Agreement for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone (760) 329-6448 - FAX (760) 329-2482

For your protection, make sure that you read and understand all provisions before signing. The terms on pages 2 - 5 are incorporated in this document and will constitute a part of the agreement between the parties when signed.

TO: **TKE Engineering, Inc.**
2305 Chicago Ave.
Riverside, CA 92507

DATE: November 2, 2021

CONTRACT DIR # 396099

TITLE: **Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project**

The undersigned Consultant agrees to furnish the following:

All Work/Services per the attached Exhibit A – Qualification Proposal and in accordance with Exhibit B – Cost Proposal as provided by TKE Engineering, Inc., and per Exhibit C – Term, Early Termination & Notice

Contract price $: Not to Exceed $3,671,000.00

Term: One Hundred-Eighty (180) days following the completion of construction of the overall Project

Instructions: Sign and return the originals. Upon acceptance by Mission Springs Water District, a copy will be signed by its authorized representative(s) and promptly returned to you. Insert the names of your authorized representative(s) below.

Accepted:

Mission Springs Water District

By: _____
Arden Wallum

Title General Manager

Other authorized representative(s):

Brian Macy
Assistant General Manager

_____

Consultant:

TKE Engineering, Inc.
(Business Name)

By: _____
Terry Renner

Title Senior Vice President

Other authorized representative(s):

Michael Thornton
President

Steve Ledbetter
Vice President

Consultant agrees with the Mission Springs Water District that:

a. When the law establishes a professional standard of care for Consultant's services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees, and authorized volunteers from all claims and demands of all persons that arise out of, pertain to, or relate to the Consultant's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. Consultant shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Consultant's performance or non-performance of the work hereunder, and shall not tender such claims to Mission Springs Water District nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.

b. Other than in the performance of professional services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out the performance of the work or furnishing of materials; including but not limited to, claims by the Consultant or Consultant's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of Mission Springs Water District, its directors, officers, employees, or authorized volunteers.

c. By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Consultant will comply with such provisions before commencing the performance of the professional services under this agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.

d. Consultant will file with Mission Springs Water District, before beginning professional services, a certificate of insurance satisfactory to Mission Springs Water District evidencing professional liability coverage of not less than $1,000,000 per claim and $2,000,000 annual aggregate, that coverage shall not be cancelled except with notice to Mission Springs Water District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-:VII, or equivalent, or as otherwise approved by Mission Springs Water District. The retroactive date (if any) is to be no later than the effective date of this agreement. Consultant shall maintain such coverage continuously for a period of at least five (5) years after the completion of the contract work. Consultant shall purchase a five-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.

e. Consultant will file with Mission Springs Water District, before beginning professional services, certificates of insurance (Acord Form 25 or equivalent) satisfactory to Mission Springs Water District evidencing

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 0001)

2. Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto)

Limit – The consultant shall maintain limits no less than the following

1. General liability - coverage of not less than two million ($2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for bodily injury, personal injury and property damage; ($4,000,000 general and products-completed operations aggregate (if used)).

2. Auto liability - One million dollars $1,000,000 for bodily injury and property damage each accident limit.

3. Workers' compensation (statutory limits) and employer's liability ($1,000,000) (if applicable).

Required Provisions –

- The general liability coverage shall give Mission Springs Water District, its directors, officers, employees (collectively the District), and authorized volunteers insured status (via ISO endorsement at least as broad as CG 2010 1185 or **both** CG 20 10 plus CG 20 37 if a later editions is used) specifically naming the Mission Springs Water District, its directors, officers, employees, or authorized volunteers; or using the language that states "as required by written contract."

- The general liability coverage is to state or be endorsed (with as broad as ISO endorsement CG 20 01 04 13) to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by Mission Springs Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it".

- Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-:VII, or equivalent, or as otherwise approved by Mission Springs Water District.

- The coverage shall contain no special limitations on the scope of protection afforded to Mission Springs Water District, its directors, officers, employees, or authorized volunteers.

- In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.

f. If any of the required coverages expire during the term of this agreement, the Consultant shall deliver the renewal certificate(s) to Mission Springs Water District at least ten (10) days prior to the expiration date.

g. Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other Authorized Representative(s)."

h. Payment, unless otherwise specified on Page 1, is to be within thirty (30) days after acceptance by Mission Springs Water District.

i. Professional permits required by governmental authorities will be obtained at Consultant's expense, and Consultant will comply with applicable local, state and federal regulations and statutes including but not limited to Cal/OSHA requirements.

j. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental agreement executed by Mission Springs Water District. Consultant's "Authorized Representative(s)" has (have) the authority to execute such written change for Consultant.

k. Unless otherwise agreed upon in writing, all reports, documents, or other written material, including any documents, images, photographs, video files, or other media created or developed by Consultant as part of the services required hereunder ("Written Products") shall be considered to be "works made for hire", and all Written Products and any and all intellectual property rights arising from their creation, including, but not limited to, all copyrights and all other proprietary rights, shall be and remain the property of Mission Springs Water District without restriction or limitation upon their use, duplication or dissemination by Mission Springs Water District, except as otherwise provided herein. Consultant shall not obtain or attempt to obtain copyright protection as to any of the Written Products.

l. Consultant hereby assigns to Mission Springs Water District all ownership and any and all intellectual property rights to the Written Products that are not otherwise vested in Mission Springs Water District pursuant to section above.

m. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to the Consultant by the Mission Springs Water District or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of an Authorized Representative during the term of this Agreement. Consultant's covenant under this section shall survive the termination of this Agreement

n. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the Mission Springs Water District or the Authorized Representative. The Consultant shall maintain adequate records on services provided in sufficient detail to permit an evaluation of service. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. At all times during regular business hours, Consultant shall provide access to such books and records to the Authorized Representative or his or her designees, and shall give the Authorized Representative or his or her designees the right to examine and audit such books and records and to make transcripts as necessary, and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement.

o. This Agreement is personal to the Consultant. Any attempt to assign or subcontract any right or obligation hereunder by the Consultant shall be void unless approved in writing in advance by the Authorized Representative. Consultant's services pursuant to this Agreement shall be provided by the representative or directly under the supervision of the representative and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of the Mission Springs Water District, by and through the Authorized Representative

p. Consultant shall not maintain, commit, or permit the maintenance or commission of any nuisance in connection with the performance of services under this Agreement

q. Consultant agrees to be familiar with and comply with all applicable federal, state, and local conflict of Interest laws, including, but not limited to, the Political Reform Act (California Government Code Sections 81000, et seq.) and California Government Code Section 1090. During the term of this Agreement, Consultant shall retain the right to perform similar services for other clients, but Consultant and its officers, employees, associates and subcontractors shall not, without the prior written approval of the Authorized Representative, perform work for another person or entity for whom Consultant is not currently performing work that would require Consultant or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict of interest statute.

r. A waiver by the Mission Springs Water District of any breach of any term, covenant, or condition contained in this Agreement shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement whether of the same or different character.

s. The Consultant shall commence, carry on, and complete all required tasks with all practicable dispatch, in a sound, economical, and efficient manner in accordance with all applicable laws and generally accepted industry standards.

t. No Third Party Beneficiaries. The Mission Springs Water District shall not be obligated or liable under this Agreement to any party other than the Consultant.

u. In no event shall the making by the Mission Springs Water District of any payment to the Consultant constitute or be construed as a waiver by the Mission Springs Water District of any breach of covenant, or any default which may then exist, on the part of the Consultant, and the making of any such payment by the Mission Springs Water District while any such breach or default shall exist shall in no way impair or prejudice any right or remedy available to the Mission Springs Water District with regard to such breach or default.

v. If any legal action is necessary to enforce any provision of this Agreement or for damages by reason of an alleged breach of any provisions of this Agreement, the prevailing Party shall be entitled to receive from the losing Party all costs and expenses in such amount as the courts may determine to be reasonable. In awarding the cost of litigation, the court shall not be bound by any court fee schedule, but shall, if it is in the interest of justice to do so, award the full amount of costs, expenses, and attorneys' and experts' fees paid or incurred in good faith.

w. In the performance of the work required by this Agreement, Consultant shall abide by and conform with and to any and all applicable laws of the United States and the State of California, and with the local County and Municipal Code, ordinances, regulations and policies.

x. If any part, term, or provision of this Agreement shall be held illegal, unenforceable, or in conflict with any law of a federal, state, or local government having jurisdiction over this Agreement, the validity of the remaining portions or provisions shall not be affected by such holding.

y. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be the Superior Court of Riverside County, California.

z. This Agreement represents the entire Agreement between the Mission Springs Water District and Consultant with respect to the subject matter hereto and supersedes all prior oral or written negotiations, representations or agreements. No verbal agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the parties to this Agreement and any subsequent successors and assigns. In the event of any inconsistency between the provisions of this Agreement and Consultant's proposal or Quote, and Exhibits hereto, the provisions of this Agreement shall control.

aa. Precedence of Exhibits. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.

bb. Consultant will act hereunder as an independent contractor. This agreement shall not and is not intended to constitute Consultant as an agent, servant, or employee of the Mission Springs Water District and shall not and is not intended to create the relationship of partnership, joint venture or association between the Mission Springs Water District and Consultant.

cc. Each of the signatories herein, hereby represents that he or she has the authority to execute the Agreement on behalf of his or her contracting party.

dd. Pursuant to Section 1770, and following, of the California Labor Code, the consultant shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of such prevailing rate of per diem wages are on file at the office of the Owner, which copies shall be made available to any interested party on request. The consultant shall post a copy of such determination at each job site.

This project is subject to the State of California "Prevailing Wage Rates".

This project is subject to the requirements of California Labor Code Section 1720 et seq. requiring the payment of prevailing wages, the training of apprentices and compliance with other applicable requirements. In accordance with provisions of Section 1773 of the Labor Code, the Director of the Department of Industrial Relations has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes applicable to the craft, classification, or type of workers employed on the work. The wage determinations shall be included in the bid specifications. All pertinent wage determinations shall be posted on the jobsite. If federal funding is included in the project, the higher of the State and Federal wage rates shall be used.

Pursuant to SB854, no contractor or subcontractor may work on a public works project unless registered with DIR for contracts awarded on/after April 1, 2015 General Contractors shall ensure all subcontractors executing work under the contract are DIR registered. All public works contractors and subcontractors to furnish Certified Payrolls and related records to the Agency's representative and shall also furnish electronic certified payroll records directly to the Labor Commissioner using the DLSE's online portal.

EXHIBIT A

REQUEST for QUALIFICATIONS

for Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

JOB ID: 17-002-S | JOB #: 11424

for:

MISSION SPRINGS WATER DISTRICT
66575 2nd Street
Desert Hot Springs, CA 92240

MSWD
Mission Springs Water District

September 9, 2021

Prepared by:

TKE ENGINEERING, INC.

2305 Chicago Avenue
Riverside, California 92507
(951) 680-0440

www.TKEengineering.com

September 9, 2021

Mr. Luiz Santos
Associate Engineer
MISSION SPRINGS WATER DISTRICT
66575 Second Street
Desert Hot Springs, CA 92240

Subject: Request for Qualifications for Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project
Job ID: 17-002-S Job #: 11424

Dear Mr. Santos,

Thank you for the opportunity to present this material outlining TKE Engineering, Inc.'s (TKE) qualifications. Enclosed herein is a comprehensive proposal depicting our qualifications and abilities to provide Construction Management and Inspection Services for the Regional Water Reclamation Facility Construction Project.

A. Consultant Identification - TKE, a California Corporation, has a local office next door to our partner, Anser Advisory, at 73-710 Fred Waring Drive #104 Palm Desert, CA 92260, and is headquartered in Riverside, California. TKE and our project team have an unmatched understanding of the project requirement and are highly qualified to perform the services necessary for successful project delivery. TKE is enthusiastic about the opportunity to continue assisting Mission Springs Water District (MSWD) in improving the infrastructure of our community. TKE's headquarters address is 2305 Chicago Avenue, Riverside, CA 92507 and can be reached by phone at (951) 680-0440.

B. Project Team – TKE is a full service, multi-disciplinary consulting corporation offering in-house delivery of construction management and inspection services as well as planning, preliminary design, final design, topographic surveying, mapping, right-of-way engineering, legal and plat preparation, utility research, coordination and relocations services, bid assistance, and construction staking services for wastewater systems, water systems, recycled water systems, storm drain systems, detention/retention basins, transportation, street widening, pavement rehabilitation, sidewalk, parking lots, traffic signal, striping, grading, parks and public facilities improvement projects. Joining our team as subconsultants and partners are Anser Advisory LLC (Wasterwater Treatment Plant, Resident Engineering, Scheduler, and Inspection), Geocon West Inc. (Deputy Inspection and Materials Testing), and UltraSystems (Environmental Engineering). Additional Team details are as follows:

Firm Legal Name	DBE	Primary Contact	Address	Phone and Email
Anser Advisory, LLC	No	Tyson Atwood, P.E., Q.S.D. *Senior Director VP*	73-710 Fred Waring Drive, Suite No. 102 Palm Desert, CA 92260	P. 805.459.7697 tyson.atwood@anseradvisory.com
Geocon West, Inc.	No	Neal Berliner, GE *President*	41571 Corning Place, Suite 101 Murrieta, California 92562	P. 818.841.8388 berliner@geoconinc.com
UltraSystems Environmental (DBE)	Yes	Betsy A. Lindsay, ENV SP *President*	16431 Scientific Way, Irvine, CA 96218	P. 949.788.4900 blindsay@ultrasystems.com

C. District Relationship – TKE has a long-standing 15 year relationship with MSWD. Over the past 15 years we have partnered with MSWD to successfully deliver numerous capital improvement projects.

Specifically, TKE aided in the development of the Regional Water Reclamation Facility Construction Project; and has managed the project on behalf of MSWD to date. As such, TKE is uniquely qualified to successfully deliver the project through completion.

D. Addenda – To date, TKE has not received any addenda for this RFQ from MSWD. Of note, we are in receipt of the responses to questions on the bid portal.

E. Contact Person – Terry Renner, P.E., Q.S.D., TKE's Senior Vice President, will be the contact person during the proposal evaluation period. Mr. Renner can be reached by phone at (951) 680-0440 or by email at trenner@tkeengineering.com. As Senior Vice President of TKE, Terry Renner is an authorized representative to bind TKE to the terms of the proposal and to negotiate contract prices/terms on TKE's behalf.

F. RFQ Understanding - The TKE Team has read and understands the RFQ in its entirety, including, without limitation, the scope and nature of the work, the draft Professional Services Agreement (PSA), all appendices, attachments, exhibits, schedules, and addendum, as applicable.

G. DIR Registration – The TKE Team are all. is registered and in good standing with the California Department of Industrial Relations; TKE's Registration Number: PW-LR-1000413173. All DIR registration numbers for the subconsultant team can be provided upon request.

H. Conditions - The TKE Team has no conditions that would impede the successful completion of this project. TKE has no objections, exceptions, or deviations to the RFQ and Agreement.

I. Proposal Validity - TKE's proposal shall remain valid for a period of one hundred and eighty (180) days from the date of submittal.

J. Correctness - All information presented in the following proposal is true and correct to the best of the knowledge of the TKE Team.

TKE very much appreciates the opportunity to submit a comprehensive proposal to provide Construction Management, Inspection, and Related Services for this project. If you have any questions, please call me at (951)680 0440 or e-mail me at trenner@tkeengineering.com.

Sincerely,

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

TABLE OF CONTENTS

Prepared for:
Mission Springs Water District
66575 Second St Desert Hot Springs, California
Contact: Luiz Santos
Phone: (760) 699-2410 | **Email:** lsantos@mswd.org

Prepared by:

TKE Engineering, Inc.
2305 Chicago Ave. Riverside, CA 92507
Contact: Terry Renner, Senior Vice President
Phone: (951) 680-0440 | **Email:** trenner@tkeengineering.com

SECTION 2: PROJECT UNDERSTANDING AND APPROACH

TKE Engineering, Inc. AT A GLANCE

Location of Local Office
TKE Engineering, Inc.'s local office is located at 73710 Fred Waring Drive #104 Palm Desert, CA 92260

Years in Business
TKE was founded in 2000 and has 21 years of experience in providing construction management and engineering support services for municipalities.

Company Structure
TKE is a California Corporation founded in June 2000. TKE is not a subsidiary. California Business License Number: 00109901

DIR NUMBER PWCR #1000019851

Size of Organization
47 Professional Construction Managers, Project Managers, Engineers, Traffic Engineering Specialists, Plan Checkers, Inspectors, Surveyors, Designers, and Support Staff

City/District Engineer
TKE serves as the City Engineer in 6 Cities/Districts in Southern California, including 1 in the Coachella Valley.

Construction Management Contracts
TKE has provided construction management and inspection on more than $150 Million over the past 21 years.

Mission Springs Water District Point of Contact
Terry Renner, P.E., Q.S.D. – Senior Vice President
Phone: (951) 680-0440
Email: trenner@tkeengineering.com

The Mission Springs Water District (MSWD/District) is constructing the Regional Water Reclamation Project which consists of a wastewater treatment plant, a wastewater conveyance line (gravity sewer and force main), and a wastewater collection system (gravity sewer and sceptic sewer); and is requesting qualifications from consultant teams for the construction management, inspection, materials testing, construction surveying, and grant management services. The comprehensive wastewater system improvements include a 1.5 million gallon per day (MGD) sequence batch reactor treatment plant, 4.5 miles of 8" to 36" VCP sewer, 1.9 miles of 12" PVC force main, 695 sewer laterals, and abatement of 405 septic tanks at an estimated cost of nearly $60 million. The proposed treatment plant includes a combined operations and administrative building and three effluent disposal ponds. Ultimately, the treatment plant will be expanded to over 20 MGD and include water reclamation for groundwater recharge.

The TKE team has an extensive, 15 year history with MSWD. Our experience with the District, City of Desert Hot Springs, County of Riverside, State Water Resource Control Board (Water Board), Regional Water Quality Control Board (RWQCB), local requirements, MSWD and County Standards, grant funding sources and the local community provide MSWD a Construction Team with an unmatched project understanding.

Our 21 year history serving municipal agencies with a variety of engineering services including construction management, inspection, grant management, and surveying for wastewater systems, water systems, recycled water systems, water resource management, storm drain systems, storm water, urban runoff management and water quality programs, floodplain management, street widening, bike lanes, roundabouts, traffic signals, parking lots, parks, and public facilities.

TKE and our team continue to provide numerous municipalities and agencies with construction management, inspection services, materials testing and staffing for every facet of engineering and public works 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.

a) PROJECT UNDERSTANDING

The Regional Water Reclamation Project consists of three State Revolving Fund (SRF) grant funded critical wastewater infrastructure components, the Regional Water Reclamation Facility, the Regional Conveyance Trunk Sewer, and the Area M2 Collection System. The District's success with its Groundwater Quality Protection Program has driven the need for additional wastewater treatment capacity. Building on that success, the Area M2 Collection System will abate 405 on-site septic disposal systems that degrade groundwater quality. The wastewater from Area M2 will flow to the existing Dos Palmas Lift Station. The Dos Palmas Lift Station currently pumps wastewater to the existing Horton Wastewater Treatment Plant. However, the proposed Project will modify the Dos Palmas Lift Station and send flows to the new Regional Water Reclamation Facility. This will be achieved through the construction of the Regional Conveyance Trunk

Sewer. More specifically, the Regional Conveyance Trunk Sewer consists of a new force main from the Dos Palmas Lift Station westerly along Dillon Road, to Little Morongo Road. At Little Morongo Road, the wastewater will gravity flow through a truck sewer southerly to the new treatment plant located on a 60 acre site on the East side of Little Morongo Road, North of 20th Street. The Regional Water Reclamation Facility will treat up to 1.5 MGD through a sequence batch reactor process. The Regional Water Reclamation Facility consists of an influent pump station, bare screens, grit removal chamber, four reactor tanks, three effluent disposal ponds, aerated sludge storage, and a belt filter press.

The timing of the three components is critical to the Project's success. The existing Horton Wastewater Treatment Plant is nearing capacity and cannot accept additional flows from the proposed Area M2 Collection System. Additionally, the proposed Regional Water Reclamation Facility needs wastewater flows to begin operations. With the longer construction duration, Regional Water Reclamation Facility will begin construction first. Thereafter, the District intends to begin construction of the Regional Conveyance Trunk Sewer within 6-months and the Area M2 Collection System within 12-months. These staggered start dates will aid in timing the wastewater treatment plant start up and operation with the conveyance line needed to serve it; and delaying additional wastewater flows from Area M2 to ensure the new wastewater treatment plant is operational at the time of connection. The District needs the right partner to ensure the successful timing and completion the Project.

The District, serving primarily disadvantaged communities, is seeking a combination of grant and loan funding for the project. The District's ability to secure grants and low interest loan significantly reduces the rate burden placed on the DAC residents served. TKE's Team has been actively involved in helping the District secure supplemental funding through the State Water Resource Control Board's Clean Water State Revolving Fund Program (Clean Water SRF). Under the Clean Water SRF, the District is slated to receive $8 million in grant from the Small Community Wastewater Program and an additional $8 million in grant from the Groundwater Grant Program. Finally, the District is slated to receive a low interest rate (0.9%) on the loan portion. Through grants alone, TKE was able to help the District offset approximately 25% of the total project cost with grants. It's these continued efforts to offset costs to rate payers that the District's residents appreciate; and they have shown their support in passing assessment district funding to help in sharing the cost for the Groundwater Quality Protection Program (GQPP). More specifically, the residents approved Assessment District 15 funding in 2017 to cover 50% of the GQPP Area M2 Collection System costs. In total, over 1/3 of the project cost is covered by supplemental funding, with the remaining 2/3 coming from a low interest loan.

The District is requesting qualified consultants to partner with to provide general project management and administration, constructability review, bid support, assistance with public outreach, quality control, specialty inspections, general public works inspections, structural inspections, other inspection activities, testing of construction materials, construction surveys and staking, foundation or footing investigations, measurements, computations and tracking of quantities, shop drawing and submittal review, review and responses to RFI's, review of change order requests and provide recommendations for approval or rejection to the District, administration of environmental mitigation and monitoring, ensuring compliance with regulatory permitting, coordination with the Water Board and RWQCB, coordination with the City and County, utility relocation coordination, preparation of estimates and reports, grant funding administration, and all other work necessary to deliver the improvements.

b) PROJECT APPROACH

One thing that differentiates our firm is that we approach our mission with a belief that understanding and meeting the needs of the community is vital to completion of a successful project. This approach, instilled by TKE's management team and personified by TKE's staff, ensures that our clients receive highly personal service on each and every project. As a result of the focus of the firm on our mission, we have earned a reputation for thoroughness, rapid turnaround, cost efficiency and overall outstanding quality of work. At TKE, we are committed to creating value and taking ownership 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.

In relation to this project, understanding involves not just reading the plans and specifications but utilizing and building positive working relationships first with the District, City, County, with the design team, followed by the permitting/utility agencies and finally with the contractor. These relationships coupled with a deep understanding of the design intent and contractor capabilities will form the bedrock of a successful project approach. Each team member is personally committed to this project and seeing it through to a successful completion. Success is measured not only by meeting the plan requirements, schedule, and budget but also by working to ensure delivery of a system which meets all of the functional requirements and goals.

With Mission Springs Water District as the client, TKE team's focus will be on strengthening and maintaining a good client relationship and fulfilling the role outlined in the RFQ. As a dedicated and focused member of the project team, attention to detail, organization, efficient workflow and good communication are of paramount importance and will be critical to ensuring successful completion of this project.

Our teams construction management and inspection experience and regimented tactics for mitigating construction change orders, along with TKE's experience with the District, City of Desert Hot Springs, County of Riverside, Water Board, RWQCB, District Standards, grant funding sources and the local community provide the District a construction team with an unmatched project understanding. Our knowledge of the Project issues ensures the District that TKE's Team will deliver the project efficiently on budget and effectively on schedule. In our review of the Project, we have identified the following critical issues for the Project that define our approach to a successful project delivery:

SRF/ GRANT COMPLIANCE

TKE will verify that all construction activities, records management and processing are completed in accordance with project and funding agency requirements including State Water Board State Revolving Loan Fund, Small Community Wastewater Program, and Groundwater Grant Program requirements. TKE is already working closely with the State Water Board on this Project and other projects, making us very familiar with funding requirements ensuring that the District's projects will be delivered efficiently.

The District has assembled various funding sources for construction of the Project that include local funds, assessment district funding, SRF loan, and grants. Each funding source has its own funding invoicing and documenting requirements. In addition, the overall project costs will require the District to carefully manage cashflow to ensure that expenditures do not exceed District reserves. TKE's fund management history will assist the District with identification of cash flow projections and requirements throughout the project duration. We will also assist the District as needed to expedite reimbursement requests to other funding agencies minimizing the cash flow burden that can be placed on the District for a project of this size.

The District desires to retain a consultant team that will ensure this important project is delivered on schedule and within budget with the least impacts to the public. Our team's history with the project, affected agencies/utilities, and grant funding administration will ensure the successful completion of this important project.

MITIGATION REQUIREMENTS

TKE has implemented mitigation, monitoring, and reporting programs (MMRP) for all types of capital improvement projects. While an often overlooked document, the MMRP an important component to the Project's success. More specifically, it's critical that all pre-construction activities are completed on time to ensure no project delays. For example, a desert tortoise survey is required prior to ground disturbing activities. If desert tortoise are found, they will require special relocation by a certified biologist. If this and other pre-construction activities aren't completed on time, they will not only impact the construction schedule, they would potentially cost the District thousands of dollars in construction delays. In addition, the MMRP also identifies additional approvals that may be required through the US Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), and RWQCB. If required, these permits must be completed prior to construction. These are discussed in greater detail below under permit compliance.

PERMIT COMPLIANCE

TKE has prepared numerous permit applications and managed permit compliance for agencies such as RWQCB, Caltrans, County of Riverside, South Coast Air Quality Management District, USACE, CDWF, BNSF, UPRR, SCRRA, local cities and other regulatory agencies. In addition, TKE has developed logs and other spreadsheet systems developed for project tracking and permit compliance. The District has already received their waste discharge requirements permit from the RWQCB; it's critical that said permit requirements are met leading up to plant operation.

The TKE Team will perform an evaluation on the applicability of the USACE Section 404 Nationwide Permit, CDFW Streambed Alteration Agreement (LSAA or "1600 permit"), and RWQCB Section 401 Water Quality Certification (WQC). These permits may be required depending on the magnitude of the Project's impacts to jurisdictional Waters of the U.S. Ideally, modifications to the proposed project may eliminate these permit requirements, or substantially reduce the complexity of the permit approvals. TKE's Team will bring their experience to efficiently navigate these permit requirements.

UTILITY LOCATION / POTHOLING

For pipeline projects, construction contract change orders are primarily attributable to inaccurate plotting of utility interferences or due to unknown utilities. Comprehensive utility research together with potholing of all interferences prior to construction by the project contractor will ensure that contract change orders will be significantly reduced or even eliminated. It is anticipated that numerous underground utilities will be encountered in street intersections that are located throughout the project. For larger existing facilities and project connections, TKE will identify those as critical and request that the contractor excavate them to verify both horizontal and vertical alignments. In addition, we will request that at connection points, the existing pipeline material and condition be noted to ensure efficient connection.

COST CONTROL

TKE has averaged 0.7% cost increase for our past construction projects

PROJECT SEQUENCING

To ensure that construction will not be delayed due to one component falling behind schedule and to ensure extra work claims do not occur, construction sequencing will be provided. Sequencing will include the order in which the new Regional Conveyance Trunk Sewer is completed in relation to the Regional Water Reclamation Facility. If completed early, the contractor will need to remobilize to complete the connections when the treatment plant is ready. If construction is delayed, the Regional Water Reclamation Facility will be sitting idle waiting for wastewater flows to begin operations. Finally, with the existing Horton Wastewater Treatment Plant nearing capacity, the Area M2 Collection System cannot be completed ahead of the Regional Water Reclamation Facility and Regional Conveyance Trunk Sewer. The additional flows generated by the Area M2 Collection System would exceed the existing plants capacity.

In addition, the construction sequencing will include testing and startup procedures and the initial system connection. The existing Dos Palmas force main that will ultimately be abandoned must remain in service until the proposed force main and truck sewer are tested, connected to the proposed treatment plant. The abandonment of the existing force main pipeline will occur thereafter concurrently with subsequent pipeline connection construction.

DISPUTE RESOLUTION

TKE's construction manager has 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 manager prides himself on his thorough research and review of the project plans and specifications and his existing knowledge and understanding of Caltrans, Greenbook and other standard plans and specifications. His effective communications skills ensure that all stakeholders are constantly advised of project progress and requirements. His 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. He is non-combative with all project stakeholders, maintaining professional working relationships with each stakeholder regardless of conflict. His perseverance and vast knowledge and experience of issues will resolve challenges while protecting MSWD's interests.

PUBLIC RELATIONS

TKE's Construction Manager and Inspectors are experienced with public relations associated with construction projects. TKE performs initial site visits to all potentially affected properties to discuss the upcoming project and any potential concerns the property owner and/or tenant may have. TKE identifies improvements that will benefit the property owners to help them understand the importance of project construction. Our approach builds a project coalition with the property owners and tenants which reduces public complaints at District Board meetings and provides a sense of ownership with the project. TKE's Inspector also perform routine visits during construction to check on the property owners concerns and to see if there are any issues that need to be mitigated.

TRAFFIC CONTROL

Traffic impacts created by construction of the sewer lines must be mitigated to the maximum extent practicable. Access to resident's property must be maintained at all times. During construction, traffic control, property assessment, utility and mail services and emergency vehicle access needs to be maintained. Traffic control design needs to be prepared to ensure safe and convenient vehicular and pedestrian mobility during construction operations. We have extensive

experience in construction traffic control plan preparation and we are intimately familiar with the WATCH, Caltrans, and MUTCD requirements.

DRAINAGE SYSTEMS

There are two majors drainage crossings along the roadway, all within the City's jurisdiction. Our teams experience will ensure that drainage is accommodated throughout the course of construction and all work is maintained within acquired right-of-way while maintaining two lanes of traffic. Our project team has recent experience with design and construction of the same types of facilities with other agencies.

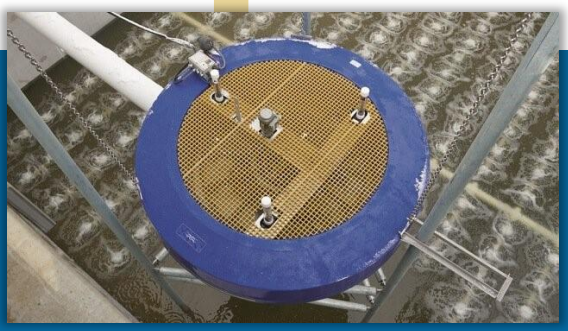
QUALITY ASSURANCE/QUALITY CONTROL

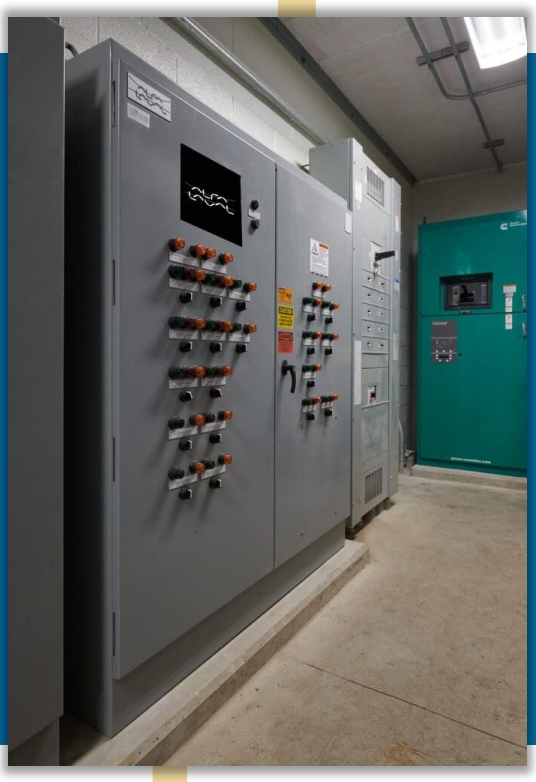
TKE takes pride in our reputation for thoroughness, rapid turnaround, cost efficiency and overall quality of work, and believes that a high level of quality is needed on all aspects of construction projects. High quality review and inspection yields the following tangible results:

- Ease of oversight
- Smoother processing
- 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 management and inspection process. This program requires not only formal procedures for inspection, but encourages the conscientious effort of experienced people to always "create quality" in every task performed. All of our management and inspection personnel are trained to identify potential construction issues before the occur, thereby saving time and money on potential costly change orders.

This Quality Assurance/Quality Control program is in place to ensure that project construction will exceed the District's standards and that we will deliver the project on schedule and within budget.





c) SUBCONSULTANT TEAM

Anser Advisory, LLC	Address: 73-710 Fred Waring Dr #102 Palm Desert, CA 92260 Phone: (805)459.7697	*Resident Engineer, Assistant Resident Engineer, Schedule Controller, and Inspection Services*
Geocon	Address: 78-075 Main Street, #G-203, La Quinta, CA 92253 Phone: (760)565.2002	*Materials Testing / Special Inspection*
UltraSystems Environmental Inc.	Address: 16431 Scientific Way, Irvine, CA 92618 Phone: (949)788.4900	*Environmental Engineering*

ANSER ADVISORY | ANSER ADVISORY LLC

Anser Advisory Management, LLC, dba Anser Advisory (Anser) is a national program and construction management consulting firm offering a wide range of advisory services to public and private sector organizations. Anser's services begin with early phase strategic organizational and program planning and continue through managing the tactical execution of each project or initiative. They operate nationally, with a diverse, talented staff of over 400 professionals, however leverage our local offices to support Southern California clients, including offices located in Palm Desert, Santa Ana, El Segundo, and San Diego, possessing over 160 employees including construction managers, inspectors, schedulers, architects, engineers, estimators, management consultants, financial analysts, procurement specialists, system configuration specialists, and construction auditors.

Anser, is a leader in the water and wastewater industry, with many years of experience and dozens of projects under their belt. From managing the construction of wastewater treatment plants to overseeing the creation of the country's largest lined aboveground reservoir, they have the experience and knowledge to offer the right solutions.

Anser's water and wastewater professionals have managed over $5 billion in projects nationwide, many with repeat clients. At the heart of their company are their people and they form longterm relationships with their clients, delivering project success through a wide range of program management, construction management, construction inspection, and other related consulting services.

Summary of Previous Partnership with TKE Engineering, Inc.

TKE is currently teaming with Anser Advisory LLC on the Construction Management and Inspection for the traffic signal synchronization project, CV Sync, for the Coachella Valley Association of Governments. The project consists of upgrading the local agencies existing legacy traffic signal controllers, traffic management systems, and communication systems with the latest off-the-shelf technologies in order to provide inter-agency traffic signal synchronization along three regional roadways including Highway 111, Ramon Road and Washington Street. The project improvements include advanced traffic management systems (ATMS), advanced transportation controllers (ATC), selected Intelligent Transportation System (ITS) elements, ITS sub-systems, and Ethernet/IP-based communications that will be expandable and scalable for future integration of ITS technologies and strategies, such as Integrated Corridor Management (ICM), Smart Cities, and Connected and Autonomous Vehicles. This project will also include a Regional Traffic Management

Center (RTMC) and local Traffic Operation Centers (TOC) that will have the capability to monitor, control of connected traffic signals, and be used as a monitoring tool for research and analysis to help determine regional system enhancements, operations, and maintenance.

GEOCON WEST, INC.

Geocon is a California corporation that was established in 1971. They are a professional engineering consulting firm providing comprehensive geotechnical, geologic, construction inspection, and environmental engineering and consulting services. In addition to these services, they operate in-house soils and materials testing laboratories and provide environmental remediation contracting (cleanup) services.

Geocon is successful in working with and for regulatory agencies, including in the Coachella Valley. They have accumulated extensive experience working on projects of all sizes which have been subject to multiple municipal regulations and permitting requirements. Geocon understands construction practices, engineering standards, and a broad spectrum of city, county, and state agency requirements. They are also familiar with the regulatory, technical, and economic requirements of permitting processes at the local, regional, state, and federal levels, and are well acquainted with local regulators. Geocon has provided the requested services for the following similar projects including theHyperion Water Reclamation Plant in Los Angeles, the Waste Treatment Plant Facility in Canoga Park, and the Conestoga Regional Infrastructure Improvements, Riverside County, California

Summary of Previous Partnership with TKE Engineering, Inc.

TKE has worked with Geocon personnel on numerous capital improvement projects including wastewater, water, and storm drain system improvements, street and roadway improvements, and earthwork operations. Our field teams have successfully coordinated geotechnical analysis, construction inspections, and materials testing for several years. It's that successful history of coordinating and completing the required project testing and analysis services to ensure projects are delivered on time and on budget.

ULTRASYSTEMS ENVIRONMENTAL, INC.

UltraSystems is a full-service planning and environmental consulting firm that serves public and private sector clients throughout California. Founded in 1994, UltraSystems has been in business for over 26 years. The firm is a privately held (California S Corporation), small and woman-owned business, and disadvantaged business enterprise (DBE).

UltraSystems has provided similar environmental consulting services to public agencies for projects throughout California. UltraSystems has prepared over 7,000 environmental reports and technical studies for their clients. The UltraSystems project team of 42 individuals includes seasoned professionals that have substantial resource depth (many of whom have over 30 years of CEQA experience). Their project team will be led by experienced Senior-level staff with proven experience managing environmental projects.

Summary of Previous Partnership with TKE Engineering, Inc.

TKE has worked with Ultrasystems Environmental Inc. on numerous capital improvements projects with various clients throughout southern California. Currently, TKE is teaming with Ultrasystems on the Construction Management and Inspection for a street and bridge improvement project, Boulder Avenue Improvements, for the City of Highland. The

project consists of pavement rehabilitation and walkability improvements along Boulder Avenue from Greenspot Road to Highland Avenue. The project improvements include AC removals and replacement, slurry sealing, landscaped medians, sidewalks and walking trails, traffic signal modifications, landscaping, lighting, signing and striping. The project also includes sensitive species that required pre-project surveys and monitoring, and sensitive habitat areas that require special care during construction.

SECTION 3: SCOPE OF SERVICES

a) WORK PLAN

1.0 BID ADMINISTRATION

TKE is currently assisting the District with project management and bid administration of the RWRF. In addition, the TKE Team will assist the District as required with a number of activities including constructability review, advertising, distributing contract documents to perspective bidders, conducting a pre-bid "job walk," responding to bidder RFI's, preparing and distributing addenda, and coordinating the bid opening, reviewing bid proposals, reviewing contractor qualifications and references and providing recommendations as required to get a contractor under contract for the two remaining project components and begin construction.

DELIVERABLES: The deliverables for the bid administration will include agenda, meeting minutes, RFI log, bid review summary, and responses to contractors.

1.1 CONSTRUCTION EVALUATION AND TECHNICAL EVALUATION OF SCHEDULING

The TKE Team has extensive experience in creating and evaluating technical Critical Path Method (CPM) schedules that maintain a realistic timetable for inspection, coordination, construction management, field planning, and to reflect an accurate accounting of completion percentages. The evaluation of the schedule will consist of comparing historical technical installation time frames, best practices, manufacturer recommendations, and project scheduling requirements against the submitted material. The review of this will take into considerations input from Subject Matter Experts (SME), stakeholders, project plans/ specifications, the risk register, and the submitted schedule.

The main reason for the evaluation of the schedule is to ensure that resources, equipment, materials, and staff (personnel, contractors, and inspectors) are available when needed. With three large projects proposed, the availability of personnel, alternate priorities, multiple levels of approval, unfamiliarity with the project, internal/external politics, and numerous other factors can impact the project scheduling. The TKE Team has the experience to oversee technical coordination and scheduling between the projects to resolve any overlapping and fragmented procedures associated with assigning similar related functions to multiple personnel or contractors.

The technical schedule recommendations will be aimed at improving coordination, reduce deployment times, track schedule deviations, and address elements in the risk register that might impact the critical path.

DELIVERABLES: The deliverables for scheduling will include a commissioning schedule, construction staging, planned construction activities, deliverable dates, percent completed, and other items as directed.

1.2 CONSTRUCTION TECHNICAL REVIEW AND CONSTRUCTABILITY REVIEW

The TKE Team has access to a deep bench of highly specialized construction experts to conduct the constructability review. In addition to having the experience to perform the constructability review, key staff members worked as designers, project and construction managers and resident engineers, and are aware of standards-based best practices and requirements for construction and phasing of a comprehensive wastewater improvement project. With this knowledge and expertise, the constructability review will be infused with standards-based and regional construction knowledge.

The main purpose of the constructability review is to verify plan, specification, and quantity accuracy, determine required sequencing, identify potential deficiencies, determine the inherent savings in best practices, apply lessons learned, reduce idle time, or address other aspects not easily measurable. The approach to the constructability review is to evaluate the plans and specification in the order that the system will be built to determine any anomalies. When conducting the walk through for construction, potential issues or missing information will become evident. Though the process is time consuming and extensive it will identify issues prior to construction and reduce the number of change orders.

The constructability review recommendations will be directed at identifying any weaknesses in the construction process, at interface points between processes/systems, lead times for equipment, availability of personnel, and realistic installation time frames. The accuracy and quality of the constructability review is dependent on the amount of time and level of detailed authorized by the District.

DELIVERABLES: The deliverables for the constructability review will include an identification of best business practices, recommendations on staging, input on planned construction activities, estimated deliverable dates, and other items as directed.

1.3 CONSTRUCTION PROJECT ADVERTISING, BID ANALYSIS, AND AWARD

1.3.1 CONSTRUCTION PROJECT ADVERTISING

The TKE Team will assist with project advertising as needed to receive bids from experienced contractors for the project. Notwithstanding our most recent experience aiding in the bidding of the RWRF, we will assist with advertising the remaining project components in accordance with District and funding requirements which typically includes within a local newspaper, on online bid forums and on the District's website. Our team also has experience with multiple contractors from previously performed projects of which we will notify about the bidding opportunity. We will provide the Notice of Inviting Bid language to all appropriate agencies to advertise the project. We will coordinate and distribute plans and specifications to all interested contractors, including posting to online bid forums.

The TKE team will facilitate the bid process in accordance with the District requirements. This includes suggesting timing for the bid process and assisting the District in ensuring that all plans and specifications are available to bidders to ensure a proper bid process is followed. Proper procedures will be followed to ensure that there is no improper communication with bidders. Although design intent and requirements should be clear from the plans, specifications and estimates, large projects necessarily involve some amount of additional complexity.

DELIVERABLES: The deliverables for the advertising will include proof of publications, lists of advertising agencies, and lists of contractors contacted.

1.3.2 CONSTRUCTION BID ANALYSIS

After the bids are received, the TKE Team will review all bids to verify that they have been submitted in accordance with project requirements, and that the lowest responsive bidder's contractor license is in good standing, verify bidder's sureties and verify that the bidder is qualified to complete the work by discussions with listed experience; including an in-depth bid analysis based on technical installation experience, bid comparison, cost estimates based on time to complete a task, and the current labor and overhead rates for the area. Additional analysis will be conducted to review the baseline cost by using the mean cost by discipline or by bidder for the project based on available information. After the lowest responsive bidder is identified, TKE will prepare a staff recommendation letter for award.

DELIVERABLES: The deliverables for the bid analysis will include a detailed bid summary of each bidder for each project component, recommendation letters, and supporting documents.

1.3.3 AWARD

During the award process, the TKE Team will be available to present findings and recommendations for award to all required District Staff, funding agencies, and District's Board of Directors as necessary to facilitate project award. Once the Board approves award, TKE will conform the contracts and deliver them for execution by the lowest responsive bidder. After they execute the contract, TKE will assist the District with execution.

DELIVERABLES: The deliverables for the bid award will include staff reports, presentation materials (if required), and executed contracts.

2.0 AGILE CONSTRUCTION MANAGEMENT

The recommended agile project management approach is the use of the SCRUM process to create a cross-functional team that collaborates to achieve the District's goals within a specific time. The SCRUM process will provide a high level of focus and flexibility to the project.

The SCRUM process recognizes that during a project, a Project Champion (Construction Manager), Resident Engineer, the District Stakeholders, and Subject Matter Expert (SME) may direct changes or experience unexpected issues during the inspection and construction process. The purpose of the SCRUM groups is to ensure that the Construction Manager, Stakeholders, SMEs, Contractors, and Inspectors have input into the inspection process. The SCRUM process uses a

daily 15-minute meeting to describe what was completed the previous day, what will be completed today, and what impediments distract from the completion of work. Upon notification, it is the responsibility of the Resident Engineer to address any impediments, issues, and distractions that keep the Contractor from completing their work (see figure below).

FIGURE 1 – SCRUM PROCESS

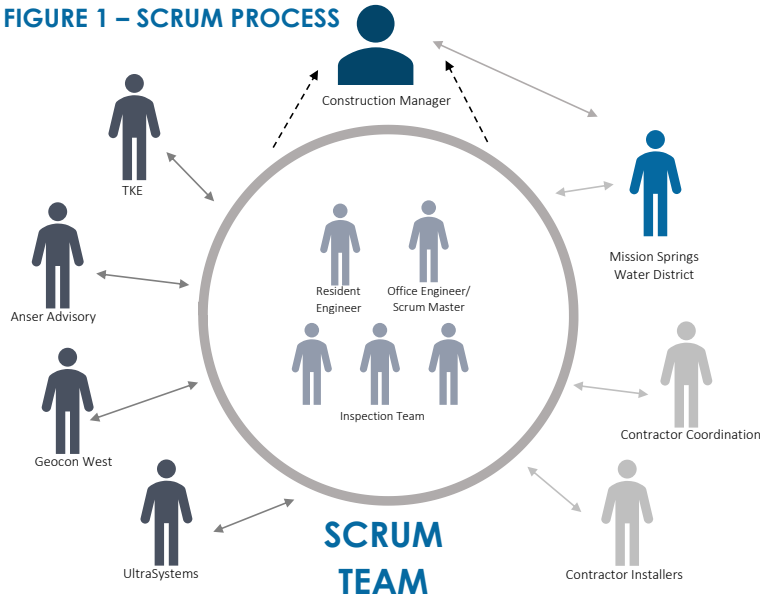
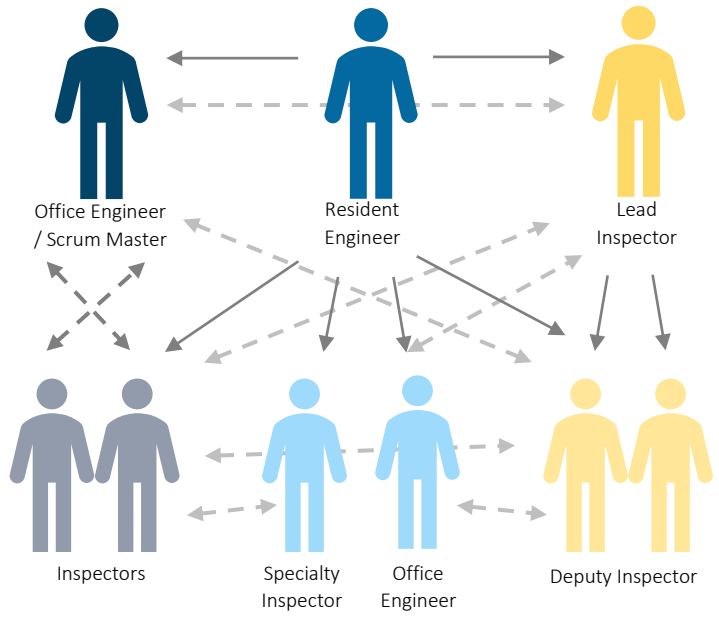


FIGURE 2 – INSPECTION TEAM COMMUNICATIONS



The SCRUM Master / Office Engineer strictly monitors the tasks for completion. Each task or story is further broken down into smaller tasks or product backlog items (PBI) that can be completed in a two-week sprint. The SCRUM groups process can allow small, minor, and major system changes by including the SCRUM groups into defining a solution. A two-week sprint would allow an opportunity to identify changes within a two-week time frame and possibly begin to implement major project changes in as little as three to four weeks.

NOTE: Though we provide information and receive information from the District stakeholders, only the District can set priorities, authorize changes, or direct modifications to the Scope or the inspection process. The gray lines indicate an informational relationship and black lines indicate a reporting relationship.

2.1 CONSTRUCTION MANAGEMENT

The construction manager's main responsibilities are to facilitate the completion of a successful project and minimize any potential delays or additional costs to the project during construction. The construction manager is responsible for maintaining the projects workflow and ensuring all shareholders are informed of project progress, at all times. As a representative of the District, the construction manager will maintain constant communication with all parties to ensure the project stays on schedule. This includes coordination with submittals, request for information, daily project progress, weekly progress review meetings, coordination with project team, Contractor and District, funding administration, payment requests, change orders, integration, and commissioning.

DELIVERABLES: The deliverables for construction management are discussed in more detail in the flowing sub-tasks.

2.1.1 PRECONSTRUCTION MEETING

A preconstruction conference will be held for each of the three project components. The conferences will be attended by District staff, TKE's Construction Manager, Resident Engineer, and Construction Inspector, the Contractor, representatives of potentially affected utilities and representatives of any other affected agencies. Prior to each conference, we will prepare a conference agenda. At each meeting, we will discuss communication protocol requirements, safety and health procedures, storm water controls, dust controls, schedule requirements, procedures for contract submittals, contract administration, job-site access and delivery, and coordination with others. After each meeting, it will be documented with minutes.

DELIVERABLES: The deliverables for preconstruction meetings will include agendas, minutes, and attendance records.

2.1.2 RECORDS MANAGEMENT

The TKE Team utilizes an electronic records management system. Files include:

- Contract Documents, Addenda, and Reports
- All required local, other agencies and state records throughout the project duration and submit copies to the District's project manager, including labor compliance.
- Environmental Compliance Documents/ Agency Permits
- Material Submittals
- Contractor Correspondence (RFI's and RFC's)
- District Correspondence (Responses to RFI's and RFC's and other correspondence)
- Certified Payroll Records
- Change Orders
- Weekly Statement of Working Days
- Resident Engineers Report
- Project Schedule
- Dispute Resolution Outline
- Progress Payments
- Materials Testing Reports/Correspondence
- Labor Compliance Interviews
- Surveying Records
- Inspection Field Reports/ Accident Reports
- Photo Logs
- Utility/Agency Correspondence
- Public Correspondence
- Operations and Maintenance Manuals
- Project Closeout Records

2.1.3 MATERIAL SUBMITTAL REVIEW

The TKE Team will develop a list of all required material submittals and compare the list to the Contractors submittals. We will review all project submittals including traffic control plans. Each submittal shall be reviewed with District staff and design engineer as required to verify compliance. We will maintain a project log for each project and it will include descriptions of submittals, submittal status, date received, and date returned. Once the submittals have been reviewed and accepted, they will be signed, dated, and sent to the Construction Inspector, District staff, respective project Contractor and the file. Submittals will be returned within the time frame specified by the Contract Documents but not longer than two weeks.

In addition to submittals, the TKE Team will review all vendor and lab reports and certifications and material test inspections and correlate all reports with respect to the plans and specifications. We will provide a log for reports and certifications and notify the District upon any irregularities.

DELIVERABLES: The submittal related deliverables will include submittal logs, approved submittals, materials testing log and reports.

2.1.4 CONSTRUCTION MEETINGS

TKE will be in constant communication with District staff during the projects entirety to ensure that each project component is running smoothly and in accordance with the District's expectations. TKE will hold regular meetings with District staff, Contractor(s), Inspectors, meetings with utilities/agencies, and affected agencies. Each is discussed below:

DISTRICT MEETINGS - TKE will meet with District staff as required to keep staff fully apprised as to construction progress and potential project issues. We will prepare agendas and minutes for each meeting.

CONTRACTOR MEETINGS - Our Construction Manager and Resident Engineer will meet with the project contractor(s) weekly. We will prepare agendas and minutes for each meeting. Meeting agenda will typically include background, old business, new business, scope, objectives, traffic control, construction phasing, project schedule, potential issues discussion, payment quantities discussion, and any safety deficiencies observed.

UTILITIES/AGENCY MEETINGS - As mentioned above, TKE will invite utilities and agencies to the preconstruction conference. During that meeting, all potential project impacts will be discussed with each. During construction, should issues develop needing further discussions with utilities/agencies, TKE will meet with each and develop remediation strategies. Again, all meetings will be documented with minutes.

PUBLIC MEETINGS - If required, TKE will coordinate with the District for public meetings to advise the public of pending construction and its impacts. Discussion may include alternative routes to be used to avoid delays and the project schedule. In addition, TKE will attend District Board meeting as needed to provide an update on project status.

DELIVERABLES: The construction meeting related deliverables will include agendas, minutes, supporting meeting exhibits, figures, etc. and presentations

2.1.5 CONSTRUCTION MANAGEMENT

The TKE Team is uniquely suited to respond to challenges that may occur during construction. Our first review of the project is during our QA/QC analysis. Our consistent communications with the construction inspector will also provide immediate remediation alternative development.

TKE's Team will review the project schedule and construction progress prior to each Contractor meeting to verify compliance with the Contract Documents. In addition, we will prepare weekly statement of working days to be provided to the contractor at each weekly meeting. If the Contractor is failing to meet approved schedule contract obligations, the TKE Team will request a remediation effort to return the project progress to comply with requirements. If the remediation plan requires adjustment to the completion date, TKE will advise the District and will not execute any approval of such change without District authorization.

Change conditions and time extensions that may warrant a change order will require a complete understanding of the impacts of the change of which TKE will need to consider in determining its resolution. The TKE Team will seek appropriate comments from anyone impacted by the changed conditions and will closely consult with the District to develop the most cost-effective remediation alternative. Cost and scheduling impacts will be noted and presented to the District in accordance with the District's change order procedures prior to direction being given to the Contractor, including the preparation of Change Order drawings and specifications, if required.

To maintain cost controls, TKE's Team will review project budgets on a weekly basis, or as warranted, by review of change orders, RFC's, and progress payments. In particular, quantities used on the project will be tracked to verify that they will not exceed contract budgeted amounts. Each month TKE will provide a budget report to the District. Should an increase in budget be required, TKE will assist District staff with staff report preparation.

In addition, the District will receive RFI's and RFC's (including written clarification requests and change-in-plan drawings) regarding the contract documents. TKE's Team will provide any drawings, sketches and written responses in a timely manner to each with direction and will verify compliance with the Contract Documents. All RFI's and RFC's will be logged, including content of inquiry, date relayed and date of response.

Regarding RFC's, we will review any change order request received to determine if said request is warranted. If the change order request is not warranted, we will reject it in writing; prior to sending rejection letters to the Contractor, we will review it with District staff. If the change order request appears justified, we will review it with the Construction Inspector and compare it with field reports for confirmation of materials, equipment and/or labor involved; we will review same with District staff and receive District staff's approval prior to preparing and processing the contract change order. Change orders will be prepared on the District's standard forms.

Should rejected RFC's require additional consideration, we will negotiate with contractors to establish the impact of change conditions and we will attempt to complete negotiations prior to beginning work. If we fail to reach an agreement and the work must continue, we will direct the Contractor to complete the work. For all disputed work and force account work, the Construction Inspector will document the labor, materials and equipment used for the extra work for use in future negotiations.

Upon direction from the District, TKE will continue negotiating with Contractors to settle all disputes; however, District staff will ultimately determine the extent the District will go to achieve resolution. TKE will meet with both parties, either independently or together, as warranted until resolution is reached. TKE will complete all necessary calculations to support the District's position. TKE utilizes a proactive dispute avoidance program. Once an issue is identified, TKE works diligently to resolve it as timely as possible. The weekly meetings will also be used to avoid or resolve these disputes.

DELIVERABLES The construction management related deliverables will include change order log, approved change orders, RFI and RFC log, responses to RFIs/RFCs, and project schedules.

2.1.6 PAY REQUESTS

Each month, TKE's Team will review the construction payment requests submitted by the contractors for work completed and the construction schedule. We will review the work completed and payment requests to ensure that the quantities and amounts requested reflect the actual work completed. After each request has been reviewed (and revised if necessary), we will approve it and forward it to District staff for approval and payment along with a written statement of completed review. We will also submit a monthly status report with each payment request that will advise the District of compliance with the project schedule.

TKE will track and log any Preliminary and Stop Notices prior to each month's progress payment. If any stop notices have been issued, we will direct the Contractor to rectify the notice and provide proof of the rectification prior to release of payment.

DELIVERABLES: TKE Team's related deliverables to pay requests include monthly reports highlighting project progress, change orders, cost issues, and schedules.

2.1.7 LABOR COMPLIANCE

Over the course of construction, the TKE Team will perform labor compliance interviews and verification of labor compliance for the project with each payment request submitted. In addition, TKE will review certified payroll reports and ensure DBE utilization in compliance with state and federal requirements. Should deficiencies be noted, corrective action will be requested from the contractors prior to payment release.

DELIVERABLES: The deliverables for labor compliance will include labor compliance reports, certified payroll reports, BDE utilization summary reports, and corrective action correspondences.

2.1.8 AGENCY COORDINATION

TKE's Construction Manager will review permitting and coordinate with appropriate District, County, City, and utility agencies affected by the work (e.g., RWQCB, AQMD, SCE, etc.). We will coordinate project schedules and work progress affecting each of the projects with each appropriate agency. If appropriate, the construction manager will invite affected agencies to attend the weekly progress meetings to review the project schedule, summarize project requirements and discuss them at these weekly meetings.

DELIVERABLES: The deliverables for agency coordination will include correspondence, agendas, and minutes.

2.1.9 BILLING AND PROJECT REPORTS

The TKE Team will provide monthly project reporting identifying current activities, future activities, potential change items, concerns, problems and possible delays, percentage of completion and budget status for construction and consultants. TKE will provide monthly billing to the District for consultant work performed during the previous month. All invoices will follow District format and include a break down by task and fee. TKE will also prepare reimbursement requests to State Water Board in accordance with the approved funding agreement.

DELIVERABLES: The billing deliverables will include project reports, invoices and billing statements, and SRF/grant reimbursement requests.

2.2 CONSTRUCTION OVERSIGHT AND INSPECTION

Adequate construction inspection and oversight is a key component to a successful project. The TKE Team is comprised of industry leading managers and inspectors with extensive technical knowledge of the project requirements related to physical construction, integration and commissioning of the project.

2.2.1 CONSTRUCTION OVERSIGHT

TKE's Team will provide daily construction inspection and reporting, to verify that the project is progressing in compliance with the contract documents. Inspections will include oversight of daily traffic control and safety, dust control, SWPPP compliance, earthwork, forming and pouring of reinforced concrete structures, mechanical piping and equipment installations, sewer and force main installations, as well as physical construction of disposal ponds, site access roads, fencing, and lift station piping modifications. We will require strict compliance with the contract documents for all construction activities and for any equipment or materials to be furnished and installed. We already possess the measuring devices and testing equipment normally required for inspecting construction projects. Our construction inspection personnel are experienced and knowledgeable in the operation of said devices and equipment, as well as the associated safety equipment.

All materials will be reviewed against approved material submittals as they arrive on-site. Batch tickets or weigh certificates will be collected upon material arrival.

Our Lead Construction Inspector will verify SWPPP and safety provisions (i.e., PM-10) have been implemented at the start of each work day, at the construction sites. Any deviations will be documented. All system service interruptions, connections and abandonments will be coordinated with staff. In addition, he will coordinate and schedule materials testing and survey requirements with appropriate parties to ensure there is no delay to the project construction and to minimize costly down periods for anyone onsite.

We will digitally photograph and video the activities and maintain copies in the project files and our Construction Inspectors will prepare daily field reports, which will document all observed project activity, including location of the activity, number of workers present, construction equipment used, quantities, inspector present, weather conditions, and construction progress. All project documentation will be completed on standard forms. All documents will be submitted in hard copy and electronic copy formats.

Our Lead Construction Inspector will provide emergency contact information to allow for 24-hour accessibility. He will verify site safety conditions on a daily basis and, should conditions be unsafe, advise the contractor of corrective actions. If the contractor fails to remediate such condition, he will advise the District and request direction. Should an accident occur, we will notify the District and note all site conditions and photo document the accident location.

DELIVERABLES: The construction oversight deliverables will include daily inspection reports, photo logs, approved batch tickets, emergency contact lists, accident reports, and demands for compliance.

2.2.1.1 PHYSICAL INSPECTION APPROACH

The TKE Team will ensure the contractor provides safe and unrestricted access to the work for inspection. In addition, the cost of providing access should be included in the bid price. The TKE team contains several expert inspectors familiar with working in construction areas and with contractors. The Resident Engineer and inspectors will follow ordinary safety procedures, District requirements, Cal OSHA requirements, and other applicable manuals and standards. Inspections will occur regularly under the direction of the District and in coordination with the contractor to ensure adequate inspection of materials, workmanship, equipment, configuration and records. In addition, TKE Team personnel are familiar with CAMUTCD and other applicable safety requirements and will be monitoring safety requirements for work zones and traffic control. As specified in the RFQ, appropriate materials and geotechnical testing will occur through either a mobile or local lab as required. The TKE Team is prepared to provide a complete package of engineers and specialists required for construction of this project.

2.2.2 MATERIALS TESTING AND COMPACTION

Over the course of project construction, we will schedule and provide materials and compaction testing to minimize downtime and unnecessary idle costs. They will identify the locations and specified depths for all tests on structure foundations, earthen structures, trench bedding and backfill, roadway subgrade, aggregate base, asphalt concrete and grading in accordance with the District's Quality Assurance Plan. They will provide for initial sampling and acceptance testing on materials proposed for the project and continue sampling as required throughout the project in accordance with ASTM D2922, D1556 or D1557. Extraction and gradation tests will be performed in accordance with ASTM D2172. Testing will be conducted in a Caltrans Certified Laboratory and all technicians will be Caltrans Certified as well. A certification memorandum will be prepared and signed by a professional engineer identifying any non-complying materials used on the project.

DELIVERABLES: The materials testing deliverables will include compaction reports, materials testing reports, and related testing reports.

2.2.3 CONSTRUCTION SURVEYING SERVICES

TKE will provide construction staking services for the project. Construction staking will include site control to develop control and establishment of centerline monumentation and the establishment of temporary site control for staking operations including a level loop from the District's benchmarks around each project site to be utilized during construction. In addition, we will provide staking and grade sheets as necessary for all items required for construction including but not limited to, right-of-way identification, clearing and grubbing, rough grading, precise grading, pipeline alignments, manholes, vaults, appurtenances, laterals, on-site sewer cleanouts and septic tanks, reinforces concrete structures, building and equipment pads, ponds, access roads, entrances, and fencing.

TKE will tie out all existing monumentation prior to construction. After construction is complete, we will reset all lost survey monuments and prepare all required documentation.

DELIVERABLES: The surveying deliverables will include staking requests, staking and grade sheets, pre and post project monumentation records.

2.2.4 ENVIRONMENTAL MONITORING SERVICES

The TKE Team will provide required environmental monitoring and mitigation measures. Depending on the construction schedule we will be onsite to monitor for biological species defined in the construction and CEQA documents and inform District, Contractor and construction team of any biological or other environmental issues or sensitive areas and provide mitigation measures required. It is anticipated TKE's Team will provide burrowing owl, desert tortoise, and native bird surveys prior to project construction. If any sensitive species are found, TKE's Team will develop a mitigation and relocation plans as required. In addition, TKE's Team is familiar with sensitive cultural resources and accommodating a cultural resource monitor during earth moving activities.

Additionally, the Team will perform an evaluation on the applicability of the USACE Section 404 Nationwide Permit, CDFW Streambed Alteration Agreement (LSAA or "1600 permit"), and RWQCB Section 401 Water Quality Certification (WQC). These regulatory permits may be required depending on the magnitude of the Project's impacts to jurisdictional Waters of the U.S. TKE will evaluate options to modify the proposed project to either eliminate these permit requirements, or substantially reduce the complexity of the regulatory approvals.

DELIVERABLES: Environmental monitoring deliverables will include species surveys, mitigation plans (if required), regulatory permits and relates materials (if required), and report of compliance with the approved MMRP.

2.3 POST CONSTRUCTION MANAGEMENT SERVICES

TKE will provide the following subtasks related to post construction management services:

2.3.1 PROJECT CLOSE-OUT

The process of project close-out is often neglected as contractors and project team members move on to their next job. However, several activities need to occur to ensure successful completion and closeout of a project. These activities include final inspections, training, as-built plans, final report of expenditures, final invoicing/payment, reporting and project documentation. Completing the project record and handoff of responsibilities for operation and maintenance is critical, especially for RWRF start up and initial operations. Many projects fail when proper documentation and training is not provided. The TKE Team is familiar with State and project requirements and procedures. The project closeout will set the District and various stakeholders up for success as the project enters the operational phase.

After project construction is essentially complete, we together with District staff, if desired, will field review the project and prepare a construction deficiencies list (punch list) of items requiring remedial work. After all deficiencies are corrected, our Construction Manager will prepare a letter, recommending acceptance of the project. Once the remedial work is completed, TKE will review and process the final project invoice.

TKE will assist the District to identify, track and monitor the completion of warranty work prior to the construction completion date. We will obtain lien waivers, bonds, guarantees, warranties, if required, and other documents required by the Contract Documents for final Contract Closeout.

In addition, we will prepare the Notice of Substantial Completion to establish the date for the commencement of contract warranty periods and acceptance of maintenance responsibility by District. We will provide the Contractor with a list of any remaining incomplete work requirements to be completed prior to Final Completion.

After all project requirements have been completed, we will prepare a "Notice of Completion" report documenting the final completion of the project and acceptance of the project improvements by the District.

TKE will forward copies of all records in digital and hard copy format and we will prepare a summary of construction changes, final cost, and schedule revisions.

2.3.2 RECORD DRAWINGS

Each month, our Construction Inspector will review the contractor's records to ensure that a diligent effort is being made to keep current and accurate records of work in place. If deficiencies are observed, we will withhold the contractor's progress payment until the contractor demonstrates compliance.

Once the project has been completed, we will provide the District with a complete set of redlined record drawings which will reflect the improvements as constructed; any changes made during project construction will be shown on the record drawings based on contractor's and our records. Drawings will be forwarded to the design engineer to prepare final as-built drawings to be provided to the District.

DELIVERABLES: will include final as-built drawings in both digital and hard copy (mylar) format.

2.3.3 CONTRACT FUNDING ADMINISTRATION

TKE Engineering, Inc. team will verify that all construction activities, records management and processing are completed in accordance with project and State Water Board requirements. TKE is already working closely with the State Water Board on the project's SRF application and agreement and is very familiar with funding requirements ensuring that the District's projects will be delivered efficiently. TKE will prepare the Final Delivery Report of Expenditures (FROE) for review and submittal by the District to the State.

DELIVERABLES: will include quarterly disbursement requests, project reports, and FROE.

2.4 PERMITTING/COORDINATION

Coordination is often one of the most critical aspects of any job. In particular, the Construction Manager and Resident Engineer must take care to ensure proper communication and coordination on the job. This is particularly true of jobs involving multiple permitting agencies. The TKE Team is experienced in multi-permitting agency coordination. Of paramount importance is coordination between the project team and any permitting agencies in order to secure appropriate oversight and confirm that project objectives or requirements are met. Acting through the District, the Construction Manager and Resident Engineer will be primarily responsible for coordination. This includes the timing of various work in respective jurisdictions, being aware of unique requirements of each jurisdiction, and assisting in ensuring permits are obtained in a timely manner to allow work to proceed. In addition, coordination will occur to ensure that the contractor and inspectors are working together to ensure inspections are scheduled appropriately. Finally, coordination must occur to ensure project components are sequenced properly to minimize schedule disruptions and eliminate cost overruns.

In addition to the goals above, experience tells us that each agency has its own personality or culture which affects how they interact with contractors, inspectors, and other third-parties. Certain agencies require a lot of attention whereas others are quick to approve the permit and inspection process. No one agency is the same and each requires a unique and sympathetic approach for coordination. Though this is true, a common approach to all agency Inspection coordination will be conducted in the following way:

- Outreach and Site Visits with local agency management, supervisors, and technicians (A representative from each must be in attendance)
- Weekly Scheduled Meetings
- Individually Schedule Meetings
- Relevant Documentation Collection
- Key Stakeholder Interviews
- Incorporate local agency requirements
- Proposed workflow document review by the stakeholder (management, supervisors, and technicians)
- Providing multiple presentations on the project and the inspections process to key staff members
- Scheduling of work based on input from the local Agency

A major tenet of coordination is gentle, but firm and consistent pressure to achieve the goals for the project.

2.5 OFFICE ENGINEERING

The TKE Team will provide office engineering to assist with administration of all project requirements and organization of all project documentation. The office engineer is familiar with State required forms and documentation, procedures and reporting for prevailing wage requirements on grant funded projects. The office engineer will assist with processing of monthly progress pay estimates, monthly status reports, extra work reports, and weekly statements of working days. In addition, they will prepare and process contract change orders, monitor construction budget and schedule, prepare, maintain, and/or file project documents including labor and equipment records, correspondence, memoranda, meeting minutes, claims, personnel records, labor compliance reports, and daily, weekly, and monthly reports, perform routine calculations and checking of quantities and coordinate all office activities and functions with the District representatives.

b) SUGGESTED MODIFICATIONS FOR SUCCESS

Our teams experience with the District, City of Desert Hot Springs, County of Riverside, State Water Board, RWQCB, local traffic patterns, District Standards, grant funding sources and the local community provide the District a Construction Team with an unmatched project understanding. Our knowledge of the project issues ensures the District that TKE's Team will deliver the project efficiently on budget and effectively on schedule. In our review of the project, we have identified the following suggestions to help with successful project delivery:

EARTHWORK – Construction of the wastewater treatment plant raised pad will require fill materials. However, the effluent disposal ponds will generate excess fill for export. Other portions of the sewer and force main construction will generate export. During our constructability review, we will analyze the construction documents and phasing plan to define locations where materials will be generated and thereafter, hauled to the RWRF site for placement as engineered fill, striving for a balanced site. It appears the RWRF design includes excess export that needs to be addressed to save the District costs.

Pipeline installation and construction of the proposed trench repair will generate the need to dispose of excess soil materials. Our team will work with the District during constructability review to designate a location to place these materials and minimize expensive hauling costs, ideally at the RWRF site or closer. During construction, our inspectors will ensure that routes to and from Area M2, Dillon Road, and Little Morongo Road used to export materials remains in clean and good condition and that all exported materials are properly compacted at the deposit location.

DRAINAGE CROSSINGS – The "Arizona" style drainage crossings are located along Dillon Road, between Palm Drive and Little Morongo Road. The City or County may require a permit for construction through the drainage crossings. Construction through the "Arizona" style crossing may be impacted during a storm event. Specifically, storms in the Coachella Valley may not happen often, but they typically come in strong and fast generating flash flood conditions. Our team has past experience with construction through drainage crossings and may suggest construction timelines be shifted to accommodate the rainy season or if rain is on the upcoming week's forecast to avoid flood related impacts and areas of ponding to project construction.

DETOURS/TRAFFIC CONTROL/ACCESSIBILITY – For pipeline construction along Dillon Road, both vehicular and non-vehicular traffic will be impacted. An extensive amounts of traffic travel along Dillon Road on a daily basis. Dillon Road experiences heavy traffic patterns during the AM and PM peak hours. It is anticipated that the City will require the roadway to remain open at all times. The Contractor will be required to prepare and submit traffic control plans which will be reviewed and approved by the City to ensure access is maintained to all residents, businesses and thoroughfares throughout the project duration.

Alternatively, a proposed detour path or alternate route will be analyzed to ensure the traffic patterns can safely and effectively convey the expected traffic volumes. If needed, the detour will remain in place for approximately 3 months and over that period, the roadway long the detour route shall be reviewed, maintained in good working condition and adjusted as necessary to minimize delays and ensure public safety.

During construction, access to properties along Dillon Road, Little Morongo Road, and throughout Area M2 must be maintained. Our team's familiarity of the project limits will ensure accessibility issues are identified on the traffic control plans and properly addressed in the field. Our inspector's routinely build coalitions with the local residents to keep them adequately informed of construction events and address any concerns that may arise during construction. These coalitions help reduce complaints and unnecessary burden on District Staff and Board of Directors.

SCE COORDINATION – The RWRF site will require a new service connection with Southern California Edison (SCE). TKE's Team is intimately familiar with new service connection request procedures and coordination with SCE. Specifically, TKE has worked with the District's SCE representatives on several projects, including Well 33 Solar and Well 42. Extensive coordination with SCE is expected to ensure that system energization does not delay plant startup, operations and ultimately, project completion. Our team has extensive experience with SCE and their requirements including service pedestal conduit inspections, electric service applications, customer project information sheets, and meter address and activation to ensure no delay will occur.

Further, the District may consider modifying the SCE interconnection of their Well 33 Solar facility adjacent to the proposed RWRF. There may be a benefit to the District to use available solar power during peak summer times to operate the plant in lieu of the smaller daily power consumption of Well 33.

PRIVATE PROPERTY IMPROVEMENTS – The Area M2 Collection System includes demolition of on-site septic tanks and construction of a new sewer lateral to on-site piping. During construction, protection and reconstruction of other on-site private improvements are required. In particular, right of entry agreements are required for all 405 developed parcels. In addition, to maintain ingress and egress, limiting sewer service interruptions to residents will be imperative to successful project completion. Further, other private property improvements must be completed to the property owner's satisfaction including landscaping and fencing replacements. Our team is familiar with working alongside with residents for the construction of improvements within private property.

FUNDING SOURCES – The District has assembled various funding streams for construction of the project that include local funds, assessment district funds, SRF loan, and grants. Each funding stream has its own funding invoicing and documenting requirements. In addition, the overall project costs will require the District to carefully manage cashflow to ensure that expenditures do not exceed District reserves. TKE's fund management history will assist the District with identification of cash flow projections and requirements throughout the project duration. We will also assist the District as needed to expedite reimbursement requests to other funding agencies minimizing the cash flow burden that can be placed on the District for a project of this size.

The District desires to retain a consultant team that will ensure this important project is delivered on schedule and within budget with the least impacts to the public. Our team's history with the District, City, County, affected agencies/utilities, construction management and grant funding will ensure the successful completion of this important project.

SECTION 4: REFERENCES

TKE Engineering, Inc. has continuously provided Construction Management and Inspection services to the following list of clients.

REFERENCES

AGENCY	CONTACT NAME	PHONE NUMBER	DATES SERVICES PROVIDED
Mission Springs Water District 66575 2nd Street Desert Hot Springs, Ca 92240	Arden Wallum General Manager	(760) 329-5169	2001 – Present
Coachella Valley Association of Governments (CVAG) 73710 Fred Waring Dr #200 Palm Desert, CA 92260	Eric Cowle Program Manager	(760) 346-1127	2020 – Present
City of Calimesa 908 Park Avenue Calimesa, Ca 92320	Bonnie Johnson City Manager	(909) 795-9801	2012 – Present
City of Highland 27215 Baseline Highland, Ca 92346	Carlos Zamano Public Works Director	(909) 864-8732	2013 – Present
City of Hesperia 9700 Seventh Avenue Hesperia, Ca 92345	Nils Bentson City Manager	(760) 947-1901	2016 – Present
City of Moreno Valley 14177 Frederick Street Moreno Valley, Ca 92553	Mr. Henry Ngo Capital Projects Division Manager Public Works	(951)413-3106	2012 – Present
City of Fontana 16489 Orange Way Fontana, Ca 92335	Phil Burum Deputy City Manager	(909) 350-6727	2000 – Present

SECTION 5: QUALIFICATIONS AND EXPERIENCE

a) FIRM PROFILE

TKE Engineering, Inc. (TKE), a California Corporation, was established in June 2000, and in the last 21-years has developed into one of Southern California's premier full-service construction management and consulting engineering firms. TKE was established with the goal of providing turnkey services for municipal projects in order to benefit our community. As a result of the focus of a firm on this mission, TKE has earned a reputation for thoroughness, rapid turnaround, cost efficiency and, overall quality of work. We are a highly motivated, dynamic firm with the goal of being your preferred consultant.

TKE provides turnkey construction management and inspection services to numerous municipalities throughout Riverside, San Bernardino, Los Angeles, and Orange Counties. The municipal services provided by our firm include Construction Management, Project Development, CIP Design, Traffic Engineering, Surveying, Project Management, Plan and Map Checking, Inspection, Program Management, Utility Company Coordination and Management, Public Outreach, Grant Funding, Federally/State Funded Grant Management, and Construction Surveying services. Our wide range of services provides our team with an intimate knowledge and experience of the common pitfalls for each project variation and our past history of successfully overcoming these challenges.

TKE has managed more than $150 million in publicly funded construction projects for more than 21-years. The breadth of experience and technical skill of our staff enable us to manage a wide variety of projects, ranging from major wastewater infrastructure to the restoration and rehabilitation of significant wastewater treatment structures. TKE has performed construction management services for a wide variety of multi-million dollar projects. TKE's corporate structure guarantees that the principals of the firm will be intricately involved with all aspects of the project which translates to effective communication and project stability for the District. TKE's principals and support staff are highly qualified in managing all sizes and types of projects and have a proven track record of successfully delivering even the most challenging projects. In addition, our teams personal background and our current and past history with the District and in the Coachella Valley and surrounding communities, brings an extensive knowledge of the project, project area, working on State and Federally funded projects, standards and specifications of several municipalities and utility companies in the Coachella Valley, and project goals. This ensures that the District's best interests are fully protected during value engineering, in the event of startup and operation difficulties, the contractor requesting extra work, change orders or any type of additional compensation or working days, thereby maximizing the potential for project success.

In addition to our direct local knowledge, TKE has extensive construction administration experience for all types of projects with numerous grant funding sources. TKE has performed construction administration services for projects with funding sources that include State Water Resource Control Board Clean Water and Drinking Water SRFs, EPA Clean Water SRF, Department of Water Resources Propositions 50, 84, 1E and 1 programs (i.e., Storm Water Grant Program, Integrated Regional Watershed Management Program, Flood Management Program etc.), U.S. EPA Clean Water Grant, U.S. Army Corp Environmental Infrastructure, and numerous locally funded Development Impact Fee (DIF) and Assessment District (AD) projects. The projects constructed include water and wastewater improvements, traffic improvements, street widening, street rehabilitation, sidewalk, traffic signals, median curb with hardscape, landscape and lighting, storm drain, flood control and aquifer recharge basins, bus transfer stations and stop enhancements, and park development and community revitalization improvements.

TKE's headquarters is located in a business owned building at 2305 Chicago Avenue in Riverside, and TKE's local office is located at 73-710 Fred Waring Dr #104 Palm Desert, CA 92260, less than 30 minutes from the District and Project sites, allowing us to mobilize and respond to the District's needs at a moment's notice. TKE currently maintains a staff of 47 construction managers, project managers, engineers, surveyors, inspectors, drafters, and clerical personnel.

b) KNOWLEDGE OF TECHNICAL AND FUNCTIONAL NECESSITIES

TKE proudly serves Municipal Agencies including the District with a variety of engineering services including construction management, inspection, wastewater systems, water systems, recycled water systems, water resource management, storm drain systems, storm water, urban runoff management and water quality programs, floodplain management, street widening, bike lanes, roundabouts, traffic engineering, parking lots, parks, traffic control, signing and striping, surveying,

mapping, and grant management. TKE's experience includes project delivery from conception to completion. All of the professional services discussed are services we effectively provide routinely.

TKE and our team continue to provide numerous municipalities and agencies with construction management, inspection services, materials testing and staffing for every facet of engineering and public works 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 in our proposal.

CONSTRUCTION MANAGEMENT

Construction management is a service that implements specialized, project management methods to manage the design, construction and the planning of a project, from bidding through completion. Managing this 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 in the bid administration and pre-construction activities are 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 of District inspections and acceptances, coordination of utility relocations, office engineering, and project close-out.

For complex projects, the Construction Project Manager can have over 120 responsibilities. Proper organizational skills and experience with similar construction projects is important to ensure that the Construction Project Manager and Resident Engineer 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. Coordination through the District with the multiple contractors will be required. Our project team personnel have extensive familiarity with the District, City, County, State Water Board, RWQCB, AQMD, SCE, Standard Plans, Standard Specifications for Public Works Construction and more. Our team works with these applicable standards and manuals on a routine basis, as well as the capability to meet the Regional Water Reclamation Project requirements and fulfill anticipated responsibilities.

Our team has specific experience in every element necessary for the District's Construction Management project. This includes construction of treatment plants, gravity sewer and force main installation, septic abatement programs, community outreach and education for large projects, drainage crossings, tracking of earthwork for quantity payouts, water quality management best management practices installation, and PM-10 compliance.

TKE has managed publicly funded construction projects throughout our history. 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 restoration and rehabilitation of treatment plants. TKE has routinely performed administration of the contract (general contract administration and oversight of project), provided Resident Engineering services, 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, coordinated with the project inspector, 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 council or board 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, Riverside County Transportation Department, Riverside County Flood Control and Water Conservation District, U.S Army Corps of Engineers, California Department of Fish and Wildlife, 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 construction management services on all types of public works projects. We are extremely familiar with the District Standards, 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:

- Sanitary Sewer Gravity and Force Mains
- Potable and Recycled Water Mains
- Grading and Retaining Walls
- Retention and Detention Basins
- Reservoirs
- Pump Stations

- Filtration Systems
- Lift Stations
- Treatment Plants
- SCADA and Communications
- Storm Drains and Channels
- Street Widening Projects
- Bridge Widening
- Sidewalk Repair and ADA Compliance Projects
- Conventional and Rubberized Pavement Rehabilitation Projects
- Signal Interconnection
- Traffic Signal and Striping Projects
- PCC Paving Projects
- Signing and Striping
- Bus Transfer Stations
- Parking Lot Projects
- Parks and Other Public Facilities
- Site Improvement Projects
- Major Infrastructure Projects
- Reconstruction and Rehabilitation

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

INSPECTION

TKE and our project team, provides experienced, highly qualified staff with significant technical expertise and strong public relations skills for inspection services. All of TKE's inspectors have a background within design and 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 on a full-time, part-time, on-call or interim project basis. 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 each jurisdiction has its own development and capital improvement standards that were developed to meet the needs of that particular community. TKE has a thorough understanding of these standards together with the needs of the community. For each project that TKE is assigned, TKE will verify compliance with all applicable standards. Furthermore, with our extensive experience in other jurisdictions, TKE will be able to recommend improvements to these standards 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
- 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
- Preparation of punch list
- Coordinate project closeouts activities which include staff report, Notice of Completion, release of retention, warranty walk, and archiving documents.

CONSTRUCTION SURVEYING

TKE has been providing survey and construction staking services for the past 21-years. TKE's survey experience includes construction staking of an extensive array of services including:

- Sanitary Sewer Mains and Force Mains
- Potable and Recycled Water Mains
- Treatment Plants
- Sewer Lift Stations
- Wells, Reservoirs, and Pump Stations
- Demolition Limits
- Rough and Mass Grading
- Slope Staking
- Earthwork Verification
- Flood Control and Water Quality Basins
- Storm Drain Pipe, Boxes, Channels and Culverts
- Catch Basins
- Replacement of DWR Aqueduct and Channels
- UPRR At-Grade Crossings
- Street and Roadway Widening Improvements
- PCC Improvements Including Curb, Gutter Sidewalk, Driveways, and Access Ramps
- Bridge Construction and Bridge Widening
- Blue-Top Stakes for Asphalt Concrete Roadways
- Street Lighting
- Traffic Signals
- Power Pole Relocations
- Existing Rights-of-Way and Property Corners

TKE's survey team have a background within design and construction, enabling TKE to provide well rounded surveyors capable of understanding the requirements to construct a project and capable of identifying potential change orders and design deficiencies before they occur. Please refer to our project team, together with our corporate resumes to verify our team's technical ability to deliver these services.

PROJECT/PROGRAM MANAGEMENT

TKE has managed publicly and grant funded design projects throughout our history. 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 restoration and rehabilitation of significant historical structures. We will require and document that all work is completed in accordance with funding contract specifications, terms, conditions, state and federal laws and regulations, and client policy to ensure that project close out and final reimbursements by the funding agencies proceed smoothly.

Our management portfolio includes:

- Water and Wastewater Facilities
- Utilities
- Transportation Corridors
- Bridge Widening
- Street Widening Projects
- Traffic Signal and Striping Projects
- Signing and Striping
- Major Infrastructure Projects
- Reconstruction and Rehabilitation

GRANT ADMINISTRATION

TKE is familiar with a number of funding sources for capital improvement projects. TKE has prepared numerous applications and administered these funds for a number of agencies. TKE has extensive experience with Federal and State funded projects including:

- State Water Resource Control Board Clean Water SRF
- State Water Resource Control Board Drinking Water SRF
- EPA Clean Water SRF
- Propositions 50, 84, 1E and 1
  - Clean Water SRF

  - Storm Water Grant Program
  - Integrated Regional Watershed Management Program
  - Flood Management Program
- Highway Safety Improvement Program (HSIP)
- Transportation Enhancement Program (TE)
- Congestion Management & Air Quality (CMAQ)
- Federal Safe Routes to School (SRTS)
- Community Development Block Grant (CDBG)
- U.S. EPA Clean Water Grant
- U.S. Army Corp Environmental Infrastructure
- U.S. HUD Community Development Block Grants
- Active Transportation Program (ATP)
- State Safe Routes to School (SR2S)
- Road Repair and Accountability Act of 2017 (SB1)
- Mobile Source Reduction Committee (MSRC)
- TDA Article 3
- Rubberized Asphalt Concrete (RAC)

We will apply this knowledge to process the current Project's combined SRF and grant funding components.

c) QUALITY ASSURANCE/QUALITY CONTROL

TKE's Quality Assurance / Quality Control procedures, ensures that the City's project will be successfully delivered on time and on budget. TKE and their teaming partners are committed to prioritizing the Construction Management Services for the Regional Water Reclamation Facility Construction Project to meet the satisfaction of the project stakeholders.

WORK QUALITY AND COST CONTROLS

TKE takes pride in its reputation for thoroughness, rapid turnaround, cost efficiency and overall quality of work, and believes that a high level of quality is needed on all services provided by TKE. Key components of the program include check lists, field reviews, and discussion with District staff. High quality services yield ease of project oversight, smoother processing, minimal delays in the bidding phase, healthy number of bidders, consistent bids, minimized construction support cost, absence of design-related change orders, and reduced claims and dispute resolution costs.

TKE believes that the most successful quality assurance program is one that is applied inherently throughout the entire process. This program requires not only formal procedures for checking but encourages the conscientious effort of experienced people to always "think quality" in every task performed throughout the design and construction process. This program has become a natural element in all aspects of TKE's management activities and will guide all services provided by TKE.

Effective QA/QC includes 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) quantity estimates, and review by constructability expert. The Quality Assurance / Quality Control program is in place to ensure that services provided by TKE continues to exceed the standards of our clients and that we will deliver the projects on schedule and within budget.

Regarding cost controls, TKE's client manager will provide monthly progress reports documenting project progress for all projects assigned to TKE using a comprehensive project management summary. The summary includes project name and related number, description of progress, budget status, schedule compliance, and anticipated upcoming accomplishments.

DOCUMENT CONTROLS AND STANDARDIZATION

TKE's Team will manage documents and change control throughout entire project lifecycle from planning through engineering, construction, close-out, and commissioning. The document control system is there to process project documents and uploaded them to the project collaboration/document control software; assigning metadata and distribution of documents electronically. The Assistant REs / Office Engineers will actively coordinate the activities of the document management and control functions; overseeing all project correspondence, contractor design, and construction submittals are submitted in accordance with the contract and processed in accordance with procedures. Establishing the

process flows and document control for all design and construction documents, including: RFI's, drawings, specifications, contracts/modifications, correspondence, submittals, manuals, etc.

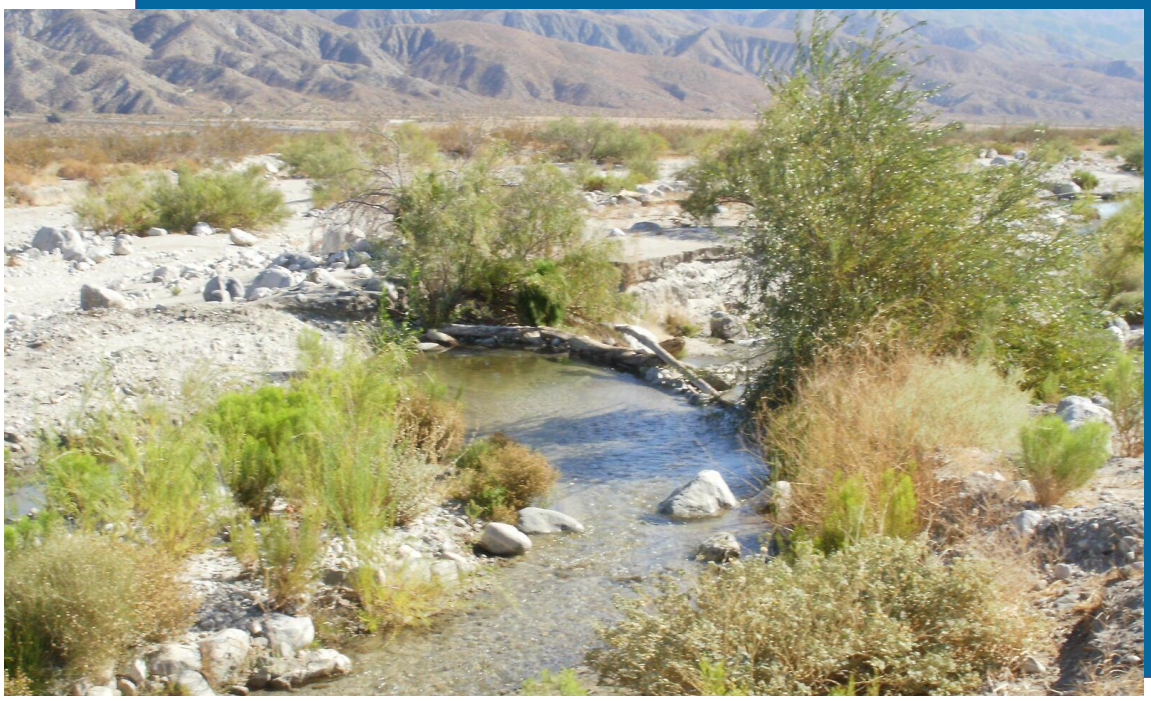
In addition to the fundamental cataloging, storage, and retrieval functions that document control personnel perform, the work involves tracking and reporting the version control of critical documents such as submittal reviews, constructability reviews, and contract amendments. Configuration management also includes control of the project baseline by maintaining and tracking changes to the system-wide documents, program management procedures, and design standards in accordance with the District procedures utilizing a Project Management Information System (PMIS); coordinating and tracking changes for construction and consultant contracts; and maintaining data in the PMIS. Additionally, this scope includes working collaboratively with project managers, construction managers, contract management, and other staff to obtain cost estimates and descriptions of the scope of the change, as well as identify impacted drawings and specifications, impacts to other contracts, and other documents needed to support changes and facilitate the procurement process to potentially issue changes.

d) OUR COMMITMENT

Key personnel and all project resources presented in this proposal will be available and committed to successful project delivery for the duration of the Project. No person designated as "key" to the Project shall be removed or replaced without the prior written consent of the District. To demonstrate our commitment to successful project completion, the Resident Engineers Robert Doss, P.E. and Lucas Rathe, P.E., Q.S.D., CCM, will be accessible to the project stakeholders on a daily basis.

e) ABILITY TO PERFORM

TKE's organizational structure has steadily grown since our inception 21-years ago, which provides us with a solid foundation and ensures successful completion of any District project. TKE has an annual gross income of more than 7 million dollars. In addition, over TKE's 21-years of business, not a single TKE project has gone through litigation. There are no financial conditions that may impede TKE's ability to provide services or complete the services as outlined in the RFQ. No conditions or organizational conflicts of interest exists that will affect the ability of TKE to perform the required duties as described in this proposal.



f) RELEVANT PROJECT EXPERIENCE

REGIONAL WATER RECLAMATION PROGRAM MANAGEMENT

City of Desert Hot Springs, CA`

Client Contact:	Mr. Arden Wallum Mission Springs Water District
Phone Number:	(760) 329-5169
Email:	awallum@mswd.org
Project Cost:	$57 Million
Completion Date:	On-Going
Firm Name:	TKE Engineering, Inc.

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. 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

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

RELEVANCE TO MSWD

- Management of the Program from Inception to Date
- Program Sequencing
- Managing CEQA Compliance
- Managing Permitting
- Coordination with City, County, RWQCB, and State Water Board
- SRF and Grant Application and Processing

WATER PCM PROGRAM CONTRACT – STANDBY POWER AND UV DISINFECTION IMPROVEMENTS

City of Columbus, OH

Client Contact:	Dave Opferman, PE, Project Manager
Phone Number:	614.645.4628
Email:	djopferman@columbus.gov
Project Cost:	$10.6 Million - $20.7 Million
Completion Date:	Ongoing
Firm Name:	Anser Advisory LLC

DESCRIPTION

As part of the multi-discipline team, the City of Columbus retained Anser to provide professional program and construction management services on the Hap Cremean, Dublin Road, Parsons Avenue Water Plants, and the Alum Creek Pump station. Currently, Anser is managing the Standby Power and UV Disinfection Improvements Project.

Standby Power - Installation of new generators, a new switchgear enclosure, new concrete encased duct bank, and the construction of a fuel offloading area with an underground trench drainage system that is tied to an underground storage tank. Responsible for construction management, contract change management, claims analysis, cost and schedule analysis, project controls, personnel management, and coordination with plant operations and other construction on the site.

UV Disinfection - Demolition and construction of existing filter effluent pipework and in-line valves of existing filters, construction of UV disinfection equipment system and associated

electrical equipment, installation of turbidimeters and controllers, demolition of existing HVAC and dehumidification equipment and construction of sample water system. Responsible for construction management, contract change management, claims analysis, cost and schedule analysis, project controls, personnel management, and coordination with plant operations and other construction on the site.

Dublin Road WTP Standby Power:

9/2018-12/2020 | $10.6M
Hap Cremean WTP Standby Power:
5/2018-Current | $15.4M
Dublin Road Water Plant UV
Disinfection: 06/2018-Current | $20.7M
Hap Cremean WTP UV Disinfection:
07/2018-Current | $14.5M

KEY STAFF

Valerie Wollet, PE, CCM | *Construction Manager*

RELEVANCE TO MSWD

- Program Sequencing
- Managing Permitting
- Coordination with Agencies and Stakeholders
- Similar Construction Elements to the Proposed Project
- Large Contract Amount

UPPER TUSCARAWAS WASTEWATER TREATMENT PLANT NO. 36 IMPROVEMENTS

County of Summit Department of Environmental Services, Springfield Township, OH

Client Contact:	Matt Calcei, PE, Deputy Director
Phone Number:	330.645.0003
Email:	mcalcei@summitoh.net
Project Cost:	$4 Million
Completion Date:	10/2014
Firm Name:	Anser Advisory LLC

DESCRIPTION

Anser was retained by the County of Summit Department of Environmental Services to provide preconstruction and construction management services for a comprehensive renovation of the Upper Tuscarawas Wastewater Treatment Plant, No. 36, which is a 4.0 MGD plant located in Springfield Township.

The project scope included construction of a new fine screen building, new outlets on the primary clarifiers, and coating all primary clarifier underwater and exposed equipment. The tertiary treatment filters were removed and replaced in addition to the replacement of the motor control center for the digester blowers. Additional site improvements include extension of the digester waste line, various building roof repairs and/or replacements, and repair/resurfacing of plant roadways and parking areas.

Anser's services included a comprehensive constructability review of plans and specifications, a detailed CPM schedule, cost estimating, bid and award services, and complete construction management and claims management, if required.

KEY STAFF

Kenny Barker, CMIT | *Construction Inspector*

RELEVANCE TO MSWD

- Similar Size and Scope
- Renovation Project for Public Works
- Construction Sequencing
- Large Contract Amount

SAN BERNARDINO AVENUE TRUNK SEWER

City of Fontana, CA

Client Contact: Mr. Chuck Hays
Phone Number: (909) 350-6530
Email: chays@fontana.org
Project Cost: $9.8 Million
Firm Name: TKE Engineering, Inc.

DESCRIPTION

The San Bernardino Avenue Trunk Sewer is located in the City of Fontana north of Interstate 10 between Etiwanda Avenue and Cypress Avenue. The project included approximately 19,500 linear feet of 48-inch and smaller vitrified clay and reinforced concrete pipe sewer, two siphons, including bore and jacked pipe and casings, and numerous diversion gates for flow diversion. The facility was constructed to convey 25 million gallons of wastewater to a proposed lift station, which will convey the water to IEUA's regional plant number 4.

SERVICES

Services include project management, conventional topographic surveying, records research, preliminary engineering design, hydraulic modeling, permitting, coordination with agencies and consultants, bidding services, SRF grant fund management, right-of-way acquisition, construction administration, construction inspection and construction staking.

KEY STAFF

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

RELEVANCE TO MSWD

- Similar Construction Elements to the Proposed Project
- Large Contract Amount
- Construction Sequencing with Associated Project (Lift Station)
- Coordination with City and County
- SRF and Grant Administration
- Coordination with local Businesses and Residents

COLUMBUS WASTEWATER PROFESSIONAL CONSTRUCTION MANAGEMENT

City of Columbus Wastewater Professional Construction Management, Columbus, OH

Client Contact:	John Newsome, DOSD Administrator
Phone Number:	614.645.8460
Email:	jgnewsome@columbus.gov
Project Cost:	$534 Million (See Below)
Completion Date:	May 2012-Ongoing
Firm Name:	Anser Advisory LLC

DESCRIPTION

As part of the City of Columbus' continuing program to upgrade and maintain their wastewater treatment and support facilities, a series of capital construction projects have been programmed to provide efficient, reliable, cost effective operations, and enhance personnel safety. Anser Advisory (former legacy company, H.R. Gray) has been the lead construction management consultant for over 20 years, on over 70 projects with construction costs totaling over $543.3M. Anser Advisory provides construction management services including project controls, administration, and field oversight to manage the work from bid phase through closeout. Since 2012, Anser has managed over $163.1M of projects at the Jackson Pike and Southerly Wastewater Treatment Plants and Support Facilities.

SERVICES

Services provided included construction management, construction inspection and observation, constructability review, construction estimating and construction project scheduling.

PROJECT COST

$49.4M Biosolids Land Application Facility

$13.1M HVAC (including Steam Heating) & Roof Replacement

$12.4M Corrosion Prevention and Protective Coating Systems

$5.5M Waste Digester Gas Utilization Improvements

$3.8M Primary Clarifier Electrical Upgrades

$2.5M Polymer System Renovations

$2.1M Digester Cover & Gas Piping Replacement

$1.8M CSO Reduction Improvements

$1.2M Fiber Optic & PLC Upgrades

RELEVANCE TO MSWD

- Management of the Program from Inception to Date
- Program Sequencing
- Managing Permitting
- Renovation Project for Public Works
- Similar Construction Elements to the Proposed Project
- Large Contract Amount

CITY OF COLUMBUS DUBLIN ROAD WTP CONTRACT

City of Columbus, OH

Client Contact:	Dave Opferman, PE, Project Manager
Phone Number:	614.645.4628
Email:	djopferman@columbus.gov
Project Cost:	$10 Million - $100 Million
Completion Date:	May 2019
Firm Name:	Anser Advisory LLC

DESCRIPTION

As part of the multi-discipline team, the City of Columbus retained Anser (former legacy firm, H.R. Gray) to provide professional program and construction management services for the Dublin Road Water Treatment Plant. The following is a list of previous projects completed for the Dublin Road WTP:

- Treatment Capacity Increase:
  - Sludge Pump and Electrical Substation
  - Filter Rehabilitation and I&C Backbone
  - Recarbonation and Ozone Facilities/Basin 4 Softening
  - Ion Exchange/Plant Reliability Upgrades
- Sodium Hypochlorite Facility

SERVICES

Services provided include program management, construction management, contract change management, construction inspection and observation, claims analysis and schedule analysis.

RELEVANCE TO MSWD

- Program Sequencing
- Renovation Project for Public Works
- Similar Construction Elements to the Proposed Project
- Large Contract Amount

NORTH INDIAN CANYON SEWER PROJECT

City of Desert Hot Springs, CA

Client Contact:	Mr. Arden Wallum Mission Springs Water District
Phone Number:	(760) 329-5169
Email:	awallum@mswd.org
Project Cost:	$514,000
Completion Date:	September 2021
Firm Name:	TKE Engineering, Inc.

DESCRIPTION

The North Indian Canyon Sewer Improvements Project is located in the County of Riverside near the City of Desert Hot Springs. This project consists of the construction of 2,300 linear feet of 8" vitrified clay sewer pipe, manholes, laterals, and associated roadway repair. The proposed wastewater system improvements are being made prior to a County repaving project to avoid construction impacts on the new roadway and provide adequate capacity to convey future development flows.

SERVICES

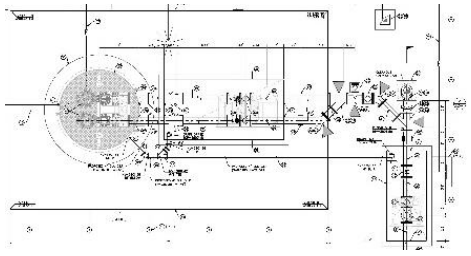
Services include pre-construction and progress meetings, preparation of material submittal review, process RFIs/RFCs, daily inspection reports, developed construction photo logs, processing of progress and final payments, processing change orders, verified compliance with contract documents and approved submittals, verified public safety compliance, and coordination with agencies/utilities.

KEY STAFF

Terry Renner, P.E., Q.S.D.
Marvin Lara, E.I.T.
Ron Musser, L.S.
Jeff Lantosh

RELEVANCE TO MSWD

- Similar Construction Elements to the Proposed Project
- Construction Sequencing with Roadway Project
- Coordination with County
- Coordination with local Businesses and Residents



I-15 SEWER LIFT STATION AND WATER BOOSTER STATION

City of Hesperia, CA

Client Contact: Mr. Nils Bentsen
Phone Number: (760) 947-1901
Email: Nbentsen@cityofhesperia.us
Project Cost: $8.7 Million
Completion Date: In Progress
Firm Name: TKE Engineering, Inc.

DESCRIPTION

This project consists of the design and construction of a sewer lift station and water booster station to provide service to developments along the I-15 freeway corridor. Through a phased approach, TKE first developed a sewer and water feasibility study to serve the area; followed by preparing the design and contract documents, and providing construction management services for sewer conveyance, and water distribution and transmission systems; and is now preparing the design and contract documents for the lift station and booster station. The lift station includes two 25 HP VFD submersible impeller pumps, wet well, piping, valves, manholes, electrical, motor control center and electrical building, and associated site improvements. The separate booster station, located at an existing reservoir site, includes three 250 HP VFD pumps, two 50 HP VFD pumps, one 20 HP pump, hydro-pneumatic system, piping, valves, electrical, prefabricated building, emergency generator (600 kW), and associated site improvements.

SERVICES

Services include preliminary engineering, opinion of probable cost, feasibility study, with system alternatives, sewer and water hydraulic modeling analysis, design, topographic surveying, preparation of construction contract documents, and construction management and administration.

KEY STAFF

Terry Renner, P.E., Q.S.D.
Steven Ledbetter, P.E.
Bob Doss, P.E.
Kristine Macalma, E.I.T.
Ron Musser, P.L.S.
Brett Enscoe

RELEVANCE TO MSWD

- Similar Construction Elements to the Proposed Project
- Large Contract Amount
- Construction Sequencing with Associated Project Phases
- Coordination with City and County
- Coordination with Developer, Businesses and Residents

MORENO VALLEY AMPHITHEATER AND CIVIC CENTER PARK

City of Moreno Valley, CA

Client Contact: Ms. Lee Withers
City of Moreno Valley
Phone Number: (951) 413-3726
Email: leew@moval.org
Project Cost: $6.7 Million
Completion Date: August 2021
Firm Name: TKE Engineering, Inc.

DESCRIPTION

The Moreno Valley Civic Center Park and Amphitheater Project is located in the City of Moreno Valley South of Alessandro Blvd immediately west of City Hall. The amphitheater is used for regional movie nights, concerts and seasonal special events. The proposed 2.5 acre project included an outdoor amphitheater stage, 400 person arched concrete seating, open space, and a parking lot for approximately 300 vehicles.

SERVICES

Services included project management, agency and utility coordination, quality assurance, quality control, construction management and inspection.

KEY STAFF

Terry Renner, P.E., Q.S.D.
Ron Musser, L.S.
Marvin Lara, E.I.T.
Stephen Biscotti
Jeff Lantosh

RELEVANCE TO MSWD

- Building / Facility Construction Management Experience
- Electrical Construction Management / Inspection
- Large Contract Amount

CV SYNC

Coachella Valley Association of Governments (CVAG)

Coachella Valley, CA

Client Contact: Eric Cowle, Program Manager
Phone Number: (760)346-1127
Email: ecowle@cvag.org
Project Cost: $21M
Completion Date: Ongoing
Firm Name: TKE Engineering, Inc.

DESCRIPTION

This project located in the Coachella Valley consists of upgrading the local agencies existing legacy (outdated) traffic signal controllers, traffic management systems, and communication systems with the latest off-the-shelf technologies in order to provide inter-agency traffic signal synchronization along three regional roadways including Highway 111, Ramon Road and Washington Street. The project improvements include advanced traffic management systems (ATMS), advanced transportation controllers (ATC), selected Intelligent Transportation System (ITS) elements, ITS sub-systems, and Ethernet/IP-based communications that will be expandable and scalable for future integration of ITS technologies and strategies, such as Integrated Corridor Management (ICM), Smart Cities, and Connected and Autonomous Vehicles. This project includes a Regional Traffic Management Center (RTMC) and local Traffic Operation Centers (TOC) that will have the capability to monitor, control of connected traffic signals, and be used as a monitoring tool for research and analysis to help determine regional system enhancements, operations, and maintenance.

SERVICES

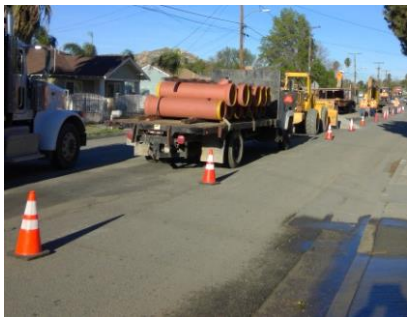
Services included bid administration and pre-construction assistance, construction Management, inspection, and project closeout services

KEY STAFF

Terry Renner, P.E., QSD
Justin Schlaefli, P.E., T.E., PTOE
Brad Enscoe
Michael Conce

RELEVANCE TO MSWD

- Electrical Construction Management / Inspection
- Large Contract Amount
- Teaming Partner with Anser Advisory



TILTON AVENUE SEWER IMPROVEMENTS, PHASE I

City of Jurupa Valley, CA

Client Contact:	Mr. Jeff Sims Rubidoux Community Services District
Phone Number:	(951) 684-7580
Email:	jsims@rcsd.org
Project Cost:	$1.0 Million
Completion Date:	May 2017
Firm Name:	TKE Engineering, Inc.

DESCRIPTION

The Tilton Street Sewer Improvements Project is located in the City of Jurupa Valley on Tilton Avenue between approximately 800 feet east of Riverview Drive and Rubidoux Boulevard. This project consisted of the construction of 1,900 linear feet of 12" vitrified clay sewer pipe, manholes, laterals, diversion manholes to abandon the existing undersized 10" sewer and connections to existing sewer manholes. Proposed wastewater system improvements provide relief for the existing 10" sewer which has insufficient capacity to convey current and proposed development flows.

SERVICES

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

KEY STAFF

Terry Renner, P.E., Q.S.D.
Michael P. Thornton, P.E., L.S.
Steven Ledbetter, P.E.
Ron Musser, L.S.
Stephen Biscotti

RELEVANCE TO MSWD

- Similar Construction Elements to the Proposed Project
- Coordination with City of Jurupa Valley
- Coordination with local Businesses and Residents

PEARMAIN STREET RELIEF SEWER PROJECT

City of Adelanto, CA

Client Contact:	Mr. Brian D. Wolfe City of Adelanto
Phone Number:	(960) 246-2300
Email:	BWolfe@ci.adelanto.ca.us
Project Cost:	$2.2 Million
Completion Date:	February 2022
Firm Name:	TKE Engineering, Inc.

DESCRIPTION

The Pearmain Street Relief Sewer Project is located in the City of Adelanto on Pearmain Street and Auburn Road between approximately 1,300 feet east of US Highway 395 and Air Expressway. This project consists of the construction of 9,000 linear feet of pipe with diameters ranging from 21" to 15", utilizing Polyvinyl Chloride pipe, manholes, stub outs, 110 linear feet of 30" bore and jack steel casing, existing manhole replacement with diversion manhole, reconnection of existing undersized 12" sewer and connections to existing sewer manholes. Proposed wastewater system improvements provide relief for the existing 12" sewer which has insufficient capacity to convey current and proposed development flows.

SERVICES

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

KEY STAFF

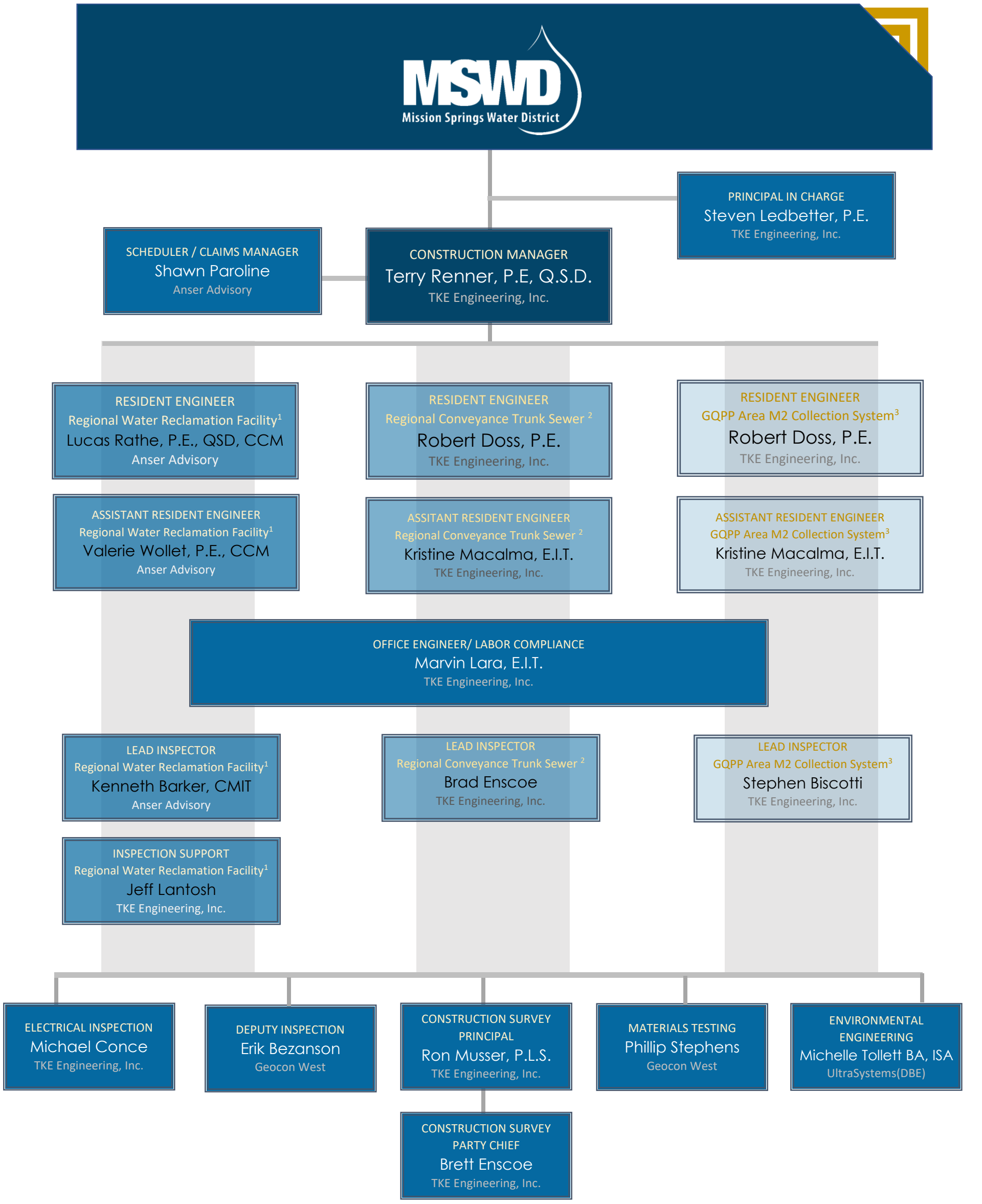
Terry Renner, P.E., Q.S.D.
Marvin Lara, E.I.T.
Ron Musser, L.S.
Octavio Parada
Tyler Ault

RELEVANCE TO MSWD

- Similar Construction Elements to the Proposed Project
- Coordination with California State Department of Industrial Relations (OSHA)
- Coordination with local Businesses and Residents

SECTION 6: PROJECT TEAM AND ORGANIZATION

a) ORGANIZATIONAL CHART



b) KEY STAFF MEMBER QUALIFICATIONS AND CERTIFICATIONS

ROLE	NAME	EDUCATION	CONTACT INFORMATION	EXPERIENCE Years Provided	PROFESSIONAL CREDENTIALS Provided
PRINCIPAL IN CHARGE	**Steven Ledbetter** P.E.	Bachelor of Science, Civil Engineering, California State Polytechnic University, Pomona	TKE Engineering, Inc. 2305 Chicago Ave Riverside, CA 92507 Phone: (951)680.0440	**19**	P.E. License Number 84044(Ca)
OVERALL CONSTRUCTION / PROJECT MANAGER	**Terry Renner**, P.E., Q.S.D.	Bachelor of Science, Civil Engineering, California State Polytechnic University, Pomona Caltrans SWPPP Certified QSP/QSD Training	TKE Engineering, Inc. 2305 Chicago Ave Riverside, CA 92507 Phone: (951)680.0440	**21**	P.E. License Number 69984 (Ca) Qualified SWPPP Developer and Practitioner #24329
CONSTRUCTION RESIDENT ENGINEER Regional Water Reclamation Facility[1]	**Lucas Rathe** P.E., Q.S.D., C.C.M.	Bachelor of Science, Civil Engineering, University of Pittsburgh, Pittsburgh, PA Bachelor of Arts, Mathematics, Seton Hill University, Greensburg, PA	Anser Advisory LLC 73-710 Fred Waring Dr #102 Palm Desert, CA 92260 Phone: (805)459-7697	**14**	P.E. License Number 76273 (Ca) Qualified SWPPP Developer and Practitioner #21590 Certified Construction Manager (CCM) No. 4284
ASSISTANT CONSTRUCTION RESIDENT ENGINEER Regional Water Reclamation Facility[1]	**Valerie Wollet** P.E., CCM	Bachelor of Science, Civil Engineering, University of Toledo, Toledo, Ohio	Anser Advisory LLC 73-710 Fred Waring Dr #102 Palm Desert, CA 92260 Phone: (805)459-7697	**15**	Registered Professional Engineer (OH)
CONSTRUCTION RESIDENT ENGINEER Regional Conveyance Trunk Sewer[2] **&** GQPP Area M2 Collection System[3]	**Robert Doss** P.E.	Bachelor of Science Civil Engineering Arizona State University, Arizona Master's in Management Arizona State University-Tempe - Menifee, CA Caltrans Resident Engineer Academy Caltrans Office Engineers Academy	TKE Engineering, Inc. 73710 Fred Waring Drive #104 Palm Desert, CA 92260	**37**	P.E. License Number 31236 (Ca) P.E. License Number 11575 (Az) P.E. License Number 23152 (Co)

ASSISTANT CONSTRUCTION RESIDENT ENGINEER Regional Conveyance Trunk Sewer[2] & GQPP Area M2 Collection System[3]	**Kristine Macalma** E.I.T.	Bachelor of Science, Civil Engineering, California State Polytechnic University, Pomona	TKE Engineering, Inc. 73710 Fred Waring Drive #104 Palm Desert, CA 92260 Phone: (951)680.0440	**6**	E.I.T.
OFFICE ENGINEER/ LABOR COMPLIANCE	**Marvin Lara** E.I.T.	Bachelor of Science, Civil Engineering, California State Polytechnic University, Pomona	TKE Engineering, Inc. 2305 Chicago Ave Riverside, CA 92507 Phone: (951)680.0440	**6**	E.I.T.
SCHEDULER / CLAIMS MANAGER	**Shawn Paroline** P.E.	Bachelor of Science, Magna Cum Laude, Engineering Technology with Emphasis in Construction Management, California State University, Long Beach, CA Engineering Technology, Honor Graduate, School of Engineering	Anser Advisory LLC 73-710 Fred Waring Dr #102 Palm Desert, CA 92260 Phone: (805)459-7697	**27**	
LEAD INSPECTOR Regional Water Reclamation Facility[1]	**Kenneth Barker** CMIT	Bachelor of Science, Construction Engineering Technology, University of Akron, Akron, Ohio	Anser Advisory LLC 73-710 Fred Waring Dr #102 Palm Desert, CA 92260 Phone: (805)459-7697	**7**	Construction Manager in Training (CMAA) ACI Concrete Field-Testing Technician, Level I OIAMA Aggregate Technician, Level I OSHA 30-Hour Construction & Safety Health Certification OSHA Confined Spaces AHA First Aid-CPR
INSPECTION SUPPORT Regional Water Reclamation Facility[1]	**Jeff Lantosh**	South West Calibration and Training, San Bernardino, CA	TKE Engineering, Inc. 73710 Fred Waring Drive #104 Palm Desert, CA 92260 Phone: (951)680.0440	**12**	ICC - Special Inspector, Soils, Structural Masonry, Reinforced Concrete, and Prestressed Concrete American Concrete Institute - Certification Staff
LEAD INSPECTOR Regional Conveyance Trunk Sewer[2]	**Brad Enscoe**	High School Diploma	TKE Engineering, Inc. 73710 Fred Waring Drive #104 Palm Desert, CA 92260 Phone: (951)680.0440	**16**	16 Hour QSP Training Seminar APWA, Construction Inspection CMAA, Construction Inspection for Public Works Public Works Inspector Level 1 Testing OSHA 30 Certified
LEAD INSPECTOR GQPP Area M2 Collection System[3]	**Stephen Biscotti**	BA, Arts and Humanities, Colorado State University, CA	TKE Engineering, Inc. 73710 Fred Waring Drive #104 Palm Desert, CA 92260 Phone: (951)680.0440	**13**	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 (electricity and electrical control devices) Siemens E&A

					Conflict and Confrontation Seminar – Farmers Insurance Forklift Certification, Various Wire Mills in MA, CT, and CA
ELECTRICAL INSPECTOR	**Michael Counce**	High School Diploma	TKE Engineering, Inc. 73710 Fred Waring Drive #104 Palm Desert, CA 92260 Phone: (951)680.0440	**15**	Electrical Journeyman's License, 2011 Certified Electrician, State of CA, 2011 ABC Apprenticeship Graduate 2011
DEPUTY INSPECTOR	**Erik Bezanson**	California State University, Fullerton, Geology Mt. San Antonio Community College	Geocon West Inc. 41571 Corning Place, Suite 101 Murrieta, California 92562 Phone: (909) 894-2175	**13**	ICC Inspector No 5308543 ICC Master of Special Inspection ICC Soils Special Inspector ICC Structural Welding Special Inspector ICC Structural Steel and Bolting Special Inspector ICC Spray Applied Fire Proofing Special Inspector ICC California Commercial Building Inspector ICC Structural Masonry Special Inspector ICC Soils Special Inspector ICC Reinforced Concrete L.A. County Concrete Special Inspector ACI Field Technician – Grade I Nuclear Density Gauge
MATERIALS TESTING	**Phillip Stephens**		Geocon West Inc. 41571 Corning Place, Suite 101 Murrieta, California 92562 Phone: (909) 894-2175	**10**	ACI Strength Testing of Concrete ACI Field Testing of Concrete ACI Base Testing ACI Agg 1 & 2 ACI Laboratory 1 & 2 CT: 105, 106, 125, 201, 202, 205, 216, 217, 226, 227, 229, 504, 518, 521, 533, 539, 540, 556, 557

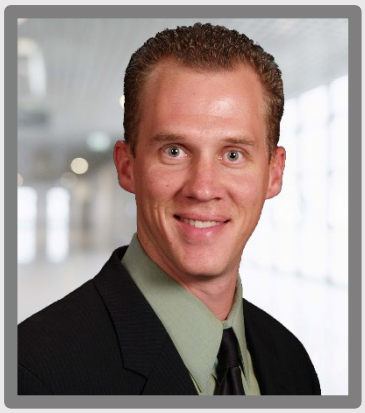
ENVIRONMENTAL ENGINEERING	**Michelle Tollett** BA, ISA	B.A., Botany and Environmental Science, University of Montana, Missoula, MT, 2000	UltraSystems (DBE) 16431 Scientific Way Irvine, CA 92618 Phone: (949) 788-4900	**20**	Certified Arborist (WE-12103-A) CRAM Vernal Pools (2017). CRAM Instructor-in-Training (2017). Certified Caulerpa taxifolia Surveyor, NMFS (2013/2014). Southwestern Willow Flycatcher (2013). Western Pond Turtle Workshop, Elkhorn Slough Coastal Training (2012). Sea and Sage Audubon Society, Advanced Bird Identification Courses (2012). CDFW Flat-tailed Horned Lizard Training (2012). California Rapid Assessment Method (CRAM) (2012, 2017). CDFW Scientific Collection Permit, SCP#8526. Wetland Regional Field Training, Wetland Training Institute, Certificate (2011). The Desert Tortoise Council, Workshop (2011). 24-hour HazComm Hazardous Materials Training (2004).
CONSTRUCTION SURVEYING PROJECT MANAGER	**Ron Musser, P.L.S.**	University of California, Riverside	TKE Engineering, Inc. 2305 Chicago Ave Riverside, CA 92507 Phone: (951)680.0440	**50**	PLS License Number 4230 (Ca)
CONSTRUCTION SURVEYING FIELD PARTY CHIEF	**Brett Enscoe**	High School Diploma	TKE Engineering, Inc. 2305 Chicago Ave Riverside, CA 92507 Phone: (951)680.0440	**14**	Mr. Enscoe serves as Surveying Party Chief under the direction and Supervision of Ron Musser, P.L.S., Construction Surveying Project Manager

c) STATEMENT OF AVAILABILITY

Our team certifies that key personnel will be available to the extent proposed or as requested by the District for the duration of the project and that no person designated as key personnel shall be removed or replaced without the prior written consent of Mission Springs Water District.

d) TEAM RESUMES AND LICENSURE

Full team resumes can be found in the section below.



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

TKE Engineering, Inc.

CONSTRUCTION MANAGER

EDUCATION

BS, Civil Engineering, California State Polytechnic University, Pomona

REGISTRATIONS

P.E. License Number 69984 (CA)
Qualified SWPPP Developer and Practitioner #24329

CERTIFICATIONS

Caltrans SWPPP Certified QSP/QSD

AFFILIATIONS

American Public Works Association
American Council of Engineering Companies of California

Mr. Renner is the Senior Vice President of TKE and has over 21 years of experience in civil engineering design, plan checking, project management and construction management of both development and public works infrastructure projects, including grading improvements, street and transportation improvements, traffic engineering, drainage improvements, water improvements, sewer improvements, facilities improvements and recreation improvements. He currently provides traffic and transportation engineering services to the cities of Fontana, Calimesa, Upland, Wildomar, Highland, and Adelanto. His experience includes services during pre-project planning, design, plan review, construction management and inspection, along with operations and maintenance. He also has experience conducting traffic studies, specialized access analysis, parking studies, signal operations, signal timing, and traffic control. 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.

Through his career, Terry has accumulated extensive experience in the construction management field. He has planned, designed and managed construction for various water, wastewater, recycled water, stormwater facility and improvement projects, more than 30 miles of roadways, street widening, medians, traffic calming, roundabouts, signing and striping modifications, bicycle lanes, and pedestrian facilities for major corridors, arterials, collectors and residential streets.

DETAILED PROJECT EXPERIENCE

- **Manganese Treatment Facility and 0.5 MG Reservoir Project,** *City of Huntington Park, CA* – Mr. Renner was the Project Manager, Design Engineer and Construction Manger 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.
- **CV Sync Construction Management,** *Palm Desert, CA*- Mr. Renner serves as the Construction Manager in charge of oversight of all aspects for Phase 1 of the CV Sync project (Formerly CVAG TSSP). This work involves plan review, management and approval of construction scheduling, budget, field work, local agency procedures and more.

This project involves coordination and support across twelve agencies in the Coachella Valley The project improvements include advanced traffic management systems (ATMS), advanced transportation controllers (ATC), selected Intelligent Transportation System (ITS) elements, ITS sub-systems, and Ethernet/IP-based communications that will be expandable and scalable for future integration of ITS technologies and strategies, such as Integrated Corridor Management (ICM), Smart Cities, Connected and Autonomous Vehicles, a Regional Traffic Management Center (RTMC) and local Traffic Operation Centers (TOC).

- **Presley Estates Sewer Analysis and Improvements,** *City of Fontana, CA* – Mr. Renner was Construction Manager for this project, located in the City of Fontana south of the Interstate 10 Freeway between Slover Avenue and Santa Ana Avenue in the north-south direction and between Sierra Avenue and Juniper Avenue in the east-west direction. A sewer study was generated for approximately 80 acres. Design and construction engineering services included 5,300 linear feet of proposed 8" vitrified clay pipe sewer improvements were constructed including 88 laterals and septic system abandonments. The project also included the construction of street improvements consisting of asphalt concrete pavement and overlay. TKE's project services included land surveying, preparation of improvement plans, specifications and estimates, construction management, construction staking, inspection and as-built verification.

- **Moreno Valley Amphitheater and Civic Center Park**, *City of Moreno Valley, CA* – Mr. Renner provided construction management services for the Moreno Valley Civic Center Park and Amphitheater Project located South of Alessandro Blvd immediately west of City Hall. The amphitheater is used for regional movie nights, concerts and seasonal special events. The 2.5 acre project included an outdoor amphitheater stage, 400 person arched concrete seating, open space, and a parking lot for approximately 300 vehicles.

- **San Bernardino Avenue/Etiwanda Avenue Force Mains and Lift Station,** *Inland Empire Utilities Agency, City of Fontana, CA* – Mr. Renner was Project and Construction Manager for this project, which provided construction of 8,400 linear feet of 24-inch and 30-inch side-by-side ductile iron force mains to provide up to 25 MGD of wastewater conveyance from the proposed lift station on San Bernardino Avenue to IEUA's Regional Plant No. 4. The project also included dual 5-inch conduit system and precast concrete vaults for communications and electrical purposes and a bore and jacking underneath the San Sevaine Channel along with several major utility crossings. The lift station included 3 above ground vertical turbine pumps, wet well, MCC control room and operational building. Upon completion, TKE prepared a Start Up Plan and Standard Operating Plan for the Lift Station, Gravity Sewer and Force Mains.

- **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 Manger 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.

- **San Bernardino Avenue Trunk Sewer,** *City of Fontana, CA* - Mr. Renner provided Construction Administration services for the San Bernardino Avenue Trunk Sewer and assisted with project and construction management, coordination with stakeholders and agencies, flow generation calculations, model preparation, flow monitoring analysis, cost estimating and report preparation for the San Bernardino Avenue Trunk Sewer System, an area encompassing approximately 9,400 acres covering the majority of the San Sevaine redevelopment project area. The study limits were State Route 210 to the north, Maple Avenue to the east, San Bernardino Avenue to the south and East Avenue to the west. The trunk sewer construction included 22,000 linear feet of 42" and smaller diameter lined RCP and VCP sewer pipe, two siphon structures, interconnections with gated manholes to major sewer crossings and residential and commercial laterals.

- **Mead Valley Community Center***, Riverside County, CA* – Mr. Renner provided civil design and construction management services including hydraulics, hydrology, WQMP preparation, SWPPP preparation, grading, drainage, sewer, water, and street improvements for the Riverside County Economic Development Agency (Agency) owned Mead Valley Community (MVCC) Center, a 5.4 acre site located on Rider Street, approximately 0.1 mile east of the intersection of Clark Street and Rider Street. The site is currently operated by Family Service Association (FSA) and provides a significant amount of beneficial services to the Mead Valley community, including medical and dental services, child care and teaching services, as well as the more traditional recreational and community room services provided at community centers. Additionally, the Mead Valley Municipal Advisory Committee (MAC) has a stake in the property through the senior room providing services for seniors in the area.

- **Stuart Avenue Storm Drain Improvements,** *City of Redlands Public Works Department, City of Redlands, CA*- Mr. Renner performed project management, design, and construction administration services for approximately 4,500 linear feet of RCP storm drain pipeline ranging from 18-inch diameter to 120-inch diameter and 700 linear feet of waterline improvements within Caltrans right-of-way. The inspection included storm drain installation, including manholes, junction structures, catch basins and connection to existing open channel.

RENNER, TERRY MICHAEL
LICENSE NUMBER: 69984 LICENSE TYPE: CIVIL ENGINEER
LICENSE STATUS: CLEAR EXPIRATION DATE: SEPTEMBER 30, 2022
SECONDARY STATUS: N/A
CITY: RIVERSIDE STATE: CALIFORNIA COUNTY: RIVERSIDE ZIP: 92507

TKE ENGINEERING, INC.

STEVEN LEDBETTER, P.E.

TKE Engineering, Inc.

PRINCIPAL IN CHARGE

EDUCATION

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

REGISTRATIONS

P.E. License Number 84044 (CA)

AFFILIATIONS

Riverside-San Bernardino Counties Branch, American Society of Civil Engineers

American Public Works Association

American Council of Engineering Companies of California

Mr. Ledbetter has over 19 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 specification in the stipulated time with quality. He has a well-rounded background 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, Desert Hot Springs, 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.

- **Well 42 Design and Construction**, *Desert Hot Springs, CA* - Mr. Ledbetter is providing project and construction management services for the design and construction of Well 42. The project includes the preparation of plans, specifications, and estimates, and provided construction management and inspection services for the construction of a new potable water production well capable of flowrates up to 2,000 gpm in the City of Desert Hot Springs. The new production well will replace an existing production well that was placed on standby due to uranium contamination. The project includes well drilling and development, equipping the well, well building, and drainage and site improvements. The project is funded, in part, by a Proposition 84 Integrated Regional Water Management grant. Services include grant administration, records research, coordination with agencies and consultants, cost estimating, environmental coordination, permitting,

bidding, construction management, construction staking, and inspection.

- **Well 33 Solar Project**, *Mission Springs Water District, CA* – Mr. Ledbetter provided project and construction management services for the development and construction of a 1.0 megawatt solar photovoltaic system in the City of Desert Hot Springs. When complete, the project will offset approximately 25-percent of the District's energy consumption. In addition, Mr. Ledbetter assisted with the preparation of a grant application for the District through AQMD, a regional governmental agency responsible for meeting air quality health standards. The District was successful in achieving $3.3 million in funding for the renewable energy project. TKE provided the following services: grant preparation and administration, funding and consultant agreement preparation, preparation of bid documents, design-build contractor procurement, design review, SCE interconnection coordination, construction administration, and coordination with District staff and Board, consultants, funding agencies, and public.

- **Regional Conveyance Trunk Sewer***, Mission Springs Water District, Desert Hot Springs, CA* - Mr. Ledbetter is the project manager overseeing the completion of a preliminary engineering analysis evaluating potential service areas, trunk sewer alignments, wastewater flow rates, lift station capacity analysis, and other preliminary design criteria needed to identify the preferred alignment of the Regional Conveyance Trunk Sewer and potential flow diversions to the West Valley Water Reclamation Facility (WVWRF). TKE is also responsible for final design and contract documents for the preferred Regional Conveyance Trunk Sewer alignment from the intersection of Dillon Road and Avenida Manzana to the WVWRF. The project includes coordination with developers, other agencies, Regional Water Quality Control Board, and other consultants. Services include Preliminary Engineering, Opinion of Probable Cost, Planning System Alternatives, Sewer Hydraulic Modeling Analysis, Design, Topographic Surveying, and Preparation of Plans, Specifications, and Estimates.

- **I-15 Sewer Lift Station and Water Booster Station**, *City of Hesperia, CA* - Mr. Ledbetter was the Project Manager for the I-15 Sewer Lift Station and Water Booster Station project. This project consists of the design and construction of a sewer lift station and water booster station to provide service to developments along the I-15 freeway corridor. Through a phased approach, TKE first developed a sewer and water feasibility study to serve the area; followed by preparing the design and contract documents for sewer conveyance, and water distribution and transmission systems; and is now preparing the design and contract documents for the lift station and booster station. The lift station includes two 25 HP VFD submersible impeller pumps, wet well, piping, valves, manholes, electrical, motor control center and electrical building, and associated site improvements. The separate booster station, located at an existing reservoir site, includes three 250 HP VFD pumps, two 50 HP VFD pumps, one 20 HP pump, hydro-pneumatic system, piping, valves, electrical, prefabricated building, emergency generator (600 kW), and associated site improvements.

- **Horton Wastewater Treatment Plant Odor Control**, *Mission Springs Water District, Desert Hot Springs, CA* - Mr. Ledbetter is the project manager for the preparation of plans, specifications, and estimates for the construction of an odor control system for the District's existing

Horton Wastewater Treatment Plant. The proposed vapor phase odor control system will service the influent pump station and headworks facilities. The project will significantly reduce odor emissions to neighboring residential developments. The project includes coordination with the Regional Water Quality Control Board, Air Quality Management District, other agencies, vendors, and consultants. Services include records research, coordination with agencies, vendors, and consultants, design, cost estimating, technical and benefit cost analysis, regulatory agency coordination, permitting, bidding, construction management, construction staking, and inspection.

- **42nd Street and Tilton Avenue Sewer Design**, *Rubidoux Community Services District, CA* – Mr. Ledbetter served as design engineer and assistant construction manager for this project, preparing design and construction documents for 2,100 linear feet of 15" vitrified clay pipe sewer improvements with 35 laterals and septic system abandonments. The project also included the construction of street improvements consisting of asphalt concrete pavement, overlay, and signing and striping. TKE's project services included land surveying, preparation of improvement plans, specifications and estimates, construction management, construction staking, inspection and as-built verification.

- **Presley Estates Sewer Analysis and Improvements**, *City of Fontana, CA* – Mr. Ledbetter was the design engineer and assistant construction manager for this project, which included a sewer study for approximately 80 acres, design and construction engineering services for 5,300 linear feet of 8" vitrified clay pipe sewer improvements with 88 laterals and septic system abandonments. The project also included the construction of street improvements consisting of asphalt concrete pavement and overlay. TKE's project services included land surveying, preparation of improvement plans, specifications and estimates, construction management, construction staking, inspection and as-built verification.

- **Willow Hole Monitoring Wells,** *Desert Hot Springs, CA* - Mr. Ledbetter is provided project and construction management services for the design and construction of two new groundwater monitoring wells in the City of Desert Hot Springs. The new monitoring wells were part of a cooperative project with the Coachella Valley Conservation Commission (CVCC) in order to develop a more comprehensive understanding of groundwater depth and its relation to mesquite hummocks health in the Willow Hole Conservation Area. The project included well siting, well drilling and development, site improvements, monitoring equipment testing and deployment, and groundwater level monitoring. The project was funded, in part, by a Proposition 1 grant. Services include preparation of a grant application, grant administration, records research, coordination with agencies and consultants, well siting, cost estimating, environmental coordination, cultural resource monitoring, permitting, bidding, construction management, construction staking, inspection, monitoring, report preparation, and project closeout.

LEDBETTER, STEVEN WALTER
LICENSE NUMBER: 84044 **LICENSE TYPE:** CIVIL ENGINEER
LICENSE STATUS: CLEAR **EXPIRATION DATE:** SEPTEMBER 30, 2023
SECONDARY STATUS: N/A
CITY: RIVERSIDE **STATE:** CALIFORNIA **COUNTY:** RIVERSIDE **ZIP:** 92507

LUCAS RATHE, P.E., QSD, CCM

Anser Advisory

RESIDENT ENGINEER

Regional Water Reclamation Facility[1]

EDUCATION

Bachelor of Science, Civil Engineering, University of Pittsburgh, Pittsburgh, PA

Bachelor of Arts, Mathematics, Seton Hill University, Greensburg, PA

REGISTRATIONS

Professional Civil Engineer (PE) No. 76273

CERTIFICATIONS

Qualified SWPPP Developer/Practitioner (QSD) No. 21590

Certified Construction Manager (CCM) No. 4284

Mr. Rathe is a construction management professional with over 14 years of experience in the construction of municipal recycled water infrastructure projects. Mr. Rathe provides high quality construction management practices, and has worked on nearly every aspect of the construction sequence: design reviews, project safety plans, contract management, change resolution, field inspection (structural, mechanical and electrical), quality assurance/quality control, commissioning, and closeout.

DETAILED PROJECT EXPERIENCE

- **County of San Diego, Rancho San Diego Pump Station,** *San Diego, CA* – As resident engineer, Lucas oversaw all aspects of the construction of the 1MGD Pump Station including, site grading, Asphalt Concrete pavement, horizontal chopper pump installation, MCC and Switchgear installation, mechanical piping, commissioning and testing. Lucas administered the contract under the San Diego County Resident Engineer manual and was responsible for all aspects of job progress, safety, quality, punchlist, and job reporting. Lucas oversaw a group of inspectors and coordinated material testing and site survey utilizing the County's forces.
- **Poseidon Resources, Carlsbad Desalination Project,** *Carlsbad, CA* – Mr. Rathe led a team of design engineers, field superintendents, and construction labor throughout the design and construction of the 100 MGD intake pump station. During the design phase, the team was able to reduce initial construction costs by $150,000 by value engineering the structure and challenging design assumptions. The team worked injury free and exceeded the project critical path method (CPM) schedule. Construction management decisions included the sequencing of work schedule, operation reviews to improve costs, specification reviews for quality and constructability, installation of 90-by-90-by-50 foot sheet pile shoring system, subcontractor coordination, and oversight of the design and construction of a 250-foot by 72-inch jack and bore pipeline. Mr. Rathe also designed temporary construction devices (concrete formwork and falsework) and installed concrete structures, mechanical FRP piping, and 5kv vertical turbine pumps.
- **Eastern Municipal Water District, Perris Valley Regional Water Reclamation Facility,** *Perris, CA* – As the project engineer and field superintendent, Mr. Rathe inspected structural, mechanical, and electrical work on multiple systems in the wastewater treatment process focusing on safety, schedule, quality and cost. Such systems included pump stations, headworks and grit facilities, clarifiers, electrical buildings, solids handling facilities, digesters, and clarifiers. He also was responsible for the oversight of pre-commissioning activities which included mechanical equipment checkout and alignment, electrical loop checks, instrumentation and equipment troubleshooting, valve operation, and SCADA verification. Mr. Rathe's mechanical and electrical checkout inspections took place on pumps (centrifugal, submersible, vertical turbine, progressive cavity, chemical metering, chopper), blowers, HVAC units, fans, clarifiers, 12kv NG generators, VFDs, 480V MCCs, switchgears, DC battery backups, valves,

flow meters, boilers, and air Compressors. Mr. Rathe was also in charge of maintaining day to day project controls such as preparing and reviewing submittals to the client, pricing change orders, asking and responding to requests to information (RFIs), reviewing project CPM schedules, and monthly progress payments.

- **Riverside County Transportation Department, Newport Road Utility Relocation,** *Riverside County, CA* – Mr. Rathe was in charge of overseeing the relocation of seven local utility service lines in preparation of a future grade separation project. During the initial design phase, he reviewed that the utility's proposed relocation plans did not interfere with current and future project structures or drainage systems. He also processed and reviewed Caltrans and local encroachment permits. After the approved design, Mr. Rathe put together a plan and schedule for the sequencing of the utilities. He reduced project schedule time by identifying which utilities could work simultaneously due to their traffic control plans. He inspected the installation of the utilities to ensure that they were installed at the correct location as to not interfere with the future structures, while also inspecting traffic control setup according to the approved plans, monitoring project SWPPP compliance, and aiding in community notification efforts and project record keeping.

RATHE, LUCAS JUSTIN
LICENSE NUMBER: 76273 **LICENSE TYPE:** CIVIL ENGINEER
LICENSE STATUS: CLEAR **EXPIRATION DATE:** JUNE 30, 2022
SECONDARY STATUS: N/A
CITY: CHULA VISTA **STATE:** CALIFORNIA **COUNTY:** SAN DIEGO **ZIP:** 91914

VALERIE WOLLET, P.E., CCM

Anser Advisory

ASSISTANT RESIDENT ENGINEER

Regional Water Reclamation Facility[1]

EDUCATION

Bachelor of Science, Civil Engineering, University of Toledo, Toledo, Ohio

REGISTRATIONS

Registered Professional Engineer (OH)

CERTIFICATIONS

Certified Construction Manager (CMAA)

OSHA 10-Hour Construction & Safety Health

Confined Space Entry

Fall Protection

Ms. Wollet has over 15 years of extensive experience in the engineering and construction industry. Currently, she is the Construction Manager for multiple projects at the Hap Cremean Water Plant, under the City of Columbus Division of Water Capital Improvement program. Ms. Wollet is knowledgeable in the preparation of construction cost estimates, contract writing, environmental compliance, community outreach, submittal review, change order development and evaluation, construction claims analysis, management of field personnel, construction project documentation and inspection, construction pay application processing, project controls, equipment startup and commissioning, and project closeout.

DETAILED PROJECT EXPERIENCE

- **City of Columbus, Hap Cremean Water Plant Standby Power,** *Columbus, OH* – Construction Manager for installation of three new generators, a new switchgear enclosure, new concrete encased duct bank, and the construction of a fuel offloading area with an underground trench drainage system that is tied to an underground storage tank. Responsible for construction management, contract change management, claims analysis, cost and schedule analysis, project controls, personnel management, and coordination with plant operations and other construction on the site.
- **City of Columbus, Hap Cremean Water Plant UV Disinfection,** *Columbus, OH* – Construction Manager for demolition and construction of existing filter effluent pipework and in-line valves of 24 existing filters, construction of UV disinfection equipment system and associated electrical equipment, installation of turbidimeters and controllers, demolition of existing HVAC and dehumidification equipment and construction of sample water system. Responsible for construction management, contract change management, claims analysis, cost and schedule analysis, project controls, personnel management, and coordination with plant operations and other construction on the site.
- **City of Columbus, Alum Creek Pump Station Miscellaneous Improvements Contract 2192,** *Columbus, OH* – Construction Manager for the upgrade of the gates and valves at the pump station, along with other miscellaneous facility upgrades. The pump station supplies water from the Alum Creek Reservoir to the Hap Cremean Water Plant via Hoover Reservoir. This project involved much detailed coordination between the City of Columbus, Del-Co, and the Army Corps of Engineers. Responsible for construction management, contract change management, claims analysis, cost and schedule analysis, project controls, management of field personnel, stakeholder coordination, and project closeout.
- **City of Columbus, Alum Creek Pump Station Improvements Contract 1174,** *Columbus, OH* – Construction Manager for the upgrade of the pumps and ancillary equipment for the pump station that supplies water from the Alum Creek Reservoir to the Hap Cremean

First Aid CPR AED

AFFILIATIONS

Construction Management Association of America

Water Plant via Hoover Reservoir. This project involved much detailed coordination between the City of Columbus, Del-Co, and the Army Corps of Engineers. Responsible for construction management, project controls, and project closeout.

- **City of Columbus, Hap Cremean Water Plant Improvements Contract 1151,** *Columbus, OH* – Construction Manager for the construction of ozonation facilities. Responsible for construction management, contract change management, claims analysis, cost analysis, project controls, and contract closeout.
- **City of Columbus, Dublin Road Water Plant Capacity Increase, Ion Exchange and Plant Reliability Upgrades,** *Columbus, OH* – Construction Manager for Ion Exchange facility construction and miscellaneous plant upgrades. Responsible for construction management, contract change management, claims analysis, cost a analysis, and project controls.
- **City of Columbus, Dublin Road Water Plant Capacity Increase, Recarbonation and Ozonation Facilities and Basin 4 Modifications,** *Columbus, OH* – Construction Manager for the construction of ozonation facilities at the Dublin Road Water Plant. Responsible for project controls and construction contract closeout.
- **City of Columbus, Dublin Road Water Plant Capacity Increase, Filter Rehabilitation I&C Backbone,** *Columbus, OH* – Construction Manager for filter rehabilitation and instrumentation and controls revisions. Responsible for project controls and construction contract closeout.
- **City of Columbus, Blacklick Creek Sanitary Interceptor Sewer Tunnel,** *Columbus, OH* – Project Manager for construction of approximately 23,000 linear feet of 10-foot diameter concrete segment tunnel along Reynoldsburg-New Albany Road between Blacklick Ridge Boulevard and Morse Road. Responsible for contract change management, claims analysis services and environmental compliance. At a previous employer, worked on feasibility studies, geotechnical investigations, and development of geotechnical baseline report.
- **City of Columbus, OSIS Augmentation Relief Sewer, Phase 2 Construction,** *Columbus, OH* – Assistant Resident Engineer/Lead Inspector for Civil Works for excavation and construction of three shafts (approx. 200-foot depths) with hydraulic tunnel drop structures, three hand mined consolidation sewers, flow diversion structures, a river overflow structure, pump electrical building, and other surface work. Managed field personnel, coordinated instruction of owner's personnel, project startup, and project closeout.
- **City of Columbus, OSIS Augmentation Relief Sewer Phase 1 Construction,** *Columbus, OH* – Field Engineer for excavation of 20-foot inside diameter hard rock tunnel with a total length of 4.4 miles. The gasketed precast concrete segmental lined tunnel is approximately 170 feet below the surface. This Phase included construction of three vertical shafts and a pump station. Responsibilities included field engineer, project controls, construction claims analysis.

KENNETH BARKER, CMIT

Anser Advisory

LEAD INSPECTOR

Regional Water Reclamation Facility[1]

EDUCATION

Bachelor of Science, Construction Engineering Technology, University of Akron, Akron, Ohio

CERTIFICATIONS

Construction Manager in Training (CMAA)

ACI Concrete Field-Testing Technician, Level I

OIAMA Aggregate Technician, Level I

OSHA 30-Hour Construction & Safety Health Certification

OSHA Confined Spaces

AHA First Aid-CPR

AFFILIATIONS

Construction Management Association of America

Mr. Barker began his career in 2014 where he furthered his education with field experience in project management and construction inspection. His experience has entailed the oversight and direct management of residential projects, including the hiring of subcontractors, material management, individual project budgeting, creation and management of detailed scheduling for simultaneous projects across multiple locations. He is knowledgeable in the construction software of Primavera-Contract Manager, Sharepoint, P6 Scheduling Software, and Build-A-Form. Mr. Barker works as a team with the owner and contractor to keep projects on schedule to reach desired deadlines, and to continue moving the project towards the scheduled completion date.

DETAILED PROJECT EXPERIENCE

- **City of Kent, Miller/Harvey/Steele Water and Storm Replacement**, *Kent, OH,* - Project Inspector for the replacement of storm sewers and water mains including service connections and roadway resurfacing with driveway apron and sidewalk replacement on Miller Ave., Steele St., and Harvey St.
- **County of Summit, Upper Tuscarawas Wastewater Treatment Plant No. 36 RBC Replacement Project,** *Springfield Township, OH* – Project Inspector for upgrades to an existing facility to include a new Biological Nutrient Removal (BNR) process, new secondary clarifiers, an operations building, scum concentrator, flow metering vault, waste receiving station, RBC demolition and modifying RBC building for storage, site improvements, and asphalt paving.
- **City of Akron, Sanitary Sewer Reconstruction 2015**, *Akron, OH* – Project Inspector for $12M CMAR project that involved the repairing, cleaning, and CCTV of over 300 assets at different locations throughout the City of Akron.
- **City of Akron, Mud Run Pump Station and Storage Basin,** *Akron, OH* – Project Inspector for rehabilitation, upgrade, and expansion of an existing pump station, including the construction of a 1.4 MG overflow storage basin.
- **City of Akron, Main Outfall Sewer Cap Rehabilitation,** *Akron, OH* – Project Inspector for rehabilitation of approximately 7,800 LF of 90"x144" above ground combined sewer and a 250-foot sewer bridge with piers built in the 1920s. Work included augercast piles, concrete and shotcrete placement, and steel inspection.
- **Medina County Sanitary Engineers, Fenn Road and Pearl Road Waterline Relocation,** *Medina, OH* – Project Inspector for relocation of 4,700 LF of 12" PVC water main and 2,020 LF of 24" ductile iron water main. This project also included new hydrants, valves, water services and 7 water main tie- ins.

JEFF LANTOSH

TKE Engineering, Inc.

INSPECTION SUPPORT

Regional Water Reclamation Facility[1]

EDUCATION

South West Calibration and Training, San Bernardino, CA

CERTIFICATIONS

ICC - Special Inspector, Soils, Structural Masonry, Reinforced Concrete, and Prestressed Concrete
American Concrete Institute - Certification Staff

AFFILIATIONS

American Concrete Institute - Certification Board

Mr. Lantosh has over 12 years of inspection experience with the providing public works inspection services. Mr. Lantosh has provided inspection services to several municipalities throughout Southern California. He has completed project inspection services for the cities of Fontana, Riverside, Moreno Valley, Highland, Calimesa, Riverside Transit Agency, and the County of San Bernardino. Mr. Lantosh's background in public works inspection and oversight provide him with an extensive knowledge of ASTM specifications and OSHA standards. Additionally, Mr. Lantosh has provided coordination with other project professional services including geotechnical and survey. Mr. Lantosh 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. Lantosh 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 lists.

DETAILED PROJECT EXPERIENCE

- **Valencia Water Reclamation Plant, Advanced Water Treatment Facility**, *Santa Clarita Valley Sanitation District* – Mr. Lantosh supervised project inspectors during construction of the new $87,000,000 Advanced Water Treatment Facility. This project featured the construction of microfiltration and nanofiltration systems, along with an enhanced membrane. An ultraviolet light disinfection system was constructed, limiting the amount of harsh treatment chemicals required to treat wastewater, while reducing the amount of brine needing to be removed from the site. This project featured various structures which include but are not limited to: holding tanks, ductile iron pipe network, pump stations, electrical substation, and maintenance/equipment facility.

- **Rapid Infiltration Expansion (RIX) Project,** *San Bernardino Municipal Water Department* – Mr. Lantosh served as lead inspector throughout construction of this $5,700,000 project. This project consisted of refitting three test wells into production wells and constructing one new well. It included electrical and control systems, a power control center building, installation of pumps, motors, variable frequency drives, and lightning protection system. The production wells provide supplemental water when needed to maintain a minimum flow in the Santa Ana River for the Santa Ana Sucker Fish, which is considered to be a threatened species. During treatment plant shutdowns, the tertiary-treated water flow ceases, requiring a backup water source. The project included approximately 3,800 linear feet of 12-to-30-inch diameter steel pipe, and 4 pumps capable of supplying a combined 8,100 gallons per minute of water. The area is designated as being Environmentally Sensitive. Special care was exercised throughout construction to minimize environmental impact, per the contract documents.

- **Orange County Sanitation District, Plant #2 De-Watering and Odor Control,** *Orange County Sanitation District* – Mr. Lantosh served as project inspector and supervisor for this $49,900,000 project. This water treatment project included various utilities (above and below ground) along with a

new centrifuge building with (5) dewatering centrifuges. A bridge crane, ductwork, sump pumps, feed pumps, centrate pumps, and wet well were built inside the new building. A new electrical power distribution building was constructed. This project reduced biosolid handling and disposal, replacing older systems that had reached the end of their service life.

- **Pavement Accelerated Repair Implementation Strategy (PARIS) Program,** *City of Redlands* - Mr. Lantosh performed observation and testing on over 400 miles of roads throughout the City. This project entailed grinding and recycling existing pavement, creating a new base layer for asphalt. The City of Redlands features unique challenges, as the soil varies from silty sands on its north side to clayey material to the south. With this, the City heavily relied on field recommendations to ensure a firm and unyielding section to place asphalt. Some recommendations included cement treated soils and/or the use of geogrid. Good faith effort was used to provide value engineering to the City. This project changed the City's pavement rating from one of the lowest to one of the highest in the state.

- **Magnolia Ave. Grade Separations**, *City of Riverside Public Works, CA* – Mr. Lantosh performed observation and testing of reinforced concrete, structural masonry, and soils/earthwork. This project lowered Magnolia Avenue under the Union Pacific Railroad tracks in Magnolia Center. A two track railroad bridge was constructed over Magnolia Ave. As a main arterial for the City, Magnolia Ave. had to remain open at all times to allow first responders to pass through. Railroad operations could not be shut down either, so a shoofly was constructed as well. This project shifted the alignment of Magnolia Ave. and Beatty Drive was widened between Brockton Ave. and De Anza Ave. Traffic signals were installed at the intersections of Beatty Dr., Brockton, Magnolia, and De Anza Avenues. Additionally, Merrill Ave. east and west of Magnolia Ave. was converted to a right turn in/out to facilitate traffic flow. The project required relocation of water and electric facilities maintained by the City of Riverside Public Utilities Department, communication lines owned by AT&T and Charter, gas lines, and relocation of over 6300 feet of sewer line to redirect sewer flows around the grade separation.

- **Frederick St. Street Improvements,** *City of Moreno Valley Public Works* **-** Mr. Lantosh performed observation and testing on various soils, concrete, and asphalt work. This project consisted of removal and replacement of cross-gutters, spandrels, and ADA ramps along Frederick St., from Sunnymead Ave. to Cactus Ave. Once soils and concrete work were finished, Frederick St. was grinded and repaved with a new asphalt finish course. I worked closely with the City's Public Works Department to ensure that work being performed was in compliance with the project plans and specifications. As a main arterial and location for City Hall, this was considered to be a high-profile project. As such, it was important to maintain good relations between the City, its staff, and its residents at all times.

- **Mountain View/Mission Creek Bridge Replacement,** *Inland Valley Development Agency* - Mr. Lantosh oversaw Inspectors and Technicians that were performing observation and testing of soils/earthwork, structural masonry, and reinforced/prestressed concrete. This project included demolition and replacement of the existing two-lane bridge at Mission Creek. The bridge was dated and not capable of handling the large influx of trucks coming in and out of new warehouses and San Bernardino International Airport. A new four-lane bridge was constructed and Mountain View Ave. was widened from Mission Creek to the Santa Ana

River Bridge. The project location presented challenges in the form of groundwater. New curb and gutter and sidewalk was constructed on the west side of Mountain View Ave., with new traffic intersections and signals at Victoria/San Bernardino Ave. This project also included realigning the access roads to the Mountain View Generating Station and Mission Creek. Reinforced concrete wing walls, channel walls, and cut-off walls were constructed to strengthen Mission Creek. Lastly, Mountain View Ave. was resurfaced with new asphalt from the Santa Ana River to Coulston St. High demand for its construction required a fast-paced schedule. Good communication between all parties served a critical role in delivering it on time.

- **13th St. and Ave. D Low Water Crossings,** *City of Yucaipa* - Mr. Lantosh oversaw Inspectors and Technicians that were performing observation and testing of soils/earthwork, structural masonry, and reinforced concrete. This project included the construction of two new low water crossings over Wilson Creek. Prior to construction, 13th St. and Ave D were prone to flooding during significant rain events. The new crossings required the raising elevations of both streets, with storm drain structures built into the new channel walls. The channel invert bottom/subgrade had to be over-excavated and replaced with compacted fill. The contractor constructed a reinforced concrete channel invert, as well as wing walls and channel walls. Due to the nature of the work, the possibility of flooding was present throughout their construction. Good coordination between the City, County of San Bernardino Flood Control, and the Contractor allowed these projects to succeed, with minimal impacts on their schedule.

ROBERT DOSS, P.E.

RESIDENT ENGINEER
Regional Conveyance Trunk Sewer[2]
RESIDENT ENGINEER
GQPP Area M2 Collection System[3]

EDUCATION

Arizona State University, Arizona
B.S. in Civil Engineering
M.B.A. in Management

Arizona State University-Tempe - Menifee, CA
Master's in Management

Caltrans Resident Engineer Academy

Caltrans Office Engineers Academy

Mr. Doss has over 37 years of experience as a Professional Engineer including 18 years in the public sector in the following roles: Public Works Director, City Engineer, Resident Engineer, Traffic Engineer, Construction Management Director, Engineering Manager, Project Manager, and Inspector. His experience includes every facet of the successful implementation and delivery of Capital Improvement Projects from conception to completion, including drafting proposals, review and scoring of submittals, supervising consultants, overseeing PS&E preparation, preparation of bid packages, permit acquisition, and assisting in the advertising and bidding process.

Additional supportive capabilities include change order analysis, administrative management, quality control management, team building/motivation, cost estimating, knowledge of scheduling software, administrative organization, cost management, planning strategies, and team resource management.

PROJECT EXPERIENCE

- **City of Coachella, CA** – Interim City Engineer
- **City of Temecula, CA** - Project Manager
- **City of Irvine, CA** - Construction Manager
- **City of Laguna Beach, CA** - Construction Manager
- **Long Beach Transit Company** - Facilities Engineer
- **San Diego Association of Governments (SANDAG)** - Resident Engineer
- **US General Services Administration (GSA)** - Construction Manager
- **City of Stanton, CA** - Director of Public Works and City Engineer
- **State of California Transportation, Santa Ana, CA** - Resident Engineer
- **City of Peoria, AZ** - Director of Public Works and City Engineer
- **City of Phoenix, AZ** - Traffic Engineer III

DETAILED PROJECT EXPERIENCE

- **Interim City Engineer,** *City of Coachella,, CA,* Mr. Doss provided staff augmentation as a temporary City Engineer responsible for overseeing, directing, and participating in the engineering functions of the City including short- and long-term Capital Improvement Program (CIP) planning, development and administration of Federal, State, and local funds for capital improvements and expansions, and providing professional-level support to assigned management staff in a variety of areas. Responsibilities include performing and directing many of the department's day-to-day administrative functions, developing construction documents, and managing construction of the 2020

paving program combining a/c paving and slurry seal of several city streets.

- **Construction Manager,** *Various Cities, CA,* - As Construction Manager, Robert was responsible for managing construction of Civil Engineering projects for the Cities of Laguna Beach, Temecula, Villa Park, and Irvine.
- **Facilities Engineer,** *Long Beach Transit Agency, Long Beach, CA.*- As Facilities Engineer, Mr. Doss was responsible for providing engineering services to plan, design, and manage construction services for all maintenance facilities of the Transit Company including over 248 buses and over two thousand bus stops.
- **Resident Engineer**, *San Diego Association of Governments (SANDAG) San Diego, CA.* As Resident Engineer, Robert managed the on-site construction services representing SANDAG and the City of Santee for the construction of a $12 million project to rebuild one mile of a major street. Services included undergrounding all utilities and new landscape improvements. He completed the project while maintaining access to local businesses and residents.
- **Construction Manager,** *US General Services Administration (GSA) Westwood Federal Building, Los Angeles, CA.* - As Construction Manager, Robert managed the onsite construction services and represented the US General Services Administration Region 9 on the new Caltrans flyover ramp at Wilshire Boulevard. This project was part of the Interstate 405 Sepulveda Pass Widening Project and was completed two months ahead of schedule.
- **Public Works Director and City Engineer,** *City of Stanton Public Works Department and Engineering Department, Stanton, CA*. Robert served as Public Works Director and City Engineer for the City of Stanton, where he managed the Public Works Department and Engineering Department for a City with a population of over 40,000. Robert directed personnel, made City Council presentations, interacted with public citizens and controlled a budget of over $12 million annually. In addition, Robert managed the construction of $16 million in capital improvement projects including design, budgeting, and construction.
- **Resident Engineer**, *State of California Transportation, Santa Ana, CA* – Mr. Doss served as Resident Engineer, managing the construction on over $100 million worth of transportation construction projects. Robert's responsibilities included daily coordination with contractors and inspectors on freeway projects throughout Orange County. Robert managed change orders, design revisions and cost projections using Caltrans standards and specifications. Most projects required federal and state funding which involved extensive paperwork and final reports. He completed these projects on time with no construction claims.
- **Project Manager**, *Consultant*, Phoenix, AZ – Robert served as Project Manager, managing the design and construction on over $200 million worth of projects throughout the United States. Robert's responsibilities included leading design teams on projects such as: major streets, subdivisions, commercial developments, industrial complexes, water and sewer works, and drainage projects. These

projects provided exposure to various design challenges and construction techniques in many environmental conditions

KRISTINE MACALMA, E.I.T.

TKE Engineering, Inc.

ASSITANT RESIDENT ENGINEER

Regional Conveyance Trunk Sewer[2]

ASSITANT RESIDENT ENGINEER

GQPP Area M2 Collection System[3]

EDUCATION

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

AFFILIATIONS

Inland Empire, Women in Transportation (WTS)

Riverside-San Bernardino Counties Branch, American Society of Civil Engineers (ASCE)

Ms. Macalma is a Project Manager at TKE and has over 6 years of experience in assisting in engineering drafting and design. Her experience includes transportation improvements, street improvements, utility research, grading plans, construction management assistance, grant preparation, preliminary and final design drawings, specifications and engineer's cost estimates, and water and wastewater facilities including pipelines and water storage reservoirs. Ms. Macalma has been an integral part of projects successfully completed for the City of Calimesa, City of Highland, City of Yucaipa, City of Hesperia, City of Adelanto, City of Fontana, City of Upland, and City of Wildomar.

DETAILED PROJECT EXPERIENCE

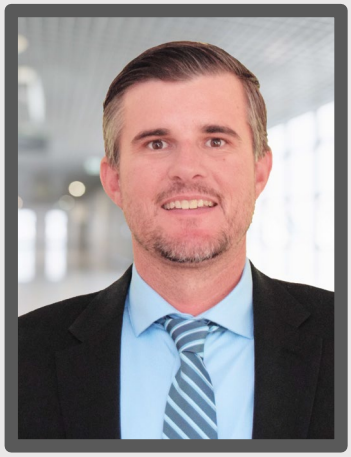
- **On-Call Engineering Services**, *City of Hesperia* – TKE provides on-call civil engineering services to the City, including City Engineer. TKE managed more than $20 million in public improvement projects. Ms. Macalma has been involved in engineering design of street improvement projects, helping to prepare material for grant applications, preliminary cost estimates, and hydrology studies. She was also involved in the City Wastewater Treatment Plant Investigation.
- **Regional Conveyance Trunk Sewer**, *Desert Hot Springs, CA* – Ms. Macalma is the project engineer involved in the completion of a preliminary engineering analysis evaluating potential service areas, trunk sewer alignments, wastewater flow rates, lift station capacity analysis, and other preliminary design criteria needed to identify the preferred alignment of the Regional Conveyance Trunk Sewer and potential flow diversions to the West Valley Water Reclamation Facility (WVWRF). TKE is also responsible for final design and contract documents for the preferred Regional Conveyance Trunk Sewer alignment from the intersection of Dillon Road and Avenida Manzana to the WVWRF. The project includes coordination with developers, other agencies, Regional Water Quality Control Board, and other consultants. Services include Preliminary Engineering, Opinion of Probable Cost, Planning System Alternatives, Sewer Hydraulic Modeling Analysis, Design, Topographic Surveying, and Preparation of Plans, Specifications, and Estimates.
- **Hillview Neighborhood Street and Storm Drain Improvements Project**, *City of Highland, CA* – Ms. Macalma provided assistant construction management services for the City of Highland for street and storm drain improvements project on Hillview Street and Cunningham Street between 9th Street and Base Line in the City of Highland. The project included construction of approximately one mile of pavement rehabilitation; construction of concrete sidewalks, curbs and gutters, cross-gutters, ADA ramps, and driveway approaches; construction of catch basins and storm drains; relocation of 25 power poles and miscellaneous utilities; raising of various utility manholes/valves and installation of traffic signing and striping. Services included CalRecycle Grant coordination, value engineering, right-of-entry acquisition, utility relocation and coordination,

construction management, inspection, and coordination with property owners.

- **Horton Wastewater Treatment Plant Odor Control,** *Desert Hot Springs, CA* **-** Ms. Macalma was the project engineer for the preparation of plans, specifications, and estimates for the construction of an odor control system for the District's existing Horton Wastewater Treatment Plant. The proposed vapor phase odor control system will service the influent pump station and headworks facilities. The project will significantly reduce odor emissions to neighboring residential developments. The project includes coordination with the Regional Water Quality Control Board, Air Quality Management District, other agencies, vendors, and consultants. Services include records research, coordination with agencies, vendors, and consultants, design, cost estimating, technical and benefit cost analysis, regulatory agency coordination, permitting, bidding, construction management, construction staking, and inspection.

- **14th Street Pavement Rehabilitation and Water Improvements**, *City of Upland, CA* – Ms. Macalma performed assistant construction management services for the 14th Street Pavement Rehabilitation and Water Main Replacement Project located in the City of Upland. The project included approximately 3,100 Linear Feet of 8" Water Main Replacement and Pavement Rehabilitation. The project consisted of street pavement rehabilitation and/or reconstruction; removal and replacement of displaced curb and gutter, sidewalk, driveway approaches, and ADA curb ramps; installation of potable water mains with associated appurtenances on 14th Street from Euclid Avenue to Campus Avenue. Services included topographic surveying, design, utility coordination, cost estimating, traffic control preparation, and construction staking.

- **San Bernardino Avenue Treatment Plant Sewer Improvement,** *City of Fontana, CA*– Ms. Macalma was the project engineer for the preparation of plans, specifications, and estimates for the construction of the San Bernardino Avenue Treatment Plant Sewer located in the City of Fontana north of Interstate 10 between Commerce Drive and Mulberry Avenue. The project included approximately 1,100 linear feet of 18-inch vitrified clay sewer pipe, including four sewer diversion manholes, a channel crossing and connection to the existing lift station. The facility construction was required to abandon a privatized treatment plant and divert flows to the San Bernardino Avenue Lift Station which conveys flows to IEUA's Regional Plant No. 4. The project included connection to the existing lift station wet well and required the lift station to modify the high-water level. Services included records research, preliminary engineering design, potholing coordination, hydraulic modeling, permitting, coordination with agencies, bidding services, and construction assistance.



BRAD ENSCOE

TKE Engineering, Inc.

LEAD INSPECTOR
Regional Conveyance Trunk Sewer[2]

CERTIFICATIONS

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 16 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).

DETAILED PROJECT EXPERIENCE

- **On-Call Inspection Services,** *San Bernardino Municipal Water Department, CA* – 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.
- **On-Call Inspection Services**, *City of Calimesa, CA* – Mr. Enscoe is providing on-call inspection services to the City of Calimesa on numerous public and private improvements related to housing tracts and commercial development projects, as well as utility construction projects, and capital improvement projects throughout the City.
- **On-Call Inspection Services**, *City of Menifee, CA* – Mr. Enscoe provided on-call inspection services to the City of Menifee on public and private improvements for more than 90 development project related to housing tracts and commercial development, as well as utility construction projects, and capital improvement projects throughout the City.
- **Park Boulevard Reconstruction**, *County of San Bernardino, CA* – Mr. Enscoe performed construction inspection services for this 1 mile stretch of Park Boulevard from Allta Loma Drive to Twentynine Palms, in Joshua Tree, CA. The project included professional construction inspection of asphalt restoration, improvements to sidewalks, curb ramps, driveways, and bus stops.
- **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.

- **San Bernardino Avenue Median and Traffic Signal Improvements,** *City of Fontana, CA* - Mr. Enscoe performed construction inspection services for installation of a new traffic signal and approximately 300 linear feet of median improvements on San Bernardino Avenue located in the City of Fontana north of Interstate 10 Freeway and East of the Interstate 15 Freeway near Commerce Drive. This project Proposed median and traffic signal improvements were constructed to provide a centralized turning procedure for the Walmart Distribution facility with nearly 1,000 turning movements per day. The project provides for increased vehicular capacity, corridor beautification, and improved traffic and pedestrian safety.
- **5th Street Corridor Improvements Project**, *City of Highland*– Mr. Enscoe performed construction inspection services for installation of a new traffic signal on 5th Street located in the City of Highland west of the Interstate 210 Freeway. The 5th Street Corridor Improvements Project is located on 5th Street from Victoria Avenue to Palm Avenue in the City of Highland. The project includes construction of approximately one mile of pavement rehabilitation, removal and reconstruction of concrete sidewalks, curbs and gutters, cross-gutters, ADA ramps, bus pads and driveway approaches, construction of catch basins and storm drains, installation of a new traffic signal system at the intersection of 5th Street and Central Avenue, relocation of miscellaneous utilities, raising of various utility manholes/valves and installation of traffic signing, striping and loop detectors. Services include value engineering, striping and signal redesign, utility relocation and coordination, construction management, inspection, construction staking and coordination with property owners.
- **Serfas Club Drive and Rancho Corona Drive Traffic Signal Improvements,** *City of Corona, CA* - Mr. Enscoe was the construction inspector for the Serfas Club Drive Traffic Signal Improvements Project located in the City of Corona south of the 91 Freeway on Serfas Club Drive at Rancho Corona Drive. Proposed improvements, included traffic signal installation construction of ADA curb access ramps, retaining walls, striping and repair of private improvements adjacent to the project site.
- **4th Street Community Park**, *City of Calimesa, CA* – Mr. Enscoe provided construction inspection services for the 4th Street Community Park project located in the City of Calimesa on 4th Street south of County Line Road. The project included the construction of a 2.5 acre park with outdoor pavilion, restrooms, storage room, perimeter fencing and walls, two age defined playground facilities, walking trails with fitness stations, large and small breed dog parks and several tranquility gardens.

STEPHEN BISCOTTI

TKE Engineering, Inc.

LEAD INSPECTOR
GQPP Area M2 Collection System[3]

EDUCATION

BA, Arts and Humanities, Colorado State University, CA

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 over 13 years of inspection experience with the last 6 years providing public works construction inspection services. Mr. Biscotti has provided inspection services to several municipalities throughout Southern California. He has completed project inspection services for the Cities of Moreno Valley, Fontana, South El Monte, Riverside, Hemet, Calimesa, Riverside Transit Agency, East Valley Water District and the County of San Bernardino. 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 streets, drainage, utilities, parks and development 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 lists.

DETAILED PROJECT EXPERIENCE

- **On-Call Inspection Services**, *San Bernardino Municipal Water Department, CA* – 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.
- **Jurupa Hills Lift Station,** *Rubidoux Community Services District, CA* – Mr. Biscotti performed construction inspection for the Jurupa Hills Lift Station Replacement which included construction of a new wet well, manhole reconstruction, pumps and a portion of the existing force main. Inspection included daily review of the installation of lift station improvements consisting of VCP pipe, manholes, wet well, pumps, DIP force main, connections to existing sewers, abandonments, asphalt concrete pavement, site protection and clean up.
- **Tilton Avenue Sewer Improvements**, *Rubidoux Community Services District, CA* – Mr. Biscotti performed construction inspection for 2,100 linear feet of 15" vitrified clay pipe sewer improvements with 35 laterals and septic system abandonments. Inspection included daily review of the installation of sewer improvements consisting of VCP pipe, manholes, drop manholes, laterals, connections to existing sewers, abandonments, asphalt concrete pavement, overlay, signing, striping, SWPPP, traffic control, site protection and clean up.
- **Manganese Treatment Facility and 0.5 MG Reservoir Project**, *City of Huntington Park, CA* – Mr. Biscotti performed construction inspection services 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.

- **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.
- **La Praix Sewer Bypass Improvements,** *East Valley Water District, City of Highland, CA*- Mr. Biscotti performed construction inspection services for approximately 300 linear feet of 10" fused SDR sewer pipeline along La Praix Street between Baseline Street and Messina Street. The inspection included sewer main installation, including pipe bedding, manholes, laterals, pavement repair, connection to existing sewer and reconstruction of existing retaining wall.
- **San Bernardino Avenue County Fire Station Sewer Lateral and Septic Tank Abandonment Improvements**, *City of Fontana, CA*- Mr. Biscotti performed inspection services for 100+ linear feet of 6" PVC Sewer Pipe to connect the main within San Bernardino Avenue and removal and abandonment of the two existing septic tanks and leach pits. Inspection included sewer line installation, trench back fill, oversee compaction, paving, and removal and abandonment of the existing septic systems.
- **Ontario Zone 4 Waterline,** *City of Corona, CA* - Mr. Biscotti performed Construction Inspection services for approximately 1,755 LF of 12-inch ductile iron pipe along Ontario Avenue from Kellogg Avenue to Fullerton Avenue and approximately 55 LF of 8-inch ductile iron pipe stub-out connecting to the an existing onsite 8-inch steel pipe at the Crossroads Christian Church property. The water pipelines served with the City of Corona Zone 4 (1220-ft HGL) pressurized system.
- **Baseline Gardens Water Improvement, East Valley Water Department**, *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.

MARVIN LARA, E.I.T.

TKE Engineering, Inc.

OFFICE ENGINEER/LABOR COMPLIANCE

EDUCATION

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

CERTIFICATIONS

Engineer in Training
E.I.T. Number 157100

AFFILIATIONS

Riverside-San Bernardino Counties Branch, American Society of Civil Engineers (ASCE)

Inland Empire, Women In Transportation (WTS)

Cal Poly Pomona Alumni, Society of Hispanic Professional Engineers.

Mr. Lara is an Associate Engineer of TKE and has 5 years of experience in civil engineering infrastructure projects, including transportation improvements, drainage improvements, sewer and water improvements, facilities improvements, recreation improvements, and construction methods. He has managed numerous projects and has delivered projects for the Cities of South El Monte, Highland, Calimesa, El Monte, Fontana, Rialto, Upland, Riverside, Hesperia and Redlands. As a Construction Assistant, Mr. Lara has been responsible for assistance in 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.

DETAILED PROJECT EXPERIENCE

- **Construction of 120,000 Gallon Reservoir for Holly Drive, San Antonio Water Company**, *San Antonio Heights, CA* - Mr. Lara is currently assisting in performing construction management services for the construction of the new 120,000-gallon tank located on a private road North of the Northern end of Holly Drive in the city of San Antonio Heights. The project includes construction management, submittals and RFI's review, project team coordination, change order review and progress payment review/approval.
- **Moreno Valley Amphitheater,** *City of Moreno Valley, CA* - Mr. Lara is currently assisting in performing construction management services for the construction of the new Moreno Valley Amphitheater located near Moreno Valley City Hall at Southeast corner of Alessandro Boulevard and Veteran's Way intersection. The project includes construction management, obtaining approval of permit applications, submittals and RFI's review, project team coordination, change order review and progress payment review/approval.
- **Vista Reservoirs No. 2,** *Mission Springs Water District, City of Desert Hot Springs, CA* – Mr. Lara assisted with the design of proposed Vista Reservoir No. 2 located at the Northern end of Valencia Drive in the City of Desert Hot Springs. Vista Reservoir No. 2 consisted of the design for a proposed 300,000-gallon tank including design locations of manway, flush cleanout, safety climb system, roof hatch, roof vent, overflow box, tide flex mixing system, spiral staircase and guardrail at the top perimeter of the tank. Along with design of proposed reservoir tank, Mr. Lara assisted with site improvements which consisted of removal and relocation of existing hydro pneumatic tank, electrical boxes, conduits and underground waterlines. Further site constraints required regrading of entire site to include design of access drive and pad for proposed reservoir along with v-ditch and storm drain lines and manholes to properly direct storm water runoff off the project site.
- **Terrace Reservoirs Rehabilitation and Site Improvements,** *Mission Springs Water District, City of Desert Hot Springs, CA* – Mr. Lara assisted with the design of Terrace Reservoirs Rehabilitation and Site Improvements located at the Western end of Terrace Way in the City

of Desert Hot Springs. Terrace Reservoirs Rehabilitation consisted of removal, replacement and relocation of manways, electrical conduits, ladder cages and guardrails, roof vents and overflow boxes with new material along with a spiral staircase and guardrail at the top perimeter of 3 existing tanks on site. Along with Tank Rehabilitation, proposed PCC Curb around perimeter of project site, regrading of slope and proposed culvert drainage was designed to mitigate erosion of slope on site due to storm water runoff.

- **Library ADA Improvements,** *City of Moreno Valley, CA* - The Library ADA Improvements Project is located at the Northwestern corner of Alessandro Boulevard and Kitching Street in the City of Moreno Valley. Proposed grading, sidewalk, curb access ramps, striping and signage improvements were designed to meet ADA Compliance.
- **I-15 Sewer and Water Improvements,** *City of Hesperia, CA* - Mr. Lara assisted in the design of approximately 7,900 linear feet of 8" and 10" P.V.C. sewer main improvements. Design of sewer main improvements also included 10" ductile iron pipe with an 18" Steel Casing crossing the I-15 Freeway from Caliente Road to Mariposa Road near Ranchero Road in the City of Hesperia. In addition to sewer main improvements, approximately 3,800 linear feet of 18" DIP water lines were designed along Ranchero Road to and along Kourie Way and to and along Cromdale Street to existing tanks at East end of Cromdale Street. The project included restrained joints, system appurtenances, and connections to the existing systems and interconnections to City of Hesperia Sewer and Water.
- **CDBG Alesia Street and Lerma Avenue,** *City of South El Monte, CA*- Mr. Lara assisted in the design of approximately 107,000 sq. ft of street rehabilitation on Alesia Street between Potrero Avenue and Adelia Avenue and Lerma Street between Merced Avenue and Central Avenue in the City of South El Monte. Proposed design included asphalt rehabilitation, grading, striping and signage improvements sidewalk, and curb access ramps were designed to meet ADA Compliance.
- **Wells 27 & 31 Drywells,** *Mission Springs Water District, City of Desert Hot Springs, CA* – Wells 27 & 31 Drywells project was located at the Southeast corner of Dillon Road and Louise Street intersection. Design consisted of connecting proposed 8" Epoxy Lined and Coated Steel Pipes to existing drainage line from wells with proposed pipe supports to level pipes off the ground. Proposed connections were designed to release water into proposed inlet grate and fill a series of proposed drywells before disposing of remaining water into existing reservoir.

SHAWN PAROLINE

Anser Advisory

SCHEDULER / CLAIMS MANAGER

EDUCATION

B.S., Magna Cum Laude, Engineering Technology with Emphasis in Construction Management, California State University, Long Beach, CA, 1994

Engineering Technology, Honor Graduate, School of Engineering, 1994

Shawn Paroline is a risk mitigation manager with more than 27 years of professional experience in construction management, program management, and claims analysis. Throughout his career, he has supported blended consultant/agency staff construction management teams on complex public works infrastructure projects including water and wastewater pipelines, pump stations, treatment plants, and tunnels. He lectures annually at national conferences and San Diego State University on subjects relating to claims avoidance and trust-building in adversarial project environments. Shawn is highly regarded by his clients for critical thinking, anticipating contractibility issues, proposing avoidance measures, and advising responses in contentious dispute environments.

Shawn has expertise in auditing the contract management protocols in place in the field office and providing strategic leadership to the owner's construction management team in the areas of delay analysis, documentation for claims avoidance, and contemporaneous schedule review and monitoring. He has prepared contract phasing language for complex projects, developed Critical Path Method (CPM) scheduling specifications, turnaround of troubled projects, and real-time dispute management as a supplement to the agency's construction management field staff.

DETAILED PROJECT EXPERIENCE

- **Santa Ana Watershed Project Authority, RIX Site Facilities,** *Colton, CA* - Shawn served as office engineer for the general contractor during the new construction of a 40-MGD rapid infiltration/extraction (RIX) tertiary wastewater treatment plant. His duties included writing all correspondence; generating RFIs; interfacing with OSHA, plant operators, and inspectors; coordinating punch list repairs; monthly updating of the construction schedule; performance testing of pump/motors/drives; coordinating submittals and spare parts, coordinating facility start-up; performing public documents search, and preparing basis of entitlement and time impact analyses for delay and constructive acceleration claims. The project covered 90 acres in Colton along the Santa Ana River and involved site piping; diversion and turnout structures; SCADA and PLC controls; 10 infiltration basins; 30 containment and relief wells; pumps and motors ranging between 50 and 100 HP; chemical storage and injection, UV disinfection, and operations and control building.
- **San Diego County Water Authority (SDCWA), San Vicente Pumping Facilities,** *San Diego, CA* **-** As senior claims analyst in support of the construction management team, Shawn provided executive recommendations for troubled project turnaround; conducted weekly schedule audits to assess actual progress along contractor's monthly schedule updates; lead construction schedule refinement meetings; drafted notices of non-compliance (NCRs); drafted correspondence; generated monthly progress meeting

minutes; reviewed, monitored, and returned comments on CPM schedule updates; reviewed time impact analyses; reviewed change order requests and claims for entitlement; assisted troubleshooting and testing; managed spare parts submittals; closed out the $13 million pre-procured equipment contract. The design-bid-build project consists of facilities for three 7,000-HP horizontal centrifugal pumps, welded-steel pipelines, and a three million-gallon, pre-stressed-concrete surge tank.

- **SDCWA, Carlsbad Desalination Pipeline,** *Carlsbad & San Marcos, CA* - Shawn provided baseline schedule review and monthly P6 schedule monitoring services to a blended consultant/agency staff construction management team for the SDCWA. He attended monthly schedule review meetings where he collaborated with the developer, Poseidon, and its joint venture, engineer-procure-construct contractor to improve the project schedule to include detailed permitting and design sequences. He monitored the schedule for compliance with several work moratorium zones, aqueduct shutdowns, and interfaces with SDCWA-provided right-of-way acquisition. This project involves the installation of CML&C welded-steel pipeline within existing street right-of-way in the cities of Carlsbad and San Marcos.

- **SDCWA, Lake Hodges Pump Station and Inlet/Outlet Structure**, *San Diego, CA* - Shawn provided executive recommendations for troubled project turnaround; conducted weekly schedule audits to assess actual progress along contractor's monthly schedule updates; lead construction schedule refinement meetings; drafted meeting minutes; drafted correspondence; drafted NCRs; mentored junior staff; trained construction management schedulers; reviewed, monitored, and returned comments on CPM schedule updates; reviewed time impact analyses; and provided executive recommendations. The design-bid-build project consists of inlet-outlet tunnel, two 20-megawatt hydro-turbine generators, and a seven-level pump house extending 100 feet below lake level.

- **SDCWA, Scripps Ranch Relining Pipelines 3 & 4**, *San Diego, CA* – Shawn provided baseline schedule review and monthly schedule monitoring support to a blended consultant/agency staff construction management team. He trained, mentored, and assisted agency staff in P6 CPM schedule review techniques and how to prepare effective schedule submittal review comments that protect the owner as well as improve the effectiveness of the contractor's schedule. This project involved relining sections of two parallel barrels, 72 inches and 84 inches) in SDCWA's Second Aqueduct using steel liners from Miramar Hill to the Miramar Water Treatment Plant.

- **SDCWA, San Vicente to Second Aqueduct Pipeline**, *San Diego, CA* - As senior construction schedule engineer, Shawn provided document control oversight; drafted change order language; generated monthly progress meeting minutes; reviewed, commented, and accepted the baseline CPM; monitored and returned comments on CPM schedule updates; developed cash flow reports; wrote a 40-page monthly CM progress report; performed time impact analyses; reviewed contractor initiated change order requests; and processed the monthly payment applications. The project consisted of construction of 11 miles of 102-inch welded steel pipeline in a 12-foot diameter tunnel ranging from 50 to 600 feet deep. Access was from three shafts and one portal. The drill and blast tunneling method, with NATM support, and three

tunneling machines - one main-beam TBM and two digger shields – were used to excavate the tunnel.

- **SDCWA, Pipeline 5 Extension Phase II,** *San Diego, CA* - Shawn served as both field engineer and office engineer for the general contractor during the construction of 10 miles of 108-in. CML&C welded-steel pipeline. Duties included executing an extensive subsurface investigation effort involving 60 potholes and 200 air-drilled holes to depths of 20-30 feet; generating the 950+ activity baseline schedule; monthly schedule updating; field quantity surveying; developing forms and database to track daily excavation, pipe laying, welding, and backfilling rates; inspecting pipe; coordinating welding, tunneling, and blasting subcontractor submittals and field work; interfacing with project and city inspectors; planning and implementing extensive tunnel nuisance water desilting system; planning and implementing stream diversions; planning short-term construction operations for crossing streets and utilities; preparing value engineering proposal for shielded metal arc welding; reporting daily field progress to the owner; and, in conjunction with corporate executives and legal counsel, preparing basis-of-entitlement and time-impact-analyses for several differing site conditions and cardinal change impacts.
- **West Basin Municipal Water District, Chevron & Mobil Nitrification Facilities,** *El Segundo & Torrance, CA* - Shawn performed project control support for the fast-track design and construction of two $10 million, 7.5 MGD wastewater treatment facilities located in El Segundo and Torrance. His general duties included scheduling support and assistance, cost control, change order review, and progress payment review.

MICHAEL COUNCE

TKE Engineering, Inc.

ELECTRICAL INSPECTOR

EDUCATION

Electrical Journeyman's License, 2011

Certified Electrician, State of CA, 2011

ABC Apprenticeship Graduate 2011

High School Diploma, Redlands High School, 1999

Mr. Counce is certified journeyman electrician and has 15 years of commercial and residential experience. He is adept in performing electrical installations, maintenance and repairs in homes, schools, hospitals and plant facilities; knowledgeable in all areas of the national electrical code; and excel in analyzing and solving problems with various electrical controls and systems. His experience includes electrical systems and controls, installations and maintenance, electromechanical repairs, blueprints, schematics, generators, transformers, switches, circuit breakers, electrical code, safety, wiring diagrams, troubleshooting, testing instruments, motors and conduit.

Mr. Counce served as journeyman electrician or apprentice on more than 100 new home construction projects as well as dozens of major commercial projects. He earned a reputation for expertise in complex troubleshooting and problem resolution. He also gained extensive experience in analyzing and following manuals, schematic diagrams, blueprints and other specifications and mastering the use of measuring/testing instruments such as ammeters, ohmmeters, voltmeters and testing lamps.

DETAILED PROJECT EXPERIENCE

- **CV Sync Construction Management,** *Palm Desert, CA*- Mr. Counce serves as the electrical inspector for oversight of all wiring installation aspects for Phase 1 of the CV Sync project (Formerly CVAG TSSP). This project involves coordination and support across twelve agencies in the Coachella Valley. The project improvements include advanced traffic management systems (ATMS), advanced transportation controllers (ATC), selected Intelligent Transportation System (ITS) elements, ITS sub-systems, and Ethernet/IP-based communications that will be expandable and scalable for future integration of ITS technologies and strategies, such as Integrated Corridor Management (ICM), Smart Cities, Connected and Autonomous Vehicles, a Regional Traffic Management Center (RTMC) and local Traffic Operation Centers (TOC).
- **Berg Electric Loma Linda University Medical Center**, *Loma Linda, CA* – Mr. Counce served as a certified electrician on LLUMC 10-year capital-improvement program that addressed not only HVAC, ADA and seismic upgrades, but also space needs into the future. Bergelectric has supported LLUMC in its current construction of the $823 million dollar, tallest hospital in California, standing at 267 feet above ground, with 17 total stories (16 above ground), and the tallest building in San Bernardino County.
- **Berg Electric**, *Indian Wells, CA* – Mr. Counce served as a certified electrician on Indian Wells Tennis Garden stadium renovation which required over 100,000 man hours from Bergelectric within a nine-month period. Additionally, a 200-person hospitality room, Front Box Club, satellite broadcast studio, fitness center, and club pro shop also

made their debut for the 2017 BNP Paribas Open. Other renovations worth noting include a brand new media room, two-story office building for tournament management and staff, and additional commissaries to accommodate the new concessions.

- **Berg Electric**, *San Bernardino, CA* – Mr. Counce served as a certified electrician on economic stimulus-related "green" projects. Install new or upgrade existing systems and equipment at major college facilities to achieve energy conservation goals.

ERIK BEZANSON

Geocon West, Inc.

DEPUTY INSPECTOR

EDUCATION

California State University, Fullerton, Geology

Mt. San Antonio Community College

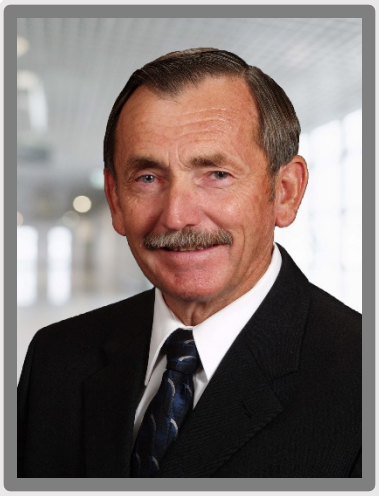
CERTIFICATIONS

- ICC Inspector No 5308543
- ICC Master of Special Inspection
- ICC Soils Special Inspector
- ICC Structural Welding Special Inspector
- ICC Structural Steel and Bolting Special Inspector
- ICC Spray Applied Fire Proofing Special Inspector
- ICC California Commercial Building Inspector
- ICC Structural Masonry Special Inspector
- ICC Soils Special Inspector
- ICC Reinforced Concrete
- L.A. County Concrete Special Inspector
- ACI Field Technician – Grade I
- Nuclear Density Gauge

Mr. Bezanson has 13 years of experience with laboratory and field inspection and testing of soils and construction materials. His experience includes observations and testing of building pads, roads, commercial buildings, public works and utility trenches, and concrete batch plant inspection. Mr. Bezanson is trained in performance of Quality Control in a Construction Material Testing Laboratory, including performing and supervising performance in sieve analysis, proctors, soil ring density and moisture content, sand equivalent, soil shear testing and specific gravity of aggregates. Laboratory testing abilities also include compressive strength testing of concrete, mortar, grout, shotcrete, and masonry pavers. He is experienced with in-place density testing of soil utilizing sand cone and nuclear gauge test methods, performing field-testing of concrete placement, including slump, temperature, air-content and molding compressive strength specimens.

DETAILED PROJECT EXPERIENCE

- **I-15 Corridor Utility Improvement,** *City of Hesperia, CA* – Geocon was selected to provide geotechnical observation and testing and inspection services for the I-15 Corridor Utility Improvements Project in the City of Hesperia. The project involves the installation of major sewer and waterlines utilizing jack and bore methods to tunnel beneath the I-15 freeway without major disruption of this major arterial freeway. The project also involves installing water and sewer lines and all and all associated appurtenances within various streets of the City of Hesperia. Mr. Bezanson provided testing and observation services during utility trenching.
- **Recycled Water System – Phase 1A & 1B**, *City of Hesperia, CA* - Geocon was selected to provide full-time materials testing and inspections services for this major city recycled water system project. Mr. Bezanson observed and tested the backfill and soil compaction for 60,000 LFT of recycled waterline. Mr. Bezanson also observed and tested the street subgrade and base compaction along with providing observation for the placement and compaction of asphaltic concrete (AC) during street reconstruction.
- **Recycled Water Tank and Pump House** *City of Hesperia, CA*– Geocon was selected to provide materials testing and inspections services for this major water capital improvement project. This new Recycled Water Tank includes a concrete foundation with Steel reinforcement. The new Pump House structure on-site consisted of masonry construction and included a concrete foundation with Steel reinforcement. Mr. Bezanson is currently providing observation, testing and sampling of concrete, masonry, grout placement, and inspected and sampled all steel reinforcement.



RON MUSSER, P.L.S.

TKE Engineering, Inc.

CONSTRUCTION SURVEY PRINCIPAL

REGISTRATIONS

P.L.S. License Number (CA): 4230

Mr. Musser has over 52 years of experience in performing field and office surveying and plan checking services for public and private projects including roadway and highway projects. He has performed design topographic surveying and construction staking on all of TKE's respective design and construction management projects and map checking over the past 10 years. In addition, he has prepared records of survey, parcel maps and tract maps in San Bernardino County, Riverside County, San Diego County, Orange County and Los Angeles County. He has performed boundary, topographic, ALTA, and precise level surveys as well as Global Positioning Surveys. Mr. Musser currently provides map checking services to the cities of Calimesa, Upland, Azusa, Pico Rivera and El Monte.

PROJECT EXPERIENCE

Municipal Experience

- **City of Calimesa, CA** – On-Call Survey and Map Checking Services
- **City of Hesperia, CA** – On-Call Survey and Map Checking Services
- **City of Upland, CA** – On-Call Survey and Map Checking Services
- **City of Wildomar, CA** – On-Call Survey and Map Checking Services

DETAILED PROJECT EXPERIENCE

- **San Bernardino Avenue Trunk Sewer**, *City of Fontana, CA* - This project consisted of approximately 19,500 linear feet of 48-inch and smaller vitrified clay and reinforced concrete pipe sewer, two siphons, including bore and jacked pipe and casings, and numerous diversion gates for flow diversion. The trunk sewer was constructed on San Bernardino Avenue between Cypress Avenue and Mulberry Avenue. The facility was constructed to convey 25 million gallons of wastewater to a proposed lift station, which will convey the water to IEUA's regional plant number 4. TKE provided project and construction management and inspection services. In addition, TKE provided construction staking and topographic surveying throughout the completion of the project.
- **San Bernardino Avenue/Etiwanda Avenue Force Main**, *Inland Empire Utilities Agency, City of Fontana, CA* – Mr. Musser served as Project Surveyor for this project, which provided 8,360 linear feet of 24-inch and 30-inch parallel DIP force mains and PVC electrical and fiber optic conduits.
- **Fontana City Wide Water/Wastewater Engineering**, *City of Fontana, CA* – Mr. Musser served as Project Surveyor on this project to improve water supply reliability and increase wastewater service area for the residents of the City of Fontana. The components include, recycle water direct reuse and recharge, enhanced storm water capture and recharge, imported water development, exchange water agreements and sewer analysis. TKE has performed extensive research, preliminary

design and coordination with agencies to assist in the elimination of high maintenance basins and sewer lift stations, development of storm water and recharge basins, sewer service and recycled water service to residents, businesses and City facilities throughout the City of Fontana.

- **Mead Valley Community Center**, *Riverside County, CA* – Mr. Musser provided topographic design surveying and construction staking for the grading, drainage, sewer, water, and street improvements for the Riverside County Economic Development Agency (Agency) owned Mead Valley Community (MVCC) Center, a 5.4 acre site located on Rider Street, approximately 0.1 mile east of the intersection of Clark Street and Rider Street. The site provides a significant amount of beneficial services to the Mead Valley community, including medical and dental services, child care and teaching services, as well as the more traditional recreational and community room services provided at community centers. The project included 4,000 linear feet of offsite sewer and 1,200 linear feet of offsite water improvements for Eastern Municipal Water District.

- **"I" Street Pipeline**, *City of San Bernardino, CA* – Mr. Musser is Project Surveyor of this project, which consists of the construction of 2,300' of 16" and 3,700' of 20" ductile iron pipe, including restrained length calculations, joint specifications, system appurtenances, connections to the existing system, San Bernardino County Flood Control District permitting for pipeline hanging under "I" Street bridge crossing of the Lytle Creek Channel, and SANBAG permitting for bore and jack crossing of railroad at Rialto Avenue. Proposed water system improvements provide a transmission main from the newly constructed pipelines in 2nd Street, Mill Street and Inland Center Drive for adequate water system conveyance

- **1720 Zone West Transmission Main Pipeline**, *City of San Bernardino, CA* – Mr. Musser served as Project Surveyor for this project. This project consisted of the construction of 14,500' of 36" cement mortar lined and coated steel pipe, including restrained length calculations, joint specifications, system appurtenances, connections to the existing system, 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. Proposed water system improvements provided a transmission main from the Palm Avenue Reservoir to the newly constructed Ogden Reservoir for adequate water system conveyance.

- **1158 Zone Recycled Water Program**, *City of Fontana, CA* – Mr. Musser served as the Project Surveyor for this project, which TKE prepared preliminary engineering report, utility permitting, plans, specifications, and estimates for the construction of approximately 50,000 linear feet of recycled water mains ranging from 6" to 24" in diameter. The project included San Bernardino County Flood Control District bridge crossings, DWR pipeline crossings and Southern California Edison easement crossings. TKE prepared a preliminary engineering report that identified potential users, projected use

amounts alignment alternatives to provide service, environmental impacts and service retrofits. TKE also assisted with a funding application and processing of the application with the State of California State Water Resource Control Board.

- **On-Call Survey and Map Checking Services,** *City of Calimesa, CA* - Mr. Musser provides on-call map checking services to the City of Calimesa. Mr. Musser is providing map checking services for several small and large tract developments, single family residential units and commercial retail centers within the City. Services include closure calculations, development project screen checks, response to development community inquiries, perform map checking for tract maps, parcel maps, lot line adjustments, lot mergers, records of survey, corner records, easement and right-of-way acquisitions.
- **On-Call Survey and Map Checking Services,** *City of Hesperia, CA* - Mr. Musser provides on-call map checking services to the City of Hesperia. Mr. Musser is providing map checking services for several small and large tract developments, single family residential units and commercial retail centers within the City. Services include closure calculations, development project screen checks, response to development community inquiries, perform map checking for tract maps, parcel maps, lot line adjustments, lot mergers, records of survey, corner records, easement and right-of-way acquisitions.
- **On-Call Map Checking Services,** *City of Upland, CA* - Mr. Musser provides on-call map checking services to the City of Upland. Mr. Musser is providing map checking services for several tract developments, single family residential units and commercial retail centers within the City. Services include closure calculations, development project screen checks, response to development community inquiries, perform map checking for tract maps, parcel maps, lot line adjustments, lot mergers, records of survey, corner records, easement and right-of-way acquisitions.
- **On-Call Map Checking Services,** *City of Wildomar, CA* - Mr. Musser provides on-call map checking services to the City of Wildomar. Mr. Musser is providing map checking services for several tract developments, single family residential units and commercial retail centers within the City. Services include closure calculations, development project screen checks, response to development community inquiries, perform map checking for tract maps, parcel maps, lot line adjustments, lot mergers, records of survey, corner records, easement and right-of-way acquisitions.

MUSSER, RONALD ALVIN
LICENSE NUMBER: 4230 LICENSE TYPE: LAND SURVEYOR
LICENSE STATUS: CLEAR EXPIRATION DATE: JUNE 30, 2022
SECONDARY STATUS: N/A
CITY: PERRIS STATE: CALIFORNIA COUNTY: RIVERSIDE ZIP: 92370

BRETT ENSCOE

TKE Engineering, Inc.

CONSTRUCTION PARTY CHIEF

REGISTRATION

Railroad Safety (E-rail Safe)
Scissor Lift Operator

YEARS WITH FIRM

14 YEARS

Mr. Enscoe has over 14 years of experience in performing field and office surveying services for public and private projects including roadway and highway projects. He has performed design topographic surveying and construction staking on all of TKE's respective design and construction management projects over the past 14 years. In addition, he has prepared records of survey, parcel maps and tract maps in San Bernardino County, Riverside County, Orange County and Los Angeles County. He has performed boundary, topographic, ALTA, and precise level surveys as well as Global Positioning Surveys.

DETAILED PROJECT EXPERIENCE

- **Jackson Avenue Street Improvement**, *City of Murrieta, CA* – Mr. Enscoe was the Surveying Field Party Chief for this project. Construction for this road connection included approximately 3,800 linear feet of staking for curb and gutters, medians, slopes, storm drain lines 18-inch, 24-inch, and 36-inch power pole relocations, and (6) 24-foot-wide arch culverts for bridge access to connect Jackson Ave.
- **Upland Basin**, *City of Upland, CA*- Mr. Enscoe provided topographic design survey, aerial target placement, ALTA survey, Parcel Map preparation and construction staking for the 1300 acre-foot flood control and aquifer recharge basin project that included DSOD jurisdictional facilities, inlet and outlet facilities, and related work. The project included preparation of basin, street improvements, storm drain, spillway, and structural detail construction documents (drawings, specifications, and estimates), hydrology and hydraulic analyses, environmental compliance, storm water pollution prevention plan preparation, right-of-way acquisition, aerial mapping, and related civil engineering services.
- **Alessandro Boulevard Street Improvements**, *City of Riverside, CA* - The Alessandro Boulevard Street Improvements Project improvements provided street widening, median improvements, storm drain and culvert crossing improvements, traffic signal construction and modifications, street lighting, undergrounding of existing power poles, and landscaping and irrigation for corridor beautification and improved traffic and pedestrian safety. Supplemental conventional ground survey and field reconnaissance was provided by TKE for approximately 11,900 linear feet of street widening and median improvements. TKE prepared legal descriptions, right-of-way acquisition plats, temporary construction easement plats, slope easement plats, and grant and easement deeds for 7 parcels.
- **Calimesa Boulevard/County Line Road Roundabout**, *City of Calimesa, CA* – Mr. Enscoe was the Surveying Field Party Chief of this project. The City of Calimesa was awarded SAFETEA-LU funding for the roundabout improvement project for the intersection of Calimesa Boulevard and County Line Road. The project includes the design of a dual lane roundabout with property acquisition. Proposed curb, gutter, sidewalk, drive approaches, ramps, central island, apron and splitter

island improvements will be constructed for increased vehicular efficiency and pedestrian safety. The project includes street improvements together with drainage channel and piping modifications, full parcel acquisition, right-of-way acquisition, right-of-entry acquisition, public outreach and coordination with regulatory agencies, Riverside County Flood Control and Water Conservation District and Caltrans Local Assistance.

- **Arrow Route Improvements***, City of Upland, CA* – Mr. Enscoe was the Surveying Field Party Chief for this mile long widening of Arrow Route between Monte Vista Avenue and Central Avenue. This project involves coordination with US Army Corps of Engineers, San Bernardino County Flood Control, and compliance with requirements of a wide variety of permit requirements.

- **Foothill Boulevard Street Improvements,** *City of Fontana, CA* – Mr. Enscoe was the Surveying Field Party Chief for this 11,800 linear feet of street widening, sewer and storm drain improvements, bike lane extension and median improvements. The project was separated into two phases from East Avenue to Cherry Avenue and from Cherry Avenue to Hemlock Avenue. Mr. Enscoe provided all topographic design surveying and construction staking for the construction of ultimate street widening, median, curb and gutter, sidewalk, traffic signals, striping, and onsite private improvements. In addition, Mr. Enscoe prepared legals, plats and grant deeds for more than twenty right-of-way acquisitions.

- **Mead Valley Community Center***, Riverside County, CA* – Mr. Enscoe provided topographic design surveying and construction staking for the grading, drainage, sewer, water, and street improvements for the Riverside County Economic Development Agency (Agency) owned Mead Valley Community (MVCC) Center, a 5.4 acre site located on Rider Street, approximately 0.1 mile east of the intersection of Clark Street and Rider Street. The site provides a significant amount of beneficial services to the Mead Valley community, including medical and dental services, child care and teaching services, as well as the more traditional recreational and community room services provided at community centers. The project included 4,000 linear feet of offsite sewer and 1,200 linear feet of offsite water improvements for Eastern Municipal Water District.

- **11th Street Improvements***, City of Upland, CA* - The 11th Street Water System, Sewer, Storm Drain and Street Improvements Project proposed water system upgrades were designed for pipe sizes of 8" through 12" to replace existing under sized and aged water mains. Proposed 8" sewer was constructed to allow service to all businesses within the improvement area. 100 year storm protection was installed by constructing the 90" through 54" storm drain main line and complete street improvements were provided to serve and better protect new proposed developments and existing businesses. Conventional ground design survey and design services, including preparation of plans, specifications and estimates were provided by TKE for approximately 2,600 linear feet of street improvements, 4,000 linear feet of drainage improvements, 1,600 linear feet of sewer

improvements, 5,000 water improvements, lighting and signing and striping improvements.

PHILLIP STEPHENS

Geocon West, Inc.

Materials Testing Laboratory Manager

CERTIFICATIONS

- ACI Strength Testing of Concrete
- ACI Field Testing of Concrete
- ACI Base Testing
- ACI Agg 1 & 2
- ACI Laboratory 1 & 2
- CT: 105, 106, 125, 201, 202, 205, 216, 217, 226, 227, 229, 504, 518, 521, 533, 539, 540, 556, 557

Mr. Phillip Stephens has ten years of experience performing quality assurance testing in the lab and in the field. He is experienced calibrating lab and field equipment, overseeing training and evaluating the performance of technicians, and maintaining laboratory accreditations from AASHTO, CCRL, Caltrans, DSA, and OSHPD. Other laboratory experience includes testing of structural steel, tensile and proof load testing, tensile and bend testing of rebar, strain/tensile testing of uncoated seven-wire for pre-stressed concrete, compression testing of masonry and masonry prisms, and testing of masonry block absorption and linear shrinkage. In addition, Mr. Stephens is experienced performing field testing of concrete, locating rebar, pull testing epoxy installed rebar/all thread, determining the moisture vapor emission rate of concrete and the rebound number of hardened concrete, and testing of spray-applied fireproofing materials.

DETAILED PROJECT EXPERIENCE

- **Eastern Municipal Water District, On-Call Geotechnical Consultant** *Riverside County, CA*– Geocon has been an on-call consultant to EMWD since 2016. We have provided geotechnical investigations, dewatering investigations, trenching recommendations, and testing and observation during construction for the Salt Creek Sewer, Temecula Valley Recycled Water Main, and McCall Road Sewer Main projects. Mr. Stephens provides laboratory testing for projects under this contract.
- **I-15 Corridor Utility Improvement,** *City of Hesperia, CA* – Geocon was selected to provide geotechnical observation and testing and inspection services for the I-15 Corridor Utility Improvements Project in the City of Hesperia. The project involves the installation of major sewer and waterlines utilizing jack and bore methods to tunnel beneath the I-15 freeway without major disruption of this major arterial freeway. The project also involves installing water and sewer lines and all and all associated appurtenances within various streets of the City of Hesperia. Mr. Stephens provided laboratory testing services.
- **Recycled Water Tank and Pump House** *City of Hesperia, CA*– Geocon was selected to provide materials testing and inspections services for this major water capital improvement project. This new Recycled Water Tank includes a concrete foundation with Steel reinforcement. The new Pump House structure on-site consisted of masonry construction and included a concrete foundation with Steel reinforcement. Mr. Stephens provides laboratory testing services.
- **Recycled Water System – Phase 1A & 1B**, *City of Hesperia, CA* - Geocon was selected to provide full-time materials testing and inspections services for this major city recycled water system project for 60,000 LFT of recycled waterline. Mr. Stephens provided laboratory testing services.

GEOCON

MICHELLE TOLLETT, BA, ISA

UltraSystems

ENVIRONMENTAL ENGINEERING

EDUCATION

B.A., Botany and Environmental Science, University of Montana, Missoula, MT, 2000

AFFILIATIONS

Certified Arborist (WE-12103-A)

CRAM Vernal Pools (2017).

CRAM Instructor-in-Training (2017).

Certified Caulerpa taxifolia Surveyor, NMFS (2013/2014).

Southwestern Willow Flycatcher (2013).

Western Pond Turtle Workshop, Elkhorn Slough Coastal Training (2012).

Sea and Sage Audubon Society, Advanced Bird Identification Courses (2012).

CDFW Flat-tailed Horned Lizard Training (2012).

California Rapid Assessment Method (CRAM) (2012, 2017).

Ms. Tollett is a biological resources scientist and regulatory specialist with 20 years of environmental consulting experience within the public and private sectors of central and southern California. She is the chief Sr. Biologist and Project Manager at UltraSystems Environmental in Irvine, California. Her responsibilities include biological constraints surveys, reconnaissance field surveys, wetland delineations, CRAM assessments, and focused special-status species surveys. She manages a variety of environmental compliance management responsibilities, from planning to post-construction phases of projects. Ms. Tollett has experience conducting and supervising habitat mitigation monitoring projects ranging from simple to complex within riparian, wetland, coastal sage scrub, chaparral, desert, and other sensitive habitat areas throughout southern California and the northern Rocky Mountains.

Specifically, Ms. Tollett understands the regulatory framework necessary for the preparation of biological technical reports and environmental documents for compliance with CEQA, NEPA, CESA, ESA, invasive species control measures, mitigation monitoring and planning, construction monitoring and post-construction restoration and reporting. Prior to her biological consulting experience, she specialized in storm water and hazardous materials management, as well as environmental training and education. Ms. Tollett's industry experience includes oil and gas transmission lines, energy transmission lines, wind and solar renewable energy, private development, transportation, flood control, military base, mineral mining, and conservation oriented projects.

DETAILED PROJECT EXPERIENCE

- **Elizabeth Lake Road Rehabilitation Project**, *Los Angeles County, CA* - Ms. Tollett directed the biological surveys for this LACDPW road improvement project located on Los Angeles County land. She prepared a biological resources evaluation and jurisdictional delineation report.
- **Nesting Bird Surveys for Road Maintenance and Tree Trimming**, *Hacienda Heights, CA* - Ms. Tollett coordinated and supervised the pre-construction nesting bird surveys and reviewed the daily monitoring logs for this urban tree maintenance project conducted for the Roads and Maintenance Division of the Los Angeles County Department of Public Works (LACDPW), as a subcontractor to Willdan Engineering.
- **Fitch Avenue over Mint Canyon Wash**, *Canyon Country, CA* - Ms. Tollett supervised preconstruction nesting bird surveys and reviewed the daily monitoring logs which recorded all birds, mammals, and any

CDFW Scientific Collection Permit, SCP#8526.

Wetland Regional Field Training, Wetland Training Institute, Certificate (2011).

The Desert Tortoise Council, Workshop (2011).

24-hour HazComm Hazardous Materials Training (2004).

other significant biological details for this LACDPW bridge improvement project.

- **LACDPW Malibu and Kanan Tunnel Improvements**, *Malibu, CA* - Ms. Tollett supervised pre-construction bird surveys, habitat mapping, and provided compliance recommendations for roadway and tunnel improvements during nesting season within high traffic tunnels in Malibu, California.
- **LACDPW 124th Street Nesting Bird Surveys and Monitoring**, *Compton, CA* - Ms. Tollett supervised pre-construction bird surveys which included scouting for active nests and sensitive bird species. Weekly nest monitoring site visits aided client compliance with the California Fish and Game Code (Section 3503) and the Migratory Bird Treaty Act of 1918, while completing sidewalk repairs and tree trimming.
- **Fontana Victoria Residential Project**, *City of Fontana, CA* - The City of Fontana is processing applications for a variety of entitlements, which if approved, would facilitate the development of the Fontana Victoria residential project, a 193 unit, single family residential detached cluster project on a 21.7 acre currently vacant site. Ms. Tollett served as the lead ISA-certified arborist and managed the preparation of an Arborist Report to support the addendum to the Westgate Specific Plan (WSP) Program Environmental Impact Report (PEIR) in compliance with CEQA. The addendum analyzes the physical environmental effects of the Fontana Victoria residential project, including planning, construction, and operational phases.
- **East Avenue O Bike Path Project**, *Los Angeles County, CA* - Ms. Tollett directed the biological surveys for this County of Los Angeles Department of Public Works (LACDPW) bike path project. She prepared a Natural Environment Study (NES) in accordance with California Department of Transportation (Caltrans) guidelines to describe the existing biological environment and how the project alternatives may affect the environment.
- **Mitigation Monitoring and Reporting, Alton Parkway Extension Project**, *Irvine, CA* - Ms. Tollett helped implement the requirements of environmental planning documents and agency-approved permits. These included the Alton Parkway EIS/EIR, FWS Section 7 Conservation Permit, CDFW 1600 SAA, USACE 404 Permit, and a RWQCB 401 Certification. Ms. Tollett supervised a crew of five rotating staff members, trained to monitor and consult with the client, through review of environmental documents and submittal of monitoring reports on a regular basis. The team conducted surveys of nesting birds and sensitive wildlife, both prior to and during construction. Ms. Tollett also prepared and presented a Worker Environmental Education and Awareness Program (WEAP) and a Mitigation Monitoring and Reporting Program (MMRP).
- **Caltrans, Kramer Junction/Highway 395 Widening Project**, *Kramer Junction, San Bernardino County, CA* - Ms. Tollett serves as an authorized monitor for the widening of Highway 395, south of Kramer Junction. The monitoring activities included desert tortoise fencing installation, grubbing and clearing, and general BMPs to protect target species such as the desert tortoise, rare plants, and nesting

raptors/birds. Ms. Tollett identified a rare plant, Muilla coronata (CNPS 4.2) just outside of the project footprint, which was flagged and protected.

- **Restoration and Weed Abatement, Ben Brown Golf Course at The Ranch**, *Laguna Beach, CA* - Ms. Tollett participated in the weed abatement and restoration activities in the lower reach of Aliso Creek within the Ben Brown Golf Course at The Ranch, in Laguna Beach, California. Activities included monitoring of riparian vegetation removal, herbicide painting on exposed stump cuts, pole cutting collection and planting of riparian pole cuttings and container stock in accordance with a local coastal permit.

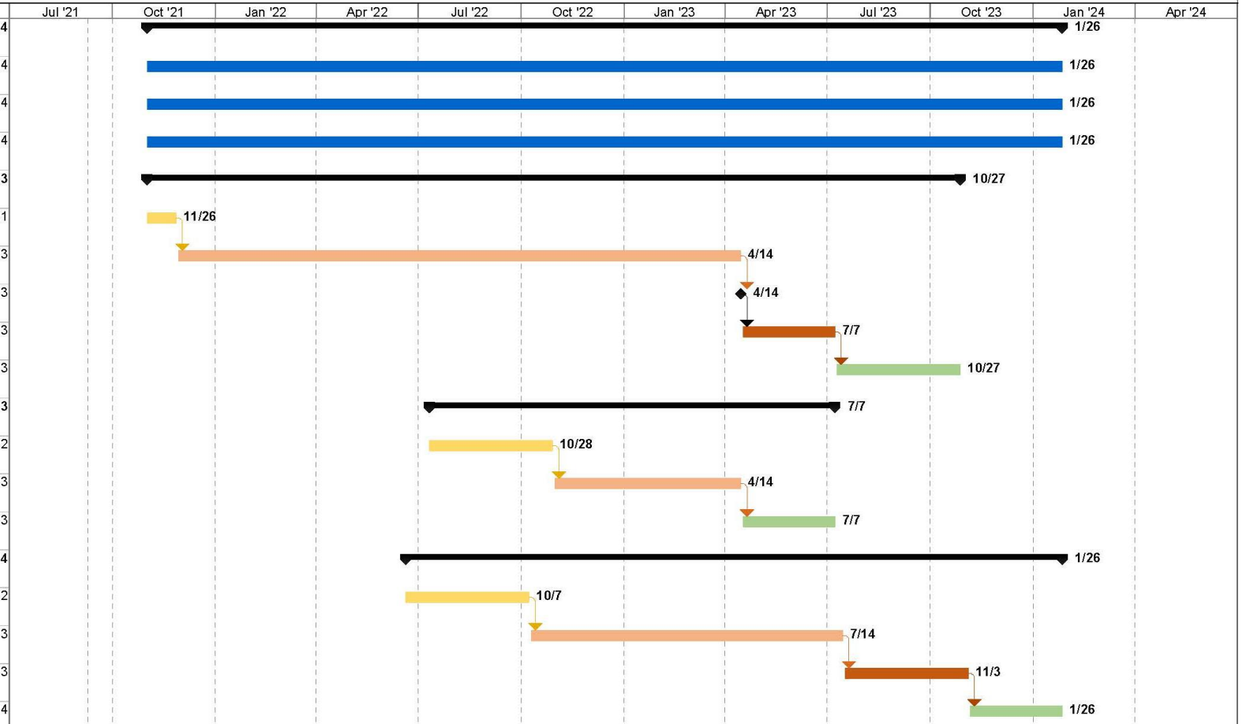
- **Santa Ana River Flood Control Mitigation (SARM) Project**, *Corona, CA* - Ms. Tollett oversees the Lead Biologist and Field Coordinator for this large scale arundo removal and restoration project for the US Army Corps of Engineers within the Santa Ana River upstream of Prado Dam. The project targets the removal of 215 acres of arundo and other non-native invasives, followed by a five-year restoration, monitoring and maintenance program to ensure successful site recovery. Ms. Tollett was involved in annual vegetation sampling, CRAM surveys, supervision of manual biomass reduction of arundo throughout the site, and native plant restoration to the current year three (3) of the five (5) year project.

- **Jamboree/Main Intersection Improvement Project**, *Irvine, CA* - Ms. Tollett supervised the biological monitoring project for removal/herbicide treatment of specific, non-native plants in an offsite mitigation area in accordance with regulatory permits (404, 401 and 1602). Ms. Tollett ensured that the mitigation plan was implemented as approved by California Department of Fish and Wildlife (CDFW). A letter report of completion was prepared to describe the final extent of weed removal and photo document activities.

e) PROJECT SCHEDULE

Mission Springs Water District
Regional Water Reclamation Project
September 9, 2021

ID	Task Name	Duration	Start	Finish
1	**GENERAL**	**585 days**	**Mon 11/1/21**	**Fri 1/26/24**
2	Construction Management	585 days	Mon 11/1/21	Fri 1/26/24
3	Environmental Compliance	585 days	Mon 11/1/21	Fri 1/26/24
4	SRF/Grant Administration	585 days	Mon 11/1/21	Fri 1/26/24
5	**PHASE I - REGIONAL WATER RECLAMATION FACILITY**	**520 days**	**Mon 11/1/21**	**Fri 10/27/23**
6	Pre-Construction	20 days	Mon 11/1/21	Fri 11/26/21
7	Construction	360 days	Mon 11/29/21	Fri 4/14/23
8	Substantial Completion	0 days	Fri 4/14/23	Fri 4/14/23
9	Final Construction	60 days	Mon 4/17/23	Fri 7/7/23
10	Post-Construction	80 days	Mon 7/10/23	Fri 10/27/23
11	**PHASE II - REGIONAL CONVEYANCE TRUNK SEWER**	**260 days**	**Mon 7/11/22**	**Fri 7/7/23**
12	Pre-Construction	80 days	Mon 7/11/22	Fri 10/28/22
13	Construction	120 days	Mon 10/31/22	Fri 4/14/23
14	Post-Construction	60 days	Mon 4/17/23	Fri 7/7/23
15	**PHASE III - GQPP AREA M2 COLLECTION SYSTEM**	**420 days**	**Mon 6/20/22**	**Fri 1/26/24**
16	Pre-Construction	80 days	Mon 6/20/22	Fri 10/7/22
17	Collection System Construction	200 days	Mon 10/10/22	Fri 7/14/23
18	Septic Tank Abatement	80 days	Mon 7/17/23	Fri 11/3/23
19	Post-Construction	60 days	Mon 11/6/23	Fri 1/26/24



RWRP Construction Schedule_09-09-21.mpp Page 1

EXHIBIT B

TKE ENGINEERING, INC.

October 28, 2021

Mr. Brian Macy
Assistant General Manager
MISSION SPRINGS WATER DISTRICT
66575 Second Street
Desert Hot Springs, CA 92240

Subject: Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

Dear Mr. Macy,

TKE Engineering, Inc. (TKE) is in receipt of your letter dated October 21, 2021 identifying us as the highest ranked firm in the subject procurement process. We appreciate your consideration in selecting TKE to provide Construction Management and Inspection Services for the Regional Water Reclamation Facility Construction Project.

As requested, TKE has reviewed and revised our cost proposal per our understanding of the District's requirements for each phase of the Project. Our revised fee is $3,671,000 for all Project phases. Attached is a cost summary, together with a detailed person-hour and fee breakdown for each phase.

TKE is excited to continue our relationship with the District on this monumental District project. We very much appreciate the opportunity to submit our revised cost proposal to provide Construction Management, Inspection, and Related Services for this Project. If you have any questions or if additional discussion is required, please call me at (951) 680-0440 or e-mail me at trenner@tkeengineering.com.

Sincerely,

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

2305 Chicago Ave - Riverside - CA - 92507
Ph. (951) 680-0440 - Fax (951) 680-0490
www.tkeengineering.com

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project (Job ID: 17-002-S) (Job #: 11424)

All Phase

Consulting Fee

Phase	Total
Phase I - Regional Water Reclamation Facility	$ 2,654,800
Phase II - Regional Conveyance Trunk Sewer	$ 435,200
Phase III - GQPP Area M2 Collection System	$ 581,000
Grand Total:	**$ 3,671,000**

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

(Job ID: 17-002-S) (Job #: 11424)

Phase I - Regional Water Reclamation Facility

Consulting Fee

	TKE ENGINEERING, INC.																							
	Principal in Charge (Steven Ledbetter, P.E.)			Overall Construction Manager (Terry Renner, PE, QSD)			Resident Engineer (Robert Doss, P.E., TKE)			Assistant Resident Engineer (Kristine Macalma, EIT)			Office Engineer / Labor Compliance (Marvin Lara, EIT)			Lead Field Inspector (Brad Enscoe)			Lead Field Inspector (Stephen Biscotti)			Inspection Support (Jeff Lantosh)			Electrical Inspection (Michael Conce)		
	Rate	$	175.00	Rate	$	165.00	Rate	$	165.00	Rate	$	145.00	Rate	$	145.00	Rate	$	120.00	Rate	$	120.00	Rate	$	120.00	Rate	$	120.00
Task	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$
Bid Administration																											
1.1 Construction Evaluation and Technical Evaluation of Scheduling	10	$	1,750	40	$	6,600		$	-		$	-	20	$	2,900		$	-		$	-	10	$	1,200	10	$	1,200
1.2 Construction Technical Review and Constructability Review	20	$	3,500	80	$	13,200		$	-		$	-	40	$	5,800		$	-		$	-	20	$	2,400	20	$	2,400
1.3 Construction Project Advertising, Bid Analysis, and Award[5.)]		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
Construction Management											$	-															
2.1 Construction Management	192	$	33,600	420	$	69,300		$	-		$	-		$	-		$	-		$	-		$	-		$	-
2.2 Construction Oversight and Inspection[3.)]		$	-		$	-		$	-		$	-		$	-		$	-		$	-	960	$	115,200	320	$	38,400
2.3 Post Construction Management Services[4.)]	48	$	8,400	60	$	9,900		$	-		$	-		$	-		$	-		$	-	120	$	14,400	120	$	14,400
2.4 Permitting / Coordination	24	$	4,200	96	$	15,840		$	-		$	-		$	-		$	-		$	-		$	-		$	-
2.5 Office Engineering		$	-		$	-		$	-		$	-	960	$	139,200		$	-		$	-		$	-		$	-
Subtotal:	294	$	51,450	696	$	114,840	0	$	-	0	$	-	1,020	$	147,900	0	$	-	0	$	-	1,110	$	133,200	470	$	56,400

Notes:

1.) Overhead Direct Costs Assume Contractor will Provide On-Site Office for RE during RWRF Construction.

2.) Assumes Construction Period of 18 months full time and 6 months part time for closeout.

3.) Services are Time and Materials as Needed.

4.) Assumes No Training will be Required by Support Staff.

5.) Assumes this task is already complete for RWRF.

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

(Job ID: 17-002-S) (Job #: 11424)

Phase I - Regional Water Reclamation Facility

Consulting Fee

	ANSER ADVISORY, LLC										Geocon West, Inc.				UltraSystems		
	Construction Survey Principal (Ronald Musser P.L.S.)		Construction Survey Party Chief (Brett Enscoe)		Resident Engineer (Lucas Rathe, P.E., Q.S.D., CCM)		Assistant Resident Engineer (Valerie Wollet, P.E., CCM)		Scheduler/Claims Manager (Shawn Paroline)		Lead Inspector (Kenneth Barker, CMIT)		Deputy Inspector (Erik Bezanson)		Materials Testing (Phillip Stephens)		Environmental Engineering (Michelle Tollett, BA, ISA)		Total
	Rate $ 165.00		Rate $ 240.00		Rate $ 210.00		Rate $ 185.00		Rate $ 190.00		Rate $ 175.00		Rate $ 130.00		Rate $ 130.00		Rate $ 135.00		
	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	$
10	$ 1,650		$ -	4	$ 840	40	$ 7,400	12	$ 2,280		$ -		$ -		$ -		$ -		$ 25,820
20	$ 3,300		$ -	16	$ 3,360	80	$ 14,800	4	$ 760		$ -		$ -		$ -		$ -		$ 49,520
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -
	$ -																		$ -
48	$ 7,920	96	$ 23,040	680	$ 142,800	2,280	$ 421,800	124	$ 23,560		$ -	20	$ 2,600	10	$ 1,300		$ -		$ 725,920
192	$ 31,680	960	$ 230,400		$ -		$ -		$ -	2,840	$ 497,000	1560	$ 202,800	480	$ 62,400	770	$ 103,950		$ 1,281,830
24	$ 3,960	96	$ 23,040	220	$ 46,200	740	$ 136,900	212	$ 40,280	160	$ 28,000	10	$ 1,300	10	$ 1,300		$ -		$ 328,080
	$ -		$ -	20	$ 4,200	60	$ 11,100	20	$ 3,800	40	$ 7,000		$ -		$ -		$ -		$ 46,140
	$ -		$ -		$ -	40	$ 7,400	20	$ 3,800		$ -		$ -		$ -		$ -		$ 150,400
294	$ 48,510	1,152	$ 276,480	940	$ 197,400	3,240	$ 599,400	392	$ 74,480	3,040	$ 532,000	1,590	$ 206,700	500	$ 65,000	770	$ 103,950		$ 2,607,710
																		Overhead Direct Costs: [1.]	$ 47,118
																		Total: [2.]	$ 2,654,828
																		Rounded Total:	**$ 2,654,800**

Notes:

1.) Overhead Direct Costs Assume Contractor will Provide On-Site Office for RE during RWRF Construction.

2.) Assumes Construction Period of 18 months full time and 6 months part time for closeout.

3.) Services are Time and Materials as Needed.

4.) Assumes No Training will be Required by Support Staff.

5.) Assumes this task is already complete for RWRF.

TKE Engineering, Inc.

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

(Job ID: 17-002-S) (Job #: 11424)

Phase II - Regional Conveyance Trunk Sewer

Consulting Fee

	TKE ENGINEERING, INC.																							
	Principal in Charge (Steven Ledbetter, P.E.)			Overall Construction Manager (Terry Renner, PE, QSD)			Resident Engineer (Robert Doss, P.E., TKE)			Assistant Resident Engineer (Kristine Macalma, EIT)			Office Engineer / Labor Compliance (Marvin Lara, EIT)			Lead Field Inspector (Brad Enscoe)			Lead Field Inspector (Stephen Biscotti)			Inspection Support (Jeff Lantosh)			Electrical Inspection (Michael Conce)		
	Rate	$	175.00	Rate	$	165.00	Rate	$	165.00	Rate	$	145.00	Rate	$	145.00	Rate	$	120.00	Rate	$	120.00	Rate	$	120.00	Rate	$	120.00
Task	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$
Bid Administration																										
1.1 Construction Evaluation and Technical Evaluation of Scheduling		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
1.2 Construction Technical Review and Constructability Review		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
1.3 Construction Project Advertising, Bid Analysis, and Award		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
Construction Management											$	-															
2.1 Construction Management	60	$	10,500	180	$	29,700		$	-	360	$	52,200		$	-		$	-		$	-		$	-		$	-
2.2 Construction Oversight and Inspection[3.)]		$	-		$	-		$	-		$	-		$	-	480	$	57,600		$	-		$	-		$	-
2.3 Post Construction Management Services[4.)]	30	$	5,250	90	$	14,850		$	-	180	$	26,100		$	-	120	$	14,400		$	-		$	-		$	-
2.4 Permitting / Coordination	8	$	1,400	36	$	5,940		$	-	36	$	5,220		$	-		$	-		$	-		$	-		$	-
2.5 Office Engineering		$	-		$	-		$	-		$	-	108	$	15,660		$	-		$	-		$	-		$	-
Subtotal:	98	$	17,150	306	$	50,490	0	$	-	576	$	83,520	108	$	15,660	600	$	72,000	0	$	-	0	$	-	0	$	-

Notes:

1.) Overhead Direct Costs Include Cost for Prints, Copies, Mileage, Etc.

2.) Assumes Construction Period of 9 months of part time with Phase III schedule overlap.

3.) Services are Time and Materials as Needed.

4.) Assumes No Training Will be Required by Support Staff.

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

(Job ID: 17-002-S) (Job #: 11424)

Phase II - Regional Conveyance Trunk Sewer

Consulting Fee

				ANSER ADVISORY, LLC								Geocon West, Inc.				UltraSystems		
Construction Survey Principal (Ronald Musser P.L.S.)		Construction Survey Party Chief (Brett Enscoe)		Resident Engineer (Lucas Rathe, P.E., Q.S.D., CCM)		Assistant Resident Engineer (Valerie Wollet, P.E., CCM)		Scheduler/Claims Manager (Shawn Paroline)		Lead Inspector (Kenneth Barker, CMIT)		Deputy Inspector (Erik Bezanson)		Materials Testing (Phillip Stephens)		Environmental Engineering (Michelle Tollett, BA, ISA)		Total
Rate	$ 165.00	Rate	$ 240.00	Rate	$ 210.00	Rate	$ 185.00	Rate	$ 190.00	Rate	$ 175.00	Rate	$ 130.00	Rate	$ 130.00	Rate	$ 135.00	
Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	$
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ -
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ -
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ -
	$ -																	$ -
	$ -		$ -		$ -		$ -		$ -		$ -	10	$ 1,300	20	$ 2,600		$ -	$ 96,300
24	$ 3,960	240	$ 57,600		$ -		$ -		$ -		$ -	120	$ 15,600	500	$ 65,000	80	$ 10,800	$ 210,560
12	$ 1,980	48	$ 11,520		$ -		$ -	24	$ 4,560		$ -	10	$ 1,300	10	$ 1,300		$ -	$ 81,260
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ 12,560
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ 15,660
36	$ 5,940	288	$ 69,120	0	$ -	0	$ -	24	$ 4,560	0	$ -	140	$ 18,200	530	$ 68,900	80	$ 10,800	$ 416,340
																	Overhead Direct Costs: [1.)]	$ 18,875
																	Total: [2.)]	$ 435,215
																	Rounded Total:	**$ 435,200**

Notes:

1.) Overhead Direct Costs Include Cost for Prints, Copies, Mileage, Etc.

2.) Assumes Construction Period of 9 months of part time with Phase III schedule overlap.

3.) Services are Time and Materials as Needed.

4.) Assumes No Training Will be Required by Support Staff.

TKE Engineering, Inc.

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

(Job ID: 17-002-S) (Job #: 11424)

Phase III - GQPP Area M2 Collection System

Consulting Fee

	TKE ENGINEERING, INC.																							
	Principal in Charge (Steven Ledbetter, P.E.)			Overall Construction Manager (Terry Renner, PE, QSD)			Resident Engineer (Robert Doss, P.E., TKE)			Assistant Resident Engineer (Kristine Macalma, EIT)			Office Engineer / Labor Compliance (Marvin Lara, EIT)			Lead Field Inspector (Brad Enscoe)			Lead Field Inspector (Stephen Biscotti)			Inspection Support (Jeff Lantosh)			Electrical Inspection (Michael Conce)		
	Rate	$	175.00	Rate	$	165.00	Rate	$	165.00	Rate	$	145.00	Rate	$	145.00	Rate	$	120.00	Rate	$	120.00	Rate	$	120.00	Rate	$	120.00
Task	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$	Hours		$
Bid Administration																										
1.1 Construction Evaluation and Technical Evaluation of Scheduling		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
1.2 Construction Technical Review and Constructability Review		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
1.3 Construction Project Advertising, Bid Analysis, and Award		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-		$	-
Construction Management											$	-															
2.1 Construction Management	28	$	4,900	224	$	36,960		$	-	420	$	60,900		$	-		$	-		$	-		$	-		$	-
2.2 Construction Oversight and Inspection[3.)]		$	-		$	-		$	-		$	-		$	-		$	-	1,120	$	134,400		$	-		$	-
2.3 Post Construction Management Services[4.)]	12	$	2,100	48	$	7,920		$	-	90	$	13,050		$	-		$	-	120	$	14,400		$	-		$	-
2.4 Permitting / Coordination	14	$	2,450	28	$	4,620		$	-	28	$	4,060		$	-		$	-		$	-		$	-		$	-
2.5 Office Engineering		$	-		$	-		$	-		$	-	204	$	29,580		$	-		$	-		$	-		$	-
Subtotal:	54	$	9,450	300	$	49,500	0	$	-	538	$	78,010	204	$	29,580	0	$	-	1,240	$	148,800	0	$	-	0	$	-

Notes:

1.) Overhead Direct Costs Include Cost for Prints, Copies, Mileage, Etc.

2.) Assumes Construction Period of 17 months of part time with Phase II schedule overlap.

3.) Services are Time and Materials as Needed.

4.) Assumes No Training Will be Required by Support Staff.

Mission Springs Water District

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

(Job ID: 17-002-S) (Job #: 11424)

Phase III - GQPP Area M2 Collection System

Consulting Fee

				ANSER ADVISORY, LLC								Geocon West, Inc.				UltraSystems		
Construction Survey Principal (Ronald Musser P.L.S.)		Construction Survey Party Chief (Brett Enscoe)		Resident Engineer (Lucas Rathe, P.E., Q.S.D., CCM)		Assistant Resident Engineer (Valerie Wollet, P.E., CCM)		Scheduler/Claims Manager (Shawn Paroline)		Lead Inspector (Kenneth Barker, CMIT)		Deputy Inspector (Erik Bezanson)		Materials Testing (Phillip Stephens)		Environmental Engineering (Michelle Tollett, BA, ISA)		Total
Rate	$ 165.00	Rate	$ 240.00	Rate	$ 210.00	Rate	$ 185.00	Rate	$ 190.00	Rate	$ 175.00	Rate	$ 130.00	Rate	$ 130.00	Rate	$ 135.00	
Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	Hours	$	$
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ -
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ -
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ -
	$ -																	$ -
	$ -		$ -		$ -		$ -		$ -		$ -	10	$ 1,300	10	$ 1,300		$ -	$ 105,360
28	$ 4,620	280	$ 67,200		$ -		$ -		$ -		$ -	200	$ 26,000	800	$ 104,000	80	$ 10,800	$ 347,020
6	$ 990	24	$ 5,760		$ -		$ -	24	$ 4,560		$ -	10	$ 1,300	10	$ 1,300		$ -	$ 51,380
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ 11,130
	$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -		$ -	$ 29,580
34	$ 5,610	304	$ 72,960	0	$ -	0	$ -	24	$ 4,560	0	$ -	220	$ 28,600	820	$ 106,600	80	$ 10,800	$ 544,470

Overhead Direct Costs: 1.)	$ 36,525
Total: 2.)	$ 580,995
Rounded Total:	**$ 581,000**

Notes:

1.) Overhead Direct Costs Include Cost for Prints, Copies, Mileage, Etc.

2.) Assumes Construction Period of 17 months of part time with Phase II schedule overlap.

3.) Services are Time and Materials as Needed.

4.) Assumes No Training Will be Required by Support Staff.

TKE Engineering, Inc.

EXHIBIT C

Term, Early Termination & Notice

Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

A. Term of Agreement

This professional services agreement shall be effective upon approval by the parties thereof and shall expire One Hundred-Eighty (180) days following the completion of the overall Project. This contract also terminates and replaces any previous agreements between the District and TKE Engineering, Inc. for Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project in force prior to the effective date of this agreement.

B. Early Termination of Agreement

This agreement may be terminated at any time upon a thirty (30) day written Notice from either party, and without fault or claim for damages by either party.

C. Notice

All correspondence and Notices will be sent to the following addresses as noted below for Mission Springs Water District and TKE Engineering, Inc.

OWNER

Attn: Brian Macy
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
bmacy@mswd.org

CONSULTANT

Attn: Terry Renner
TKE Engineering, Inc.
2305 Chicago Ave.
Riverside, CA 92507
trenner@tkeengineering.com

TKEENGI-01 MBAKER

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/18/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER License # 0C36861 San Diego-Alliant Insurance Services, Inc. 701 B St 6th Fl San Diego, CA 92101	CONTACT NAME: Maddison Baker PHONE (A/C, No, Ext): (509) 343-9550 FAX (A/C, No): E-MAIL ADDRESS: Maddison.Baker@Alliant.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : Hanover American Insurance Company — 36064
INSURED TKE Engineering Inc 2305 Chicago Ave Ste#100 Riverside, CA 92507-6948	INSURER B : California Automobile Insurance Company — 38342
	INSURER C : Travelers Property Casualty Company of America — 25674
	INSURER D :
	INSURER E :
	INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY X PRO-JECT X LOC OTHER:	X		OD3H471223	1/5/2021	1/5/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 1,000,000 $ 5,000 $ 2,000,000 $ 4,000,000 $ 4,000,000
B	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY X SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY			BA040000048572	9/18/2021	9/18/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		UB9J2131842147G	1/5/2021	1/5/2022	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project

Mission Springs Water District, its directors, officers, employees (collectively the District) and authorized volunteers are Additional Insured with respects to General Liability as required by written contract. Coverage is Primary and Non Contributory.

CERTIFICATE HOLDER

Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jennifer Palomoni

OD3H47122300

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESSOWNERS LIABILITY SPECIAL BROADENING ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESSOWNERS COVERAGE FORM

This endorsement amends coverages provided under the Businessowners Coverage Form through new coverages and broader coverage grants. This coverage is subject to the provisions applicable to the Businessowners Coverage Form, except as provided below.

The following changes are made to **SECTION II - LIABILITY:**

1. **Additional Insured by Contract, Agreement or Permit**

   The following is added to **SECTION II - LIABILITY, C. Who Is An Insured:**

   Additional Insured by Contract, Agreement or Permit

   a. Any person or organization with whom you agreed in a written contract, written agreement or permit to add such person or organization as an additional insured on your policy is an additional insured only with respect to liability for "bodily injury", "property damage", or "personal and advertising injury" caused, in whole or in part, by your acts or omissions, or the acts or omissions of those acting on your behalf, but only with respect to:

      (1) "Your work" for the additional insured(s) designated in the contract, agreement or permit;

      (2) Premises you own, rent, lease or occupy; or

      (3) Your maintenance, operation or use of equipment leased to you.

   b. The insurance afforded to such additional insured described above:

      (1) Only applies to the extent permitted by law; and

      (2) Will not be broader than the insurance which you are required by the contract, agreement or permit to provide for such additional insured.

      (3) Applies on a primary basis if that is required by the written contract, written agreement or permit.

      (4) Will not be broader than coverage provided to any other insured.

      (5) Does not apply if the "bodily injury", "property damage" or "personal and advertising injury" is otherwise excluded from coverage under this Coverage Part, including any endorsements thereto.

c. This provision does not apply:

(1) Unless the written contract or written agreement was executed or permit was issued prior to the "bodily injury", "property damage", or "personal injury and advertising injury".

(2) To any person or organization included as an insured by another endorsement issued by us and made part of this Coverage Part.

(3) To any lessor of equipment:

(a) After the equipment lease expires; or

(b) If the "bodily injury", "property damage", "personal and advertising injury" arises out of sole negligence of the lessor.

(4) To any:

(a) Owners or other interests from whom land has been leased if the "occurrence" takes place or the offense is committed after the lease for the land expires; or

(b) Managers or lessors of premises if:

(i) The "occurrence" takes place or the offense is committed after you cease to be a tenant in that premises; or

(ii) The "bodily injury", "property damage", "personal injury" or "advertising injury" arises out of structural alterations, new construction or demolition operations performed by or on behalf of the manager or lessor.

(5) To "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or the failure to render any professional services.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" or the offense which caused the "personal and advertising injury" involved the rendering of or failure to render any professional services by or for you.

d. With respect to the insurance afforded to these additional insureds, the following is added to **SECTION II - LIABILITY, D. Liability and Medical Expense Limits of Insurance**:

The most we will pay on behalf of the additional insured for a covered claim is the lesser of the amount of insurance:

1. Required by the contract, agreement or permit described in Paragraph **a.**; or

2. Available under the applicable Limits of Insurance shown in the Declarations.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations

e. All other insuring agreements, exclusions, and conditions of the policy apply.

2. Additional Insured - Broad Form Vendors

The following is added to **SECTION II - LIABILITY, C. Who Is An Insured:**

Additional Insured - Broad Form Vendors

a. Any person or organization that is a vendor with whom you agreed in a written contract or written agreement to include as an additional insured under this Coverage Part is an insured, but only with respect to liability for "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business.

b. The insurance afforded to such vendor described above:

(1) Only applies to the extent permitted by law;

(2) Will not be broader than the insurance which you are required by the contract or agreement to provide for such vendor;

(3) Will not be broader than coverage provided to any other insured; and

(4) Does not apply if the "bodily injury", "property damage" or "personal and advertising injury" is otherwise excluded from coverage under this Coverage Part, including any endorsements thereto

c. With respect to insurance afforded to such vendors, the following additional exclusions apply:

The insurance afforded to the vendor does not apply to:

(1) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reasons of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the insured would have in the absence of the contract or agreement;

(2) Any express warranty unauthorized by you;

(3) Any physical or chemical change in the product made intentionally by the vendor;

(4) Repackaging, unless unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instruction from the manufacturer, and then repackaged in the original container;

(5) Any failure to make such inspection, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business in connection with the sale of the product;

(6) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;

(7) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor;

(8) "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:

(a) The exceptions contained within the exclusion in subparagraphs **(4)** or **(6)** above; or

(b) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.

(9) "Bodily injury" or "property damage" arising out of an "occurrence" that took place before you have signed the contract or agreement with the vendor.

(10) To any person or organization included as an insured by another endorsement issued by us and made part of this Coverage Part.

(11) Any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.

d. With respect to the insurance afforded to these vendors, the following is added to **SECTION II - LIABILITY, D. Liability and Medical Expense Limits of Insurance**:

The most we will pay on behalf of the vendor for a covered claim is the lesser of the amount of insurance:

1. Required by the contract or agreement described in Paragraph **a.**; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

3. Alienated Premises

SECTION II - LIABILITY, B. Exclusions, 1. Applicable To Business Liability Coverage k. Damage to Property, paragraph **(2)** is replaced by the following:

(2) Premises you sell, give away or abandon, if the "property damage" arises out of any part of those premises and occurred from hazards that were known by you, or should have reasonably been known by you, at the time the property was transferred or abandoned.

4. Broad Form Property Damage - Borrowed Equipment, Customers Goods, Use of Elevators

a. The following is added to **SECTION II - LIABILITY, B. Exclusions, 1. Applicable To Business Liability Coverage, k. Damage to Property**:

Paragraph **(4)** does not apply to "property damage" to borrowed equipment while at a jobsite and not being used to perform operations.

Paragraph **(3), (4)** and **(6)** do not apply to "property damage" to "customers goods" while on your premises nor to the use of elevators.

b. For the purposes of this endorsement, the following definition is added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions:**

1. "Customers goods" means property of your customer on your premises for the purpose of being:
   a. Worked on; or
   b. Used in your manufacturing process.

c. The insurance afforded under this provision is excess over any other valid and collectible property insurance (including deductible) available to the insured whether primary, excess, contingent or on any other basis.

5. Incidental Malpractice - Employed Nurses, EMT's and Paramedics

SECTION II - LIABILITY, C. Who Is An Insured, paragraph **2.a.(1)(d)** does not apply to a nurse,

emergency medical technician or paramedic employed by you if you are not engaged in the business or occupation of providing medical, paramedical, surgical, dental, x-ray or nursing services.

6. **Personal Injury - Broad Form**

   a. **SECTION II - LIABILITY, B. Exclusions, 2. Additional Exclusions Applicable only to "Personal and Advertising Injury",** paragraph **e.** is deleted.

   b. **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions, 14.** "Personal and advertising injury", paragraph **b.** is replaced by the following:

      b. Malicious prosecution or abuse of process.

   c. The following is added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions,** Definition **14.** "Personal and advertising injury":

      "Discrimination" (unless insurance thereof is prohibited by law) that results in injury to the feelings or reputation of a natural person, but only if such "discrimination" is:

      (1) Not done intentionally by or at the direction of:

         (a) The insured;

         (b) Any officer of the corporation, director, stockholder, partner or member of the insured; and

      (2) Not directly or indirectly related to an "employee", not to the employment, prospective employment or termination of any person or persons by an insured.

   d. For purposes of this endorsement, the following definition is added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions:**

      1. "Discrimination" means the unlawful treatment of individuals based upon race, color, ethnic origin, gender, religion, age, or sexual preference. "Discrimination" does not include the unlawful treatment of individuals based upon developmental, physical, cognitive, mental, sensory or emotional impairment or any combination of these.

   e. This coverage does not apply if liability coverage for "personal and advertising injury" is excluded either by the provisions of the Coverage Form or any endorsement thereto.

7. **Product Recall Expense**

   a. **SECTION II - LIABILITY, B. Exclusions, 1. Applicable To Business Liability Coverage, o. Recall of Products, Work or Impaired Property** is replaced by the following:

      o. Recall of Products, Work or Impaired Property

      Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

      (1) "Your product";

      (2) "Your work"; or

      (3) "Impaired property";

      If such product, work or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it, but this exclusion does not apply to "product recall expenses" that you incur for the "covered recall" of "your product".

      However, the exception to the exclusion does not apply to "product recall expenses" resulting from:

      (4) Failure of any products to accomplish their intended purpose;

      (5) Breach of warranties of fitness, quality, durability or performance;

      (6) Loss of customer approval, or any cost incurred to regain customer approval;

      (7) Redistribution or replacement of "your product" which has been recalled by like products or substitutes;

      (8) Caprice or whim of the insured;

      (9) A condition likely to cause loss of which any insured knew or had reason to know at the inception of this insurance;

      (10) Asbestos, including loss, damage or clean up resulting from asbestos or asbestos containing materials; or

      (11) Recall of "your products" that have no known or suspected defect solely because a known or suspected defect in another of "your products" has been found.

   b. The following is added to **SECTION II - LIABILITY, C. Who Is An Insured,** paragraph **3.b.**:

      "Product recall expense" arising out of any withdrawal or recall that occurred before you acquired or formed the organization.

c. The following is added to **SECTION II - LIABILITY, D. Liability and Medical Expenses Limits of Insurance**:

Product Recall Expense Limits of Insurance

a. The Limits of Insurance shown in the SUMMARY OF COVERAGES of this endorsement and the rules stated below fix the most that we will pay under this Product Recall Expense Coverage regardless of the number of:

(1) Insureds;

(2) "Covered Recalls" initiated; or

(3) Number of "your products" withdrawn.

b. The Product Recall Expense Aggregate Limit is the most that we will reimburse you for the sum of all "product recall expenses" incurred for all "covered recalls" initiated during the policy period.

c. The Product Recall Each Occurrence Limit is the most we will pay in connection with any one defect or deficiency.

d. All "product recall expenses" in connection with substantially the same general harmful condition will be deemed to arise out of the same defect or deficiency and considered one "occurrence".

e. Any amount reimbursed for "product recall expenses" in connection with any one "occurrence" will reduce the amount of the Product Recall Expense Aggregate Limit available for reimbursement of "product recall expenses" in connection with any other defect or deficiency.

f. If the Product Recall Expense Aggregate Limit has been reduced by reimbursement of "product recall expenses" to an amount that is less than the Product Recall Expense Each Occurrence Limit, the remaining Aggregate Limit is the most that will be available for reimbursement of "product recall expenses" in connection with any other defect or deficiency.

g. **Product Recall Deductible**

We will only pay for the amount of "product recall expenses" which are in excess of the $500 Product Recall Deductible. The Product Recall Deductible applies separately to each "covered recall". The limits of insurance will not be reduced by the amount of this deductible.

We may, or will if required by law, pay all or any part of any deductible amount, if applicable. Upon notice of our payment of a deductible amount, you shall promptly reimburse us for the part of the deductible amount we paid.

The Product Recall Expense Limits of Insurance apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for the purposes of determining the Limits of Insurance.

d. The following is added to **SECTION II - LIABILITY, E. Liability and Medical Expense General Conditions, 2. Duties in the Event of Occurrence, Offense, Claim or Suit**:

You must see to it that the following are done in the event of an actual or anticipated "covered recall" that may result in "product recall expense":

(1) Give us prompt notice of any discovery or notification that "your product" must be withdrawn or recalled. Include a description of "your product" and the reason for the withdrawal or recall;

(2) Cease any further release, shipment, consignment or any other method of distribution of like or similar products until it has been determined that all such products are free from defects that could be a cause of loss under this insurance.

e. For the purpoess of this endorsement, the following definitions are added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions:**

1. "Covered recall" means a recall made necessary because you or a government body has determined that a known or suspected defect, deficiency, inadequacy, or dangerous condition in "your product" has resulted or will result in "bodily injury" or "property damage".

2. "Product recall expense(s)" means:

a. Necessary and reasonable expenses for:

(1) Communications, including radio or television announcements or printed advertisements including stationary, envelopes and postage;

(2) Shipping the recalled products from any purchaser, distributor or user to the place or places designated by you;

(3) Remuneration paid to your regular "employees" for necessary overtime;

(4) Hiring additional persons, other than your regular "employees";

(5) Expenses incurred by "employees" including transportation and accommodations;

(6) Expenses to rent additional warehouse or storage space;

(7) Disposal of "your product", but only to the extent that specific methods of destruction other than those employed for trash discarding or disposal are required to avoid "bodily injury" or "property damage" as a result of such disposal,

you incur exclusively for the purpose of recalling "your product"; and

b. Your lost profit resulting from such "covered recall".

f. This Product Recall Expense Coverage does not apply:

(1) If the "products - completed operations hazard" is excluded from coverage under this Coverage Part including any endorsement thereto; or

(2) To "product recall expense" arising out of any of "your products" that are otherwise excluded from coverage under this Coverage Part including endorsements thereto.

8. **Unintentional Failure to Disclose Hazards**

The following is added to **SECTION II - LIABILITY, E. Liability and Medical Expenses General Conditions:**

Representations

We will not disclaim coverage under this Coverage Part if you fail to disclose all hazards existing as of the inception date of the policy provided such failure is not intentional.

9. **Unintentional Failure to Notify**

The following is added to **SECTION II - LIABILITY, E. Liability and Medical Expenses General Conditions, 2. Duties in the Event of Occurrence, Offense, Claim or Suit:**

Your rights afforded under this Coverage Part shall not be prejudiced if you fail to give us notice of an "occurrence", offense, claim or "suit", solely due to your reasonable and documented belief that the "bodily injury", "property damage" or "personal and advertising injury" is not covered under this Policy.

ALL OTHER TERMS, CONDITIONS, AND EXCLUSIONS REMAIN UNCHANGED.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 11/18/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Midwest, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com
INSURED TKE Engineering, Inc. 2305 Chicago Avenue Riverside, CA 92507	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Liberty Insurance Underwriters Inc — 19917 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** W22906377 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	☐ OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ PER STATUTE ☐ OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ N / A (Mandatory in NH)						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			AEXNYABCETE004	10/15/2021	10/15/2022	Per Claim:	$1,000,000
							Annual Aggregate:	$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project: Construction Management, Inspection and Related Services for the Regional Water Reclamation Facility Construction Project.

CERTIFICATE HOLDER

Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE