsite groundwater assessments and hydrostratigraphic evaluations, aquifer testing, capture analysis, and compliance testing of perimeter liquid control systems, groundwater monitoring, and evaluation of the MNA remedy for downgradient areas.

Former Memorex Facility, Westlake Village, California. Current project manager for groundwater related issues at a former computer components manufacturing site. The thirty-three (33) acre site is impacted with multiple chlorinated volatile organic compounds (VOCs) and petroleum hydrocarbons and is under the regulatory oversight of RWQCB. Various source areas were associated with multiple underground storage tanks (USTs), clarifiers, and sumps. The site is currently undergoing long-term MNA of groundwater for residual VOC impacts. Project responsibilities include development of project scope and cost estimates, interfacing with regulatory and permitting agencies, management of field staff, data analysis, and preparation of work plans and reports.

Bolsa Chica Wetlands, Huntington Beach, California. Project manager for groundwater assessments at a restored wetlands site. In 2004 the Bolsa Chica Lowlands Restoration Project was initiated to reestablish a tidal influence to enhance the wetland ecosystem within the coastal property. The project was substantially completed in 2006 and resulted in approximately twelve hundred and fifty (1,250) acres of restored full, muted, and future tidal basin within the wetlands. Prior to the restoration project, forty-seven (47) groundwater monitoring wells and piezometers were installed to monitor the groundwater elevations and salinity concentrations within the site and adjacent neighborhood. Near the end of the restoration project, a groundwater barrier and control system was installed between the wetland and the adjacent neighborhood. The California Department of Fish and Wildlife (CDFW) continues to manage and operate this system to mitigate potentially adverse impacts to the groundwater resulting from the restoration project. Project responsibilities include training CDFW personnel for data collection, evaluation of groundwater elevation and salinity data, and preparation of data submittals and an annual summary report.

OC Waste & Recycling, Orange County, California. Current technical support for the County of Orange's groundwater monitoring programs for five landfills. Project responsibilities include review of hydrogeologic data, review of laboratory data, review of statistical analysis on groundwater data, and preparation and submittal of semi-annual monitoring reports and annual summary reports to RWQCB. Previously Mr. Simons was the task manager for site assessment activities at the Former La Veta Refuse Disposal Facility. A site assessment was performed under DTSC oversight to evaluate the nature and extent of municipal and burned wastes and soil vapor quality. Based on the results of the site assessment and two supplemental soil vapor monitoring events, DTSC closed the file for Orange County Waste & Recycling. Project responsibilities included preparation of site investigation work plans that included collection and analysis of soil, soil vapor, groundwater and indoor air samples, coordination and oversight of field program, and report preparation. Mr. Simons also previously assisted with implementation of an aquifer evaluation at the Prima Desecha Landfill and an enhanced in-situ bioremediation (EISB) program at the Coyote Canyon Landfill.

Remediation

Former Computer Component Manufacturing Facility, Mission Viejo, California. Project manager for soil and groundwater related issues at a former computer components manufacturing site. The twenty-six (26) acre site was impacted with multiple chlorinated VOCs and petroleum hydrocarbons and is under regulatory oversight of RWQCB. Various source areas were associated with multiple USTs, above ground storage tanks (ASTs), photo development activities, and hazardous waste storage. The property has been sold and redeveloped but the client retained responsibility for soil and groundwater impacts associated with former site operations. Geosyntec performed a remedial investigation to close data gaps in the conceptual model to help identify the appropriate remedy for the site that included investigation of multiple aquifer zones, hydrostratigraphic analysis, and aquifer analysis. Soil vapor extraction (SVE) and in-situ chemical oxidation (ISCO) pilot studies have been implemented to address residual VOCs in soil and groundwater. Client received a no further action (NFA) letter from RWQCB. Project responsibilities include development of project scope and cost estimates, client communications, interfacing with regulatory and permitting agencies, management of field staff, data analysis, and preparation of work plans and reports.

Former Medical Devices Manufacturing Facility, Irvine, California. Task manager for groundwater related issues at a former medical devices manufacturing facility. A cost effective in-situ remedial approach was developed by Geosyntec for addressing the remaining Freon-113 in groundwater utilizing a combination of zero valent iron (ZVI) and calcium acetate to address high concentrations of sulfate at this RWQCB lead site. Laboratory bench scale testing identified

sulfate as inhibiting the performance of the ZVI and verified that sulfate concentrations could be reduced with calcium acetate by causing precipitation of gypsum mineral (calcium sulfate). A pilot remediation program was completed in early 2013 where ZVI and calcium acetate were injected into the aquifer in a series of boreholes using a high-pressure nitrogen gas fracturing and emplacement process. The boreholes were oriented in lines perpendicular to the plume so that the ZVI will react with the contaminants as groundwater flows through the treatment zone. Project responsibilities have included work plan and report preparation, data analysis, and coordination and oversight of various field programs including monitoring and injection well installations, a membrane interface probe (MIP) investigation, ZVI and calcium acetate injections, and remediation performance monitoring.

Boeing, B-10/Lakewood Country Club, Lakewood, California. Task manager for the installation and destruction of groundwater injection wells on a golf course as part of an Enhanced In-Situ Bioremediation (EISB) project to treat elevated concentrations of trichloroethene and its associated biodegradation products in groundwater. One hundred and fourteen (114) wells were installed using hollow-stem auger track mounted rigs. All the wells were installed at night so as not to disturb golf course operations.

IR Site 70 Remediation, Naval Weapons Station, Seal Beach, California. Field team member for the well installation and development phases of an EISB project at a former aerospace manufacturing and testing facility. Logged borings and installed and developed groundwater monitoring and injection wells across a chlorinated solvent plume that was over four thousand (4,000) feet long, two thousand (2,000) feet wide and extended through three (3) aquifer zones down to one hundred sixty (160) feet below ground surface. Over two hundred (200) wells total were drilled and installed using sonic drilling technology.

PROFESSIONAL EXPERIENCE

Geosyntec Consultants, Huntington Beach, California, 2006 – Present

Blaine Tech Services, Carson, California, 2004 – 2006

AFFILIATIONS

National Groundwater Association

Groundwater Resources Association



FABIANA ARRIAGA, Ph.D.

**gas migration mitigation
geotechnical engineering
waste containment**

EDUCATION

Ph.D., Civil Engineering, University of Colorado at Boulder, Boulder, Colorado, 2003

M.S., Civil Engineering, University of Colorado at Boulder, Boulder, Colorado, 1999

B.S., Civil Engineering, Universidad Católica Andrés Bello, Caracas, Venezuela, 1995

REGISTRATIONS AND CERTIFICATIONS

Professional Engineer, State of Arizona, Certificate Number 64048

Professional Engineer, State of California, Certificate Number C90981

CAREER SUMMARY

Dr. Arriaga has over fifteen years of academic and professional experience in the field of geotechnical engineering, methane mitigation and vapor intrusion. Her Ph.D. dissertation was titled: "Response of Geosynthetic-Reinforced Structures under Working Stress and Failure Conditions". Research work included testing geosynthetic-reinforced slope models in a geotechnical centrifuge until failure to evaluate the stress distribution along the reinforcements. Dr. Arriaga has supervised geotechnical subsurface exploration programs, designed retaining structures and provided technical assistance in dam rehabilitation, dam replacement and new dam construction projects.

Since joining Geosyntec, Dr. Arriaga's geotechnical practice has involved slope stability, liquefaction triggering analysis, settlement analysis, gas migration mitigation design and construction quality assurance.

Gas Migration Mitigation

Television City Studios, Hackman Capital Partners, Los Angeles, California. This project consists of redevelopment of an existing property located within the City of Los Angeles Methane Zone. Dr. Arriaga provided CEQA process support and methane mitigation system design for proposed structures including below ground parking structures under hydrostatic conditions, and renovation of select existing structures.

Carol Kimmelman Sports and Academic Campus, Latham & Watkins, LLP, City of Carson, California. Dr. Arriaga provided methane mitigation basis of design for golf course redevelopment with new recreation uses including a new sports and academic campus due to the site being located on a portion of the former BKK landfill.

Los Angeles County Museum of Art, Pavilion for Japanese Art, Los Angeles County Museum of Art, Los Angeles, California. Dr. Arriaga provided methane mitigation engineering services for this site located within the City of Los Angeles Methane Zone. This unique project required regulatory oversight by both the County and City of Los Angeles. This project includes preparation of methane mitigation system design construction documents, full-time CQA services and construction administration.

Los Angeles County Museum of Art, Building for the Permanent Collection, Los Angeles County Museum of Art, Los Angeles, California. Project Manager for methane mitigation design and construction services for this site located within the City of Los Angeles Methane Zone. This unique project required regulatory oversight by both the County and City of Los Angeles. Design challenges include high, impacted groundwater conditions and new buildings supported by base isolation slabs. This project includes preparation and regulatory approval of methane mitigation system design construction documents, full-time CQA services and construction administration.

Confidential Institutional Development, Gibson, Dunn & Crutcher, Los Angeles, California. Project Manager for methane mitigation consulting support for a confidential institutional development in Los Angeles located adjacent to an existing closed municipal solid waste landfill. Project includes CEQA process support, and preparation of post closure land use plan, methane report, design and construction documents.

Douglas Park Gas Mitigation System Design Review, Boeing Realty Corporation, Long Beach, California. Dr. Arriaga provided review of passive vapor barrier system design documents for the Douglas Park Development in Long Beach, California. Geosyntec initially prepared site-specific guidance documents for passive vapor barriers design and construction. Dr. Arriaga reviewed vapor barrier design and performed periodic field inspections during construction of the vapor barrier system to evaluate compliance with guidance documents.

Monterey Park Market Place Gas Monitoring and Control System Design, Monterey Park Retail Partners, Monterey Park, California. This project encompasses gas monitoring and control systems design and CQA, and post-construction gas monitoring for five retail buildings totaling approximately 150,000 square feet located adjacent of a closed landfill. Project includes preparation of Construction Drawings, Technical Specifications, Design Calculations, CQA plan, and field CQA services support and coordination as well as, regulatory compliance.

Home Depot Store No. 8979 Gas Monitoring, The Home Depot, Chelsea, Massachusetts. This project involves continuous remote gas monitoring, on-site gas monitoring and system inspection, and gas monitoring system maintenance for the existing methane gas mitigation system. Gas monitoring results and system maintenance recommendations have been provided since 2016.

Latitude High School, Education for Change Public Schools, Oakland, California. Provided CQA implementation support for existing vapor intrusion mitigation system repairs due to structural seismic upgrades.

Beyond Meat HQ, El Segundo, California. Provided CQA implementation support for existing methane mitigation system repairs associated with construction of tenant improvements.

Canyon Charter School Expansion, Santa Monica, California. Project Manager for methane mitigation design engineering services for expansion project of existing Kindergarten through 5th Grade school located within the City of Los Angeles Methane Zone. Project involves preparation of methane mitigation construction documents and providing construction administration services.

Confidential Commercial Development, Hackman Capital Partners, California. This project consists of redevelopment commercial property with elevated methane conditions. Dr. Arriaga provided support for the design, CQA and OMM of the active methane mitigation system.

2623-2627 Gardena Avenue, 2H Construction, Signal Hill, California. This project involves development of an existing property in accordance with the City's Project Development Guide. Dr. Arriaga assisted with development and implementation of a site methane assessment and corresponding mitigation measures.

27th Street and Walnut Avenue, 2H Construction, Signal Hill, California. This project involves development of an existing property in accordance with the City's Project Development Guide. Dr. Arriaga assisted with development and implementation of a site methane assessment and corresponding mitigation measures.

Sunshine Canyon Landfill Maintenance Shop, Republic Services, Inc., Sylmar, California. Dr. Arriaga developed methane mitigation system design documents in accordance with County of Los Angeles regulations due for landfill maintenance structures relocation adjacent to the landfill.

Elysian Garage, Palisades Capital Partners, Los Angeles, California. Dr. Arriaga provided CEQA process support and methane mitigation design for redevelopment of an approximately 5.5-acre property located within the Los Angeles methane zone. Proposed redevelopment includes demolition of existing buildings and construction of a five-level parking garage with the lowest two levels partially below grade.

760 West 7th Street, Macguire Properties, Los Angeles, California. This project involved the design of a methane gas monitoring and control system for a mixed-use high-rise building with subterranean parking. Dr. Arriaga assisted in the development of a methane mitigation plan including sub-slab venting, impermeable barrier, ventilation, gas detection, and gas alarm requirements in accordance with the City of Los Angeles Methane Code.

Live Oak Distribution Facility, Scannell Properties, Irwindale, California. Project Manager for design of a passive methane mitigation system for an approximately 525,000 square foot commercial facility located in a 60-acre parcel. Project included preparation of Construction Drawings, Technical Specifications, and Design Calculations.

Hilton El Segundo, El Segundo, California. Project manager for real estate transaction due diligence and compliance evaluation of existing methane mitigation system, and field and desktop evaluations of location of existing oil wells within the site.

LaTerra Select Burbank, Burbank, California. Dr. Arriaga provided vapor intrusion mitigation system design and construction services for a mixed-used residential/commercial development. Project scope includes preparation of construction documents, CQA Plan, and providing full-time CQA and construction administration during system installation.

Salt Lake Park, City of Huntington Park, California. This project consists of redevelopment of a closed unregulated municipal solid waste landfill. Dr. Arriaga is currently providing regulatory compliance support including environmental site assessments, landfill gas evaluations, post-closure land use plan and methane mitigation system design for proposed structures.

Confidential Commercial Development, Worldwide. Project manager for development of methane mitigation design standards including a design guidance document, design drawings, CQA, OMM and contingency plans for large warehouse facilities.

Geotechnical Engineering

MCDD Levee Evaluation, PacifiCorp, Troutdale, Oregon. This project includes subsurface explorations, seepage and slope stability analyses to evaluate the impact of relocation of a power pole on existing levee system for compliance with USACE 408 permit.

FiRM Projects, SDGE, San Diego County, California. Dr. Arriaga supported SDG&E's Fire Risk Mitigation (FiRM) initiative to address replacement of existing "high risk" circuits and wood distribution poles susceptible to fire or wind damage. Initiative implementation included geologic and geotechnical evaluations to characterize ground conditions along various circuits in addition to obtaining site specific information regarding soil parameters for design of pole foundation using the Moment Foundation and Design (MFAD) software for self-supporting pole foundation design.

Salton Sea Species Conservation Habitat Project, Knight Piesold Consulting, Westmorland, California. Project Manager for habitat conservation project consisting of restoration of approximately 3,800 acres of the exposed Salton Sea bed to develop suitable habitat for fish and migratory birds. The project includes construction of berms and levees, interceptor ditches, pump station, saline delivery pipeline, a river intake structure, recreation and maintenance facilities and access roads. Dr. Arriaga performed review and evaluation of geotechnical data, developed representative soil profiles and associated material properties to be used as the basis of design for cost evaluation. Additionally, Dr. Arriaga performed a parametric slope stability evaluation of the proposed levees and provided peer review for seepage, settlement, liquefaction and deep foundation evaluations.

West Miramar Landfill – East Basin Modification, City of San Diego, San Diego, California. Dr. Arriaga performed parametric cut slope stability analyses to evaluate feasibility of increased basin capacity to bring the facility into compliance with water quality objectives.

Tailings Dam Failure – Expert Panel Support, Confidential Site. Dr. Arriaga performed review and evaluation of extensive historical geotechnical data for a tailings dam. Geotechnical data evaluated included soil laboratory test results, boring logs, cone penetration tests, field permeability tests, field inspection reports, survey data, and instrumentation data comprised of inclinometers and piezometers. The geotechnical data review and evaluation was prepared in support of an expert panel engaged by the dam owner to investigate the cause of failure.

Nevada National Security Site Mixed Waste Disposal Unit, Cell 25, CTI and Associates, Inc., Mercury, Nevada. Geosyntec provided engineering oversight during the design and construction of a new RCRA Subtitle C compliant disposal cell at the Nevada Test Site, including the geotechnical design, and construction MQA/CQA services. Dr. Arriaga prepared a geotechnical design parameters and recommendations report based on historic subsurface explorations at the site.

Coal Combustion Surface Impoundments, Confidential Site. Dr. Arriaga performed liquefaction triggering analyses for active CCR surface impoundments at three power plants in the mid-west for compliance support with recent federal CCR regulations.

San Luis Rey Downs Preliminary Geotechnical Investigation, County of San Diego, Bonsall, California. This project includes construction of an offline water quality basin by excavating existing fill material and building a berm, diversion channels from Moosa Creek and the San Luis Rey River, an outlet channel, and additional channel features. Dr. Arriaga managed a planning-level geotechnical field investigation to characterize the existing fill material, obtain preliminary infiltration rates for the fill material and underlying native soils, and to evaluate the groundwater

level within the project area. The geotechnical field investigation included subsurface explorations, in-situ testing, and laboratory soil testing.

Smucker Park Retention Basin On-Call Professional Services, Yuma County, Yuma, Arizona. This project involves construction of a 162-acre-foot capacity retention basin, including an earthen embankment, in a high seismicity area. Other project components include concrete outfall structures, soil nail and rip rap slope stabilization, discharge facilities, floodwalls, access roads, and storm drain improvements. Dr. Arriaga will provide geotechnical and civil engineering technical support to Yuma County during bidding and construction, including technical evaluations, and document review.

Construction Support

Academy Museum of Motion Pictures, Academy of Motion Pictures, Los Angeles, California. Dr. Arriaga provided methane mitigation support for the Academy Museum of Motion Pictures. The museum is located within the City of Los Angeles Methane Zone thereby requiring methane mitigation. Dr. Arriaga provided construction support services during the installation of sub-slab venting system, impermeable barrier, ventilation, gas detection, and gas alarm systems.

Southwestern College Vapor Barrier, Johnson Favro Architecture, National City, California. Dr. Arriaga provided construction quality assurance (CQA) services for a vapor barrier and passive extraction system for the Plaza Building at Southwestern College. The system included sub-slab venting system with air inlet and gas extraction pipes, and a vapor barrier.

Clean Harbors Buttonwillow Facility, Clean Harbors Buttonwillow, LLC, Buttonwillow, California. Dr. Arriaga provided construction management and CQA services for construction of the liner system a new approximately 7.5-acre hazardous waste landfill cell, and final cover system an existing cell. Landfill liner system was comprised of a double composite liner, leachate detection removal and collection system, and leachate collection and removal system. Final cover system included a composite liner overlaid by a vegetative cover.

Los Angeles County Museum of Art, Building for the Permanent Collection, Los Angeles County Museum of Art, Los Angeles, California. Project Manager for CQA, construction administration and engineering design support during construction of the passive methane mitigation system for this project located within the Los Angeles methane zone.

Environmental Engineering

ECRG Community Wide Assessment, City of Huntington Park, Huntington Park, California. Dr. Arriaga is acting as the project director for an environmental assessment program encompassing

four brownfield sites. The project includes performing Phase I ESA, Phase II field investigations ESA under a grant program administered by DTSC.

PROFESSIONAL EXPERIENCE

Geosyntec Consultants, San Diego, California, 2016-Present

Gannett Fleming, Phoenix, Arizona, 2012-2016

Shannon & Wilson, Inc., Denver, Colorado, 2003-2007

REPRESENTATIVE PUBLICATIONS

2003-01. Zornberg, J. and Arriaga, F. (2003). "Strain Distribution within Geosynthetic-Reinforced Slopes" Journal of Geotechnical and Geoenvironmental Engineering, Vol. 129, No. 1, pp. 32-45.

2001-01. Arriaga, F (2001). "Strain Distribution in Geosynthetic-Reinforced Slopes Using Digital Image Analysis". Proceedings of the Geosynthetic Conference 2001, Portland, Oregon, pp. 619-629.



RICHARD P. KRAFT, P.G., C.E.G., C.HG. (CA)

Senior Consultant, Expert Hydrogeologist

**Expert Designation and Reports
Environmental Investigations
Applied Groundwater Analyses and Modeling**

EDUCATION

M.S., Geology, California State University, Long Beach, California, 1988

B.A., Geology, Humboldt State University, Arcata, California, 1980

PROFESSIONAL AFFILIATIONS AND CERTIFICATIONS

California Registered Geologist, Number 4569

California Certified Engineering Geologist, Number 1533 California

Certified Hydrogeologist, Number 202

CAREER SUMMARY

Mr. Kraft has over 35 years of diverse environmental investigation and applied groundwater analyses and solutions. He has served as a designated geology/hydrogeology expert in legal matters and has been deposed on three separate matters. A significant proportion of Mr. Kraft's experience is related to implementing and/or directing site investigations, soil and groundwater characterizations, and use of applied groundwater analyses and modeling solutions for sites in southern California. Mr. Kraft has extensive experience in submitting technical subsurface investigation and analysis reports that achieve regulatory approval from local, state, and federal regulatory agencies, including United States Environmental Protection Agency – Region 9 (USEPA), the State of California Regional Water Quality Control Boards (RWQCBs), Department of Toxics Substances Control (DTSC), and local agencies in southern California. Given the TV City Studios preliminary construction dewatering evaluation is a combination of; a) subsurface site investigation and characterization for soils and groundwater, b) development and use of a numerical groundwater model to simulate estimated groundwater conditions and approximation of excavation and dewatering methods, and c) development of a report that presents estimated dewatering quantities and cone of depression dimensions, Mr. Kraft is qualified to oversee and direct Geosyntec's work on this project. Select project experience is described below.

PROFESSIONAL EXPERIENCE

Technical Support for Litigation

Clean Water Act Litigation – Hawaii Wildlife Fund v. County of Maui, Lahaina, HI (2020 to 2021). In support of defendant County of Maui, Mr. Kraft served as the designated geology/hydrogeology expert to evaluate the fate and transport of wastewater effluent injected at depth into groundwater and subsequent migration to nearshore ocean waters. The evaluation included assessing the seven Supreme Court of the United States (SCOTUS) factors used to ascertain if a National Pollutant Discharge Elimination Permit (NPDES) would be required upon migration to federal waters. A key factor was whether the injected effluent was dispersed, diluted, and chemically transformed prior to migration to nearshore waters or whether the effluent migration was the “functional equivalent” of a direct discharge. Mr. Kraft developed the subsurface and hydrogeologic conceptual model, collaborated with the project groundwater modeler, and was co-author of Geosyntec’s expert report. He provided expert deposition testimony.

The Culver Studios Owner vs. Allied World National Assurance Company Matter, Culver City, CA (2020-2022). In 2020, Mr. Kraft provided technical support and co-authored Geosyntec’s expert technical memoranda that evaluated the nature and distribution of arsenic concentrations in excavated soil for an underground garage structure at the former studio site. His work included evaluating excavation procedures and soil sampling methods, arsenic-related guidance documents from the State of California Department of Substances Control (DTSC), and also reviewing potential anthropogenic sources and release mechanisms of arsenic that may have contributed to arsenic concentrations in soil at the site. Mr. Kraft provided deposition testimony in the matter in March 2022.

Groundwater Litigation (2007 to 2014), multiple cases in California. Mr. Kraft served as a confidential litigation consultant in a series of lawsuits that allege water quality impacts or threats of future impacts to drinking water supply wells from underground storage tank (UST) releases. The cases are located throughout California. Mr. Kraft’s team provided counsel with confidential forensic technical analyses and groundwater fate and transport modeling. His team also supported counsel with review and critique of adverse expert reports and modeling forecasts. He directed the technical arguments for a *Daubert* motion to challenge an expert’s modeling opinion in one of these cases. He evaluated the historical site assessment and soil and groundwater remediation work performed at more than 50 release sites and evaluated their potential threat to impact surface water, groundwater aquifers and drinking water supply wells.

Co-mingled Chlorinated Solvent Plume Evaluation and Modeling, El Monte, California. In support of a legal defense claim, Mr. Kraft performed technical analyses to evaluate the fate and transport of chlorinated solvent plumes (i.e., PCE and TCE) in soil and groundwater in the vicinity of the East El Monte Operable Unit of the El Monte Superfund Site. The analyses included estimates of the time and mass of solvent releases to soil and groundwater from four individual solvent release sites. Based on existing data, Mr. Kraft developed updated, detailed geologic and

hydrogeologic conceptual site models (CSMs) for the region. Also, Mr. Kraft developed a 2-dimensional numerical groundwater flow model for the site to evaluate PCE and TCE migration from the various release sites. A key objective of the model was to accurately evaluate the hydraulic influence of active supply wells with seasonally varying pumping rates in the site vicinity and their effect on the flow rate and direction of groundwater and dissolved solute migration. In addition, the modeling evaluated groundwater flow direction reversals due to seasonal variations in recharge from the adjacent Rio Hondo River. The modeling was a key tool used to link PCE and TCE detections at various supply wells with specific release sites and to evaluate remedial options. The work supported a beneficial legal outcome for Geosyntec's client.

Technical Support for Site Development

Technical Support for TV City Studios Redevelopment, 7716-7860 West Beverly Boulevard, Los Angeles. Mr. Kraft has served as Geosyntec expert in evaluating Site subsurface environmental conditions, historical groundwater conditions (i.e., depths and flow directions) in the Site vicinity, review of regional groundwater resources in the Hollywood Sub-Basin, evaluation of subsurface soil properties based on review of boring logs and CPT/HPT logs, collaborating with Geosyntec modeling specialist to develop a groundwater flow and dewatering model, and simulating projections of temporary excavation and construction dewatering quantities and cone of depression dimensions. He is co-author of Geosyntec's report, Preliminary Evaluation – Dewatering Simulation and Analysis for Temporary Excavation and Underground Parking Structure Construction (April, 2023).

1 Hornet Way Development, HC Hornet Way, LLC, El Segundo, CA (2016 to 2021) – Mr. Kraft served as Project Director for Geosyntec's environmental investigation, remediation, and regulatory compliance for the commercial redevelopment of a former aircraft manufacturing facility. A subsurface soil and soil vapor investigation was performed as part of a Phase II investigation and report. Based on the findings, a temporary soil vapor extraction (SVE) remediation system was implemented to address VOCs in soil vapor at specific areas of the subsurface. The site is located in the Los Angeles Methane Mitigation zone. Geosyntec provided an analysis and design for a sub- slab methane mitigation system. The diverse work required regulatory interaction with local and state regulatory agencies, including the City of El Segundo, Los Angeles County Fire Department, LA Regional Water Quality Control Board (LARWQCB), and DTSC. The client entered into a voluntary cleanup agreement (VCA) with DTSC that was ultimately approved. Site redevelopment is proceeding.

Environmental Site Assessment (ESA), Proposed Oilfield Property Re-development, Brea, California (1997). Mr. Kraft performed due-diligence review for a proposed multi- unit residential development at a former oil field in southern California. On behalf of a potential development investor, Mr. Kraft reviewed and evaluated Phase I environmental site investigation reports, a groundwater RI investigation report, proposed remediation activities, regulatory and permit requirements, and proposed development plans. The site included complex environmental issues, including natural surface seeps of oil, tar, and natural methane gas; potential oil/gas leaks from

abandoned oil wells; cleanup of oil field drilling sumps and dump sites; proximity to an active segment of the Whittier-Ellsinore Fault zone; and potential environmental impacts (groundwater and air emissions) from an adjacent municipal solid waste landfill facility. Mr. Kraft independently prepared soil excavation quantities and soil disposal and treatment costs to assist the client's financial analysis of the project. The evaluation and recommendations described in the assessment report provided the basis for the developer to make an informed business decision regarding investing in the development.

Applied Groundwater Analyses and Modeling

San Fernando Valley Operable Unit Feasibility Study (FS), Glendale, CA (2016 to present). Mr. Kraft serves as Geosyntec's senior hydrogeologist on the FS project with USEPA Region 9 oversight. To date, Mr. Kraft has provided technical direction and review on an updated CSM, dissolved metals plume characterization, trend analyses, data gap analysis, groundwater flow model evaluation, and existing high-capacity pump- and- treat (P&T) remedy performance evaluation. The objective of Mr. Kraft's portion of the project is to evaluate hydraulic containment performance (i.e., groundwater pumping rates and individual pumping well cone of depression dimensions) of the existing high- capacity groundwater extraction system [~5,000 gallons per minute (gpm)] using various system pumping configurations. Based on applied use of the groundwater model, Mr. Kraft has recommended alternate well-pumping rate scenarios that are designed to improve plume hydraulic migration containment (wider cone of depression dimensions).

Remediation of a Large-Scale Gasoline Release, Central Valley, California, Four Major Oil Companies, Central Valley, California (2005 to present). Mr. Kraft has served as technical and strategy consultant to client technical representatives and counsel to characterize and clean up a large gasoline UST release to groundwater (estimated at more than 80,000 gallons) at an independent station in a small town in the Central Valley of California. The work is being performed under a court-approved Settlement Agreement. The dissolved hydrocarbon plume (BTEX, MtBE, and TBA), which at one time extended more than 1,000 feet in length has been remediated and is currently approved for closure. Mr. Kraft provided technical oversight for installation and operation of the multi-faceted remediation program that included the following: a) soil excavation, soil vapor extraction (SVE), and air-sparging in the release source area; b) use of a transect of biosparge wells in the mid-plume area to develop a treatment zone to promote biodegradation; and c) design and operation of a groundwater extraction and treatment system. In collaboration with Geosyntec's groundwater modeling specialist, Mr. Kraft developed a groundwater numerical model to assess groundwater pumping rates and cone of depression dimensions to provide effective hydraulic plume control. The effective groundwater pumping system operated for more than two years at 20 gallons per minute (gpm) and reduced the plume area and mass by more the 95%. A regulatory case closure demonstration, with sequential no-further action requests and remedy system shutdowns is currently being implemented and is anticipated to be completed in 2023. The work is being performed in compliance with Central

Valley Region – RWQCB directives.

Site Characterization, Shallow-Soil Closure, LNAPL Assessment and Remediation Strategies, Cost Control, and Regulatory Advocacy, Commercial Industrial Center, Carson, CA – (2015 to present). Mr. Kraft serves as Geosyntec’s project director for a variety of environmental and groundwater consulting services for the two major oil company clients. The site is adjacent to a refinery and is crossed by multiple active and inactive pipelines. Impacts to soil, soil vapor, and groundwater have been identified from past releases of leaded gasoline and fuel oxygenates. The site is underlain by a stratified and complex sequence of clay, silt and sand layers, similar to the subject site. To date, Mr. Kraft has directed Geosyntec’s development of an updated conceptual site model (CSM), data gap analysis, soil vapor study, updated groundwater monitoring program and dissolved-phase groundwater impact delineation, and light non-aqueous phase liquid (LNAPL) evaluation and remedial design. In 2020, the project began evaluating a natural source zone depletion (NSZD) study to evaluate and address LNAPL impacts. The work is being performed in compliance with Los Angeles Region – RWQCB (LARWQCB) directives.

PFAS Investigations and Reports, Los Angeles World Airports (LAWA), Los Angeles, California (2019 to present). Mr. Kraft serves, along with Rula Deeb, Ph.D., as Geosyntec’s technical leads to direct and prepare the Per- and Polyfluoroalkyl Substances (PFAS) Investigation Work Plans and Report for Los Angeles World Airports (LAWA) to fulfill the requirements of *California Water Code (CWC) Section 13267 Order WQ 2019-0005-DWQ*. The reports present the methods and results of the implementation of the LARWQCB-approved PFAS Investigation Work Plan. Mr. Kraft directed the evaluation of the stratified, subsurface soil conditions and groundwater flow as part of the PFAS characterizations.

Bolsa Chica Wetlands Groundwater Migration Control System Monitoring, Huntington Beach, California. Following re-establishment of flow tidal and muted tidal basins in the Bolsa Chica wetlands, Mr. Kraft provided oversight of groundwater level and salinity monitoring to evaluate potential environmental changes. Mr. Kraft served as Principal in Charge for this project in which Geosyntec evaluated water level and salinity variations and trends to assess if current mitigation measures are sufficient to prevent detrimental conditions in the residential development inland of the wetlands.

City of Hermosa Beach Seawater Intrusion Evaluation, Hermosa Beach, California. The City of Hermosa Beach received grant funding from the California Coastal Commission to evaluate potential infrastructure vulnerability due to forecasted sea level rise. Mr. Kraft provided technical oversight for installation of a groundwater level and salinity monitoring network. The data were designed to assess baseline conditions as well as potential fluctuations during storm events. Following one year of monitoring, the data were used to assess potential infrastructure vulnerability such as underground electrical and cable utilities and sewer system operation. It is also expected the water level and salinity data collection will continue into the future and potentially provide calibration data for sea level rise modeling projections.

Mesquite Vista Well Field Evaluation, Mesquite Regional landfill, Imperial County, California.
Mr. Kraft provided technical direction and peer review for the evaluation of three, large-capacity supply wells. The wells were constructed of 16-inch diameter casing to depths up to 940 ft and equipped with 10-inch diameter line-shaft turbine pumps. The following work tasks were performed: a) collected groundwater samples, performed laboratory testing for geochemical and biochemical assessment, and evaluated the potential for corrosion, scaling, and biofouling of the wells, and the need for well rehabilitation; b) Conducted downhole video logging in two wells and evaluated the condition of the well casing and perforated interval; c) Installed a temporary test pump and performed step-drawdown and 8-hour constant-rate pumping tests in two production wells at pumping rates up to 1,650 gallons per minute (gpm) while monitoring water levels in three production wells and three observation wells by using In-Situ MiniTroll™ datalogger/pressure transducer devices; and d) Prepared a detailed technical report describing the results of the well field evaluation that included a compilation of historical well field hydrogeologic data, calculated aquifer transmissivity and storage coefficient values, an assessment of well specific capacity changes over time, recommended long- term operating parameters for the existing wells; and recommended short-term safe discharge rates for supplying summer peak demand (5,000 gpm).

PROFESSIONAL HISTORY

Geosyntec Consultants, Huntington Beach, CA; Portland, OR; and Long Beach, CA offices;
Associate, Senior Principal, Senior Consultant Hydrogeologist, 1998 – Present; and
IT Corporation, Irvine and San Bernardino, California; Staff to Senior Geologist/ Hydrogeologist,
1986 – 1998.

PROFESSIONAL AFFILIATIONS

National Groundwater Association Groundwater Resource Associates
LA County Bar Association – former member of Executive Committee.



Geotechnologies, Inc.
Consulting Geotechnical Engineers

439 Western Avenue
Glendale, California 91201-2837
818.240.9600 • Fax 818.240.9675

September 1, 2023
File No. 21699

Eyestone Environmental

Subject: Professional Experience and Statement of Responsibility for TVC EIR
7800 West Beverly Boulevard, Los Angeles, California
(Including 7716 – 7860 West Beverly Boulevard, Los Angeles, California)

References: *Reports by Geotechnologies, Inc.:*
Preliminary Geotechnical Engineering Investigation, revised April 22, 2021;
Addendum I – Response to Soils Report Review Letter, dated June 3, 2021;
Addendum II – Additional Geotechnical Comments, dated August 26, 2021;
Addendum III – Additional Explorations & Response to DEIR Review Comments,
dated May 16, 2023;
Subsidence Evaluation based on Dewatering Simulations Evaluation,
dated April 28, 2023.

Geotechnologies, Inc. has been providing geotechnical engineering services in the Greater Los Angeles region for over 50 years. In that time, the firm has consulted on over 22,000 projects in both the private and public sectors. Our staff of registered engineers and geologists specializes in foundation and shoring design, grading recommendations, and seismic hazard evaluation.

I, Stanley Tang, am the Principal Engineer of Geotechnologies, Inc., with more than 30 years of experience on geotechnical and foundation engineering projects, including numerous high-rise and mid-rise development, master planning, preparation of CEQA technical reports, geologic and seismic hazards evaluations and mitigations, shoring and foundation design. A copy of my professional resumé is enclosed for reference.

I am responsible for preparing the above referenced geotechnical reports, collaborating with Television City, the Architect, and other design team members and consultants on geotechnical design options related to the TVC Project. These technical reports and consultations were utilized in the Draft Environmental Impact Report (DEIR) analyses, and responses to comments, and in the Final EIR documents.

Public comments were received in response to the DEIR. Geotechnologies provided responses to comments or assisted with geotechnical related responses to comments for the following Comment Letter Nos.: 3, 11, 13, 16, 26, 35, and 444.

The referenced Addendum III report, which included additional explorations and laboratory testing for supplemental evaluation of the liquefaction potential, was prepared by this firm as part of the responses to comments. The supplemental analyses confirmed that the liquefaction potential to be low, and the conclusions presented in the referenced geotechnical report and the DEIR remain valid. Additionally, a subsidence evaluation was performed as part of the Dewatering Simulations Evaluation by Geosyntec and presented in the referenced Subsidence Evaluation letter. Based on the temporary dewatering simulation and groundwater modeling as outlined by Geosyntec, the supplemental Subsidence Evaluation confirms the DEIR's conclusion that the potential subsidence impact on the surrounding properties and structures would be less than significant.

In conclusion, I confirm that the geotechnical services provided on this Project are in accordance with the professional standard of care. The assumptions, methodologies, and conclusions in the analyses and in the responses to comments provided by this firm are technically accurate based on the Project details and descriptions provided to this firm by Television City and the established methodologies typically utilized in the development of the CEQA technical reports in the City of Los Angeles.

Should you have any questions please contact this office.

Respectfully,
GEOTECHNOLOGIES, INC.

STANLEY S. TANG
R.C.E. 56178
CIVIL



Enclosure: Professional Resumé of Stanley Tang

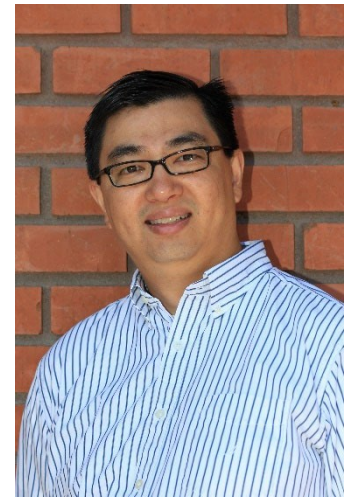


STANLEY S. TANG

PROFESSIONAL EXPERIENCE

Principal Engineer/Partner, Geotechnologies, Inc.
Glendale, CA 1997—Present

Responsibilities include: client development; marketing, preparation of proposals; planning and implementation of exploration and investigations; analyses of lab data; selection and design of foundation systems; preparation of geotechnical engineering reports; supervision and training of staff engineers and inspection technicians.



PROFESSIONAL SUMMARY

- Diverse project experience including high-rise commercial, residential, mixed-use, institutional, industrial, athletic arenas, regional shopping centers, museums, affordable and senior housing, residential tracts and subdivisions, landslide investigation and stabilization, adaptive reuse, seismic retrofits, parking structures, and entertainment/studio type projects.
- Broad experience in geotechnical design and evaluation including:
 - Shallow and Deep Foundation Design (including Driven Files, CIDH Piles, Caissons, Auger-Cast Displacement Piles, and Micropiles)
 - Tract and Hillside Grading
 - Retaining Wall and Shoring Design
 - Liquefaction Analyses and Mitigation
 - Ground Improvements
 - Landslide Investigation, Analyses, and Stabilization
 - Tunnel Design (Jacked Box Tunneling)

RELEVANT PROJECTS *(Partial List)*

Residential/Office/Mixed-Use Development

- AEG – L.A. Live (Olympic East, Olympic West, 55-story hotel tower, and Nokia Theater)
- Oceanwide – 50-story and two 45-story hotel and residential towers
- Maguire Partners / Brookfield Properties – 60-story mixed-use residential tower
- SCG America – 34-story mixed-use residential tower
- Mitsui Fudosan America – 41-story and 45-story mixed-use towers
- CIM – 36-story residential tower
- Bednar – 33-story residential building
- Jamison Properties – 25-story, 30-story, and 41-story residential towers
- Metcom – 30-story mixed-use tower
- SM 10000 Property, LLC – 40-story residential tower
- CH Palladium – two 32-story mixed use towers
- Walter Marks – 42-story mixed use tower
- The Vermont – two 30-story residential towers
- Pacific Design Center – The Red Building

Museums

- California Science Center (Samuel Oschin Air and Space Center – Space Shuttle Endeavour)
- Korean American National Museum

Entertainment

- Disney Grand Central Creative Campus
- Dreamworks Expansion Annex Building
- CBS Studios
- Warner Brothers Studios – Main Lot
- Warner Brothers Studios – Ranch Lot Master Planning
- Sony Studios
- The Burbank Studios
- Sunset Bronson Studios and Sunset Gower Studios
- Kilroy – Netflix on Vine and Netflix EPIC
- Egyptian Theater Renovation

Public Agencies/Municipalities

- California Air Resource Board Testing and Research Facility (40-acre campus)
- Los Angeles County Mental Health Administration Office Tower (21-story office tower)
- City of Burbank – Municipal Building, Library, and Parking Structure
- City of West Hollywood – West Hollywood Library, West Hollywood Park and Gymnasium
- City of Santa Monica – City Hall Expansion and City Yard Masterplan
- City of Manhattan Beach – Manhattan Beach Library
- City of Costa Mesa – Donald Dungan Library and Community Center Renovation

Higher Education

- UCLA – Pauley Pavillion Expansion, Engineering Building V and VI
- USC – Galen Center and The Village
- UCI – Gavin Herbert Eye Institute, School of Business Unit 2, College of Health Sciences
- California Institute of Technology Chen Neuroscience Research Building
- Emerson College Los Angeles Center

Regional Shopping Centers

- The Oaks Mall Expansion (Thousand Oaks)
- Manhattan Village Shopping Center Expansion (Manhattan Beach)
- The Source OC (Buena Park)
- Del Amo Fashion Center Expansion (Torrance)
- The BLOC Renovation (Los Angeles)

EDUCATION

- University of California, Los Angeles, Bachelor of Science in Civil Engineering, 1992

PROFESSIONAL DEVELOPMENT

- Registered Civil Engineer, R.C.E. 56178, State of California, 1996
- Member of American Society of Civil Engineers (ASCE)
- UW Madison, Slope Stability and Landslides
- UW Madison, Pile and Pier Analysis, Design and Installation
- ASCE Design and Construction of Pile Foundations
- ASCE Earthquake-Induced Ground Motion
- ASCE Tunnel Design and Construction
- DFI Deep Foundation Design and Construction for Seismic Loads
- DFI Soil Mixing Seminar
- Geopier Technical Workshop



MEMO

DATE: August 14, 2023

TO: Eyestone Environmental

FROM: Brian Powers, P.E., Principal, KPFF

RE: Professional Experience and Statement of Responsibility for TVC EIR

I am a registered professional civil engineer in the State of California with experience in the preparation of CEQA technical analysis and reports addressing the topics of public utilities and water resources. I have been practicing civil engineering with KPFF in Los Angeles for twenty years on a variety of projects, including studios, mixed-use residential, commercial, office, civic, health care, education, and public works, as well as specific plan projects. Our firm KPFF was founded in 1960 and provides civil engineering, surveying, and structural engineering services. My collaborators on this project include engineers with experience in the preparation of CEQA technical reports under my supervision, including Kevin Yu, Project Manager.

KPFF collaborated with the Television City the Architect, and other sub-consultants to develop proposed conceptual design options for the specific plan. KPFF evaluated the proposed design options and the specific plan by estimating the maximum earthwork associated with the Project, coordinating with relevant utility purveyors for the proposed Project, and designing potential storm water treatment options for the Project. KPFF prepared the Hydrology and Water Quality Technical Report (Appendix H of the Draft EIR) and the Utility Infrastructure Technical Report: Water, Wastewater and Energy (Appendix O of the Draft EIR). These analyses, along with that of other technical experts, was used in the preparation of the Draft EIR. As discussed therein, the Project's potential impacts related to hydrology, water quality, utilities and service systems would be less than significant. In response to the Draft EIR, the Project received numerous comments and KPFF provided a response to or assisted with civil engineering, utility infrastructure, and hydrology related responses to the following Comment Letter Nos: 13, 16, 26, 127, 223, 348, 369, 511, 524, and 582.

In conclusion, we confirm that our services on this Project are in accordance with the professional standard of care. Our assumptions, methodologies, and conclusions in the analysis and reports prepared for the EIR and in the responses to comments which we prepared are technically accurate based on the Project details and descriptions made available to us by Television City and the established methodologies typically utilized in the development of CEQA technical reports in the City of Los Angeles.



Brian Powers^{PE}

Managing Principal | Principal-in-Charge

Education

Bachelor of Science Mining and Minerals Engineering, Virginia Tech, Blacksburg, VA

Registration

Professional Engineer:
CA (C75902)
WA (55061)

Affiliations

American Society of Civil Engineers

Brian is a Civil Principal with KPFF's Los Angeles office. He has a proven track record exceeding expectations consistently on a range of developments in the Southern California market. Since joining KPFF in 2003, Brian has worked on a variety of project types, from academic, multi-family and affordable housing buildings to public and civic institutions, mixed-use high-rises, and public works.

Brian coordinates directly with the client and project team to understand expectations and communicate issues related to the civil scope of work. In addition, Brian builds a project team from competent and experienced engineers, surveyors, and staff developing clear expectations and providing strong leadership throughout all the phases of the project. He will be responsible for delivery of the civil engineering scope and work closely with the entire design team to coordinate between the disciplines.

1111 Sunset Boulevard Mixed-Use EIR and VTTM | Los Angeles, CA
8th and Grand/Hope Mixed-Use Tower EIR | Los Angeles, CA
Academy Museum of Motion Pictures EIR | Los Angeles, CA
Art Center College of Design Master Plan EIR | Pasadena, CA
citizenM Hotel Hollywood EIR | Hollywood, CA
District NoHo EIR and VTTM | Los Angeles, CA
Hollywood and Gower Mixed-Use Tower EIR | Los Angeles, CA
Hollywood Center Mixed-Use Towers EIR | Los Angeles, CA
Inspire Hollywood at 1524 Cassil Place EIR | Los Angeles, CA
LACMA EIR and Airspace Vacation | Los Angeles, CA
LACMA Ogden Drive Street Vacation | Los Angeles, CA
Lightstone Hotel Tower at Fig + Pico EIR | Los Angeles, CA
Los Angeles Convention and Event Center EIR | Los Angeles, CA
Morrison Hotel EIR | Los Angeles, CA
SOLA Village EIR | Los Angeles, CA
Space 1520 Mixed-Use Tower EIR | Los Angeles, CA
Sunset Bronson Lot A EIR | Los Angeles, CA
Sunset Gower Studios Master Plan and EIR | Los Angeles, CA
Sunset Las Palmas Eleanor Street Vacation | Los Angeles, CA
Times Mirror Square Mixed-Use Tower EIR | Los Angeles, CA



Kevin Yu ^{PE}

Associate | Project Manager

Education

Bachelor of Science, Civil Engineering

Bachelor of Science, Environmental Engineering, University of California Irvine, Irvine, California

Registration

Professional Engineer: CA (C83429)

Kevin is a passionate, hard-working Project Manager who excels at client service, communication, and attention to detail. During his time with KPFF, Kevin has been responsible for the development of civil engineering designs on projects from planning throughout construction. Kevin excels at client contact, overall project coordination, and the management of project fees and schedules.

A firm believer that exceptional coordination in design and construction provides the framework for a successful project, Kevin seeks to solve problems and build cohesion on every project team through steady communication.

Concept Design and Entitlement Support of Confidential Project in Santa Monica Mountains | Los Angeles, CA

Concept Design and Entitlement Support for Modelo | Commerce, CA

Rady Children's Hospital Masterplan Project | San Diego, CA

Design and Entitlement Support for Rady Children's Hospital Masterplan Phase 1 Project | San Diego, CA

The Grand | Los Angeles, CA

West Edge | Los Angeles, CA

Los Angeles Convention Center Expansion Schematic Design | Los Angeles, CA

To	Eyestone Environmental	Project number
		2021124
Cc		File reference
		M-TVC-2023.09.15
From	Sean Bui, P.E.	Date
		September 21, 2023
Subject	Professional Experience and Statement of Responsibility for TVC EIR	

Sean Bui, principal at Acoustical Engineering Services Inc (AES), is an expert in acoustics consulting, with 34 years of experience in the area of noise and vibration with an emphasis on environmental noise studies. AES provides a full range of acoustical and structural vibration consulting services related to the project entitlement process, and project design and construction administration services. In addition, Amir Yazdaniyaz, a principal at AES with 38 years of experience, also worked on the TVC Project EIR analyses, reports and responses to comments. Together, AES principals bring over 70 years of combined experience providing acoustical and structural vibration consulting, including environmental noise and vibration studies for all types of projects. AES principals have prepared over 200 environmental noise studies pursuant to California Environmental Quality Act (CEQA) requirements, including projects for the City of Los Angeles. Both Sean and Amir are licensed engineers in the State of California. Please see attached resumes for Sean Bui and Amir Yazdaniyaz for more detail information.

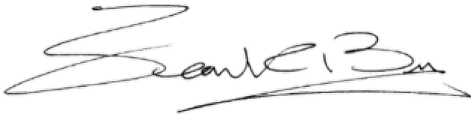
Sean has prepared a number of technical noise studies, in support of CEQA documents, for large complex projects (e.g., large master plans and studios), including: Paramount Pictures Master Plan, Sunset Bronson Studios Entertainment Center, Sunset Gower Studios Enhancement Plan, 8th & Alameda Studios, Disney | ABC Studios at the Ranch, Fox Studios Master Plan, Universal Studios, District NoHo Project, Crossroads Hollywood, and USC Development Plan.

Sean's role in the TVC Project EIR is principal acoustics consultant, and at this capacity he prepared the Project Draft EIR noise and vibration analyses (*Section IV.I, Noise, and Appendix J, Noise Calculation Worksheets*), assisted the Project team with preparation of the responses to public/agency comments, and performed supplemental noise analyses for the Final EIR in response to comments. AES principals prepared the technical environmental noise and vibration impacts analysis for the Draft EIR. In addition, AES principals drafted the responses to comments and reviewed for technical accuracy all noise and vibration related responses to comments in the following Comment Letter Nos.: 16, 26, 28, 35, 54, 66, 75, 76, 85, 102, 102, 113, 122, 127, 128, 141, 147, 160, 161, 164, 172, 177, 179, 189, 219, 227, 232, 233, 234, 236, 247, 255, 270, 277, 280, 296, 298, 299, 301, 310, 314, 329, 336, 337, 392, 394, 396, 400, 401, 412, 413, 415, 470, 471, 473, 481, 483, 492, 493, 503, 507, 591, 548, 556, 589, 590, and 602.

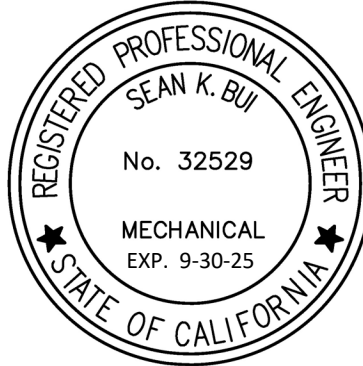
As part of the Final EIR, AES prepared supplemental noise analyses in response to comments, including on-site construction staging, on-site mobility hub, basecamp and outdoor production activities, on-site vehicle operation, outdoor gathering, parking facilities, and noise and vibration impacts at the Gilmore Adobe. The supplemental noise and vibration analyses confirm the conclusions of the Draft EIR.

I, Sean Bui, confirm the factual and technical accuracy of the assumptions, methodologies and conclusions in the analyses and in the responses to comments that AES principals prepared and reviewed.

Sincerely,



Sean Bui, P.E.



Attachments:

- Professional Resumes of Sean Bui and Amir Yazdanniyaz

QUALIFICATIONS & CERTIFICATIONS

B.S., Electrical Engineering,
California State University
Northridge, 1989

Registered Professional Engineer (P.E.),
State of California, #M32529

PROFESSIONAL HISTORY

Principal, Acoustical Engineering
Services, 2009 - Present

Principal Consultant, PCR Services
Corporation,
2006 - 2009

Senior Consultant, Arup Acoustics, 1997
- 2006

Senior Engineer, Parsons, 1994 - 1997

Consultant, Bolt Beranek &
Newman/Acentech, 1988 - 1994

PROFESSIONAL AFFILIATIONS

Acoustical Society of America

Institute of Noise Control Engineering

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers

PAPERS & PUBLICATIONS

"Deep Dynamic Compaction Ground-
borne Vibration Generation", Noise-
Con, 2010

"Mechanical Systems Noise Issues -
Case Studies," Presented at the
Buildings for Advanced Technology
Workshop II, 2005

"A Case Study of Noise Generation by
an Outdoor, Cable Driven Team,"
Inter-Noise, 1999

"Determining a Construction Vibration
Criteria and Monitoring Procedure
for a Hospital Located Near a Transit
way Project," Inter-Noise, 1995

"Siting the NIST Advanced Technology
Laboratories: Consideration of
Transportation-Induced Vibration,"
Transportation Research Board, 1995

"Aircraft Sound Insulation Study of a
School Building," Sound and
Vibration, 1993

PROFESSIONAL EXPERIENCE

Sean Bui has 34 years of experience in the field of noise and vibration with emphasis in environmental noise studies, building services noise and vibration control, building structural vibration, and transportation noise. During his career, Mr. Bui has conducted and prepared numerous technical noise impact studies for a wide range of projects involving complex noise issues. Sean has extensive experience in preparing technical noise and vibration study for compliance with California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requirements.

REPRESENTATIVE PROJECTS

- **TVC 2050 Project EIR, Los Angeles, California** – Technical noise study for the proposed 1,600,000 sf of new development, including sound stages, production support, production office, general office, and retail.
- **8th and Alameda Studios IS/MND, Los Angeles, California** – Technical noise study for the proposed renovation (582,000 sf) and new construction (250,000 sf) of soundstages, support/office, office, and mill/shops.
- **Sunset Gower Studios Enhancement Plan EIR, Hollywood, California** – Technical noise study for the proposed 616,000 sf of new creative office and production support development.
- **Paramount Pictures Master Plan Project EIR, Hollywood, California** – Technical noise study for the proposed 1,900,000 sf of new stage, production office, support office, and retail uses.
- **Sunset Bronson Studios Entertainment Center EIR, Hollywood, California** – Technical noise study for the proposed 391,000 sf of new office spaces and seven-story parking structure.
- **USC Development Plan EIR, Los Angeles, California** – Technical noise impact analysis for the proposed 2,500,000 sf development, including academic and university uses, commercial/retails, hotel and residential uses.
- **Disney | ABC Studios at the Ranch EIR, Santa Clarita Valley, California** – Technical noise study for the proposed studio development with sound stages, production offices, mills, warehouse, a commissary, administration building, and a central utility plant.
- **222 West 2nd Project EIR, Los Angeles, California** – Technical noise impact study for the proposed 30-story mixed-used building, which includes 107 residential units, 7,200 sf of commercial retail, and 534,000 sf of office spaces.
- **Arroyo Seco Music and Art Festival EIR, Pasadena, California** – Technical noise study for the proposed music and art festival at the Rose Bowl Stadium complex and Brookside Golf Course.
- **Crossroads Hollywood EIR, Los Hollywood, California** – Technical noise impact study for the proposed project, which includes; Main Building replacement, diagnostic and treatment expansion, New Patient Wing, and parking structure.

QUALIFICATIONS & CERTIFICATIONS

B.S., Mechanical Engineering,
Kansas State University

B.S., Civil Engineering,
Kansas State University

Registered Professional Engineer (P.E.),
State of California, #M26982

PROFESSIONAL HISTORY

Principal, Acoustical Engineering
Services, 2009 - Present

Director of Acoustics, Associate
Principal, PCR Services Corporation,
2006 - 2009

Associate Principal, Arup Acoustics/
Ove Arup, 1992 - 2006

Senior Consultant, Bolt Beranek &
Newman/Acentech, 1986 - 1992

Consultant, Coffeen Anderson Fricke &
Associates, 1984 - 1986

PROFESSIONAL AFFILIATIONS

Acoustical Society of America

Institute of Noise Control Engineering

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers

National Council of Acoustical
Consultants

PAPERS & PUBLICATIONS

"Deep Dynamic Compaction Ground-
borne Vibration Generation",
Noise-Con, 2010

"Mechanical Systems Noise Issues -
Case Studies," Presented at the
Buildings for Advanced Technology
Workshop II, 2005

"Design of Vibration Sensitive
Laboratory Floors," Architectural
Engineering, 2003

"Noise Control in Research
Laboratories," Noise-Con, 1994

"Railroad Track Noise and Vibration
Impact Study and Soundwall
Design," Transportation Research
Board, 1993

"Aircraft Sound Insulation Study of a
School Building," Sound and
Vibration, 1993

PROFESSIONAL EXPERIENCE

Amir Yazdanniyaz has 38 years of consulting experiences in California and throughout the United States as well Hong Kong, and the United Kingdom. During his career, Mr. Yazdanniyaz has demonstrated experience in all aspects of building acoustics, noise control, environmental assessment, and transportation analysis. He has developed a particular expertise in designing noise and vibration control measures for building services mechanical equipment. In addition, Amir has managed numerous environmental noise impact studies involving complex noise issues. He has participated in public presentations of noise assessment documents on behalf of community groups, facility owners and environmental consultants.

REPRESENTATIVE PROJECTS

- **TVC 2050 Project EIR, Los Angeles, California** – Technical noise study for the proposed 1,600,000 square feet of new development, including sound stages, production support, production office, general office, and retail.
- **Sunset Gower Studios Enhancement Plan EIR, Hollywood, California** – Technical noise study for the proposed 616,000 square feet of new creative office and production support development.
- **Paramount Pictures Master Plan Project EIR, Hollywood, California** – Technical noise study for the proposed 1,900,000 square feet of new stage, production office, support office, and retail uses.
- **Sunset Bronson Studios Entertainment Center EIR, Hollywood, California** – Technical noise study for the proposed 391,000 square feet of new office spaces and seven-story parking structure.
- **Arroyo Seco Music and Art Festival EIR, Pasadena, California** – Technical noise study for the proposed music and art festival at the Rose Bowl Stadium complex and Brookside Golf Course.
- **Wilshire Grand Redevelopment EIR, Los Angeles, California** – Technical noise impact study for the proposed mixed-used development, including office spaces, hotel and residential uses.
- **USC Development Plan EIR, Los Angeles, California** – Technical noise impact analysis for the proposed development, including academic and university uses, commercial/retails, hotel and residential uses.
- **Convention and Event Center EIR, Los Angeles, California** – Technical noise study for a proposed 72,000-seat multi-purpose Event Center, renovation/construction of approx. 500,000 square feet of convention spaces, and parking structures.
- **Century City Mixed Use Development EIR, Los Angeles, California** - Technical noise study for a mixed-use residential/commercial development, including hotel and residential development.

HISTORIC RESOURCES GROUP

12 S. Fair Oaks Avenue, Suite 200
Pasadena, CA 91105

Tel 626-793-2400
historicrosourcesgroup.com

MEMORANDUM

TO: EYESTONE ENVIRONMENTAL

FROM: PAUL TRAVIS, MANAGING PRINCIPAL

DATE: SEPTEMBER 25, 2023

SUBJECT: PROFESSIONAL EXPERIENCE AND STATEMENT OF
RESPONSIBILITY FOR TVC 2050 EIR

My name is Paul Travis, and I am Managing Principal of Historic Resources Group (HRG) located in Pasadena, California. HRG was established in 1989 and is a leading firm devoted solely to historic preservation planning, historic architecture consulting, and development services for historic resources in California. Our services include conducting historic resources surveys; environmental review of cultural resources; advising clients during all phases of rehabilitation projects on compliance with the Secretary of the Interior's Standards; and identifying, evaluating, and nominating historic resources at the local, state, and national levels. (See attached firm profile for more information.)

HRG contributed to the TVC 2050 Project's EIR by preparing or participating in the preparation of the following:

- Preparation of the TVC 2050 Project's historical resources CEQA technical report. The technical report identified historical resources potentially impacted by the Project and analyzed potential impacts to historical resources as a result of the proposed Project.
- Review and editing of the EIR section(s) related to historical resources.
- Authored, edited and/or reviewed for technical accuracy responses to historic resources-related comments on the Draft EIR. HRG drafted and reviewed responses to comments specific to historical resources identification, methodology, and impacts analysis as well as more general comments regarding historical resources. HRG prepared

Topical Response No. 5, Historical Resources, of the Final EIR. Additionally, HRG responded to individual comments regarding historical resources. The comment letters that included comments specific to historical resources that HRG wrote responses for and/or reviewed for technical accuracy are as follows: Comment Letter Nos. 5, 9, 19, 20, 26, 28, 35, 41, 43, 60, 65, 76, 79, 85, 106, 152, 174, 176, 179, 186, 199, 204, 205, 209, 214, 232, 246, 251, 256, 257, 261, 266, 278, 284, 306, 307, 329, 337, 363, 373, 381, 389, 401, 436, 439, 444, 459, 474, 481, 486, 498, 499, 528, 538, 553, 602, and 605.

- Review and editing of supplementary corrections and clarifications made to the historical resources technical report in response to comments. These are the replacement of Figure 12 with an updated figure and adding brief clarifying statements in sections 9.6 and 9.9.

I served as the Project lead and primary author for this effort. In addition to myself, various research, evaluation, field inspection, and analytical tasks were also conducted by Peyton Hall, Principal Architect Emeritus, and Robby Aranguren, Planning Associate/GIS Specialist. (See the attached resumes for more information.)

I confirm the factual and technical accuracy of the assumptions, methodologies and conclusions in the technical analyses, responses to comments, and corrections prepared and reviewed by HRG.

Paul D. Travis AICP
Managing Principal



Attachments:

- *HRG Firm Profile*
- *Professional Resume for Paul Travis, AICP*
- *Professional Resume for Peyton Hall, FAIA*
- *Professional Resume for Robby Aranguren*

To: Television City Studios, LLC
From: Adam Giacinto, Senior Archaeologist, Dudek
Date: September 28, 2023
Subject: Professional Experience and Statement of Responsibility for TVC EIR

Adam Giacinto, MA, RPA, has more than 18 years of experience as an archaeologist and cultural anthropologist working in Cultural Resources Management (CRM). Mr. Giacinto is supported by a team of qualified cultural resources specialists, including Linda Kry, BA, RA (15 years of experience), Jennifer De Alba, BA (5 years of experience), Kira Archipov, BA (3 years of experience), and Micah Hale, PhD (27 years of experience). Together, this team presents a cumulative experience of 68 years. Mr. Giacinto, Ms. Kry, and Dr. Hale are senior environmental staff and cultural resources project managers at Dudek. These individuals prepared the Tribal Cultural Resources Report, co-authored the Archaeological Resources Report with SWCA, and co-authored response to comments with SWCA for the TVC 2050 Project.

Dudek has over 700 employees nationwide and specializes in CEQA- and NEPA-related environmental compliance. Dudek has provided environmental services to more than 70 California cities and municipal agencies on both a project basis and as an on-call consultant. Mr. Giacinto and Dr. Hale are listed professional consultants on local registers (i.e., California Historical Resource Information System [CHRIS] consultant's list) and with the Register of Professional Archaeologists (RPA). Ms. Kry is a listed Registered Archaeologist. These individuals are recognized specialists with regard to regional archaeological and Tribal Cultural Resources, have drafted dozens of Tribal Cultural Resources reports within the City of Los Angeles alone and hundreds of archaeological resources investigations.


Adam Giacinto received his MA from San Diego State University (SDSU). He completed his MA Thesis on the history of CRM practice and regulations, which, outside of in-depth review of the regulatory requirements of CRM, also included numerous interviews with regional archaeologists, agency staff, and Native American representatives. Mr. Giacinto has experience in completing and managing most facets of CRM, from records searches, surveys, excavations, to drafting environmental documents and programmatic management strategies. His current research focuses on the social, historical, archaeological, and political mechanisms surrounding heritage values. He has gained practical experience in archaeological and ethnographic field methods while conducting research in the Southwest, Mexico, and Eastern Europe. As primary Dudek archaeological and tribal resources consultant, Mr. Giacinto manages and works on cultural resources projects for California High-Speed Rail, California Department of Water Resources (DWR) state-wide Operations and Maintenance (O&M) contract, and other projects throughout California, western Arizona, and western Nevada.

Linda Kry received her BA from University of California, Los Angeles in Anthropology and is an archaeologist specializing in various aspects of cultural resources investigations within Southern and Central California. Ms. Kry's experience includes archival research, reconnaissance surveys, artifact analysis, assisting CEQA lead agencies with Assembly Bill 52 and Senate Bill 18 notification and consultation process, and authoring technical reports pursuant to CEQA and Section 106 of the NHPA. Ms. Kry's extensive experience includes the management of cultural resources specialists in support of various aspects of cultural resources compliance, construction monitoring, Native American consultation,

archaeological testing and treatment, and prehistoric and historical resource significance evaluations. Ms. Kry coordinates multiple projects throughout southern California, notably for LADWP and LADPW

Dr. Hale received his PhD in Anthropology from UC Davis and completed his dissertation on groundstone technology within the southern California region. He has served as a principal investigator in the public and private sector for all levels of archaeological investigation, as a public outreach coordinator and as an assistant professor at the University of California, Davis. Dr. Hale has supervised numerous large-scale surveys, test excavations, data recovery programs, and geoarchaeological investigations, served as a third-party review consultant, and an expert witness in legal proceedings. He has authored research designs, management and treatment plans, proposals, preliminary and final reports, and technical analyses.

Dudek co-authored and reviewed responses to archaeological and tribal resources related comments in Comment Letter Nos. 13, 26, 35, 41, 285, 323, 403, and 525. We affirm the factual and technical accuracy of the assumptions, methodologies, and conclusions in the EIR analyses and in the responses to comments that we prepared and reviewed.


Adam Giacinto, MA, RPA
Senior Archaeologist

Attachments:

- Professional Resumes of Senior Archaeological Staff, Adam Giacinto, Linda Kry, and Micah Hale

Adam Giacinto, RPA

SENIOR ARCHAEOLOGIST

Adam Giacinto is an archaeologist and ethnographer with 19 years' experience preparing cultural resource reports, site records, and managing archaeological survey, evaluation, and data recovery-level investigations. His research interests include prehistoric hunter-gatherer cultures and contemporary conceptions of heritage as represented within the regulations. He has gained practical experience in archaeological and ethnographic field methods while conducting research in the Southwest US, Mexico, and Eastern Europe. He brings experience implementing and managing all scales of projects and is experienced in compliance requirements for local, state, and federal regulatory contexts. He specializes in local development, ethnography, sensitivity modeling and cultural resources compliance projects.

Project Experience

Operations and Maintenance On-Call, Department of Water Resources. As primary Dudek archaeological and tribal resources consultant, Mr Giacinto manages cultural resources projects for DWR. A partial list of these include the Cultural Resources Inventory for the B.F. Sisk Dam Safety of Dams Modification Project, Strategic Reliability Reserve Projects (4 projects), Delta Dams Raise Project (three reservoirs), MP 230 Project, and Upper Feather River Projects (three dam locations) and preparation of a Programmatic Approach for Cultural resources for DWR.

Wildlife Services Program EIR-EIS, CDFW/USDA. Dudek has developed template letters to be used for tribal notification, follow up, and consultation for this project. Dudek drafted, and mailed letters on behalf of CDFW, letters to all 216 NAHC-listed contacts in the state of California. Responses received are tracked, reviewed with the agency, and responded to. In addition, outreach letters prepared by the USDA were reviewed and modified for the purposes of Section 106 consultation.

Alameda County Water District Project, California. As principal cultural investigator, coordinated a records search, NAHC sacred lands file search, tribal outreach, and preparation of a constraints study, report and monitoring plan, and IS/MND under CEQA and Section 106. Included 100 square mile sensitivity model of known and buried cultural resources by applying a weighted geologic, soils, geotechnical, slope, landscape, and previous technical study information.

Tribal Cultural Resources (TCR) Studies, City of Los Angeles Planning Area (2015-Present). Mr Giacinto has acted as principal investigator on more than 35 TCR studies throughout the City of Los Angeles planning area. The goal of these investigations is to review the archaeological, historical, academic, and ethnographic record for potential TCR information, then ground contemporary AB 52 consultation information in this context while providing recommendations related to reasonable approaches for management



Education

San Diego State University
MA, Anthropology, 2011
Santa Rosa Junior College
AA, Anthropology, 2004
Sonoma State University
BA, Anthropology/
Linguistics, 2006

Professional Affiliations

Register of Professional Archaeologists
Society for California Archaeology American Anthropological Association
American Anthropological Association

Santa Margarita Water District Hidden Ridge Project, Orange County, California. As principal investigator, Mr. Giacinto managed the survey, SCCIC archival searches, tribal correspondence, and reported management recommendations for a cultural resources inventory. The proposed intersection two NRHP-listed resources and a NRHP-listed archaeological district. Mr. Giacinto developed and managed testing efforts to appropriately define significant deposits and prepared a monitoring plan. Considerations included compliance under CEQA and Section 106 of the NHPA, and project was successfully permitted.

Pure Water Plan Constraints Study and PEIR, City of San Diego, California. As Principal investigator and field director, Mr. Giacinto managed preparation of a constraints study for the Pure Water Project. Work involved a records search of over 100 mile linear miles of San Diego. Site record information from more than 1,236 cultural resources was processed, coded, and integrated within a geospatial sensitivity model to identify archaeological and built environment constraints throughout the proposed alignment. This information was integrated within a PEIR and is currently being used to assist with management planning through the project alignment. Maps were then generated using generalized grid units (1000 x 1000 meters in size) to provide a visual model of relative archaeological resource sensitivity while maintaining the appropriate level of confidentiality for public dissemination to assist in planning.

Lake Cahuilla Management Plan, Riverside County, California. As project archaeologist and lead analyst, led in the formation of a standardized database associated with ancient Lake Cahuilla. Performed GIS data integration and predictive analysis, data entry of site record information, and completed multi-day, multi-person record search for Riverside County.

Pacific Gas& Electric Vegetation Management, Central Valley and Western Central Sierras, California. As Co-Principal archaeological investigator, Mr. Giacinto collaboratively coordinates a team in completing survey, monitoring, cultural reviews, tribal coordination, and other related documentation required for PG&E vegetation management projects throughout the Central Valley and western Sierra Nevada's. To date, 400 task orders for individual projects have been completed.

California High Speed Rail, Fresno-Bakersfield, California. As principal investigator, oversees, implements, and reports upon cultural inventory, evaluation, data recovery and compliance efforts under Section 106 of the NHPA, Federal Rail Authority, CEQA, and local Guidelines for Fresno to Bakersfield section. Oversight of Native American monitors, built environment specialists and archaeologists, management of cultural monitoring implementation and site treatment, client reporting, meetings and report preparation. Implementation of mitigation included exploratory archaeological investigations at multiple NAHC-eligible resources.

McCoy Solar Energy Project and Blythe Solar Power Project, Blythe, California. As principal investigator, Mr. Giacinto supervised, implemented, and reported upon compliance efforts for construction of more than 4000 acres of solar work under Section 106 of the NHPA, BLM Guidelines, CEQA, California Energy Commission, and County of Riverside Guidelines. Mr. Giacinto was the lead multiple formal trainings with monitors and council members from the Colorado River Indian Tribes regarding federal and state regulations relating to human remains, County and BLM guiding documents, identification of cultural material, and the multiple understandings of "cultural resources".

Buttonbush Solar, (undisclosed location in southern Central Valley, California. As Principal archaeological investigator, Mr. Giacinto coordinated a SSJIC records search, NAHC and Native American information outreach, archaeological survey of more than 13,000 acres, DPR 523 building forms, and preparation of a technical report under CEQA regulatory context. Work for this project remains ongoing.

Linda Kry, RA

Archaeologist

Linda Kry is an archaeologist with 15 years experience in cultural resource management specializing in various aspects of cultural resources investigations. Ms. Kry's experience includes archival research, reconnaissance surveys, archaeological excavations, artifact analysis, and authoring technical reports pursuant to the California Environmental Quality Act and Section 106 of the National Historic Preservation Act.

Education

*University of California, Los Angeles
BA, Anthropology, 2006*

*Cerritos College
AA, Anthropology, 2004*

Project Experience

San Jacinto II Wind Energy Repowering Project, Terra-Gen, LLC, Palm Springs, California. The project involves the decommissioning of approximately 126 existing wind turbines and the construction and operation of up to seven new wind turbines on private lands under the jurisdiction of the City of Palm Springs and on federal lands administered by the Bureau of Land Management. Responsibilities as technical lead include the management of a Phase I cultural resources study in compliance with the provisions of local regulations, CEQA, and Section 106 of the National Historic Preservation Act of 1966. (December 2018–Present)

Kaiser Permanente Moreno Valley Medical Center Master Plan, Kaiser Permanente, Moreno Valley, California. Kaiser Permanente is proposing the development of an approximately 400-bed hospital, hospital support buildings, outpatient medical office buildings, a central utility plant, and surface and structured parking within their existing hospital campus through a three-phase plan. The City of Moreno Valley is the lead agency under CEQA. As the technical lead for the project, responsibilities include the management of a Phase I cultural resources study. (November 2018–Present)

City of Colton Modern Pacific 88-DU Residential Project, City of Colton, Colton, California. Technical lead for a Phase I cultural resources study and Extended Phase I subsurface probing effort in accordance with CEQA. The City of Colton is proposing the development of 89-detached single-family homes on an approximately 41.58-acre site within a single tract. (November 2018–Present)

Protea Memory Care Facility Project, City of San Juan Capistrano, San Juan Capistrano, California. Technical lead for a Phase I cultural resources study in accordance with CEQA and subject to California Assembly Bill 52 and Senate Bill 18, in support of a project that proposes to construct a 59-unit (72-bed) memory care facility. (September 2018–November 2018)

Coronado Trunk Line Project, Los Angeles Department of Water and Power, Los Angeles, California. Technical lead for a Phase I cultural resources study pursuant to CEQA and Section 106. Los Angeles Department of Water and Power is proposing to construct a new 30-inch diameter welded steel pipe, approximately 7,200 feet in length, along with a regulating and relief station vault and flow master vault. The proposed trunk line would add reliability and redundancy to the system. (September 2018–October 2018)

River Supply Conduit Unit 7 Project, Los Angeles Department of Water and Power, Los Angeles and Burbank, California. Technical lead and monitoring coordinator for the River Supply Conduit (RSC) Unit 7 Project. The existing River Supply Conduit (RSC) is a major transmission pipeline in the LADWP water distribution system. The Project is critical to meet safety of water supplies, reliability of water infrastructure, and sustainability of water supply. (August 2018–Present)

Sand Canyon Resort, City of Santa Clarita, Santa Clarita, California. Served as technical lead for a cultural resources study for a project that proposes to develop an abandoned, approximately 75-acre existing open space into a new resort and spa in an effort to become the premiere golf destination in northern Los Angeles County. Tasks include management of the technical study including the archival research, pedestrian survey, and reporting of the study results. Additionally, authored the Cultural and Tribal Cultural Resources chapters for the Environmental Impact Report (August 2018–December 2018)

Creek at Dominguez Hills, Plentitude Holdings LLC, Carson, California. Served as contributing author for the environmental impact report for a development project that consists of approximately 532,500 square feet of buildings, including: a multiuse indoor sports complex; youth learning experience facility; indoor skydiving facility; public golf recreation facility; marketplace; clubhouse; recreation and dining center; a sports wellness center; and restaurants. Alternatively, a specialty grocery store may be developed in place of some of the restaurant uses. (August 2018–December 2018)

Relevant Previous Experience

Amapa Archaeology Project, Amapa, Oaxaca, Mexico. Served as excavator and lab analyst for an archaeological academic research project in the town of Amapa, located in the Mexican state of Oaxaca. Amapa was founded in 1769 by black runaway slaves, who fled sugar plantation slavery in central Veracruz. Using a 1770 plan map and colonial documents, the project focused on excavations around an 18th century church where shallow colonial period deposits were previously encountered in 2017. The fieldwork was conducted in an effort to address research questions regarding the town's use of architecture and space, and whether the evidence is accurately reflected in the 1770 map. (June–July 2018)

Los Angeles International Airport (LAX) Midfield Satellite Concourse, Los Angeles, California. Served as field director for archaeological and paleontological monitoring project associated with the creation of a new aircraft passenger concourse and associated elements at LAX. Responsibilities included coordinating with company personnel and project contractors, scheduling, and recordation and collection of field data. (April 2017–December 2017)

Los Angeles Metropolitan Transportation Authority Compliance Monitoring, Los Angeles, California. Served as archaeological and paleontological monitor for the multiyear and multisite project within the greater Los Angeles area, including the Crenshaw rail transit corridor and the 1.9-mile Regional Connector subway corridor, as well as their associated stations. In addition, served as monitoring coordinator for the Regional Connector Archaeological and Paleontological Monitoring Project. Responsibilities as Monitoring Coordinator included coordinating and scheduling various contractors and archaeologists; developing and providing cultural resources training for new contractors and archaeologists; monthly project updates to client; invoice and budget reviews; lab analysis of all resources collected and preparation of those resources for curation. (April 2013–January 2018)

Topanga Library, Topanga Canyon, California. Served as crew chief. Involved in multiple facets of archaeological research. Conducted archaeological monitoring during construction of the Topanga Library, which resulted in the discovery of materials associated with a pre-colonial Gabrielino site. Identified and processed cultural and human remains, as well as contributed to report on all findings. (2009–2010)

Los Angeles Department of Water and Power Division Creek, Inyo County, California. Served as deputy project manager providing consultation and support in U.S. Forest Service and Bureau of Land Management consultation for the assessment of historical structures associated with the Division Creek Power Plant and Los Angeles Aqueduct. Responsibilities included assisting with work plans, project permitting, budgeting, and reporting. In addition, served as crew chief for archaeological surveys and testing. Conducted lab analysis of artifacts, prepared these resources for curation, and co-authored reports on the results of all findings. (July 2013–November 2017)

Genesis Solar Energy Project, Blythe, California. Served as archaeological monitor. Monitored the placement of transmission lines, large-scale excavations for the placement of solar panels, and caisson drilling for solar panel footings. Responsibilities also included survey, testing, and artifact collection. Coordinated with the client, archaeologists, Native American monitors, and general contractors. Provided daily updates, reviewed daily archaeological monitoring logs, and collected/stored resources daily. (June 2011–February 2014)

Long Beach Courthouse, City of Long Beach, Long Beach, California. Served as lead archaeological and paleontological monitor during construction of a new courthouse. Duties included providing workers training regarding archaeological and paleontological resources for on-site contractors, documenting historical archaeological features, and coordinating with clients and staff. In addition, conducted excavations of early 20th century features discovered during monitoring. Also served as lab director for the analysis, cataloging and processing artifacts for curation. Co-authored report documenting project results. (2010–2011)

Solar Millennium Blythe Project, Blythe, California. Served as crew chief for archaeological survey of a proposed solar electric facility in the Chuckwalla Valley. Project included survey of the project site and buffer zones, recordation of historical and pre-colonial archaeological sites, and documentation on Department of Parks and Recreation Forms. (June 2009–March 2010)

Central Los Angeles High School No. 9, Los Angeles Unified School District, Los Angeles, California. Served as excavator and lab analyst. Duties included assessing artifact conditions and conservation needs, assisting with development and implementation of artifact cleaning procedures, artifact classification, artifact cataloging using Excel, and the reconstruction of artifacts. Over 3,000 historic-era artifacts were recovered from a 19th-century cemetery. (2006–2009)

Beacon Solar Energy Project, Los Angeles Department of Water and Power, Kern County, California. Archaeological monitoring for the Beacon Solar Energy Project. Monitored excavation for the placement of solar panels. Aspects of the project included monitoring, survey, testing, and artifact collection. Responsibilities included recordation and collection of cultural resources discovered during monitoring and scheduling with Native American and construction crews.

Oasis Solar Field, NRG Solar, Environmental Assessment for the City of Palmdale and the United States Air Force, Palmdale, California. Served as Crew Chief for an archaeological survey. Responsibilities include data collection for historical resources and recordation of field data on Department of Parks and Recreation Forms.

California High Speed Train Project, Fresno, Madera, and Merced Counties, California. Field Archaeologist. Assisted in archaeological survey of parcels for a proposed high-speed train in Central California. The project included an archaeological survey of the project areas of potential effect and buffer zones, the recordation of historic and prehistoric archaeological resources, and recordation of field data on Department of Parks and Recreation Forms.

Micah Hale, PhD, RPA

Senior Archaeologist

Micah Hale is Dudek's cultural resources senior archaeologist and cultural resources technical lead with technical expertise as a lithic and groundstone analyst, invertebrate analyst, and in ground penetrating radar. Over the course of his 27-year career, Dr. Hale has served as a principal investigator in the public and private sector for all levels of archaeological investigation, as a public outreach coordinator and as an assistant professor at the University of California (UC), Davis. As Dudek's cultural resources technical lead, he currently functions as a principal investigator in project oversight including proposals, research designs, fieldwork, artifact analysis, and report authorship.

Dr. Hale's experience is both academic and professional spanning California, Arizona, Nevada, and Oregon, including work for Naval Facilities Engineering Command (NAVFAC) Southwest, California Department of Transportation (Caltrans), Western Area Power Administration, Bureau of Land Management (BLM), U.S. Army Corps of Engineers (ACOE), U.S. Fish and Wildlife Service (USFWS), California State Parks, various city and county agencies, and directly for Native American groups.

Dr. Hale has supervised numerous large-scale surveys, test excavations, data recovery programs, and geoarchaeological investigations, served as a third-party review consultant, and an expert witness in legal proceedings. He has authored research designs, management and treatment plans, proposals, preliminary and final reports, and technical analyses. Dr. Hale has integrated his personal research interests into projects and participated in professional symposia at local and national venues, including the Society for American Archaeology and the Society for California Archaeology. Additionally, he has conducted academic research in the Polar Arctic, Greenland. Dr. Hale's current focus is on hunter-gatherer archaeology of California and the Great Basin, applying theoretical premises of cultural evolution and human behavioral ecology.

Project Experience

Water/Wastewater

San Clemente Water Recycling Monitoring, City of San Clemente, Orange County, California. As project manager, supervised Dudek's principal investigator to coordinate archaeological, tribal, and paleontological mitigation monitoring associated with the construction of a new water conveyance pipeline. Duties include preparation of a discovery and treatment plan. (2013)



Micah Hale

Education

*University of California, Davis
PhD, Anthropology, 2009*

BS, Anthropology, 1996

*California State University,
Sacramento*

MA, Anthropology, 2001

Certifications

*Register of Professional
Archaeologists (RPA)*

Professional Affiliations

*Antelope Valley Archaeological
Society*

San Diego Archaeological Society

Society for American Archaeology

Society for California Archaeology

Poseidon Resources Desalination Plant and Pipeline Monitoring, City of Carlsbad, San Diego County, California. As project manager, supervised Dudek's principal investigator to coordinate archaeological, tribal, and paleontological mitigation monitoring associated with the construction of the desalination plant and a new water conveyance pipeline. Duties include preparation of a discovery and treatment plan and evaluation of archaeological discoveries. (2013)

Poseidon Resources Desalination Plant and Pipeline Wetland Mitigation Archaeological Evaluation, City of San Diego, San Diego County, California. As project manager and principal investigator, developed methods and strategies to evaluate archaeological deposits most likely related to the 1782 ethnohistoric Kumeyaay village of La Punta located within the wetland mitigation area. Project included geotechnical coring and backhoe exploration to locate and evaluate buried archaeological deposits. Duties included assistance provided to the USFWS for NAGPRA consultation and implementation. (2013)

Cultural Resource Inventory for the Barrett Reservoir, City of San Diego Public Utilities Department, San Diego County, California. As principal investigator, directed a Phase I archaeological survey of lands recently exposed within the high-water line of the lake due to water level draw down; documented over 30 new archaeological sites; lead author of ARMR-format survey report, including recommendations to treat and prevent ongoing impacts to the sites, including looting; collected selected surface artifacts potentially at risk of looting; coordinated Native American monitor.

Tijuana River Valley Channel Maintenance, City of San Diego, San Diego County, California. Assumed responsibility of principal investigator during project implementation from another contractor; coordinated archaeological and Native American monitoring; prepared negative monitoring report; prepared budget for services.

Cultural Resource Inventory for the Morena Reservoir, City of San Diego Public Utilities Department, San Diego County, California. As principal investigator, directed a Phase I archaeological survey of lands recently exposed within the high-water line of the lake due to water level draw down; documented 27 new archaeological sites; lead author of ARMR-format survey report; collected selected surface artifacts potentially at risk of looting; coordinated archaeological subconsultant and Native American monitor; presented findings to City and County Parks representatives to institute actions to prevent looting.

Zone E Recycled Water System Expansion Archaeological and Native American Monitoring, Santa Margarita Water District, Orange County, California. As project manager and principal investigator, directed archaeological and paleontological monitoring and reporting during construction.

Cultural Resources Monitoring for the City of Napa Levee Improvement Project, ACOE, Sacramento District, Sacramento, California. As principal investigator, supervised archaeological monitoring requiring HAZWOPER certified archaeologists to treat historical archaeological discoveries for a levee and stormwater improvement project. (2010–2011)

Data Recovery Excavations at the Ridge Hill Facilities Site (SDI-18472), Padre Dam Municipal Water District (PDMWD), San Diego County, California. As principal investigator, supervised data recovery of a complex late prehistoric habitation site. (2009)

San Clemente Canyon Survey, City of San Diego Metropolitan Wastewater Department, City of San Diego, San Diego County, California. As principal investigator and field director, supervised and conducted an intensive pedestrian survey of proposed access road maintenance for the San Clemente Canyon sewer line. Two cultural resources were identified. Conducted site documentation, prepared sites forms and technical report. Managed survey crew member. (2004)



To: Eyestone Environmental
From: Hackman Capital Partners
Date: September 14, 2023
Subject: Professional Experience and Statement of Responsibility for TVC EIR

Hackman Capital Partners (HCP), and their partner the MBS Group, are the studio owner and operators of Television City. HCP and the MBS Group oversee the project team and the Environmental process.

Company Background (HCP)

Hackman Capital Partners is a privately-held, vertically-integrated real estate investment and operating company, based in Los Angeles, California. HCP is focused on the redevelopment and development of studio properties around the globe. Hackman Capital Partners has emerged as the world's largest film and television studio platform—acquiring, developing, operating and servicing independent studio properties in many of the industry's top production markets. Hackman Capital's portfolio of 19 studios includes more than 130 active sound stages and over 60 stages in development, across North America, the UK and Ireland.

Company Background MBS

The MBS Group is the largest provider of studio real estate, management and equipment services in the United States, exclusively servicing over 300 soundstages across more than 40 campuses in 6 countries.

Key Staff

Brian Glodney is an Executive Vice President at Hackman Capital Partners (HCP). At Hackman Capital Partners since 2018, Brian oversees the development of studio properties across the United States, Canada, the UK, and Ireland. Brian is engaged from acquisition through delivery and is responsible for development feasibility and planning analysis, identifying and creating of project teams, securing entitlement and environmental clearances, and leading the design and engineering of HCP's portfolio of studios. Brian's HCP experience spans numerous studio projects and includes; Raleigh Studios, The Culver Studios, Television City, Radford Studio Center, Kaufman Astoria Studios, Silvercup Studios, Second Line Studios, Manhattan Beach Media Campus, Eastbrook Studios, Basin Media Studios, Greystones Studios, and Ardmore Studios.

Prior to joining Hackman Capital Partners, Brian was a Design Director and Southwest Regional Leader at Gensler, Los Angeles, a global design consultancy. At Gensler for nearly twelve years, Brian's guided the design of over 100 million square feet across the globe ranging from urban infill mixed-use properties to sports-anchored entertainment districts and media production studios. Brian's Gensler experience spans numerous studio projects and includes; Sunset Bronson, Sunset Gower, Plymouth Rock Studios, Albuquerque Studios, and Fox Studios.

Richard Nelson is the founder, President & CEO of the MBS Group, a Hackman Capital Partners (HCP) company and the largest provider of studio real estate, management and equipment services in the United States, exclusively servicing over 300 soundstages across more than 40 campuses in 6 countries. Richard joined MBS Media Campus (then Manhattan Beach Studios) in March 2004 to manage the Company's California studio operations. In 2013 he formed the management company MBS3 as part of a restructuring to consolidate the MBS Media Campus and the newly re-branded MBS Equipment Company, with its four U.S. locations, to bring the company's growing entertainment portfolio under one management group.

Today, Richard oversees the MBS Group's global operations which consists of the management and consulting division MBS3, the studio real estate, including MBS Media Campus, Television City Studios, and The Culver Studios, MBS Equipment Company North America, Pinewood MBS Lighting UK and MBS Europe. In addition, Richard has led the MBS Group to become a leader in film and television equipment technology through its MBS Innovation Co. (MBSi). Richard's expertise, knowledge and industry relationships provide the company's foundation, and his focus on teamwork, dedication and excellence drive the company's exceptional culture.

Prior to creating the MBS Group, Richard Nelson served as Executive Vice President of Raleigh Studios where he oversaw all Raleigh Studios operations worldwide. Before Raleigh, Richard was the Executive Vice President of the Comweb Group overseeing operations and the marketing of the Comweb Group's five member companies to the U.S. Entertainment Industry and Canadian production markets. Under the Comweb Group's umbrella, Richard also served as President of William F. White International (USA), Inc., providing lighting and grip, as well as management services, to Los Angeles Center Studios, Downey Studios, The Lot, and Playa Vista Studios.

Richard also spent over 20 years with Paramount Pictures, serving as Executive Vice President for the Studio Group. His responsibilities included managing Paramount's Hollywood production facilities. On the 65-acre full service studio lot, Richard oversaw operations of 32 sound stages, 750,000 sq. ft. of production office space, two large construction mills, and the 15-acre New York Street Back-lot. Richard managed the 25 departments comprising Paramount's Backlot Operations Group, including set construction, special effects, paint, set lighting, grip, transportation, property, costume, and post-production. Richard also created a Paramount subsidiary called Paramount Production Support Inc (PPSI) that supplied Production Services throughout North America. PPSI's major operations were located in Los Angeles, New York, Vancouver, Toronto and Wilmington, North Carolina, creating a model for a global approach to physical production.

Jeremy Hariton is Chief Operating Officer of The MBS Group. The MBS Group is the umbrella company that encompasses MBS3, the management and studio development and consulting division, MBS Media Campus, the Studio in Manhattan Beach, and Burbank based MBS Equipment Company, and Pinewood MBS Lighting in the UK. He oversees the Group's day to day operations across all verticals including studio facilities, global equipment rental and sales, consulting and new business development.

Prior to joining the MBS Group, Jeremy had a successful studio development consultancy which was instrumental in the development, operations, sales and marketing of Atlanta Film Studios, a 75,000 square foot production facility owned by Paulding County, Georgia, just outside of Atlanta as well as performing consulting, development and design work for public and private clients around the world.

Before his time spent in the independent consulting arena, Jeremy played a key role in the development, design and operational set-up of Albuquerque Studios, an eight stage, \$91 million production facility in Albuquerque, New Mexico currently owned by Netflix. After construction of the facility, Jeremy served as Sr. VP of the Studio and was tasked with selling and marketing the facility worldwide. He oversaw all studio operations and related production deals for a full complement of services including stage and office rentals, production equipment rentals and other ancillary support services from pre-production through wrap. Before his work in New Mexico, Jeremy was also part of the acquisition and turnaround of The Culver Studios, 14-acre independent film studio in Culver City, California.

Project Role(s)

Hackman Capital Partners, and the MBS Group, is the studio owner and operator and has provided technical expertise related to the Project Description and Environmental Impact Report (EIR), including all Responses to Comments.

HCP and MBS Group Confirmation

Hackman Capital Partners and the MBS Group confirms the factual and technical accuracy of the assumptions, methodologies, and conclusions in the analyses and in the responses to comments.



Brian Glodney
Executive Vice President
Hackman Capital Partners



Richard Nelson
President & CEO
The MBS Group



Jeremy Hariton
Executive Vice President and COO
The MBS Group

Attachments:

- Professional Resumes of Brian Glodney (HCP), Richard Nelson (President & CEO MBS Group), and Jeremy Hariton (EVP, COO MBS Group)

Brian Glodney is an Executive Vice President at Hackman Capital Partners (HCP), a privately-held, vertically-integrated real estate investment and operating company, based in Los Angeles, California. HCP is focused on the redevelopment and development of studio properties around the globe. Hackman Capital Partners has emerged as the world's largest film and television studio platform—acquiring, developing, operating and servicing independent studio properties in many of the industry's top production markets. Hackman Capital's portfolio of 19 studios includes more than 130 active sound stages and over 60 stages in development, across North America, the UK and Ireland.

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Brian received his undergraduate degree in City and Regional Planning with a Minor in Sustainable Environments from California Polytechnic State University. San Luis Obispo, and a Masters in Urban Design from the University of Newcastle upon Tyne, United Kingdom. He has won numerous design awards, including professional recognitions bridging AIA, APA, and ASLA and was named as a Top 40 Under 40 by ENR California in 2017.



RICHARD J. NELSON – President & CEO

Richard Nelson is the founder, President & CEO of the MBS Group, a Hackman Capital Partners (HCP) company and the largest provider of studio real estate, management and equipment services in the United States, exclusively servicing over 300 soundstages across more than 40 campuses in 6 countries.

Richard joined MBS Media Campus (then Manhattan Beach Studios) in March 2004 to manage the Company's California studio operations. In 2013 he formed the management company MBS3 as part of a restructuring to consolidate the MBS Media Campus and the newly re-branded MBS Equipment Company, with its four U.S. locations, to bring the company's growing entertainment portfolio under one management group.

Today, Richard oversees the MBS Group's global operations which consists of the management and consulting division MBS3, the studio real estate, including MBS Media Campus, Television City Studios, and The Culver Studios, MBS Equipment Company North America, Pinewood MBS Lighting UK and MBS Europe. In addition, Richard has led the MBS Group to become a leader in film and television equipment technology through its MBS Innovation Co. (MBSi). Richard's expertise, knowledge and industry relationships provide the company's foundation, and his focus on teamwork, dedication and excellence drive the company's exceptional culture.

Prior to creating the MBS Group, Richard Nelson served as Executive Vice President of Raleigh Studios where he oversaw all Raleigh Studios operations worldwide. Before Raleigh, Richard was the Executive Vice President of the Comweb Group overseeing operations and the marketing of the Comweb Group's five member companies to the U.S. Entertainment Industry and Canadian production markets. Under the Comweb Group's umbrella, Richard also served as President of William F. White International (USA), Inc., providing lighting and grip, as well as management services, to Los Angeles Center Studios, Downey Studios, The Lot, and Playa Vista Studios.

Richard also spent over 20 years with Paramount Pictures, serving as Executive Vice President for the Studio Group. His responsibilities included managing Paramount's Hollywood production facilities. On the 65-acre full-service studio lot, Richard oversaw operations of 32 sound stages, 750,000 sq. ft. of production office space, two large construction mills, and the 15-acre New York Street Back-lot. Richard managed the 25 departments comprising Paramount's Back-lot Operations Group, including set construction, special effects, paint, set lighting, grip, transportation, property, costume, and post-production. Richard also created a Paramount subsidiary called Paramount Production Support Inc (PPSI) that supplied Production Services throughout North America. PPSI's major operations were located in Los Angeles, New York, Vancouver, Toronto and Wilmington, North Carolina, creating a model for a global approach to physical production.

In addition to Richard's many professional accomplishments he is also diligent about giving back to the community. He has worked with many organizations including the Motion Picture Health and Welfare Fund, the American Heart Association, Camp Laurel, The Sunshine Kids, Big Brothers & Big Sisters and the Hollywood Chamber of Commerce.





JEREMY HARITON - EVP, Chief Operating Officer

Jeremy Hariton is Chief Operating Officer of The MBS Group. The MBS Group is the umbrella company that encompasses MBS3, the management and studio development and consulting division, MBS Media Campus, the Studio in Manhattan Beach, and Burbank based MBS Equipment Company, and Pinewood MBS Lighting in the UK. He oversees the Group's day to day operations across all verticals including studio facilities, global equipment rental and sales, consulting and new business development.

Prior to joining the MBS Group, Jeremy had a successful studio development consultancy which was instrumental in the development, operations, sales and marketing of Atlanta Film Studios, a 75,000 square foot production facility owned by Paulding County, Georgia, just outside of Atlanta as well as performing consulting, development and design work for public and private clients around the world.

Before his time spent in the independent consulting arena, Jeremy played a key role in the development, design and operational set-up of Albuquerque Studios, an eight stage, \$91 million production facility in Albuquerque, New Mexico currently owned by Netflix. After construction of the facility, Jeremy served as Sr. VP of the Studio and was tasked with selling and marketing the facility worldwide. He oversaw all studio operations and related production deals for a full complement of services including stage and office rentals, production equipment rentals and other ancillary support services from pre-production through wrap. Before his work in New Mexico, Jeremy was also part of the acquisition and turnaround of The Culver Studios, 14-acre independent film studio in Culver City, California.

Prior to beginning his career in studio facility development, management and sales, Jeremy managed planning and business development for regional finance directors in 9 European territories and over 35 licensees for Paramount Pictures Home Entertainment International. Focused heavily on business planning and development, he worked in domestic and international film distribution and acquisition, facilitating the acquisition of major theatrical titles and film slates for release on DVD. Over his career, he has also worked in various backlot and studio finance functions not only at Paramount Pictures but Universal Studios as well.

A native of Southern California, Jeremy represents the fourth generation of his family in the motion picture industry. He earned his Bachelor's degree in Business Administration from the Haas School of Business at the University of California, Berkeley.



MEMO

DATE: September 27, 2023

TO: Eyestone Environmental
2121 Rosecrans Avenue, Suite 3355 El Segundo, CA 90245

FROM: Jonathan Lonner, Burns & Bouchard, Inc.
Joshua Guyer, Burns & Bouchard, Inc. *[Transmitted Via Email]*

RE: Burns & Bouchard, Inc. Professional Experience

Burns & Bouchard, Inc. (B&B) prepared the entitlement filing application including drafts of the Specific Plan, Sign District and required findings included in case file. B&B assisted in providing targeted land use narrative in the Draft and Final Environmental Impact Reports (EIR).

BACKGROUND

Burns & Bouchard is a boutique planning, community outreach, and government affairs firm specializing in creative solutions to complex urban planning and municipal issues. B&B assists local retailers, charter and private schools, small builders, national development entities, REITS, municipalities, and nonprofits with all aspects of the development process including government affairs, community relations, entitlement and approval, permit processing, and construction troubleshooting. Our knowledge of commercial and residential development spans from tenant improvements and permitting, to midsize remodels, to ground up construction of all sizes including full scale master planning efforts and high rise.

ASSIGNED STAFF

Jonathan Lonner founded B&B in 2009 and oversees all operational aspects of Burns & Bouchard, Inc. Prior to forming B&B Mr. Lonner opened and led a Southern California office for USA Properties Fund Inc., a Roseville based tax credit builder. Previously, Mr. Lonner worked as the Vice President of Development for Lee Homes where he handled the predevelopment activities of the firm including land acquisition, entitlements, public/private partnerships, financing, project management as well as sales and marketing. At Lee Homes, Lonner assisted with the entitlement of over 1,000 residential units as well as multiple mixed use and commercial projects.

Prior to joining Lee Homes, Mr. Lonner was the Director of Planning and Public Affairs for Garcia, McCoy, and Lee Consulting Group (GML), a land use and public affairs firm founded by partners Dan Garcia, Lucy McCoy, and Mee Hae Semcken. Mr. Lonner met the future partners of GML while employed as editor of two Southern California's premiere monthly publications – *The Planning Report* and *Metro Investment Report*. Both periodicals cover land use, housing, public investment, and related issues of governance and politics in Southern California.

Mr. Lonner holds a Bachelor of Science in Design from Arizona State University and graduated with honors from the University of Southern California with a Master of Urban Planning and a Master of Public Administration. Mr. Lonner received a Merit Award from the California Planning Foundation,

Certificate of Merit for Leadership from USC and was recognized by the Anti-Defamation League for completion of its Salvin Leadership Institute. Mr. Lonner is a two-time past President of the Building Industry Association's Los Angeles/Ventura Section, a past Chair of the LAX Coastal Chamber of Commerce.

Joshua Guyer is an experienced land use professional who manages planning and entitlement efforts on a wide range of complex public and private development projects. Since joining Burns & Bouchard, Inc. in 2017, Mr. Guyer has focused on securing land use entitlements from the City of Los Angeles and surrounding municipalities which anticipate future hurdles posed by other agencies involved during the plan check and permitting processes.

Prior to joining B&B Mr. Guyer was with Cerrell Associates, working with the firm's Local Government, Campaigns and Issues Management, and Energy & Environment teams. There he gained a comprehensive understanding of community outreach strategies, public policy issues, and local government regulatory compliance. Mr. Guyer holds a Bachelor of Science in Policy, Planning, and Development from the University of Southern California.

PROJECT ROLE

Burns & Bouchard, Inc. has been involved with the Project since 2019. B&B prepared the initial entitlement filing application including coordination of required submittal forms and documentation, between internal team members (architect, civil engineer, transportation consultant, etc.) as well as city staff (Public Works Engineering, Sanitation, Planning, etc.). As part of the submittal, B&B wrote required entitlement requests, consistency findings, drafts of the Specific Plan, and Sign District.

B&B provided assistance in preparation of the response to public comments including, but not limited to, questions and clarifications regarding land use, height, floor area, signage, setbacks, step backs, public realm, etc.

The entitlements filed on behalf of the Project comply with those requirements outlined in the Los Angeles Municipal Code and are consistent with City Policies regarding requests for General Plan Amendments, Zone Changes, Vesting Tentative Tract Maps, Specific Plans, Sign Districts, etc.

During the development of the Draft EIR and since its publication, B&B has met with City staff with regards to the requested entitlements, Specific Plan, and Sign District. B&B has met with select neighbors and neighborhood groups about questions arising from the filed entitlements.

CERTIFICATION

B&B confirms the factual and technical accuracy of the submitted entitlement findings, response to comments with regard to land use, the Specific Plan, and the Sign District as well as their compliance with Los Angeles Municipal Code requirements for their filing and processing.

Sincerely,
BURNS & BOUCHARD, INC.



Jonathan Lonner
Founding Principal

BURNS & BOUCHARD, INC.



Joshua Guyer
Director of Planning & Land Use