

# REQUEST FOR QUALIFICATIONS

## ON-CALL CONSTRUCTION MANAGEMENT AND CONSTRUCTION INSPECTION SERVICES

for:

### SWEETWATER AUTHORITY

Attn: David Blalock  
Principal Engineer  
505 Garrett Avenue  
Chula Vista, CA 91910



**April 12, 2024**  
**4:00 p.m.**



Prepared by:



2305 Chicago Avenue  
Riverside, California 92507  
( 9 5 1 ) 6 8 0 - 0 4 4 0

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## *Prepared for:*

Sweetwater Authority  
505 Garrett Avenue  
Chula Vista, CA 91910  
Contact: David Blalock, Principal Engineer  
Phone: (619) 409-6754  
Email: [dblalock@sweetwater.org](mailto:dblalock@sweetwater.org)

## *Prepared by:*

TKE Engineering, Inc.  
8451 Miralani Drive, Suite A  
San Diego, CA 92126  
Contact: Terry Renner, P.E., P.L.S., Q.S.D., Senior Vice President  
Phone: (619) 818-6465  
Email: [trenner@tkeengineering.com](mailto:trenner@tkeengineering.com)



April 12, 2024

David Blalock, Principal Engineer  
**Sweetwater Authority**  
Engineering and Operations Department  
505 Garrett Avenue  
Chula Vista, CA 91910

**Subject: On-Call Construction Management and Construction Inspection Consulting Services**

Dear Mr. Blalock,

Thank you for the opportunity to present TKE Engineering, Inc.'s (TKE's) qualifications. Enclosed herein is a comprehensive proposal depicting our qualifications and abilities to provide constructability review of design plans and specifications (plan check) prepared by others, construction management and construction inspection consulting services to Sweetwater Authority (Authority). TKE is requesting consideration for On-Call Plan Check, Construction Management, and Construction Inspection Consulting Services.

**1. Authority Request** – The Authority owns, operates, and maintains a water distribution system that includes approximately 395 miles of transmission and distribution mains and 25 storage facilities. The Authority's CIP includes approximately 5,000 linear feet of water replacement pipelines each year. In addition, the Authority constitutes new pipeline to increase capacity and reliability. Also, the CIP includes tank rehabilitation project. In addition, the Authority owns and operates several source water supply facilities including Sweetwater and Loveland reservoir properties and other facilities. These facilities include roadways, drainage system, recreational uses, and many other facilities. The Authority is requesting qualifications from firms that will assist with plan check, construction management and inspection services to deliver projects. Services will be provided on a time and material basis in accordance with TKE's rate schedule and terms of agreement. The maximum annual contract amount is \$200,00. TKE's work will be authorized by approval of special task orders. TKE will prepare task order proposals that describes the scope of work including individual tasks, schedule, project team members, expected deliverables, total not-to-exceed project budget on a time and material basis, and any project-specific requirements or assumptions. TKE will provide all labor, equipment, and materials necessary to complete the scope of services described in the executed Task Order. The Authority will issue a written Notice-to-Proceed to TKE for the specific Task Order.

**2. Qualifications** - TKE is a full-service, multi-disciplinary firm with a wide range of plan check, construction management and inspection related experience in water, roadway, trail, and drainage improvement projects. TKE's broad range of successful services includes public works turnkey program and construction management and delivery for a diverse array of public projects. Benefits from our broad range of government experience through our intimate understanding of the common pitfalls for each project variation and our history of successfully overcoming these challenges. TKE has 24 years of experience providing plan check, construction management and inspection services for water system improvements and related facilities with multiple water agencies.

**3. Our Team** – The Authority will benefit greatly by continuing the vision, leadership, and dedication to community exhibited by TKE's project team. Our knowledge of similar work, numerous accomplishments and management skills will help maintain continuity in the delivery of Authority's Capital Improvement Projects.

In particular, our Senior Vice President, Terry Renner, who is our proposed Construction/Project Manager has a vast amount of experience with water system improvement projects. His excellent management skills will provide a great benefit to Authority, ensuring that the project is constructed to Authority requirements. Supporting Mr.





Renner will be TKE's key personnel, including Michael Thornton, P.E., P.L.S., M.S., as Plan Checker, Steve Ledbetter, P.E., as Construction Manager, Shelby Kelley, P.E. as Construction Manager, Brad Enscoe, Nelson Blackwell C.P.I.I., Stephen Biscotti, and Ralph Martinez as Senior Construction Inspectors.

**3. Our Commitment** – Prior to beginning to provide any services, TKE will meet to discuss project requirements and scheduling needs. Thereafter, TKE will prepare a scope of work including individual tasks, schedule, project team members, expected deliverables, and budget for Authority staff approval. After authorization to proceed with a task, TKE's Project Manager will meet with Authority staff each week and as needed to ensure that schedule and budget compliance. It is this personal touch and contact that define our "local service" approach. We consider ourselves community builders and take ownership of projects ensuring that our personnel will be allocated on an as needed basis in order to complete all projects on schedule.

Our broad array of services and in-house team provide Authority a trusted consultant to turn to in any challenge, no matter how simple or complex. We pride ourselves in the management and inspection of special, atypical projects and thrive on challenging budgets and deadlines. It is this commitment to service and diverse array of offerings that makes us unique and drives our long-standing relationship with our client base and it is these qualities and that make us "the right fit" for you. Our commitment to service will be verified with references presented in our proposal.

**4. Our Value** - TKE's management team and staff are fundamentally committed to creating value in each task that we perform. As such, we have created a professional culture wherein each member of our staff constantly strives for increased efficiency, ultimately allowing us to provide highly professional services at competitive rates. This culture of constant value creation and increased efficiencies ensures that the services contracted to and provided by TKE will always mean good stewardship of public resources.

Thank you for your consideration. TKE's proposal is signed by a principal of the firm who is authorized to bind TKE to the terms of the proposal and shall be incorporated in its entirety as a part of this proposal. TKE does not take any exceptions to any part of Authority's scope, specifications, terms or conditions. We would very much appreciate the opportunity to provide services to Authority. If you have any questions, please call me at (951) 680-0440 or e-mail me at [trenner@tkeengineering.com](mailto:trenner@tkeengineering.com).

Sincerely,



Terry Renner, P.E., P.L.S., Q.S.D.  
Senior Vice President  
**TKE Engineering, Inc.**

## TKE Engineering, Inc. | AT A GLANCE

**City/District Engineer**

TKE is the City / District Engineer in 5 Cities/Districts

**Construction Management**

TKE has provided Construction Management and Inspection for \$250M+ Capital Improvement Projects.

**Size of Organization**

53 Professional Construction Managers, Inspectors, Engineers, Project Managers, Surveyors, Plan Checkers, Designers, and Support Staff

**Location of Office**

8451 Miralani Drive, Suite A  
San Diego, CA 92126

**Years in Business**

TKE has 24 years of experience in providing construction management, design, and plan check, inspection services for various types of Municipal Water, Wastewater, and Potable Water projects.

**Company Structure**

TKE is a California Corporation founded in June 2000. TKE has no affiliates or subsidiary companies.

**Firm Owners**

Michael P. Thornton, P.E., P.L.S., M.S. – President  
Terry Renner, P.E., P.L.S., Q.S.D. – Senior Vice President  
Steven W. Ledbetter, P.E. - Vice President

**Sweetwater Authority Point of Contact**

Terry Renner, P.E., P.L.S., Q.S.D.  
Senior Vice President  
8451 Miralani Drive, Suite A  
San Diego, CA 92126  
Phone: (951) 680-0440  
Email: [trenner@tkeengineering.com](mailto:trenner@tkeengineering.com)

## SECTION 2 | IDENTIFICATION OF RESPONDER

**A. LEGAL NAME & ADDRESS**

TKE Engineering, Inc.

8451 Miralani Drive, Suite A  
San Diego, CA 92126

**B. LEGAL FORM OF COMPANY**

California Corporation

**C. IDENTIFY ANY PARENT COMPANIES**

TKE has no parent companies

**D. ADDRESSES OF OFFICE(S) & NUMBER OF EMPLOYEES**

*Riverside Headquarters:* 2305 Chicago Avenue  
Riverside, CA 92507

*San Diego:* 8451 Miralani Drive, Suite A  
San Diego, CA 92126

*Palm Desert:* 73993 Highway 111, Suite 201  
Palm Desert, CA 92260

Number of Employees: 53

**E. CONTACT PERSON**

Terry Renner, P.E., P.L.S., Q.S.D.  
Senior Vice President  
8451 Miralani Drive, Suite A  
San Diego, CA 92126  
(951) 680-0440  
[trenner@tkeengineering.com](mailto:trenner@tkeengineering.com)

## SECTION 3 | FINANCIAL RELATIONSHIP DISCLOSURES

### A. IDENTIFY ALL EXISTING & PAST FINANCIAL RELATIONSHIPS

TKE has no existing and past financial relationship with current members of the Authority's Governing Board, staff, and entities for which said members are employed or have an interest, both past and present.

### B. IDENTIFY ALL EXISTING & PAST FINANCIAL RELATIONSHIPS (SUBCONSULTANT)

Our subconsultants has no existing and past financial relationship with current members of the Authority's Governing Board, staff, and entities for which said members are employed or have an interest, both past and present.

### C. AUTHORITY'S GOVERNING BOARD MEMBERS

TKE has reviewed Governing Board Members as required in the RFP, see responses A & B above.

## SECTION 4 | REQUIRED QUALIFICATIONS

### A. TKE'S PRIMARY BUSINESS

TKE meets all requirements of the RFQ. TKE's qualifications include Construction Management, Construction Inspection, Plan Check, and Civil Engineering Consulting Services. TKE has 24 years of experience for municipalities and water districts in the Construction Management and Construction Inspection Consulting Services Industry.

### B. TKE'S PROJECT MANAGER

TKE's Senior Vice President, Terry Renner, P.E., P.L.S., Q.S.D. will be the Construction/Project Manager for this on-call and will be the primary point of Contact with the Authority. Mr. Renner has 24 years of Civil Engineering experience, all with TKE.

### FIRM QUALIFICATIONS

TKE has provided turnkey Civil Engineering, Project Management, Construction Management, Inspection, Surveying, Grant Funding, and Public Outreach for more than 1 million linear feet of water conveyance system pipelines, and booster stations, lift stations, reservoirs, pressure reducing stations, treatment facilities roadway and drainage improvement projects. In addition, TKE has experience with water resource management, storm water, urban runoff management and water quality programs, throughout San Diego, Riverside, San Bernardino, Los Angeles, and Orange Counties.

Our wide range of services provides our team with full understanding needed for successful completion of this project and an intimate knowledge and experience of the common pitfalls for each project variation and our past history of successfully overcoming these challenges.

TKE proudly serves numerous Municipal Agencies and Districts with a variety of engineering services including construction management, inspection, specialty inspection and public outreach for numerous water systems, conveyance and storage improvement projects. TKE's experience includes project delivery from conception to completion. All of the professional services discussed are services we routinely provide.

Our detailed **knowledge** of Water pipeline and delivery system along with areas of probable challenges, ensure that **TKE** is the right fit to protect Authority's interest for this on-call.

TKE and our team continue to provide numerous municipalities and agencies with construction management, and inspection services for every facet of water projects. In addition, we have worked on multi-million-dollar regional mega projects for a variety of government agencies. TKE recognizes the importance of staffing based on a client's need and workload. Our flexible support and qualified staff enable our clients to serve their constituents in a cost effective and efficient manner. We request that you verify our qualifications with the agencies presented herein. Below is a list of TKE's qualifications relevant experience:

### PLAN CHECKING

TKE provides experienced, highly qualified staff with significant technical expertise for plan checking. TKE has provided similar services. TKE will develop a thorough understanding of Authority's standards together with the needs of the community. For each project TKE is assigned, TKE will verify compliance with District standards. TKE understands that Authority standards were developed to meet the needs of the community.

### CONSTRUCTION MANAGEMENT

Construction management is a service that implements specialized, project management methods to manage the construction of a project. Managing water project successfully involves a large knowledge base, which our team possess. Quality



management begins with an in-depth understanding of the project requirements and governing contract documents. Therefore, involvement pre-construction activities is important. Likewise, a true evaluation of potential risks and understanding of safety, budgetary and schedule implications is critical. Activities include construction oversight, inspection, special inspection, materials testing, construction surveying, contractor interface and contract administration, coordination inspection staff, coordination of utility relocations, office engineering, start up and commissioning, and project close-out.

For complex projects, the Construction Manager can have over 120 responsibilities. Proper organizational skills and experience with similar construction projects is important to ensure that the Project Manager can fulfill all of the requirements and responsibilities of the job. Key areas of responsibility include planning, budget, schedule, quality control, safety and contract management. With multiple project components, communication protocol is a key to project success. TKE's experience with multiple project contractors has allowed us to develop a communication protocol which will ensure that there is no lapse between the project stakeholders. Coordination through the Authority with the multiple contractors that will be simultaneously working on projects may be required. Our project team personnel have extensive familiarity with such. Our team works with applicable standards and manuals on a routine basis and has the capability to meet the Project requirements and fulfill anticipated responsibilities.

Our team has specific experience in every element necessary for on-call plan check, construction management, and inspection. This includes construction of storage facilities, transmission and distribution main installation, and other system facilities.

The breadth of experience and technical skill of our staff enable us to manage a wide variety of projects, ranging from major infrastructure to the installation, restoration, and rehabilitation routine projects. TKE has performed administration of the contract (general contract administration and oversight of project), provided Project Engineering services, performed

constructability reviews on project documents, managed preconstruction and weekly progress meetings, coordinated with contractors, including multiple contractors simultaneously, coordinated with design engineers for design changes and corrections, project inspection, reviewed and responded to RFI's, reviewed weekly statement of working days, reviewed quantities for monthly progress payments, reviewed extra work tickets and assessed them for justification within the contract requirements, process control documents, submittals, change orders, and work change directives, prepared and performed contract change orders and negotiations, coordinated with residents and businesses throughout construction process, performed public outreach, represented municipal clients with other agencies at numerous meetings, represented engineering with the client's board of directors and other public meetings, managed engineering budgets and project schedules, documented environmental compliance, prepared and acquired right-of-way, coordinated utility relocations, acquired and managed permits from numerous agencies, including RWQCB, South Coast AQMD, U.S. Army Corps of Engineers, California Department of Fish and Wildlife, Union Pacific Railroad, Burlington Northern Santa Fe Railroad, Caltrans, and many others, managed numerous funding programs through the State Water Board and various other State and Federal funding agencies.

TKE has extensive experience with providing plan check, construction management and inspection services on all types of public works projects. We are extremely familiar with AWWA, DDW, Caltrans, Greenbook, requirements of plans and specifications, and California public contract code in relation to construction projects and various related work. We ensure that all work is completed in accordance with funding contract specifications, terms, conditions, state and federal laws and regulations, and client policy.

Our construction management portfolio includes:

- △ Potable and Recycled Water Mains
- △ Reservoirs
- △ Pump Stations
- △ SCADA and Communications
- △ Facility Buildings





- △ Storm Drains and Channels
- △ Street Projects
- △ Grading and Retaining Walls
- △ Treatment Plants
- △ Sanitary Sewer Gravity and Force Mains
- △ Sidewalk Repair and ADA Compliance Projects
- △ Conventional Pavement Rehabilitation
- △ Signing and Striping
- △ Site Improvement Projects
- △ Major Infrastructure Projects

TKE's services are enhanced by integration with our knowledge and background of civil engineering and surveying to facilitate and ensure all construction projects reviewed and managed by TKE will operate safely and efficiently.

### INSPECTION

TKE and our project team, provides experienced, highly qualified staff with significant technical expertise for inspection services. All of TKE's inspectors have a background with construction, enabling TKE to provide well rounded inspectors capable of understanding the requirements to construct a project and capable of identifying potential change orders and design deficiencies before they occur. TKE is fully capable of providing staff necessary for construction of the multiple active construction projects associated with this project.

Please refer to our project team, together with our corporate resumes to verify our team's technical ability to deliver these services.

TKE has provided similar services to those requested here for a number of different agencies and TKE understands that Authority has its own development and capital improvement standards that were developed to meet the needs of your community. TKE will develop a thorough understanding of these standards together with the needs of the community. For each project assigned to TKE, TKE will verify compliance with all applicable standards. Furthermore, with our extensive experience with water projects, our understanding of the industry, and its current limitations delivery times and volatile cost fluctuations, TKE will be able to recommend procedures to ensure expedited project delivery and

enhanced public infrastructure. Our inspection portfolio includes:

- △ Daily review and documentation of construction activities (daily reports and digital photo of significant issues and milestones)
- △ Monitor Contractor's daily labor force for compliance with state & federal labor laws.
- △ Field verification of traffic control procedures and consistency with approved Traffic Control Plan
- △ Coordinate with agencies and different stakeholders to ensure smooth progress of construction activities
- △ Monitor project schedule
- △ Verify quantities and assuring quality control
- △ Field observations of construction activities
- △ Maintain complete and accurate project records
- △ Perform structural inspections
- △ Review and recommend approval/disapproval of monthly progress pay estimates
- △ Verify NPDES and SWPPP compliance
- △ Prepare weekly statement of working days
- △ Review RFI's, change orders and progress payments
- △ Coordinate punch list and as-built plans
- △ Ensure that materials and completed work comply with plans specifications and design criteria
- △ Implement security procedures
- △ Issue notices for safety concerns and violations
- △ Coordinate with survey, material testing and other construction consultants
- △ Review and ensure compliance with control documents, submittals, RFI's, change orders, and work change directives
- △ Oversee pressure testing, flushing and chlorination procedures
- △ Oversee startup and commissioning
- △ Preparation of remedial work list
- △ Coordinate project closeouts activities which include staff report, Notice of Completion, release of retention, warranty walk, and archiving documents.

- △ Structural Inspections
- △ Tank Coating Inspections
- △ Cathodic Protection Systems

• • •  
*TKE's proactive approach to project inspection has allowed our projects to average less than 4% of contingency use.*  
• • •

## C. PAST &amp; ON-GOING QUALIFYING PROJECTS

TKE has a 24-year history serving municipal agencies with a variety of engineering services including plan check, construction management, inspection, grant management, and surveying for water, systems, water resource management, storm drainage systems, urban runoff management and water quality programs, roadway improvement, and public facilities. TKE has proudly provided construction management and inspection on more than 100 water projects over the past 10 years. Below, you'll find a selection of projects highlighting our plan check, construction management and inspection services:

## ON-CALL PLAN CHECKING SERVICES

*Various Cities and Districts, CA*

**DESCRIPTION**

TKE is currently providing on-call plan checking services for Eastern Municipal Water District, San Bernardino Municipal Water District, and for the Cities of Hesperia, Calimesa, Fontana, Wildomar, Coachella, Moreno Valley, and Highland.

**SERVICES**

Services included CIP and development project plan checks, including plan checking for water, wastewater, grading, street, storm drain, hydrology, hydraulics, landscaping, street lighting, traffic signal, SWPPP, erosion control, and WQMP plans as well as many other municipal development related services.

**KEY STAFF**

Michael Thornton, P.E., P.L.S., M.S., Terry Renner, P.E., P.L.S., Q.S.D., Steven Ledbetter, P.E.

## FOREBAY WATER BOOSTER FACILITY UPGRADE PROJECT

*Yuima Municipal Water District, CA*



**Client Contact:** Richard Williamson  
**Phone Number:** (760)742-3704  
**Email:** richard@yuimamwd.com  
**Project Cost:** \$3.2M  
**Completion Date:** January 2021

**RELEVANCE TO AUTHORITY**

- Construction Management
- Water Storage and Conveyance
- Utility Coordination
- Agency/County Coordination

**DESCRIPTION**

The Forebay Water Booster Facility is being upgraded to increase the reliability of the equipment and to meet existing and future demands. The project consists of a new partially buried cast-in-place tank and four vertical turbine pumps (3 duty, 1 standby) from an existing supply line that provides water from a San Diego Water County Water Authority (SDCWA) aqueduct connection. A diesel engine generator and automatic transfer switch will provide backup power to the site in the event of a commercial power outage. The project involves removal of the existing 0.5 MG Forebay Storage Reservoir. The new pumping equipment will be located outdoors under a shade structure and controls will be located within a building. Other improvements include a standby power generator, precise grading and paving, site piping, electrical, instrumentation, and building structural.

**SERVICES**

Services include specification preparation, coordination with agencies, permitting, bidding, construction management, construction staking, and inspection.

**KEY STAFF**

Terry Renner, P.E., P.L.S., Q.S.D., Steven Ledbetter, P.E.



## REGIONAL WATER RECLAMATION FACILITY

*Mission Springs Water District, City of Desert Hot Springs, CA*



**Client Contact:** Brian Macy | General Manager  
**Phone Number:** (760)329-6448  
**Email:** bmacy@mswd.org  
**Project Cost:** \$68M  
**Completion Date:** On-Going

### RELEVANCE TO AUTHORITY

- Effluent Recycled Water
- Building Erection
- Lift/Booster Station
- Large Dollar Construction Contract
- Multiple Simultaneous Contracts

### DESCRIPTION

Mission Springs Water District (MSWD) retained TKE to prepare a preliminary engineering analysis that evaluated expanding an existing WWTP or building a new regional WWTP. Ultimately, MSWD selected to proceed with a new regional WWTP, the Regional Water Reclamation Facility (RWRF). Thereafter, TKE was retained to be the program manager for the for the development of the RWRF and associated projects. As program manager, TKE is responsible for coordinating the design, hydrogeological analysis, environmental compliance processing, and construction of the RWRF, a new Regional Conveyance Trunk Sewer to deliver wastewater to the RWRF, and the M-2 Collection System to connect 695 parcels to the sewer system for treatment by the RWRF. In addition, TKE is in charge of grant funding and permit acquisition. In 2022, TKE secured \$68 million in grant funding for the project. The project includes coordination with the State Water Resource Control Board, Regional Water Quality Control Board, Air Quality Management District, other agencies, and other consultants

### SERVICES

Services include preliminary engineering, benefit-cost analysis, project planning and scoping, Board report preparation and presentations, prepare grant funding applications and management, preparation of wastewater flow projection report, technical report and design review, prepare RFPs, environmental compliance services, prepare right-of-way acquisition documents, provided program/project management, regulatory and stakeholder meetings and presentations, perform construction management and inspection.

### KEY STAFF

Terry Renner, P.E., P.L.S., Q.S.D., Steven Ledbetter, P.E., Ron Musser, P.L.S., Shelby Kelley, P.E., Jeff Lantosh, CPII

## RPU CANYON CREST BOOSTER STATION

*City of Riverside CA*



**Client Contact:** Eric Escobar  
**Phone Number:** (951)826-5821  
**Email:** eescobar@riversideca.gov  
**Project Cost:** \$4M  
**Completion Date:** 2022

### RELEVANCE TO AUTHORITY

- Pump Station Installation
- Site Improvements Installation
- Building Erection
- Startup and Commissioning
- Coordination with Agencies / Utilities

### DESCRIPTION

Canyon Crest Booster project involved construction of onsite retaining wall, perimeter tubular steel fencing, CMU block building, parking lot, five-60 horsepower vertical turbine motors, onsite piping, electrical, and moto control panels. In addition to daily inspection services, TKE prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, developed remedial work list and system startup inspections. In addition, TKE provides coordination with other project professional services (e.g., Geotechnical and Surveying.)

### SERVICES

Services include pre-construction and progress meetings, daily inspection reports, developed construction photo logs, verified public safety compliance, and coordination with agencies/utilities.

### KEY STAFF

Terry Renner, P.E., P.L.S., Q.S.D., Steven Biscotti, Brad Enscoe



**24" MISSION BOULEVARD PIPELINE***City of Jurupa Valley, CA*

**Client Contact:** Ted Beckwith | Engineering Manager  
**Phone Number:** (951)684-7580  
**Email:** tbeckwith@rcsd.org  
**Project Cost:** \$1.5M  
**Completion Date:** 2016

**RELEVANCE TO AUTHORITY**

- Multiple Simultaneous Contracts
- Construction Management and Inspection Services
- Interagency Coordination
- Utility Relocation/Coordination

**DESCRIPTION**

The 24" Mission Boulevard Pipeline Improvements Project extends from Golden West Avenue to Carrera Court and is located in the City of Jurupa Valley. This project consisted of the construction of 3,400 linear feet of 24" cement mortar lined and coated steel pipe, including connection to existing system, construction of new water system infrastructure, bore and jack with 42" steel casing, meter connections, appurtenances and demolition and abandonment of required existing facilities. The project also included interagency connection to the Jurupa Community Services District pipeline in Mission Boulevard.

**SERVICES**

Services include permitting, surveying, construction administration, construction inspection, coordination with agencies and consultants, and construction staking.

**KEY STAFF**

Michael Thornton, P.E., P.L.S., Terry Renner, P.E., P.L.S., Q.S.D., Ron Musser, P.L.S., Brad Enscoe

**RPU MAGNOLIA AVENUE TECHITE REPLACEMENT PROJECT***City of Riverside, CA*

**Client Contact:** Eric Escobar  
**Phone Number:** (951)826-5821  
**Email:** eescobar@riversideca.gov  
**Project Cost:** \$5M  
**Completion Date:** 2021

**RELEVANCE TO AUTHORITY**

- Water Main Installation
- Water Service Installation
- Coordination with Agencies / Utilities

**DESCRIPTION**

Magnolia Avenue Techite Replacement project involved the installation of 42" CMLC Pipe in Magnolia Avenue of Riverside working both day and night. We inspected the pipe layout (path of travel), cutting of asphalt for trench, trenching, 42" CMLC installation, concrete diaphragm of external pipe joints, backfill operations, asphalt pavement restoration, concrete restoration, interior pipe joint weld inspection, interior pipe joint grouting including advising where only grout needed vs. mesh and grout placement depending on interior joint width, Pressure Testing 42" CMLC Pipeline, and setting grind and asphalt restoration limits, and restriping of streets. We also inspected the Temporary Construction Yard set up, SWPPP's at Temp Construction Yard as well as around the 3,000 linear foot pipeline project, and the restoration of area after Temporary Construction Yard removal. This included Drive Approach and sidewalk installation work to restore location after Temp Construction Yard. TKE also inspected the removal, compaction, forming, pouring, and floating of Drive Approach.

**SERVICES**

Services include pre-construction and progress meetings, daily inspection reports, developed construction photo logs, verified public safety compliance, and coordination with agencies/utilities.

**KEY STAFF**

Terry Renner, P.E., P.L.S., Q.S.D., Q.S.D., Steven Biscotti, Brad Enscoe

## CANNON ROAD, STANHOPE LANE, SUNRIDGE DRIVE, AND MISSION GROVE PARKWAY WATER MAIN REPLACEMENT PROJECT

*Western Municipal Water District*



**Client Contact:** Douglas McCartney, P.E., L.S.  
**Phone Number:** (951)571-7286  
**Email:** dmcartney@wmwd.com  
**Project Cost:** \$3.1M  
**Completion Date:** 2023

### RELEVANCE TO AUTHORITY

- Construction Management & Inspection Services
- Water Main Replacement
- Change Order Management

### DESCRIPTION

TKE is providing professional construction management and inspection services for the Cannon Road, Stanhope Lane, Sunridge Drive, and Mission Grove Parkway Water Main Replacement Project. The project includes the removal and replacement of 3,549 LF of aged steel pipeline with C900 8-inch diameter Polyvinyl Chloride (PVC) pipeline within the Green Acres residential community located within WMWD's service area immediately adjacent to the March Air Reserve Base (MARB). The original water distribution facilities are more than fifty years old and due to the age of the distribution facilities they are undersized, or in poor condition due to age and corrosion. TKE is performing construction management and inspection services related to the water main and all necessary appurtenances, and assisting WMWD's Engineer in carrying out the responsibilities at the Project site. TKE is acting as a liaison to WMWD and is responsible for management and inspection of daily activities associated with project construction.

### SERVICES

Services include construction management, change order verification, response to RFI's, progress payments, preparation of daily inspection reports, developed construction photo logs, assistance with progress and final payment processing, assistance with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, developed remedial work list and system startup inspections and coordination with project professional services (e.g. Geotechnical and Surveying) and agencies/utilities.

### KEY STAFF

Terry Renner, P.E., L.S., Q.S.D, Shelby Kelley, P.E., Brad Enscoe

## TERRANCE RESERVOIRS REHABILITATION

*Mission Springs Water District, City of Desert Hot Springs, CA*



**Client Contact:** Brian Macy | General Manager  
**Phone Number:** (760)329-6448  
**Email:** bmacy@mswd.org  
**Project Cost:** \$5.6M  
**Completion Date:** May 2021

### RELEVANCE TO AUTHORITY

- Construction Management
- Project Management

### DESCRIPTION

The terrace reservoirs, three 2.0 MG reservoirs, serve as MSWD's backbone storage facility, supplying much of downtown Desert Hot Springs and boosting to several higher-pressure zones. Due to their age (30 to 60 years old), the reservoirs were in need of significant operational and safety improvement to continue their critical service. In addition, the site was in poor condition due to decades of unmitigated storm water run-on. As such, the project required a seismic evaluation, reservoir conditional assessment, and site visit to develop a suite of recommended improvements and alternative for MSWD consideration. MSWD elected to add seismic improvements (i.e. raising the existing shell and adding new tub rings, and wind girders), operational improvements (i.e. new manways, inlet/outlet facilities, staircase, perimeter gutter and rail system, mixing system, etc.), and site improvements (i.e. regrading slopes, PCC v-ditches, retaining walls, planting and jute netting of slopes, etc.). TKE prepared a comprehensive contract document package for bidding.

### SERVICES

Services include records research, topographic surveying, coordination with agencies, preliminary design, seismic and alternatives analysis, cost estimating, preparation of construction plans and specifications, and bidding services.

### KEY STAFF

Terry Renner, P.E., L.S., Q.S.D., Steven Ledbetter, P.E., Ron Musser, P.L.S., Shelby Kelley, P.E., Jeff Lantosh, CPII



## 0.5MG RESERVOIR AND MAGANESE TREATMENT PLANT

*Maywood Mutual Water Company, Huntington Park, CA*



**Client Contact:** Brian Macy | General Manager  
**Phone Number:** (760)329-6448  
**Email:** bmacy@mswd.org  
**Project Cost:** \$5.6M  
**Completion Date:** May 2021

### RELEVANCE TO AUTHORITY

- Construction Management
- Construction Inspection
- Permit Coordination
- Treatment Plant Experience

### DESCRIPTION

The 0.5 MG Reservoir and Manganese Treatment Plant is located in the City of Huntington Park at the corporate yard of Maywood Mutual Water Company No. 1. The project consists of the demolition and reconstruction of a 35-foot wide by 70-foot tall steel reservoir and the installation of a 1,500 gpm manganese filtration plant. The project includes site improvements and 45-foot deep caissons for structural foundation supports

### SERVICES

Services include records research, conventional topographic surveying, permitting, coordination with agencies, preliminary design, cost estimating, preparation of construction plans and specifications, bidding services, SRF grant management, construction administration, construction inspection, construction staking, and as-built verification.

### KEY STAFF

Terry Renner, P.E., L.S., Q.S.D., Steven Ledbetter, P.E., and Ron Musser, P.L.S.

## HOLLY DRIVE RESERVOIRS

*San Antonio Water Company, Upland, CA*



**Client Contact:** Brian Lee  
**Phone Number:** (909)982-4107  
**Email:** blee@sawaterco.com  
**Project Cost:** \$990K  
**Completion Date:** On-Going

### RELEVANCE TO AUTHORITY

- Construction Management
- Construction Inspection
- Welding and Coating Inspection
- Utility Coordination

### DESCRIPTION

TKE is preparing plans and specifications for San Antonio Water Company's to construct two new 120,000-gallon welded steel water storage reservoirs at the Holly Drive Tank Site. This project includes extensive earthwork and retaining walls of up to 20' in height to accommodate the proposed reservoirs and the demolition of an existing 60,000-gallon reservoir. The project requires a phased approach to ensure existing water services are not interrupted. Further, due to the mountain environment and need for specialty retaining wall construction, site development was completed first. Following, the first new reservoir was constructed, then demolition of the existing 60,000-gallon reservoir and construction of the second new reservoir. TKE has performed construction management and inspection for all three (3) phases. Additionally, TKE is managing all CEQA and permit compliance efforts for the project.

### SERVICES

Services include records research, topographic surveying, coordination with agencies, preliminary design, project phasing, property acquisition, cost estimating, preparation of construction plans and specifications for each phase, bidding services, construction management, inspection and construction staking.

### KEY STAFF

Terry Renner, P.E., L.S., Q.S.D., Steven Ledbetter, P.E., Ron Musser, P.L.S., Shelby Kelley, P.E., Stephen Biscotti, Brad Enscoe

## TOTAL NUMBER OF ON-CALL CONTRACTS

TKE has 30 on-call contracts that are current and active.



## D. SUBCONSULTANTS

Below are TKE's subconsultants:



**Kelsey Structural** is a San Diego small business structural engineering firm specializing in the design of water and wastewater treatment, storage and conveyance facilities. Kelsey Structural services include structural inspection for new and existing structures, Kelsey Structural's staff has a diverse background including inspections for pump stations, reservoirs, and pipeline structures, concrete and steel reservoir and structural repair and rehabilitation. Kelsey Structural's team will work closely with TKE to provide the most cost-effective solutions that help ensure a safe and reliable water supply. Kelsey Structural's most recent work with the City of San Diego includes the North City Pure Water Pipeline, San Carlos Reservoir Replacement, Point Loma WTP Scum Injection Improvements and San Vicente Dam Low Level Outlet Improvements projects.



**CSI Services (CSI)** is a corporation formed in 2004 that provides services as a consulting engineering firm specializing in protective coatings and linings with specific expertise in water storage tank projects. The management team, with more than 60 years of combined coating expertise is committed to the timely and ethical delivery of its services.

CSI provides comprehensive consulting services including coating system evaluations, and in-process inspection of surface preparation and coating/lining applications. CSI also has an in-house water storage tank diving division that completes over 100 water tank dives per year.

The firm is financially strong with no conditions such as disputes or litigation that would impede our ability to complete projects. CSI has more coating inspectors than any other in the state of California and this staffing includes more than 45 inspectors having NACE and/or SSPC coating inspection certifications. Many of these inspectors reside within San Diego County. This staffing allows us to place specifically highly qualified inspectors onto unique projects.

Further, CSI is proud of its certification as an SSPC QP-5 Coating Inspection Firm. Equivalent to the ISO 17020 certification (ISO 9001), the QP-5 certification recognizes firms for their high level of technical strength, internal quality control program, financial stability, safety record, and ability to provide quality services over a long period of time. The QP-5 has been adopted as a requirement by many large owners such as the U.S Department of Defense, Army Corp of Engineers, and many state governments as a means of prequalifying firms for inspection on their coating projects. We offer this QP-5 recognition as a third-party means of checking the quality and abilities of our firm. The QP5 program requires our staff to continually seek to improve on the services that we deliver.



**Farwest Corrosion Control Company (Farwest)** is an industry pioneer and leader in comprehensive cathodic protection and corrosion control services and related products. Cathodic protection and corrosion control services include products, engineering, and installation. Farwest is a leading, full line distributor and manufacturer of corrosion prevention products. These include coatings, isolation equipment, test and inspection tools, instrumentation and more. In addition, the firm is a custom fabricator of cathodic protection (CP) anodes, junction and bond boxes, power supplies, test stations, test equipment and a variety of other specialty products. Cathodic protection and corrosion control engineering services include system design solutions, cathodic protection field surveys, system testing, monitoring and troubleshooting, technical consultation, project oversight and product design.

Installation services include cathodic protection system installation, system abandonment, grounding and AC mitigation systems, system maintenance, repairs and project planning. Installation projects use drilling and construction equipment owned and operated by the firm's qualified, experienced team.

## E. EXPERIENCE &amp; COMPETENCE

TKE has extensive experience with an excellent reputation in the provision of on-call plan check, construction management and inspection services for numerous municipal agencies. Throughout our history, we have provided construction engineering support

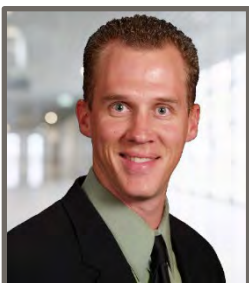


services for water projects for municipal agencies, including Water Districts, Cities, and Community Service Districts. We have successfully completed complex and challenging projects for a variety of municipal agencies who have continued to request that we partner with them in delivering value to their communities.

TKE currently provides similar services to numerous other clients; however, as can be verified by our references, TKE effectively meets the needs of our clients. TKE will respond to the Authority's needs as they arise. The Authority will be an important client and will be given the utmost attention.

TKE's commitment will ensure that all of the Authority's needs are met. We strongly encourage the Authority to verify our performance history with our references. Because of TKE's proactive management approach, TKE rarely experiences 'crisis' project delivery needs. When requested by our clients, TKE adds resources, commits extended work hours, develops an efficient implementation plan, and other efforts as needed to successfully complete our projects.

Below our TKE's proposed key personnel and their roles:



**Terry Renner, P.E., P.L.S.,  
Q.S.D.**  
**Project/Construction Manager**  
R.C.E. No. 69984  
P.L.S. No. 9762  
Q.S.D. Certification No. 24329

Mr. Renner is the Senior Vice President of TKE and has 24 years of experience in civil engineering infrastructure projects, including water improvements. He has managed numerous grant funded (Federal and State) projects and has delivered projects for numerous municipalities and water districts. As a project/construction manager, Mr. Renner has been responsible for supervising staff, coordinating work between the production team and the client, and for submitting all deliverables in a timely manner. He has successfully delivered a wide variety of complex and challenging projects and is dedicated to ensuring that the plans produced by TKE continue to exceed industry standards. As a construction manager, Mr. Renner has been responsible for supervising a staff of inspectors, construction coordination and scheduling, utility relocation coordination, public relations, submittal

review, coordination with subconsultants, weekly progress meetings, request for information responses, storm water management, progress payments, change order review and negotiations, labor compliance, and project closeout. He has successfully delivered a wide variety of complex and challenging projects and is dedicated to ensuring that the projects managed and delivered by TKE continue to exceed industry standards.



**Michael Thornton, P.E., P.L.S.**  
**Plan Checker**

P.E. No. 44226  
P.L.S. No. 6867

Mr. Thornton, TKE's President, is in charge of all TKE projects. He has over 35 years of experience in engineering, construction management for public works projects. He has worked on a variety of public works engineering projects including water system improvements and drainage improvements projects. Mr. Thornton is responsible for managing including quality assurance/quality control projects and has provided construction engineering and surveying services for many of these same projects.



**Steve Ledbetter, P.E.**  
**Construction Manager**

R.C.E. No. 84044

Mr. Ledbetter has over 23 years of professional experience in the civil engineering industry. He has handled various critical and challenging projects from planning through design and implementation; all while ensuring that projects are executed as per specifications in the stipulated time with quality. He has a well-rounded background with experience in: improvement plans and specifications including potable and non-potable water, wastewater, and drainage; water resource management, storm water compliance reporting including water quality management plans and storm water pollution prevention plans and; and grant writing and administration for various State and Federal agency programs.



**Shelby Kelley, P.E.**  
**Construction Manager**

P.E. No. 95911

Mr. Kelley is a Construction Manager of TKE Engineering, Inc. and has 7 years of experience in civil engineering design and construction of infrastructure projects, including water improvements, drainage improvements, transportation improvements, facilities improvements, and construction methods. Mr. Kelley has been responsible for assistance with design of water plan/profile, treatment plant facilities, preliminary design exhibits, and cost estimates.



**Brad Enscoe**  
**Senior Construction Inspector**

OSHA 30 Certified

16 Hour QSP Training Seminar  
APWA, Construction Inspection  
March 2010

CMAA, Construction Inspection for  
Public Works March 2010

Public Works Inspector Level 1 Testing

Mr. Enscoe has over 15 years of experience providing public works construction inspection services. Recently, Mr. Enscoe is providing on-call inspection services to the City of Calimesa for developer installed housing projects as well as street, drainage, and sewer improvements to the Cities of Fontana, Redlands, and El Monte. In addition to daily inspection services, Mr. Enscoe has prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, developed remedial work list and system startup inspections. In addition, Mr. Enscoe has provided coordination with other project professional services (e.g., Geotechnical and Surveying).



**Nelson Blackwell, CPII**  
**Senior Construction Inspector**

ICC - Special Inspector, Soils,  
Reinforced Concrete, Reinforced  
Masonry and ACI Field Testing  
Technician Grade 1

CPII – Certified Public Infrastructure  
Inspector (CPII)

Mr. Blackwell has over 8 years of experience providing inspection services for capital projects to several agencies throughout Southern California. His services include but are not limited to site grading, sewer and waterline installation, street paving, American Disabilities Act (ADA) improvements, underground infrastructure, utilities installation, steel reinforcements, concrete and masonry, path/retaining walls, and parking lot installation. Additionally, he is skilled in understanding project plans and specifications, accessing applicable code, maintaining good and proper relationships with project stakeholders and contractors, and helping to prepare final project documents. Mr. Blackwell has prepared daily inspection reports, developed construction photo logs, verified compliance with contract documents and approved project submittals, and verified public safety compliance.



**Stephen Biscotti**  
**Senior Construction Inspector**

OSHA 30 Certified, 16 Hour QSP Training Seminar, Lean Manufacturing Seminar – Gibbs Wire & Steel Co., Inc., Forklift Certification (Both operator and instructor) – Gibbs Wire & Steel Co., Inc., Step 2000 Courses, Siemens E&A, Conflict & Confrontation Seminar – Farmers Insurance

Mr. Biscotti has nearly 18 years of inspection experience with the last 8 years providing public works construction inspection services. Mr. Biscotti has provided inspection services to several municipalities throughout Southern California. Mr. Biscotti's further background in steel manufacturing inspection and oversight provide him with an extensive knowledge of ASTM specifications and OSHA standards. Mr. Biscotti has provided coordination with other project professional services including geotechnical and survey. Mr. Biscotti has worked as a Public Works Inspector for inspection of capital improvement and developer installed improvements relating to the

construction of water, sewer, streets, drainage, traffic signals, parks and housing tract improvements. Mr. Biscotti has prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, and developed remedial work.



**Ralph Martinez**  
Senior Construction Inspector

10 Hour OSHA  
Confined Space  
Veriforce Evaluator

Mr. Martinez joined TKE in 2023, and has a collective 32 years of experience providing public works construction and inspection. Mr. Martinez has successfully delivered a wide range of project types, including, yet not limited to City, Street, and Water projects. Work performed has been to meet and exceed the expectations of public works clients in Riverside, San Bernardino, and Orange County. Mr. Martinez has specialized expertise and knowledge in Project Management, Safety Officer, Quality Control, Overseeing timely completion for Private, Public, and Government projects. He is extremely knowledgeable with public works regulations and construction including plan/document fluency, Project management, and Site safety coordination.

#### ADDITIONAL CONSTRUCTION MANAGEMENT & INSPECTION EXPERIENCE

Below is additional construction management and inspection experience

##### CONSTRUCTION MANAGEMENT

**MISSION SPRINGS WATER DISTRICT** - TKE is currently serving Mission Springs Water District (MSWD) as its District Engineer. TKE has provided construction management services for numerous sewer treatment plant operation systems, water and sewer main installation and is managing implementation of \$60 million sewer program and is working with other jurisdictions related to water use agreements.

**HIGHLAND** - TKE has provided on-call construction management services to the City for the past 9 years. TKE

has managed more than \$20 million in capital improvement construction projects which include construction street, drainage, water and sewer improvements.

**CALIMESA** - TKE has provided on-call construction management services to the City for the past 10 years. TKE has managed more than \$25 million in capital improvement construction projects which include construction street, drainage, water and sewer improvements.

##### INSPECTION

#### **SAN BERNARDINO MUNICIPAL WATER DEPARTMENT**

- TKE is currently serving as the San Bernardino Municipal Water Department's (SBMWD) on-call plan check and inspection engineering consultant. TKE is responsible for all plan checking and inspection services on numerous developer improvement projects to ensure the plans are developed and constructed to SBMWD, City of San Bernardino, Health Department and all other regulatory agency standards. TKE is currently and has been providing plan check and inspection services to SBMWD since 2005.

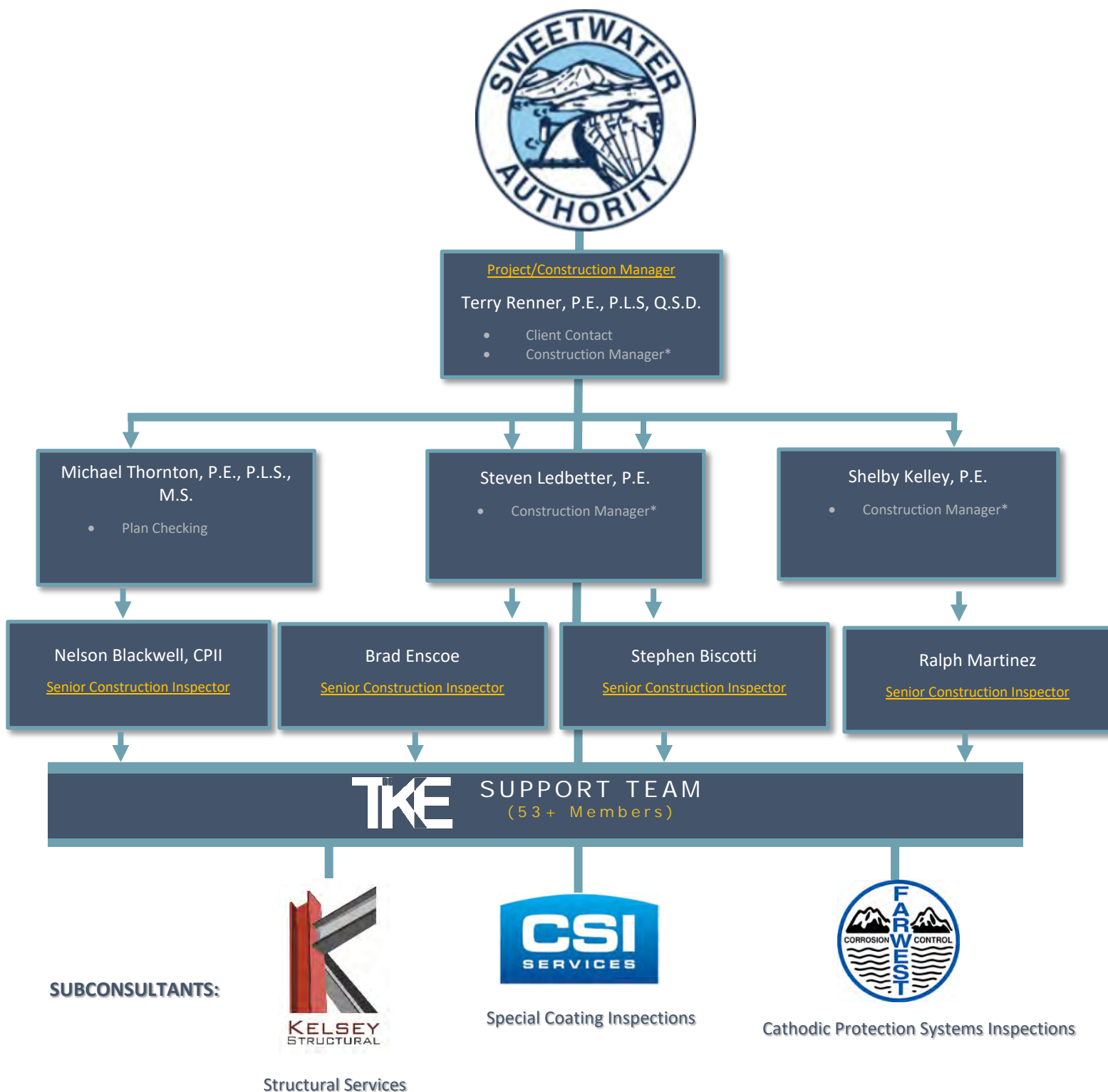
**MISSION SPRINGS WATER DISTRICT** - TKE is currently serving Mission Springs Water District (MSWD) as its District Engineer. TKE has provided inspection services for numerous sewer treatment plant operation systems, water and sewer main installation and is managing implementation of \$60 million sewer program and is working with other jurisdictions related to water use agreements.

#### **LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT**

- TKE is currently providing on-call inspection services to Lake Arrowhead Community Services District (LACSD). TKE is providing inspection for more than \$10 million in capital water and sewer improvement projects and have worked with regional agencies for regulatory permitting and environmental compliance.



## SECTION 5 | CONSULTANT ORGANIZATION &amp; KEY PERSONNEL



\*Additional Construction Managers are available for support

\*All TKE Staff are located in all of our offices.





## SECTION 6 | TECHNICAL APPROACH

### A. TECHNICAL APPROACH

Successful project delivery is our goal. Our definition of successful project delivery is:

- △ Project Completion on Schedule
- △ Project Completion that Meets all Project Requirements
- △ Project Completion within Budget

Our goal is not limited to the construction administration of the project only, but includes the incorporation of value engineering and constructability review. Through the examination of the contract documents, we will identify potential cost-effective improvements that meets design requirements and which will provide for the greatest opportunity for expedited construction. This approach allows us to consistently deliver projects that use public resources in a very wise and responsible manner. We have developed this project approach in order to maintain an expertise in our core business of projects with tight budgetary constraints.

Our approach to your projects, recognizing that both schedule and budget are of primary concern, dictates that field decisions must be made quickly but carefully. When this is coupled with the various constraints present with the project, it is critical that the Authority choose a consultant with a proven track record of delivering. With a familiar team of senior level design and construction professionals and an in-house team, TKE is the right choice.

For water facility improvement projects, our approach includes early identification of critical construction elements, and experience with common challenges. In preparing this proposal, our team used our experience and knowledge of the project area and project type, and carefully reviewed the RFP to establish critical issues so we can be prepared to immediately mobilize upon notice to assist the Authority. Our experience with water infrastructure projects has enabled us to develop a complete comprehensive list of critical issues. Critical issues are presented in the following paragraphs:

### CRITICAL ISSUES

TKE is familiar with all types of services being requested by the Authority. Below are some of the critical issues which TKE reviews on a daily basis:

### PROJECT MANAGEMENT

Project management will be an essential element in all types of project delivery. Effective communications will lead to effective management. Management will include weekly reviews of project budget and schedules and regular meetings with all project shareholders.

For all projects, the most important aspect of management will be to ensure that Authority and the jurisdictional Cities/County interests are protected to the maximum extent possible and project schedules are met. TKE will ensure that public funds are used for the benefit of the community. Any deviation from standards and requirements will be referred to the Authority and TKE will implement direction given.

Project requirements, project schedule compliance and budget tracking will be important. Project requirements will be assessed by TKE. TKE staff will be responsible to verify that construction is completed in compliance with those project requirements. TKE's effective project management techniques will ensure that compliance will occur.

Further, maintaining excellent communications will prevent any project processing misunderstandings and will avoid project delays. TKE's developed management techniques have resulted in efficient project delivery throughout our 24-year history.

Managing other subconsultants is another area that TKE excels. Due to our extensive variety of project experience, TKE has a vast amount of knowledge with all public works improvement projects. With this understanding, TKE is able to manage others and avoid any costly project changed conditions and delays.

### CORROSION INSPECTION

TKE's team includes corrosion protection consultants. Design documents will include corrosion protection



requirements. TKE teams includes Kelsey Structural APC, CSI Services, and Farwest Corrosion Control. They will verify construction is compliant with these requirements.

## UTILITIES

For pipeline projects, construction contract change orders are primarily attributable to inaccurate plotting of utility interferences or due to unknown utilities. Potholing of all utility interferences prior to construction will ensure that contract change orders will be significantly reduced or even eliminated. It is anticipated that numerous underground utilities will be encountered in streets. After contractor exposes utility interferences, TKE will verify both horizontal and vertical alignments and gather other data (material, size, dimensions, etc.).

## TRAFFIC CONTROL

Traffic impacts created by construction of the pipeline must be mitigated to the maximum extent practicable. Traffic control design provided by the contractors shall be reviewed by TKE to ensure safe and convenient vehicular and pedestrian mobility during construction operations. We have extensive experience in construction traffic control plan preparation and plan review and we are intimately familiar with the WATCH, Caltrans, and MUTCD requirements.

## PAVEMENT RESTORATION

One side effect of most pipeline construction projects is the need for pavement restoration. Permits firm others will be required. These permits will be defined and confirm contractor compliance pavement restoration requirements. In our experience, it is common for restoration requirements to be varying among the municipal stakeholders. We will review each permit carefully and confirm contractor compliance.

## PERMITTING / AGENCY COORDINATION

TKE's wide range of successful project delivery has enabled us to forge relationships with the various resource agencies necessary for complex environmental and encroachment permitting. Our prior project experience has allowed us to develop many working relationships. We have successfully acquired permits

from Caltrans, US Army Corps of Engineers, US Fish and Wildlife Service, California Department of Water Resources, California State Water Resources Control Board, Cal-OSHA Mining and Tunneling, Regional Water Quality Control Board, BNSF, and UPRR, as well as local permits. Our review of permit requirements, long-standing relationships and permitting experience will confirm permit compliance and permit closure.

## STRICT CONSTRUCTION COMPLIANCE

In order to ensure cost controls and maintain project budgets, it is imperative that the Authority employ an experienced construction management and inspection team. Our construction management and inspection team has consistently delivered projects on-time and within budget by maintaining an active dialogue and hands on approach with the project contractor, while ensuring that all construction is consistent with the plans and specifications. We are familiar with applicable standards and specifications, including but not limited to numerous surrounding water districts and Caltrans, and Greenbook.

## DISPUTE RESOLUTION

TKE's construction managers are highly skilled with and have provided dispute resolution on a number of past projects. The keys to avoiding potential costly and time-consuming disputes are knowledge, communication and organization. Our construction managers pride themselves on thorough research and review of the project plans and specifications and existing knowledge and understanding of Caltrans, Greenbook and other standard plans and specifications. Their effective communications skills ensure that all stakeholders are constantly advised of project progress and requirements. Their proactive organizational program effectively manages the construction schedule, documents action items with required follow-up and continuous schedule reviews and anticipate needs for future action items. Our project manager's 'can do' approach to all project issues nearly always results in resolution. They are non-combative with all project stakeholders, maintaining professional working relationships with each stakeholder regardless of conflict. Their perseverance and vast knowledge and experience of issues will resolve challenges while



protecting the Authority's jurisdictional agencies interests.

that we will deliver the project on schedule and within budget.

### QUALITY ASSURANCE / QUALITY CONTROL (PLAN CHECK)

TKE takes pride in our reputation for thoroughness, rapid turnaround, cost efficiency and overall quality of work, and believes that a high level of quality is needed on all projects. High quality design yields the following tangible results:

- △ Ease of Oversight
- △ Smoother Processing
- △ Healthy Number of Bidders
- △ Consistent Bids
- △ Minimized Construction Support Costs
- △ Absence of Design Related Change Orders
- △ Reduced Claims and Dispute Resolution Costs

TKE believes that the most successful quality assurance program is one that is applied inherently throughout the entire design process and all design activities. This program requires not only formal procedures for checking but encourages the conscientious effort of the experienced people to always "create quality" in every task performed throughout review.

This program has become a natural element in all aspects of TKE's management activities, and will guide our work on this contract:

- △ Comprehensive Team Process "Think Tank"
- △ Assignment of Experienced Staff
- △ Continuity of Staffing
- △ Project Specific Work Plan
- △ Schedule Compliance
- △ Comprehensive Field Review and Compilation of Site Data
- △ Established Design Procedures
- △ Established Detailing Standards
- △ Established Checking Procedures, Including Independent In-House QA / QC Review
- △ Dual (Independent) Quality Estimates
- △ Review by Constructability Expert

The Quality Assurance/Quality Control program is in place to ensure that all projects exceed standards and



## SECTION 7 | BILLING RATES & COST

Per the RFQ requirements, TKE will submit our billing rates and cost separately.





## SECTION 8 | EXCEPTIONS TO THE RFQ

TKE has no exceptions to the Authority's Professional Service Agreement.



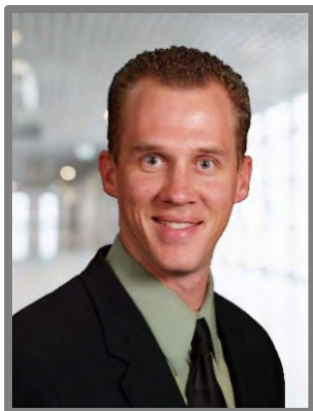
## SECTION 9 | PROPOSAL AUTHORIZATION

TKE' Senior Vice President, Terry Renner is authorized to bind, negotiate and execute an Agreement with the Authority on behalf of TKE. TKE's proposal shall remain valid for a period of 90 days from the date of submittal or receipt of the last best and final offer submitted. Please see the Cover Letter for Terry Renner's signature.



APPENDIX





**TERRY RENNER, P.E.,  
L.S., Q.S.D.**

**Project / Construction  
Manager**

TKE Engineering, Inc.

#### EDUCATION

B.S, Civil Engineering, California State Polytechnic University, Pomona

#### CERTIFICATIONS

Caltrans SWPPP Certified QSP/QSD Training

#### REGISTRATIONS

P.E. License Number 69984 (CA)

P.L.S. License Number: 9762 (CA)

Qualified SWPPP Developer and Practitioner #24329

#### AFFILIATIONS

Riverside-San Bernardino Counties Branch,  
American Society of Civil Engineers  
American Public Works Association  
American Council of Engineering Companies  
of California

Mr. Renner is the Senior Vice President of TKE and has 24 years of experience in civil engineering infrastructure projects, including water and sewer improvements, drainage improvements, transportation improvements, facilities improvements and recreation improvements. He has managed numerous projects and has delivered projects for East Valley Water District, the City of San Bernardino Municipal Water Department, Elsinore Valley Municipal Water District, Eastern Municipal Water District, Mission Springs Water District, Rubidoux Community Services District, Maywood Mutual Water Company No. 1, and the cities of Fontana, Upland, Riverside, Redlands, Rialto, Calimesa, El Monte and Corona. As a project manager, Mr. Renner has been responsible for design production, supervising a staff of engineers and drafters, coordinating work between the production team and the client, and for submitting all deliverables in a timely manner. As a construction manager, Mr. Renner has been responsible for construction coordination and scheduling, utility relocation coordination, public relations, submittal review, supervising a staff of inspectors and subconsultants, weekly progress meetings, request for information responses, storm water management, progress payments, change order review and negotiations, labor compliance, and project closeout. He has successfully delivered a wide variety of complex and challenging projects and is dedicated to ensuring that the plans produced by TKE continue to exceed industry standards.

#### DETAILED PROJECT EXPERIENCE

- **Holly Drive Reservoirs - San Antonio Water Company** – Mr. Renner served as Resident Engineer for this project to construct two new 120,000-gallon welded steel water storage reservoirs at the Holly Drive Tank Site. This project includes extensive earthwork and retaining walls of up to 20' in height to accommodate the proposed reservoirs and the demolition of an existing 60,000-gallon reservoir. Additionally, TKE is managing all CEQA and permit compliance efforts for the project.
- **Manganese Treatment Facility and 0.5 MG Reservoir Project, City of Huntington Park, CA** – Mr. Renner was the Project Manager, Design Engineer and Construction Manager for this project, which TKE prepared plans, specifications, and estimates for the construction of a grant funded 70-foot tall welded steel reservoir replacement project and a fully redundant manganese filtration plant capable of flowrates up to 1500 gpm in the City of Huntington Park. The project included the removal of a structurally deficient steel reservoir and construction of the proposed welded steel reservoir including a ring footing with 45-foot deep 3-foot diameter caissons to combat liquefaction issues. The reservoir removal and replacement is located within fifteen feet of an existing 70-foot tall 2 million gallon steel reservoir to be protected during construction.
- **Baseline Gardens Consolidation Project, East Valley Water District, San Bernardino, CA** – Mr. Renner provided project and construction management services for the Baseline Gardens Consolidation Project which is located in the City and Unincorporated Area of San Bernardino County north of Baseline Road. Proposed improvements provided replacement of all existing water main, service laterals and meters and appurtenances for the previously owned Baseline Gardens Mutual Water system which was consolidated by East Valley Water District with State grant funding. TKE provided construction management and inspection services for approximately 18,000 linear feet of water system replacement improvements and 480 service laterals including, pipeline, valves, fire hydrants, meters and appurtenances.
- **Recycled Water Pipeline Project, City of Hesperia, CA** – Mr. Renner was the Resident Engineer for this project which consists of construction of 8 miles of

recycled water pipelines ranging for 16" to 8" in diameter including, plan and profiles, specifications, cost estimates, and DWR funding management. In addition, TKE is providing construction assistance services, grant funding management and inspection for pipeline construction.

- **1720 Zone West Transmission Main Pipeline – City of San Bernardino, CA** - Mr. Renner was Resident Engineer for this project which consisted of the construction of 14,500' of 36" cement mortar lined and coated steel pipe, Metropolitan Water District and San Gabriel Valley Water District encroachment permits, San Bernardino County Flood Control District, US Army Corp of Engineers, and Department of Fish and Game permitting for pipeline bore and jack crossing of Devil's Creek Diversion Channel/Cable Creek, BNSF permitting for bore and jack crossing of railroad at Palm Avenue, and coordination with other agencies for tie-ins to the proposed reservoir site.
- **Pacific Avenue 16" and 12" Water Pipeline Improvements Project, City of Jurupa Valley, CA** – Mr. Renner was the Project and Construction Manager for this project which consists of 5,525 linear feet of 16" and 12" ductile iron and polyvinyl chloride pipe, including connection to existing system, construction of new water system infrastructure, bore and jack with 24" steel casing, meter connections, appurtenances and demolition and abandonment of required existing facilities.
- **In-Line Well Booster Pump and Chlorination Injection Replacement Project, City of Huntington Park, CA** – Mr. Renner was the Project Manager, Design Engineer and Construction Manager for this project, which TKE prepared plans, specifications, and estimates for the construction of in-line booster pumps for the installation of a manganese filtration plant capable of flowrates up to 1500 gpm in the City of Huntington Park. The redundant booster pumps are required to boost the water from well pump #4 through the filtration system and into the 70-foot tall welded steel reservoirs. The project included replacement of all well head piping and pump to waste discharge lines as well as the replacement of the existing chlorine chemical feed pumps with a vacuum chemical feed system to prevent chemical injectors from routine maintenance problems.
- **"I" Street Pipeline – City of San Bernardino, CA** – Mr. Renner is Resident Engineer of this project, which consists of the construction of 2,300' of 16" and 3,700' of 20" ductile iron pipe. The project included hanging the pipe beneath a flood control bridge crossing of the Devil's Creek and BNSF permitting for bore and jack crossing of railroad at Rialto





**MICHAEL THORNTON,**  
**P.E., P.L.S.**

**Plan Checker**  
TKE Engineering, Inc.

#### EDUCATION

M.S., Civil Engineering, California State University, Long Beach

B.S., Civil Engineering, California State Polytechnic University, Pomona

#### REGISTRATIONS

P.E. (CA): 44226

L.S. (CA): 6867

#### AFFILIATIONS

American Society of Civil Engineers  
American Water Works Association  
California Rural Water Association  
American Public Works Association  
American Council of Engineering Companies

Mr. Thornton, TKE's President, is in charge of all TKE projects. He has over 35 years of experience in engineering, construction management for public works projects. He has worked on a variety of public works engineering projects including water system improvements and drainage improvements projects. Mr. Thornton is responsible for managing including quality assurance/quality control projects and has provided construction engineering and surveying services for many of these same projects.

#### DETAILED PROJECT EXPERIENCE

- **Western Municipal Water District On-Call Plan Checking Services, City of Riverside, CA** – Mr. Thornton provided on-call plan services to Western Municipal Water District (WMWD). The plan checking services focused on infrastructure related to potable and recycled water delivery, and wastewater collection. TKE reviewed potable water and recycled water distribution systems and wastewater collection systems, including booster pump stations, sewer lift stations, PRV stations, and water storage tanks to ensure conformance with WMWD requirements and Construction Standards, and other applicable standards, especially the State Water Resources Control Board Division of Drinking Water design criteria for drinking water and recycled water systems are met.
- **Mission Springs Water District On-Call Engineering Services, City of Desert Hot Springs, CA** – Mr. Thornton was responsible for providing on-call engineering services to the Mission Springs Water District (MSWD) for capital and developer installed water and sewer projects. TKE is working with MSWD staff to manage more than \$100 million in water and wastewater CIP projects. In addition, TKE supports the district in several regional water resource planning elements, including Integrated Regional Water Management (IRWM), Sustainable Groundwater Management (SGMA), and Salt and Nutrient Management.
- **San Bernardino Municipal Water District On-Call Plan Check and Inspections, City of San Bernardino, CA** – Mr. Thornton served as the Primary Plan Checker. TKE is providing on-call plan check and inspection services to the City of San Bernardino Municipal Water Department (SBMWD) for developer installed water and sewer projects and capital improvement water system projects. TKE has provided plan checking services for more than 50 small and large tract developments, single family residential units and commercial retail centers within the City. Services included performing plan checking for water and sewer plans and AutoCAD files for conformance to SBMWD's design and CAD Standards. In addition to daily inspection services, TKE prepares daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, developed remedial work list and system startup inspections. In addition, TKE provides coordination with other project professional services (e.g. Geotechnical and Surveying).
- **Hesperia On-Call Plan Checking Services, City of Hesperia, CA** – Mr. Thornton was responsible for providing on-call plan and map checking services to the City. TKE is providing plan checking services for several small and large tract developments, single family residential units and commercial retail centers within the City. In addition, TKE is performing plan check on several capital improvement projects within the City.

- **Lake Arrowhead Community Service District, City of Colton, CA** – Mr. Thornton was responsible for providing district engineering services to the LACSD including staff augmentation, design, surveying, construction assistance and inspection. TKE serves as District Engineer and is assisting the district with its annual CIP implementation. TKE represents engineering at the district's board and other public meetings, manages engineering budgets and project schedules, works with other consultants to prepare improvement design projects, and various related work.
- **Needles On-Call City Engineering Services, City of Needles, CA** – Mr. Thornton was responsible for providing provides on-call civil engineering services to the city, including City Engineer. TKE currently manages more than \$20 million in public improvements. While providing these services to the city, TKE represented the city with other agencies at numerous meetings, represented engineering with the City's council and other public meetings, managed engineering budgets and project schedules, retained other consultants to prepare improvement design projects, managed funding programs, and various related work. In addition, TKE managed major infrastructure development projects.
- **Capitan Leland Norton Elementary School Offsite Water Improvements, San Bernardino Municipal Water District, City of San Bernardino**- Mr. Thornton was responsible for plan checking quality control and assurance for approximately 1,500 linear feet of DIP domestic water pipeline and appurtenances ranging from 8-inch to 20-inch diameter.
- **Wilson II Elementary School Offsite Water Improvements, San Bernardino Municipal Water District, City of San Bernardino**- Mr. Thornton was responsible for plan checking quality control and assurance for approximately 1,300 linear feet of 8-inch diameter DIP domestic water pipeline and appurtenances.
- **Middle College High School Offsite Water Improvements, San Bernardino Municipal Water District, City of San Bernardino, CA**- Mr. Thornton was responsible for plan checking quality control and assurance for approximately 1,400 linear feet of DIP domestic water pipeline and appurtenances ranging from 6-inch to 8-inch diameter.
- **PM 17887 Southgate Phase II Tie In Loop, San Bernardino Municipal Water District, City of San Bernardino**- Mr. Thornton was responsible for plan checking quality control and assurance for approximately 4,300 linear feet of DIP domestic water pipeline and appurtenances ranging from 8-inch to 16-inch diameter.
- **Alessandro II Elementary School Offsite Water Improvements, San Bernardino Municipal Water District, City of San Bernardino**- Mr. Thornton was responsible for plan checking quality control and assurance for approximately 700 linear feet of 8-inch diameter DIP domestic water pipeline and appurtenances.
- **PM 17772 Hospitality Courtyard, San Bernardino Municipal Water District, City of San Bernardino**- Mr. Thornton was responsible for plan checking quality control and assurance for approximately 600 linear feet of DIP domestic water pipeline and appurtenances ranging from 6-inch to 12-inch diameter.



**STEVE LEDBETTER, P.E.**

**Construction Manager**

**TKE Engineering, Inc.**

#### EDUCATION

B.S., Civil Engineering (Environmental),  
California State Polytechnic University,  
Pomona

#### CERTIFICATIONS

Civil Engineer, P.E. License Number 84044  
(CA)

#### AFFILIATIONS

Riverside-San Bernardino Counties Branch,  
American of Civil Engineers

American Public Works Association

American Council of Engineering Companies  
of California

Mr. Ledbetter has over 22 years of professional experience in the civil engineering industry. He handles various critical and challenging projects from planning through design and implementation; all while ensuring that projects are executed as per specification in the stipulated time with quality. He is well-rounded with experience in: preparation and analysis of street and utility improvement plans and specifications including potable and non-potable water, wastewater, and drainage; utility master planning including computer modeling, analysis, and report preparation; water resource planning and management including feasibility studies, urban water management planning, water supply assessments and verifications, integrated regional water management planning, and groundwater management planning; storm water compliance reporting including water quality management plans and storm water pollution prevention plans and; and grant writing and administration for various State and Federal agency programs.

#### DETAILED PROJECT EXPERIENCE

- **Regional Water Reclamation Program, Mission Springs Water District, CA** – Mr. Ledbetter is providing program management services for the development and construction of the District's Regional Water Reclamation Program (RWRP). The RWRP includes planning, design, and construction of a regional wastewater treatment plant, interceptor conveyance system, and local wastewater collection systems. Mr. Ledbetter is managing the completion of the RWRP, including: participation and management of funding acquisition; staff, board, consultant, funding agencies, and public coordination and communications; assessment district formation; State Revolving Fund (SRF) and grant application processing; State invoicing and reporting; environmental compliance processing; preliminary engineering preparation; plans, specifications, and cost estimates (PS&E) preparation; bidding and construction; and all related services to successfully complete the RWRP.
- **Eastgate Building No. 1 Water Supply Assessment, San Bernardino, CA** – The proposed Eastgate development project includes 658,500 square feet of industrial floor space for an air cargo use warehouse building located at San Bernardino International Airport. The development has an estimated water demand of 223 acre-feet per year. As project manager, Mr. Ledbetter is providing an assessment of the water supplies available to serve the development over a 20-year period.
- **Well No. 16, City of Needles, CA** - Mr. Ledbetter managed the design and construction of a new production well, Well No. 16, and transmission main located along Balboa Place and South of McShans Lane in the City of Needles. The project included design of the well pump and motor, above ground discharge piping, appurtenances, 2,750 linear feet of 16" transmission pipeline, shade structure, electrical system, and SCADA system integration. The project included restrained joints, system appurtenances, and connections to the existing systems and interconnections to City of Needles Water.
- **Well No. 232 Equipping Renovation, Rancho California Water District** – Mr. Ledbetter is managing the design of the Well No. 232 project is located along De Portola Road, east of Anza Road in the City of Temecula. The project includes the design for the downhole and site rehabilitation of the existing potable water production well capable of flowrates up to 1,000 gpm. The project includes design of the well pump and motor, above ground discharge piping, appurtenances, well building, tie-ins to the existing electrical and SCADA system, and coordination with the County of Riverside.



## SHELBY KELLEY, E.I.T.

### Construction Manager

TKE Engineering, Inc.

#### EDUCATION

B.S., Civil Engineering, San Diego State University

#### CERTIFICATIONS

P.E. License Number 95911 (CA)

Mr. Kelley is an Assistant Construction/Project Manager of TKE Engineering, Inc. and has 6 years of experience in civil engineering design and construction of infrastructure projects, including sewer and water improvements, drainage improvements, transportation improvements, facilities improvements, and construction methods. Mr. Kelley has been responsible for assistance with design of water and sewer plan/profile, lift stations, treatment plant facilities, preliminary design exhibits, and cost estimates.

#### DETAILED PROJECT EXPERIENCE

- Regional Water Reclamation Facility, Mission Springs Water District, City of Desert Hot Springs** – Mr. Kelley is currently assisting in performing construction management and office engineering services for the construction of the new Regional Water Reclamation Facility located near 20th Avenue and Little Morongo Road in the City of Desert Hot Springs. The \$43,000,000 project includes the construction of a 1.5 MGD Sequence Batch Reactor (SBR) wastewater treatment plant that will dispose treated secondary effluent in on-site disposal ponds. The project also includes an operations and administration building that will house a solids processing area, chemical storage area, maintenance area, administrative area, electrical room, and blower room. Mr. Kelley provides support in submittal and RFI review, change order review, progress payment review/approval, labor compliance, coordination with utilities, permitting, grant reimbursement and coordination with District representatives.
- Terrace Reservoir Rehabilitation, City of Desert Hot Springs** – Mr. Kelley provided project engineering services for this project. The terrace reservoirs, three 2.0 MG reservoirs, serve as MSWD's backbone storage facility, supplying much of downtown Desert Hot Springs and boosting to several higher-pressure zones. Due to their age (30 to 60 years old), the reservoirs were in need of significant operational and safety improvement to continue their critical service. In addition, the site was in poor condition due to decades of unmitigated storm water run-on. As such, the project required a seismic evaluation, reservoir conditional assessment, and site visit to develop a suite of recommended improvements and alternative for MSWD consideration. MSWD elected to add seismic improvements (i.e. raising the existing shell and adding new tub rings, and wind girders), operational improvements (i.e. new manways, inlet/outlet facilities, staircase, perimeter gutter and rail system, mixing system, etc.), and site improvements (i.e. regrading slopes, PCC v-ditches, retaining walls, planting and jute netting of slopes, etc.). TKE prepared a comprehensive contract document package for bidding.
- Well No. 16, City of Needles, CA** - Mr. Kelley assisted with the design of the new Well No. 16 and Waterline located along Balboa Place and South of McShans Lane in the City of Needles. The project includes well pump, above ground piping, appurtenances, discharge piping and shade structure. Along with the design of the proposed well, Mr. Kelley assisted with the design of 2,750 linear feet of 16" Ductile Iron pipe designated along Well Access Road and Balboa Place. The project includes restrained joints, system appurtenances, and connections to the existing systems and interconnections to City of Needles Water.



# NELSON BLACKWELL, CPII

Senior Construction  
Inspector

TKE Engineering, Inc.

## EDUCATION

Special Inspection Certification and Training - Southwest Training and Calibration San Bernardino, Ca

## CERTIFICATIONS

ICC - Special Inspector, Soils, Reinforced Concrete, Reinforced Masonry and ACI Field Testing Technician Grade 1

CPII – Certified Public Infrastructure Inspector (CPII)

Mr. Blackwell has over 8 years of experience providing inspection services for capital projects to several agencies throughout Southern California. His services include but are not limited to site grading, sewer and waterline installation, street paving, American Disabilities Act (ADA) improvements, underground infrastructure, utilities installation, steel reinforcements, concrete and masonry, path/retaining walls, and parking lot installation. Additionally, he is skilled in understanding project plans and specifications, accessing applicable code, maintaining good and proper relationships with project stakeholders and contractors, and helping to prepare final project documents. Mr. Blackwell has prepared daily inspection reports, developed construction photo logs, verified compliance with contract documents and approved project submittals, and verified public safety compliance.

## DETAILED PROJECT EXPERIENCE

- **Spyglass Reservoir Water Tank Replacement, Lake Arrowhead Community Services District** – Mr. Blackwell performed inspections for demolition of 300K Gallon steel water tank and construction of new 400K gallon concrete water tank and appurtenances. This project includes hillside grading, storm drain piping installations and local street paving.
- **Antler - Wildrose Waterline CIP Project, Lake Arrowhead Community Services District** - Mr. Blackwell provided inspection for approximately 5000 LF of waterline replacement along Wildrose Cir. and Antler Dr. This project will include Excavation through rock, Customer connections, Water meter relocations, Fire hydrant installations and Pavement restoration.
- **OCSW Wastewater Treatment Facility, City of Huntington Beach, CA** – Mr. Blackwell performed inspection services including site grading, paving, and numerous underground infrastructure and utilities installations.
- **GVWWTP Twin Screw Press CIP Project, Lake Arrowhead Community Services District** - Mr. Blackwell performed inspections for demolition of existing belt press and construction of new twin screw press at the Grass Valley Waste Water Treatment Facility.
- **City Wide Pavement Rehabilitation Program, City of Moreno Valley, CA** – Providing fulltime inspection of all street improvements including accessible ramp placement, asphalt placement, asphalt slurry placement, thermo-plastic and painted striping, and signage.
- **Boulder Ave Improvement Project, City of Highland, CA**– Mr. Blackwell provided full time inspection for asphalt, sidewalk, accessible ramp construction, curb and gutter, and landscaping improvements. 2021/2022
- **I&I Projects – North Bay Slip Lining Phase 2, Lake Arrowhead Community Services District** – Providing inspection of slip lining rehabilitation for existing sewer mainline.
- **Naval Weapons Station, Missile Magazines, City of Seal Beach, CA** – Mr. Blackwell performed inspection services for this concrete, missile bunker project. His services included professional construction observation of the slope and roof cover for the bunkers, road, and parking lots
- **Torrance Aquatic Center, Torrance Unified School District, Torrance, CA** – Mr. Blackwell performed inspection services for this \$15 Million project including professional construction observation of new pools, facility building, and underground infrastructure and utilities installations.





## BRAD ENSCOE

Senior Construction  
Inspector  
TKE Engineering, Inc.

### CERTIFICATIONS

OSHA 30 Certified  
16 Hour QSP Training Seminar  
APWA, Construction Inspection  
March 2010  
CMAA, Construction Inspection for  
Public Works March 2010  
Public Works Inspector Level 1  
Testing

### AFFILIATIONS

APWA, Construction Inspection  
CMAA, Construction Inspection for  
Public Works  
Public Works Inspector Level 1  
Testing

Mr. Enscoe has over 15 years of experience providing public works construction inspection services. Mr. Enscoe has prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, developed remedial work list and system startup inspections. In addition, Mr. Enscoe has provided coordination with other project professional services (e.g., Geotechnical and Surveying).

### DETAILED PROJECT EXPERIENCE

- **On-Call Inspection Services, San Bernardino Municipal Water Department**– Mr. Enscoe is providing on-call inspection services to the City of San Bernardino Municipal Water Department (SBMWD) on numerous public and private improvements related to housing tracts and commercial development projects, as well as capital improvement projects throughout the City. Mr. Enscoe has provided inspection of more than 46 pipeline projects totaling more than 100,000 linear feet of pipeline installation for SBMWD.
- **Arden Drive Street, Drainage, Sewer, Water, and Traffic Signal Improvements, City of El Monte, CA** – Mr. Enscoe performed construction inspection services for approximately 1,600 linear feet of street, 8" vitrified clay pipe sewer, 12" ductile iron water, drainage facility improvements and installation of a new traffic signal along Arden Drive between Valley Boulevard and BNSF Railroad Crossing.
- **San Bernardino Avenue Street Improvements, County of San Bernardino, CA** – Mr. Enscoe performed construction inspection services for these 8,800 linear feet of street median, sidewalk, traffic signal and storm drain improvements. This project included coordination with Union Pacific Railroad, the City of Fontana and compliance with requirements of a wide variety of funding sources to construct ultimate street widening improvements including median, curb and gutter, sidewalk, landscaping, traffic signal modification, striping, storm drain and sewer crossings and private onsite improvements. The project included right-of-way acquisition for eight parcels.
- **Pacific Avenue 16" and 12" Pipeline Replacement, Rubidoux Community Services District**– Mr. Enscoe provided inspection services for the Pacific Avenue 16" and 12" Water Pipeline Improvements Project which extends from Limonite Avenue to Mission Boulevard and is located in the City of Jurupa Valley. This project consisted of the construction of 5,525 linear feet of 16" and 12" ductile iron and polyvinyl chloride pipe, including connection to existing system, construction of new water system infrastructure, bore and jack with 24" steel casing, meter connections, appurtenances and demolition and abandonment of required existing facilities. Services included design, permitting, surveying, construction administration, construction inspection, coordination with agencies and consultants, and construction staking.
- **Mission Boulevard 24" Waterline Installation, Rubidoux Community Services District** -Mr. Enscoe was construction inspector for approximately 4,700 linear feet of 24" cement mortar lined and coated steel pipe including restrained joints, system appurtenances and connections to existing pipelines. Inspection of all traffic control facilities, backfilling, OSHA regulations and pavement repair was included.



## STEPHEN BISCOTTI

Senior Construction  
Inspector  
TKE Engineering, Inc.

### EDUCATION

B.A., Arts and Humanities Colorado State

### CERTIFICATIONS

OSHA 30 Certified  
16 Hour QSP Training Seminar  
Lean Manufacturing Seminar – Gibbs Wire & Steel Co., Inc.  
Forklift Certification 2004 – 2012 (Both operator and instructor) – Gibbs Wire & Steel Co., Inc.  
Step 2000 Courses (electricity and electrical control devices) Siemens E&A  
Conflict and Confrontation Seminar – Farmers Insurance  
Forklift Certification 1984 – 1990, Various Wire Mills in MA, CT, and CA

Mr. Biscotti has nearly 18 years of inspection experience with the last 8 years providing public works construction inspection services. Mr. Biscotti has provided inspection services to several municipalities throughout Southern California. Mr. Biscotti's further background in steel manufacturing inspection and oversight provide him with an extensive knowledge of ASTM specifications and OSHA standards. Additionally, Mr. Biscotti has received Step 2000 certification from Siemens for electrical design and inspection. Mr. Biscotti has provided coordination with other project professional services including geotechnical and survey. Mr. Biscotti has worked as a Public Works Inspector for inspection of capital improvement and developer installed improvements relating to the construction of water, sewer, streets, drainage, traffic signals, parks and housing tract improvements. Mr. Biscotti has prepared daily inspection reports, developed construction photo logs, assisted with progress and final payment processing, assisted with change order negotiations, verified compliance with contract documents and approved project submittals, verified public safety compliance, and developed remedial worklists.

### DETAILED PROJECT EXPERIENCE

- **Wells and Cypress Water Distribution Main Replacement, City of Riverside, CA**– Mr. Biscotti provided Construction Inspection Services for the Wells and Cypress Water Distribution Main Replacement project. He inspected the water main installation, installation of 8" DIP, trench repair, asphalt work, and sidewalk repair.
- **On-Call Inspection Services, San Bernardino Municipal Water Department**– Mr. Biscotti is providing on-call inspection services to the City of San Bernardino Municipal Water Department (SBMWD) on numerous public and private improvements related to housing tracts and commercial development projects. Mr. Biscotti has provided inspection of more than 10,000 linear feet of pipeline installation for SBMWD.
- **Pacific Avenue 16" and 12" Water Pipeline Improvements Project, City of Jurupa Valley, CA** – Mr. Biscotti performed construction inspection services for approximately 5,525 linear feet of 16" and 12" ductile iron and polyvinyl chloride pipe, including connection to existing system, construction of new water system infrastructure, bore and jack with 24" steel casing, 59 service meter connections, appurtenances and demolition and abandonment of required existing facilities.
- **Mission Boulevard Pipeline, Rubidoux Community Services District, City of Jurupa Valley, CA**– Mr. Biscotti performed construction inspection services for approximately 4,700 linear feet of 24" cement mortar lined and coated steel pipe water main improvements to two separate contractor's performing work simultaneously. The project included restrained joints, system appurtenances, and connections to the existing system and interconnection to Jurupa Community Services District.
- **Baseline Gardens Water Improvement, East Valley Water Department, City of Highland, CA**– Mr. Biscotti performed construction inspection services for approximately 18,000 linear feet of 8" diameter DIP Pipe including more than 500 water meter installations. Inspection included water line installation, including 6" and 8" ductile iron water mains, gate valves, fire hydrant installations, water meter installations, street paving, street marking, and traffic control.



# RALPH MARTINEZ

Senior Construction  
Inspector

TKE Engineering, Inc.

## CERTIFICATIONS

10 Hour OSHA  
Confined Space  
Competent Person  
Veriforce Evaluator

Mr. Martinez joined TKE in 2023, and has a collective 32 years of experience providing public works inspection. Mr. Martinez has successfully delivered a wide range of project types, including, yet not limited to City, Street, and Water projects. Work performed has been to meet and exceed the expectations of public works clients in Riverside, San Bernardino, and Orange County. Mr. Martinez has specialized expertise and knowledge in Project Management, Safety Officer, Quality Control, Overseeing timely completion for Private, Public, and Government projects. He is extremely knowledgeable with public works regulations and construction including Blueprint fluency, Project management, Site safety coordination.

## DETAILED PROJECT EXPERIENCE

- **Camp Pendleton Water and Wastewater Improvements, P1043 Northern Regional Tertiary Treatment Plant, City of Oceanside, Camp Pendleton-** Mr. Martinez served as Superintendent for the Camp Pendleton Water and Wastewater Improvement Project, P-0143 NRTTP. This ongoing \$260 million program, which also included new recycled water systems, delivered flexible, reliable, safe and easy-to-operate facilities that achieve rigorous compliance objectives and create a cleaner coastal environment. Ralph provided project management including onsite supervision, scheduling of inspectors, daily reports, weekly progress meetings, complete oversight. He made sure the EM 385 Federal Safety requirements were met.
- **Van Buren Boulevard Widening Improvement, Riverside County, CA-** Ralph was the Superintendent for the Van Buren Boulevard Widening Improvement project. The City of Jurupa Valley proposes to widen Van Buren Boulevard to provide six (6) total lanes, three (3) in each direction while maintaining the existing raised center median and providing curb and gutter. The widening of pavement along Van Buren Boulevard begins approximately 700 feet south of Limonite Avenue, and ends approximately 600 feet north of Clay Street, where the existing pavement is already wide enough to accommodate the third lane, also included an 18-inch pressure reducing station. The project will restripe the already widened area to provide a third lane in each direction from Clay Street across existing bridge over the Santa Ana River. Scope of work includes 18-inch CML &C and 12 in pressure reducing station and start up with approximately 3,000 ft of 18-inch installation of RCB and included double 6 by 8 RCB.
- **Sunny Mead Feeder Relocation Plan, EMWD-** Mr. Martinez served as the Superintendent for the Sunnymead Feeder Relocation project. The project consisted of 54inch CML &C with approximately 400 Ft and 1M gallons of dewatering of existing facilities and 72hr continuous shutdown and reconnection. For the installation of the Alessandro Commerce Center paid for by Former Construction. Ralph provided project management, value engineering, scheduling of inspectors, daily reports, weekly progress meetings, complete oversight. He fulfilled the Material and Safety officer role and provided Quality Control and Quality Assurance.







### Education

Bachelor of Science Degree,  
California State University at  
Los Angeles



### Certifications

SSPC – Certified Protective Coatings  
Specialist #887-792-1267



NACE International –  
Certified Coatings Inspector Level III  
Certificate #4324

Instructor for NACE International  
Coating Inspector Program



SSPC – Certified Protective Coating  
Inspector (PCI) Level III #21886

SSPC – Certified Concrete Coating  
Inspector (CCI) Level III #94681

SSPC – Certified Master Coating  
Inspector (MCI) #MC10031

Instructor for SSPC's PCI Program

Instructor for SSPC's C-1  
"Fundamentals of Coating on Industrial  
Structures."

Instructor for SSPC's C-2 "Specifying  
and Managing Protective Coatings  
Projects."

SSPC-C3 Certified Supervisor for  
Deleading of Ind. Structures

SSPC-C7 Fundamentals of Dry  
Abrasive Blast Cleaning

Certified Linabond Copolymer  
Inspector

Certified Ameron T-Lock/Arrowlock  
Inspector

### Associations

AWWA – Contributing author member  
D101 Revision Committee (Tank  
Evaluation & Inspection Standard)

Cal-Nev Multi-year Chairman of  
-Tanks, Reservoirs, & Structures  
Maintenance Committee and Corrosion  
Control Committee

SSPC  
SoCal/SoNev Chapter Chairman  
(2003 - 2022)

NACE International (CI Trustee)

## Patrick C. Sweeney



Mr. Sweeney has worked for over 30 years as a coating inspector and/or project manager verifying the quality of coating or lining inspection projects in water, wastewater, and petrochemical environments. Mr. Sweeney has been involved in over 1000 tank projects. He also routinely completes maintenance and corrosion surveys, develops specifications, and completes coating failure analysis. A partial listing of storage tank projects that he successfully completed follow:

**Santa Clarita Valley Water Agency** - Inspector and/or Project Manager during the construction or maintenance of over 160 different steel water storage tank projects. These assignments included the development and implementation of a tank maintenance program following both dry and underwater surveys (over 200 dive inspections), work prioritization, budgeting, specification development, and in-process inspection services.

**Eastern Municipal Water District** - Mr. Sweeney acted as Project Manager and/or field inspector during the lining/painting of over 50 different water storage tanks and various wastewater facilities.

**U.S. Department of Defense** - Inspector for corrosion and coating evaluations of over 500 steel, concrete, and plastic storage tanks located throughout the Continental U.S., Hawaii, Alaska, Japan, Wake Island, & South Korea.

**U.S. Department of Energy** - Project Manager during the maintenance inspection and repair of five different steel storage tanks located at the Nevada Test Site (Areas 12, 24, 15, and 18).

**City of Long Beach, CA** - Inspector and/or Project Manager during the evaluation of 32 different steel water storage tanks, which included the development of a tank maintenance program following both dry and underwater surveys, work prioritization, and budgeting.

**Honolulu International Airport, HI** - Project Manager/Inspector during the assessment of 48 large capacity fuel storage tanks. The assignment included evaluations, engineering and design, and inspection services as part of a Master Tank Maintenance Plan.

**U.S. Navy** - Project Manager during the relining of numerous welded steel storage tanks at over 86 different military installations throughout the world. Highlighted work includes the coating of the Red Hills Fuels Complex, Hawaii a facility listed as the third most significant engineering achievement in the U.S.

Mr. Sweeney has also been intimately involved in coating projects for clients such as Army Corp of Engineers, Golden Gate Bridge, Lawrence Livermore Laboratories, NASA, Disney, Southern California Edison, PG&E, Department of Water Resources, Grant County PUD, LA MTA Subway, British Petroleum, City of Carlsbad, Crystal Cruises, Trona Trainlines, City of San Diego, City of Simi Valley, Texaco, Sea World, Ramona MWD, LA DWP, City & County of San Francisco, Jet Propulsion Laboratory, Orange County Sanitation District, ExxonMobil, City of Bakersfield, City of Hayward, Port of San Diego, Shell Oil, Bechtel, Los Angeles County Sanitation District, Port of Long Beach, and others.

A more comprehensive listing, including a long form CV of other types of projects is available upon request.

Corporate Office • P.O. Box 801357 Santa Clarita California 91380 • 877.274.2422

Hawaiian Office • P.O. Box 671, Aiea, HI 96701

Northern California Office • P.O. Box 371, Sonoma, CA 95476

<http://www.CSIServices.biz>



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Sweetwater Authority







## RESUMES



**Matt Stone, PE, SE**  
Senior Project Manager

Mr. Stone is a currently licensed California Structural Engineer with over 14 years of project management and structural design work encompassing commercial, infrastructure, water, wastewater and military projects. He has performed many complex structural and seismic designs for new and existing buildings utilizing the latest design standards and

Education/Professional Registration

BS, Structural Engineering, 2008, UCSD  
MS, Structural Engineering, 2009, UCSD  
Civil Engineer in California, 2011, No. 78488  
Structural Engineer in California, 2014, No. 6183

philosophies. His work has included the preparation of structural drawings, specifications, and calculation packages, project coordination and management, technical report writing, cost estimating and construction support services. He specializes in the assessment, design and retrofit of water and wastewater treatment, storage and conveyance facilities.

### Relevant Project Experience

**EVMWD Rice Canyon & Ortega Reservoirs Rehab – Lake Elsinore, CA – Project Manager – Kelsey Structural – Ongoing**  
Mr. Stone is serving as the structural project manager for the rehabilitation of the existing Rice Canyon and Ortega Reservoirs for Elsinore Valley Municipal Water District (EVMWD). Kelsey Structural previously performed the structural condition assessment of seven (7) reservoirs within the EVMWD storage and distribution system and identified the Rice Canyon and Ortega Reservoirs to be the highest priority for rehabilitation. The project has included a preliminary design phase identifying the proposed reservoir retrofits and rehabilitation including exterior coating overcoat, interior coating replacement, roof framing repairs, center cone and dollar plate replacements, shell and floor plate patching and various appurtenance improvements. The project is currently in the design phase with structural drawings to include selective demolition plans, repair plans and sections, and repair details. Additional elements of the rehabilitation design include a new exterior spiral staircase, roof perimeter handrail, new access hatches and new flush cleanout.

**CVWD Avenue 66 Transmission Main Phase 2 – Thermal, CA – Project Manager – Kelsey Structural – In Construction**  
Mr. Stone provided the structural design of the Avenue 66 Transmission Main pipeline crossings for Coachella Valley Water District (CVWD). A new 30" diameter transmission main is being constructed for CVWD along Avenue 66 in Thermal, CA with two river crossings occurring along the alignment. The pipeline was designed to free span over 65' across the river crossings with a 54-inch grout-filled steel casing pipe and did not utilize the existing road bridges, eliminating the need for Caltrans encroachment permits and design verification of the existing bridges. Instead, standalone 20' deep drilled pier foundations with spread footing pile caps were designed to support the pipeline on either side of the river crossings. The foundations were designed for gravity, seismic, wind, thermal expansion and thrust loading. Custom steel pipe saddles were also designed with unidirectional sliding bases allowing for thermal movement while still providing the necessary lateral restraint for seismic and wind loading. The pipeline is currently in the early stages of construction and is anticipated to be completed in late 2024.

**RMWD Mt. Woodson Pipeline Replacement – Ramona, CA – Project Manager – Kelsey Structural – In Construction**  
Mr. Stone provided the structural design of the foundation and anchor blocks for a replacement 30-inch water pipeline for Ramona Municipal Water District. The existing pipeline had been determined to be undersized for current and future demands and required an increase to 30-inch. This larger pipe size required the design of new concrete pedestal and spread footing foundations as well as new anchor/thrust blocks located along the alignment. The concrete pedestal foundations were spaced at a maximum of 25'-0" on-center to provide gravity and seismic resistance for the pipeline, while a slotted pipe saddle connection allowed for linear movement along the pipeline to accommodate thermal expansion. The new anchor and thrust blocks were designed to resist the loads due to thrust from the internal pipe pressure at 15-degree alignment bends and the unbalanced pipe weight due to the slope of the pipeline alignment. The pipeline is currently in the early stages of construction and is anticipated to be completed in late 2024.

**COSD North City Conveyance System – San Diego, CA – Structural Engineer – Kelsey Structural – In Construction**  
Mr. Stone provided structural design for the City of San Diego North City Conveyance System project including a new pipeline utility bridge spanning 100' under the existing Miramar Road concrete bridge, a new Dechlorination Facility consisting of a CMU building to protect (2) chemical tanks, and the design of multiple concrete below grade metering vaults and retaining walls. The pipeline bridge included a new steel framed support structure anchored to the existing bridge abutments and columns. Considerations for gravity, seismic and thermal expansion loads were required during design. Several agencies were involved in the review process, which triggered additional Caltrans requirements and specialized calculation package development to meet plan check comment requirements.

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## Ian Oakley

AMPP Certified NACE CP4



**FARWEST CORROSION  
CONTROL COMPANY**  
INTEGRITY | SERVICE | QUALITY

CERTIFIED MINORITY BUSINESS ENTERPRISE (MBE)



Mr. Ian Oakley is an AMPP/NACE certified Cathodic Protection Specialist (Certification #5326), Senior Corrosion Technologist (Certification #5326) and Coating Inspector Level 2 (Certification #19569) with over 34 years' experience in corrosion control and cathodic protection. Ian has worked throughout all phases of cathodic protection of fueling industry, oil and gas, refinery and power plant piping and other systems since 1989, including surveys, data interpretation, design and installation supervision/management of corrosion control and cathodic protection systems for various metallic structures. Long term and short-term projects include fuel pipelines in UK, Iran, Qatar, Alaska (Alyeska pipeline), Guam/Hawaii (Hydrant Fuel piping), and the western states of the USA. Ian has also worked as a site engineer, performing troubleshooting, field design, and implementation of cathodic protection systems on large scale cathodic protection systems for large steel pile loading structures and associated oil and natural gas pipelines for petrochemical chemical plants in Iran and Qatar. Ian was also responsible for the development of several CP system designs as part of a multidisciplinary team for cathodic protection of remote segments of the Alyeska Oil pipeline in Alaska.

### Education and Professional Registrations

- BSc. (Hons), Applied Biology – Trent Polytechnic, Nottingham, UK. 1978
- Post Graduate Diploma, Offshore Materials & Corrosion Engineering, RGIT, Aberdeen, Scotland. 1987
- Certificate in Project Management, University of California Irvine-Extension. 2013
- AMPP/NACE Certified CP Specialist #5326
- AMPP/NACE Senior Corrosion Technologist #5326
- AMPP/NACE Coatings Inspector Level 2- Certified #19569

### Professional Affiliations/Accomplishments

As a Cathodic Protection Specialist, Ian has the responsibility for cathodic protection (CP) designs, troubleshooting, testing, system evaluation, data gathering, and management for assigned domestic and international corrosion control projects.

### Professional Accomplishments

- Detailed design of galvanic CP system for China Lake NAS project in 2023.
- Field surveys and detailed design of impressed current cathodic protection systems for the hydrant fuel systems at Hickam Air Force Base in Hawaii and at Anderson Air Force Base in Guam.
- Detailed design of hybrid impressed current and galvanic anode cathodic protection systems for buried piping and on-grade tank bottoms at 5 natural gas fueled power plants in Nevada.
- Performed corrosion surveys of existing CP systems for an aging sour gas pipeline in Iran.
- Prepared CP designs for large, buried LNG tanks for Qatar General Petroleum Company in Qatar.
- Detailed design, on site engineer and project manager for cathodic protection of 1,300+ bare steel pile at a marine loading terminal in Iran with a CP system output rating of 10,000 Amps.
- Design of cathodic protection and coordination of AC interference mitigation for 20 miles of natural gas piping for the Consumnes Power Plant near Sacramento CA.
- Performed feasibility studies, field evaluations and detailed cathodic protection designs for buried oil pipelines and for on-grade fuel storage tanks for Alyeska Pipelines in Alaska.

### Project Commitment:

Mr. Oakley has been a long-standing Farwest Corrosion Control employee and one of our most experienced CP4s. Ian will be available upon notice to proceed and will remain a vital team member for the project.



Request for Qualifications | On-Call Construction Management and Construction Inspection Consulting Services

Sweetwater Authority



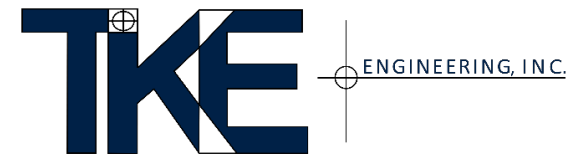


Prepared By:



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Riverside, CA, 92507

[www.TKEengineering.com](http://www.TKEengineering.com)



**TIKE** ENGINEERING, INC.

# **RATE SCHEDULE** 2023– 2024

	<b><u>HOURLY RATE</u></b>
Principal in Charge .....	\$180.00
Project Manager/Construction Manager/Licensed Surveyor .....	\$170.00
Traffic Engineer (TE) .....	\$160.00
Senior Engineer/Project Engineer (PE)/Senior Plan Checker .....	\$160.00
Assistant Project Manager/Associate Engineer .....	\$150.00
Assistant Engineer/Plan Checker/Designer .....	\$140.00
AutoCAD Technician .....	\$130.00
Engineering Technician .....	\$100.00
Clerical .....	\$ 90.00
Forensic Engineering .....	\$275.00
Expert Witness Testimony .....	\$375.00

## **SURVEYING SERVICES**

2-Man Survey Crew (Prevailing Wage) .....	\$250.00
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## **CONSTRUCTION SERVICES**

Senior Construction Inspector (Prevailing Wage) .....	\$130.00
Construction Inspector (Prevailing Wage) .....	\$120.00

## **REIMBURSABLE COSTS**

In-house Reproduction .....	Cost
Printing and Materials .....	Cost + 10%
Express Mail/Courier/Next Day Service ..	Cost + 10%
Special Subconsultant Services ..	Cost + 10%