

NOTICE OF ENGINEERING COMMITTEE MEETING

Covering Design, Construction, Capital Improvement,
Master Plan and other Engineering, Operational and
Planning Related Matters

NOTICE IS HEREBY GIVEN that the San Lorenzo Valley Water District has called a meeting of the Engineering Committee to be held on **Thursday, February 6, 2020 1:30 p.m.**, at the Operations Building, 13057 Highway 9, Boulder Creek, California.

AGENDA

1. Convene Meeting/Roll Call
2. Oral Communications
This portion of the agenda is reserved for Oral Communications by the public for items which are not on the Agenda. Please understand that California law (The Brown Act) limits what the Board can do regarding issues raised during Oral Communication. No action or discussion may occur on issues outside of those already listed on today's agenda. Any person may address the Committee at this time, on any subject that lies within the jurisdiction of the District. Normally, presentations must not exceed five (5) minutes in length, and individuals may only speak once during Oral Communications. Any Director may request that the matter be placed on a future agenda or staff may be directed to provide a brief response.
3. Old Business:
Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agendized items.
 - A. REQUEST FOR PROPOSALS FOR LOMPICO TANKS CONSTRUCTION MANAGEMENT
Discussion and possible action by the Committee regarding the update from the Engineering Manager of the RFP for Construction Management of the Lompico Tanks.
 - B. LYON SLIDE PROJECT
Discussion and possible action by the Committee regarding the update on the current status of the Lyon Slide.
4. New Business:
Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agendized items.
 - A. ENGINEERING PROJECTS IN PROCESS
Discussion by the Committee regarding the active Engineering Projects.

5. Informational Material: None.
6. Adjournment

In compliance with the requirements of Title II of the American Disabilities Act of 1990, the San Lorenzo Valley Water District requires that any person in need of any type of special equipment, assistance or accommodation(s) in order to communicate at the District's Public Meeting can contact the District Office at (831) 338-2153 a minimum of 72 hours prior to the scheduled meeting.

Agenda documents, including materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet, are available for public inspection and may be reviewed at the office of the District Secretary, 13060 Highway 9, Boulder Creek, CA 95006 during normal business hours. Such documents may also be available on the District website at www.slvwd.com subject to staff's ability to post the documents before the meeting.

Certification of Posting

I hereby certify that on January 31, 2020, I posted a copy of the foregoing agenda in the outside display case at the District Office, 13060 Highway 9, Boulder Creek, California, said time being at least 72 hours in advance of the meeting of the Engineering Committee of the San Lorenzo Valley Water District in compliance with California Government Code Section 54956.

Executed at Boulder Creek, California, on January 31, 2020.

Holly B. Hossack, District Secretary
San Lorenzo Valley Water District



San Lorenzo Valley Water District Construction Management Services for the Lompico Tanks Replacement Project

Proposal
January 30, 2020

Lewis Tanks
Kaski Tanks
Madrone Tanks



*Photo of Probation Tank
Design and construction management by MME*





January 29, 2020

Darren Langfield, District Engineer

San Lorenzo Valley Water District
13060 Highway 9
Boulder Creek, CA 95006

**Re: Construction Management Services Proposal for the
Lompico Tanks Replacement**

MME Project No: 19168

Dear Darren,

I am excited to present you with our Proposal. We hope you will agree we are ideally suited to help San Lorenzo Valley Water District manage this six-tank project.

- **Our Work Experience Aligns with Your Projects:** Our firm specializes in construction management and engineering design of critical public works improvements such as water systems, storm water and sewer systems, tanks and reservoirs, intersections and roadways, and bridges. Our expertise in designing and managing the award-winning Probation Tank Replacement project will be essential in helping us to delivering another successful tank project to the District customers.
- **Quality Staff is our Hallmark:** The quality of our personnel is the heart of our firm. We reward loyalty and all of our senior staff members have chosen to dedicate their careers to serving with our firm. Together we have helped our clients build a portfolio of technically challenging projects including pipeline replacements, water tank rehabilitation, large retaining walls, busy intersections, critical bridges and lifeline roadways.
- **Expert with Local and State Procedures:** Our team has developed long term relationships with local and regional permit agency staff by consistently preparing quality plans and reports and this helps us to routinely secure permits and approvals; for example, from Santa Cruz County, CalTrans, PG&E, Fish and Wildlife, and the Regional Board.
- **We Know Santa Cruz County:** Our local team is deeply familiar with Santa Cruz County's unique traffic, water, geotechnical, survey and environmental conditions so we can provide efficient, appropriate, and cost effective services. From our downtown Santa Cruz location, we can meet you face to face in your office in less than 40 minutes. Our location and experience enable us to deliver projects faster than teams from out of the area.

Both I, and several of our engineers live in the Santa Cruz Mountains and we would be proud to work on another important local project with you. I look forward to working with you and the San Lorenzo Valley Water District team again!

Respectfully submitted,

Rodney Cahill
Principal
rodney@m-me.com



2.0 Project Description and Approach

This project is the construction management of the construction of six new bolted steel water tanks to replace five old redwood tanks at three sites in the Lompico area. The objectives will be to improve drinking and fire-fighting water storage for the Lompico community at a reasonable cost and prompt schedule.

Our approach to assisting the District is to work closely with our team of special inspection experts to provide detailed and comprehensive construction supervision. We will be onsite daily to observe and document construction and will manage all communication with the contractor on your behalf.

We will subcontract with the Geotechnical Engineer of Record, Pacific Crest Engineering Inc. for the observation and testing of all grading and earthwork including foundation excavations and utility trenches. We will subcontract with Smith-Emery to provide inspections and testing for asphalt placement observation and compaction testing, concrete sampling and cylinder compression testing, miscellaneous steel welding for appurtenances, ladders & handrails. MME will provide inspections of the foundation rebar reinforcement, field tank bolting, storm drains, water piping and conduits. MME will create daily logs including photographic documentation of the construction progress.

The best way to ensure project success is to vigorously study the construction documents and communicate expectations to the Contractor. While the project plans and specifications fully address the responsibilities of the Contractor, project critical aspects of their duties are listed below with MME's approach to satisfy these requirements:

- 1) Prior to receiving Notice to Proceed, the Contractor shall submit a Site Specific Safety Plan. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs. Contractor is responsible for site conditions during the course of construction of the project including safety of all persons and property. These requirements apply continuously twenty-four hours a day every day until final acceptance of the work. The Contractor shall designate a responsible member of their organization at the site whose duty shall be the prevention of hazards and accidents. The duties of the San Lorenzo Valley Water District, Engineer and Inspector do not include review of the adequacy of the Contractor's safety measures in, on, or about the site and vicinity.
- 2) This project requires the Contractor, or any subcontractor hired by Contractor, to pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. The Contractor shall submit, and require each Subcontractor under him to submit a verified statement of the journeyman and apprentice hours performed on the Contract. Certified copies of all employee payroll records shall be provided with each progress payment. MME will subcontract with 360PSM for labor compliance monitoring services including determination of the specific labor standards and dates of effect for wages. 360PSM will maintain all compliance files and documents relating to prevailing wage with the prime contractor and subcontractors.
- 3) Simultaneously with the execution of the Contract Agreement, the Contractor shall submit estimated progress schedule in chart form indicating the date that each part of the work will be started and completed, and indicating a schedule of the required



submittals including shop drawings, samples, lists of materials and equipment, equipment data, and instruction manuals. The project contract time is established as 300 calendar days from the date of receipt of the Notice to Proceed. The Contractor shall revise the approved progress schedule at monthly intervals. Each revised schedule shall be submitted for approval simultaneously with the Contractor's application for progress payment for the same time period. The fixed liquidated damages is established as \$500 for each calendar day of unauthorized delay in the completion of the work.

- 4) The design of the steel bolted potable water tanks and the tank foundations are a deferred submittal and will be the responsibility of the Contractor. The bolted steel tank design shall conform to the requirements of AWWA D103-09, standard for Factory-Coated Bolted Carbon Steel Tanks for Water Storage. The design calculations must be signed by a Civil or Structural Engineer registered in the State of California and are subject to the approval of the Engineer of Record. Design data is supplied in the project plans for the basis of design for the tanks at each site. The tank manufacturer's engineer shall utilize the design data contained in the plans and foundation design contained in the soils report. The tank manufacturer shall furnish, erect and test the tank as required by AWWA D103. Field erection of the tanks shall be performed by tank manufacturer's employees or certified erection crew to alleviate any potential disputes in coating quality or erection thereof. Prior to placing water in the tank, a "holiday" inspection of the entire tank, corners included, will be provided and performed by the manufacturer in the presence of the owner.

The work at each site is similar and includes the installation of temporary tanks to maintain water storage and service during the duration of the construction. After the temporary water tanks are installed and operational, the old infrastructure is to be demolished and removed from the site. New underground utilities will be installed for the new tanks. A more detailed description of the work at each site can be found below:

Madrone Site

- Harvest and remove two trees. Tree removal shall be performed by a Licensed Timber Operator (LTO). The LTO shall submit the permit exception form to Cal Fire at least two weeks prior to starting tree removal work.
- Provide four temporary tanks to maintain uninterrupted water service during construction.
- Demolish existing two redwood tanks and concrete foundations. Remove existing underground utility pipes. Contractor shall establish new temporary benchmarks prior to demolishing existing temporary benchmarks.
- Install new 25' power pole and electrical panel. Grade and compact the tank site, total estimated site grading is 40 cubic yards.
- Install new steel bolted water tanks on concrete ring foundations with appurtenances, yard piping, site paving and fencing.
- Remove temporary tanks and piping.

Lewis Site

- Demolition of Lompico Well No.5 shall be performed by a well drilling contractor with a valid C-57 license. A well destruction permit from the Santa Cruz County Division of Environmental Health is required by project specifications. The well drilling contractor



shall submit complete records of the well destruction procedure to provide a record that the hole was properly sealed.

- Provide four temporary tanks to maintain uninterrupted water service during construction.
- Demolish existing treatment building, including all equipment inside building, sludge infrastructure, remove filter vessels, remove remains of treatment tower & metal framing.
- Demolish existing redwood tank and mudsill blocks. Remove existing asphalt pavement and abandoned underground utility pipes within the SLVWD property. Contractor shall establish new temporary benchmarks prior to demolishing existing temporary benchmarks.
- Grade and compact the tank site, total estimated site grading is 250 cubic yards.
- Install new 25' power pole and electrical panel.
- Install new steel bolted water tanks on concrete ring foundations with appurtenances, yard piping, site paving and fencing.
- Remove temporary tanks and piping.

Kaski Site

- Provide two temporary tanks to maintain uninterrupted water service during construction.
- Grade and compact the tank site, total estimated site grading is 200 cubic yards.
- Harvest and remove two redwood trees. Tree removal shall be performed by a Licensed Timber Operator (LTO). The LTO shall submit the permit exception form to Cal Fire at least two weeks prior to starting tree removal work.
- Demo existing two redwood tanks and concrete foundations. Remove existing underground utility pipes. Contractor shall establish new temporary benchmarks prior to demolishing existing temporary benchmarks.
- Install new 25' power pole and electrical panel.
- Install new steel bolted water tanks on concrete ring foundations with appurtenances, yard piping, site paving and fencing.
- Remove temporary tanks and piping.



3.0 Identification of Prime Consultant

- i. Mesiti-Miller Engineering, Inc., dba MME Civil + Structural Engineering
- ii. State of California Certified Small Business (SB/Micro) Supplier ID #4797
- iii. Not a Subsidiary
- iv. Rodney Cahill, Principal
224 Walnut Ave, Suite B
Santa Cruz, CA 95060
831-426-3186 x. 101
rodney@m-me.com
- v. Licensed Engineers: 6
Engineers in Training: 3
Administrative / Office staff: 2
- vi. MME was established over 30 years ago to provide professional civil and structural engineering services to both public and private sector clients in the central California area. Our clients generally include cities, counties, districts, universities and schools.

The practice is generally directed toward public works infrastructure, civil and structural design, pipelines, tanks, roads, buildings, bridges, retaining walls, and near shore marine facilities and associated site improvements, street improvements and trails.

Our firm is pleased to offer a full range of professional engineering services, including project planning and feasibility studies, conceptual design, design development, construction document preparation, construction phase services and forensic studies and investigations.

MME has never filed for bankruptcy. Over the past five years, with more than 500 successfully completed projects, MME has not been involved in any projects that have resulted in litigation or arbitration. However, one design project we were involved in was referred to mediation to resolve the construction schedule and was successfully settled:

Santa Cruz Metropolitan Transit District Operations Building
MME Project 99171-30, Santa Cruz. CA

Please review our Firm Resume on the following page for a detailed summary of our qualifications.



Walton Lighthouse



Seymour Marine Discovery Center



Shugart Park Bridge



CSUMB 8th Ave. Roundabout

3.1 Prime Consultant Qualifications

MME was established over 30 years ago to provide professional civil and structural engineering services to both public and private sector clients in the central California area. Our clients generally include cities, counties, districts, and other municipal entities; universities, and schools.

The practice is generally directed toward the engineering design and construction management of buildings, bridges, retaining walls, and near shore marine facilities and associated site improvements, such as grading and drainage, parking facilities, street improvements, water and sewer systems and utility service extensions.

Our expertise lies in the following areas:

- Water Systems and Tanks
- Storm water and sewer systems
- Retaining walls
- Slope Stability and Repairs
- Site planning and improvements
- Vehicular and pedestrian bridges
- Utility system extensions
- Streets, intersections and roadways
- Building structural systems
- Structural retrofits and repairs
- Trails, greenways, and bikeways
- Schools and parks

Dale Hendsbee, S.E and Rodney Cahill, C.E. direct a talented staff of eleven licensed civil and structural engineers, engineers-in-training and administrative personnel.

Our firm is pleased to offer a full range of professional engineering services, including project planning and feasibility studies, conceptual design, design development, construction document preparation, construction phase services and forensic studies and investigations. Depending on client needs, we can function as a consultant to the project team or as the project prime professional responsible for selection and management of the design team.

Our State of California Certified Small Business (SB/Micro) Supplier ID is #4797.

We are committed to maintaining state-of-the-art professionalism in our practice of engineering. Our engineers use the latest design technology and we continually update our extensive library of codes, design manuals and portfolio of specialized engineering analysis software. Continued education remains an ongoing endeavor to stay current in our industry and performing at our highest level.

In support of our commitment to provide excellent service we carry Professional Liability insurance (errors and omissions) with limits of \$2,000,000 per claim and \$2,000,000 in the aggregate. We also carry General Liability, Automobile Liability, Worker's Compensation and Employer's Liability insurance policies in the amount of \$1,000,000 each.

MME is absolutely dedicated to providing quality in the constructed project. This philosophy demands high standards of professional service, responsibility to client needs, timeliness, efficiency and pride of workmanship. We are focused on adding value to the project. Accordingly, it is essential to explore several solutions to any given challenge. Only then can the ideal, and often unique, solution be selected. The benefits of our thorough and pro-active approach results in projects with superior performance, enhanced durability, maximum cost-effectiveness and more uniform levels of safety that serve our clients well for years to come.



4.0 Identification of Sub Consultants

4.1 Geotechnical Services Sub Consultant

- i. Pacific Crest Engineering, Inc.
444 Airport Boulevard, Suite 106
Watsonville, CA 95076
- ii. Elizabeth Mitchell, President / Principal Geotechnical Engineer
444 Airport Boulevard, Suite 106
Watsonville, CA 95076
831-722-9446 x. 3617
elizabeth@pacengineering.net
- iii.

Geotechnical Engineers:	2	Staff Engineers/Geologists:	4
Staff Engineers/Geologists:	4	Field / Lab Technicians:	6
Civil Engineers:	1	Chemical Engineers:	1
Support Personnel:	2		
- iv. Pacific Crest Engineering is a local firm providing full service geotechnical, materials testing, special inspection and environmental engineering consulting services to the public and private sectors of the Monterey Bay area. They are a certified woman-owned DBE (#41551) and Small Business (#47199) with the State of California. They are also recognized by the Joint Utilities as a certified Women Business Enterprise (#15060114).

Established in 2001, their office has been locally established in Watsonville, California for 19 years, which means their entire staff is centrally located and committed to meeting the project needs with efficiency and expedience.

Pacific Crest Engineering is well experienced in local municipal and public works projects, including performing geotechnical engineering projects for the County of Santa Cruz, Soquel Creek Water District, San Lorenzo Valley Water District, the City of Santa Cruz, the City of Watsonville and the University of California, among others. Several of members of the Pacific Crest Engineering team have 30 years or more of experience in the Monterey County area, comprising several hundred projects that include geotechnical studies for water tanks, roadways, multi-use trails, pipelines, public works improvements, bridges, utilities and below ground structures. Pacific Crest Engineering has never filed for bankruptcy. Out of over 2,100 projects completed since 2001, one Pacific Crest contract has been named in matters where litigation against us was initiated in the past five years:

Morgan Hill Courthouse, PCE Project 02105, Santa Clara County, CA

No other contracts or subcontracts are in default or have been terminated.



4.2 Testing and Special Inspections Sub Consultant

- i. Smith-Emery San Francisco
1940 Oakdale Avenue
San Francisco, CA 94124
- ii. Monica Kahler, Sr. Project Manager
1940 Oakdale Avenue
San Francisco, CA 94124
415-642-7326
mkahler@smithemerysf.com
- iii. Special Inspectors: 300 (company wide)
Civil Engineers: 8 (company wide)
Senior Managers & Project Managers: 15 (company wide)
- iv. Smith-Emery has been in business since 1904 (116 years). The firm originated in San Francisco. Smith-Emery has no bankruptcy filings to report; they have not been terminated, nor in default, nor had claims made against their firm that resulted in litigation or arbitration in the last five years.



4.3 Labor Compliance Sub Consultant

- i. 360PSM
19024 Fieldstone Court
Salinas, CA 93908
- ii. Catalina Ferreto, President
19024 Fieldstone Court
Salinas, CA 93908
831-500-1263
catalina@360psm.com
- iii. Labor Compliance Monitoring Officer – Analyst: 1 (Catalina Ferreto)
Labor Compliance Analyst: 1 (Fulvio Cajina)
- iv. 360PSM serves government agencies by providing services of monitoring Labor Compliance Prevailing Wages, Public Outreach, Document Control, and monitoring Disadvantaged Business Enterprise (DBE) participation to satisfy requirements of State and Federal grant funding.

360PSM is a State of California Certified Disadvantaged Business Enterprise (DBE #45909) founded in 2018 by Catalina Ferreto and is a Sole Proprietorship business. The company was created with the goal of assisting agencies on implementing infrastructure projects with support services. 360PSM supplies agencies with services such as public outreach, monitor contractor compliance with all the applicable payment of prevailing wages and requirements of the contract provisions, document controls, and general management consulting services.

360PSM has never filed for bankruptcy; has never had a contract terminated or in default, and has never had a claim made against it that resulted in litigation or arbitration.



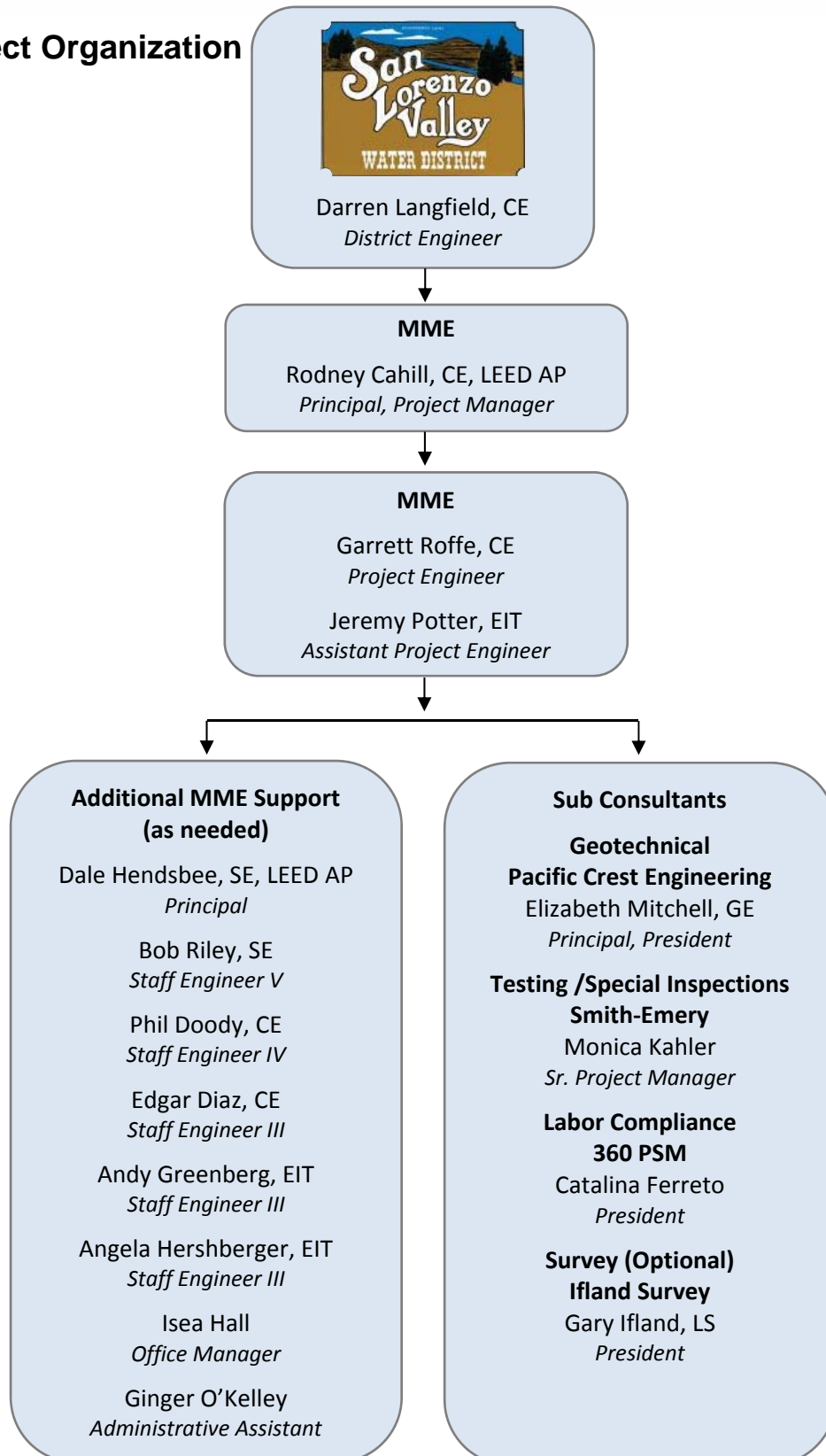
4.4 Survey Sub Consultant (Optional)

- i. Gary Ifland & Associates, Inc., dba Ifland Survey
5300 Soquel Avenue, Suite 101
Santa Cruz, CA 95062
- ii. Gary Ifland, President
5300 Soquel Avenue, Suite 101
Santa Cruz, CA 95062
(831) 426-7941 x301
gary@iflandsurvey.com
- iii. Licensed Land Surveyors: 2
Field Survey Technicians: 2
Administrative / Office staff: 1
- iv. IFLAND SURVEY is a professional land surveying and mapping firm based in Santa Cruz, CA. Founded in 1995, the firm's professional and technical staff is skilled and equipped to provide complete surveying and mapping services throughout the SF and Monterey Bay areas. They utilize advanced technologies including robotic total stations, drones (UAV), 3D laser scanners, and GPS units, combined with industry leading software by Autodesk (AutoCAD Civil3d), Trimble (Business Center and Realworks) and Pix4D (photogrammetry software). Ifland Survey is a certified SB/ Micro Business with the State of California and they maintain all of the typically required insurance coverages including \$2M / \$1M Professional Liability Insurance.

Ifland Survey has no filings of bankruptcy, and no terminated contracts, no contracts in default or have any claims made against them resulting in litigation or arbitration.



5.0 Project Organization



**Education**

Bachelor of Civil Engineering, 2000
Queensland University of Technology
Australia

Diploma of Civil Engineering,
Northern Territory University
Australia, 1996

Registration

Civil Engineer
State of California, 2005
No. 67728

LEED Accredited Professional
Green Building Cert. Institute, 2009

Qualified SWPPP Developer and
Practitioner, No. 20301, 2011

Cal OES Safety Assessment Program,
No. 78583, 2016

Professional Affiliations

American Public Works Association,
Monterey Bay Area Chapter
President, 2019

American Society of Civil Engineers

U.S. Green Building Council

Rodney Cahill, C.E., LEED AP

Principal

Professional Qualifications

For over 20 years Rodney Cahill has provided professional civil engineering services focusing on long-term client relationships, innovative design, and responsible project management. Rodney joined MME in 2008 and became a firm owner in 2015.

Rodney helps our clients achieve their goals by providing engineering leadership in all project phases from feasibility assessment to alternatives analysis, schematic design, cost estimating, final design, specifications, permitting, bidding support, scheduling and construction management.

Mr. Cahill's background is in design and management of a diverse portfolio of projects from public works and capital improvements, to roads and intersections, roundabouts, commercial buildings, bridges, harbors, ports, water tanks, pipelines, pedestrian and bicycle trails, retaining walls, parks, schools and universities, libraries, sports fields, coastal repairs, and landslide stabilizations.

Rodney's technical expertise includes site design and layout, three dimensional grading plans, road and pipeline alignments and profiles, hydrologic and hydraulic modeling, drainage analysis and design, topographic surveying and preparation of contour maps, erosion control plans, and utility upgrades.

Rodney specializes in taking proactive approach to solving engineering challenges for our clients using both creative and practical design solutions for the construction of an innovative built environment. This strategy has resulted in a strong network of client relationships and a portfolio of successful projects.

**Education**

B.S. Civil Engineering, 2008
California Polytechnic State University,
San Luis Obispo

Registration

Civil Engineer
State of California
No. 79596

Professional Affiliations

American Society of Civil Engineers
Structural Engineers Association of
Northern California

Garrett Roffe, P.E.

Engineer III

Professional Qualifications

Mr. Roffe has over nine years of structural engineering experience and has been with MME since 2011. He has worked on a variety of projects including commercial, educational, residential, and municipal facilities in various locations across the United States.

He is well versed in mechanics of materials and applying sound engineering principles to analysis. The use of steel, concrete, wood, and masonry materials, along with computer modeling techniques allows his designs to meet current code standards.

Mr. Roffe is experienced in the analysis, design and development of construction documents including engineering calculations, drawings and technical specifications.

Mr. Roffe is experienced in construction administration for a variety of projects. Garrett performs field observations, documenting working conditions, preparing field reports, site observation logs, and progress reports, reviewing shop drawings for conformance with the construction documents and, responding to RFI's and change orders with exemplary attention to detail. His design skills have proved useful during construction as Garrett is able to correctly interpret the construction documents and guide owners and contractors so the as-built construction conforms to the original design intent.

He regularly utilizes structural analysis software such as TEDDS, RISA, Enecalc, PCA column and other specialized programs; and is proficient at producing design drawings using AutoCAD software.

Garrett has also been intimately involved in the design of solar support structures for building roof, parking canopy and ground mounted PV systems.

**Education**

B.S. Environmental Resources
Engineering, 2018
Humboldt State University

Certifications

Engineer in Training (EIT), 2019
State of California

Professional Affiliations

Engineers without Borders
American Society of Civil Engineers

Jeremy Potter, E.I.T.

Engineer II

Professional Qualifications

Jeremy joined MME in 2018 after receiving his Engineering degree from Humboldt State University. While there, his primary technical focus was watershed hydrology, storm drainage, and water distribution.

He has practical experience with hydrologic and hydraulic modeling using a variety of software including EPANet, HEC-RAS, StormCAD, win-TR-55, and HydroCAD. Other software proficiencies include AutoCAD Civil 3D specifically working with 3D surfaces and grading, site plans, details, and profiles.

Jeremy has extensive experience in the construction and industrial field as a construction/iron worker, welder, plumber, stationary engineer and other trades that are advantageous to his insight in planning and design. This considerable hands-on experience enables him to conceptualize the application of design and mitigate potential problems before construction.



5.2 Experience of Project Manager and Team

Rodney Cahill is a licensed Civil Engineer with over 20 years of experience. Rodney joined MME in 2008 and became a firm owner in 2015. He believes in focusing on long-term client relationships, innovative design, and responsible project management.

Rodney helps our clients achieve their goals by providing engineering leadership in all project phases from feasibility assessment to alternatives analysis, schematic design, cost estimating, final design, specifications, permitting, bidding support, scheduling and construction.

Mr. Cahill's background is in design and construction management of a diverse portfolio of projects from public works and capital improvements, to roads and intersections, roundabouts, commercial buildings, bridges, harbors, ports, water tanks, pipelines, pedestrian and bicycle trails, retaining walls, parks, schools and universities, libraries, sports fields, coastal repairs, and landslide stabilizations.

Rodney's recent experience in Design and Construction Management for the award-winning Probation Tank will be instrumental in his ability to complete this project successfully. Rodney was involved in checking all site daily logs, reviewing submittal responses, monitoring concerns and providing oversight during this complex and environmentally sensitive project. Although the Probation Tank was a larger tank, site welded, and field coated, and it required major retaining walls to level the site, these experiences in working with the District to manage the construction project will be directly beneficial to the Lompico project.

Garrett Roffe is a licensed Civil Engineer with 12 years of professional experience in project management and engineering design. He served as the Resident Engineer for the Santa Cruz Port District during the 2011 Tsunami Damage Repairs at the Santa Cruz Harbor. He successfully managed the Huckleberry Island Emergency Bridge Replacement Project in Brookdale, California that provided a new 110' long steel bridge across the San Lorenzo River. With experience in both construction and design, including EOR for the storm damage repairs to Upper Park Road for the City of Santa Cruz, Garrett is familiar with interpreting construction documents and coordinating construction efforts to meet the design professional's requirements. Garrett attended San Lorenzo Valley High School before attending Cabrillo College and Cal Poly and is looking forward to working professionally in this community.

Jeremy Potter, EIT will provide assistance to support Garret during concurrent construction of two tank sites with site observations and bolting inspections. Jeremy assisted Tommy Munro with daily observations once per week at Probation Tank and will bring his recent experience to the Lompico project.

Our project team is the best in the area. MME has developed a reputation over 30 years for quality service, ingenuity and experience. We are proud to have over five employees with over ten years of service at the firm, and this gives the District steady and reliable partners with institutional knowledge and long-term familiarity that will help the District's project succeed. Rodney and Garret have worked together for 10 years on hundreds of successful projects.

We have worked with our sub-consultants on many projects over the years and have developed excellent teamwork and we work together very efficiently.



5.3 Project Management Approach

Communication and Organization are two key skills we develop in our project managers. Consistently tracking the scope, budget, and schedule are paramount to keeping projects on track, and good communication with the District and the project team is the cornerstone of our approach.

5.4 Firm's Capacity to perform the work within the time limitations

Our firm has a staff on twelve, one of the largest engineering firms in the area, so we have strong capabilities to deliver. Additionally we have assembled a large team of sub-consultant specialists who can work in parallel and bring in more resources to meet the project schedule. When selecting our sub-consultants for this project, we chose a team with a proven track record. We currently have an opening in our workload and are fully staffed to do this job.

5.5 What makes our firm uniquely qualified

The construction of the Probation Tank Replacement project was completed very recently, in December 2019. Our firm was contracted by the SLVWD to perform design, bid support and construction administrative services for this project. Please see Section 6 for more details about this award winning project.

We completed the design of a 1-mile pipeline for Central Water District in Aptos, and this was built to completion in 2019 with great resourcefulness by the Central Water District staff. We faced many similar conditions on that project and this experience and our background qualifies us to continue doing this type of work. Please see Section 6 for more details about this project.

Our unique advantage is we are located close to the San Lorenzo Valley Water District headquarters, so we can be very responsive in comparison to outside firms. Also, many of our staff live in the Santa Cruz Mountains, so we take extra pride in doing a great job for the District and our neighbors.

Our long-standing history of working well with the District is very important to us. As a locally owned engineering company, we hope can continue to serve the District well. Over time we continue to improve and be increasingly helpful. We hope these capabilities benefit the District. We value our relationship and look forward to working on more projects together in the future.



6.0 Experience and Past Performance

The following pages highlight three projects that highlight how our experience is suited for construction management services for the Lompico Tanks Replacement project. The three projects are as follows:

Probation Tank Replacement

Huckleberry Island Bridge Replacement

Valencia Road Pipeline Replacement



Probation Tank Replacement Felton, California

Civil and Structural Engineering

After



During



Client Reference:

Rick Rogers, District Manager
San Lorenzo Valley Water District
13060 Highway 9
Boulder Creek CA 95006
831-430-4624
rrogers@slvwd.com

Project Cost: \$2 Million

Project Completion: December 2019

During



The San Lorenzo Valley Water District contracted MME to perform design, bid support, and construction administrative services for the replacement of an existing 100,000 gallon redwood water tank with a new 32' tall, 60' diameter 530,000 gallon welded steel water tank adjacent to the Santa Cruz County Probation Center.

MME assembled a multidisciplinary team of sub-consultants to assist in development of project plans, specifications, and permitting. Expertise included ecological planning as well as civil, electrical and geotechnical engineering.

Construction administrative services performed by MME included review of submittals and schedules, response to RFI's, preparation of progress payments and contract change orders, attendance of weekly site meetings, and verification of contract compliance through daily site observations accompanied by photo documentation and written reports.

Additionally, MME coordinated a team of sub-consultants to perform labor compliance verification, special inspections, and materials testing. Special inspections were performed for site earthwork and drilling as well as welding and coatings inspection in the shop and field. Materials testing included concrete strength tests and compaction testing for asphalt and soils.

Before



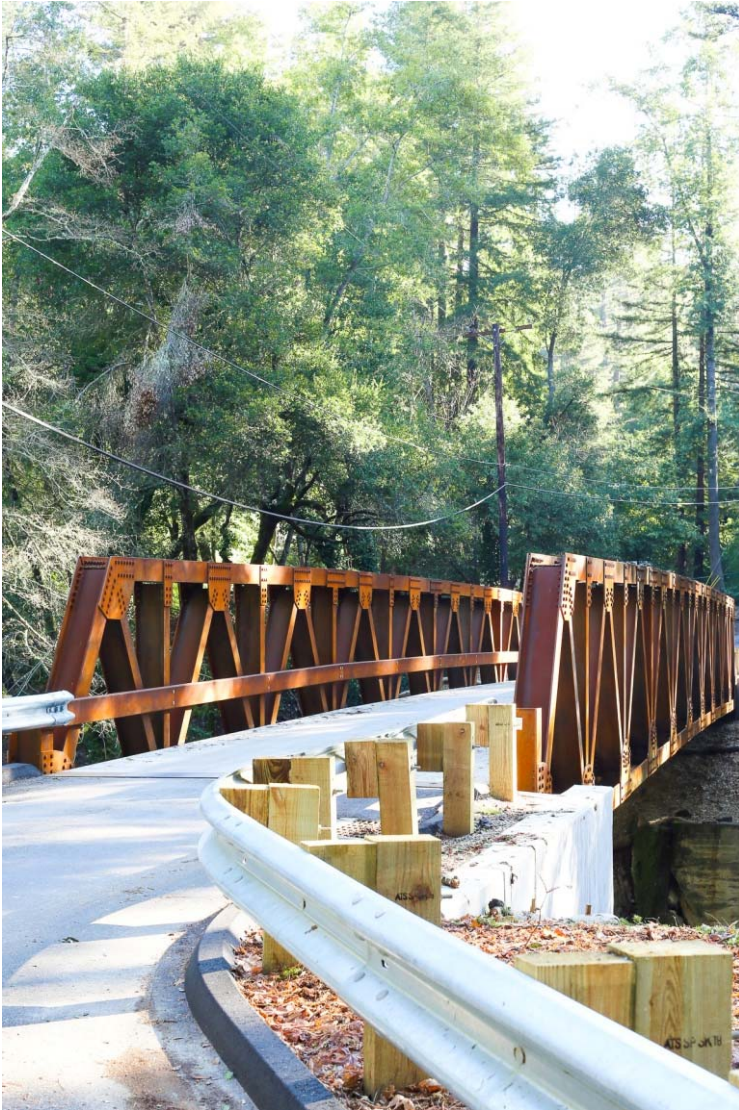


Huckleberry Island Bridge Replacement

Brookdale, California

Civil and Structural Engineering

After



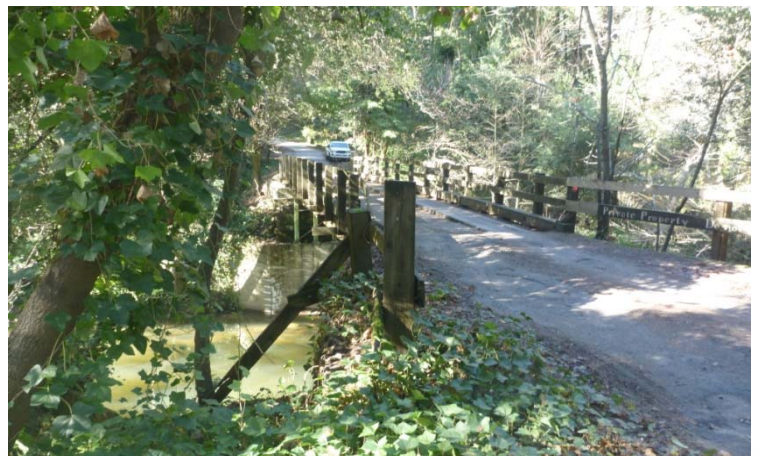
The new 110 foot truss bridge spans the San Lorenzo River, the largest river in the County, and provides the only access to a dozen residences. The old bridge was severely damaged during disastrous flooding; the decking was rotten in several locations, the concrete bridge supports were cracked and their structural stability was significantly compromised.

The design scope included permitting; grading; installing rock slope protection; construction of concrete poured-in-place piers, abutments, wing walls and retaining walls; prefabricated steel and concrete bridge; guardrails; PG&E gas main relocation; drainage; AC paving of the new road, driveways and turnouts; removal of existing bridge; removal of portions of the existing concrete abutments, concrete debris, failing sacked concrete; slope stabilization and re-vegetation.

After



Before



Client Reference:

Peter Dessau, Board Member
Huckleberry Island Homes Association
PO Box 232, Brookdale, CA 95007
408-292-1765

Project Cost: \$700,000

Project Completion: 2018



Valencia Road Pipeline Replacement Aptos, California

Civil and Structural Engineering

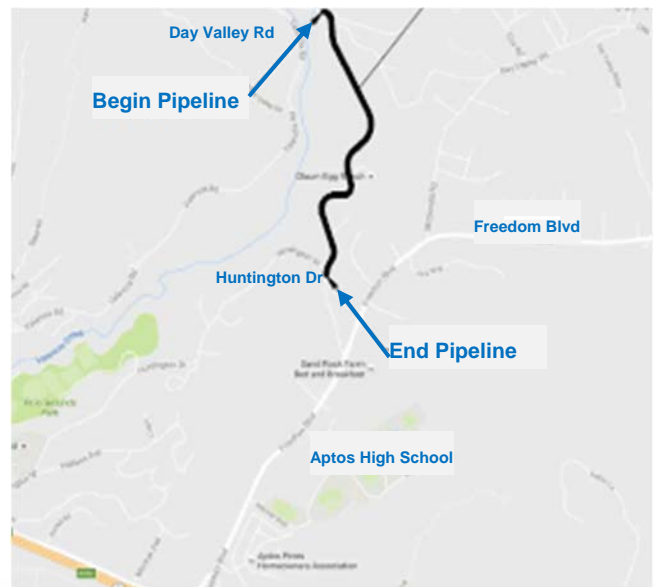


MME was selected by the Central Water District in Aptos, California to redesign the aging water distribution system that serves their valued customers. The project scope for this phase was to upgrade an existing 4700' long water main pipeline along Valencia road from Day Valley Road to Huntington Drive. The existing main was WWII 2" diameter thin-walled steel "invasion" piping. MME designed the new pipeline to be constructed with 8" diameter C900 PVC piping.

The design of this major pipeline began with the centerline realignment of the pipe. The constraints included right-of-way limits, existing utilities and structures, and minimum pipe radii. Once the horizontal alignment was established, MME used AutoCAD Civil 3D pipe networks and surface profiles to show profiles along the entire length of the pipe.

MME also completed an engineer's estimate of probable cost and worked with the District to complete a set of project-specific Special Provisions. The design was completed in February 2017, and was ready to go out to bid. The project was delayed by the February storms that wiped out a major culvert further up on Valencia Road near Aptos School and diverted significant traffic to the project road. Among the challenges involved with this project were water meter locations and lateral realignments, fire hydrant requirements, rights-of-way and easements.

The Central Water District staff worked extremely hard to complete the construction in-house over two summers for about \$130/foot. This major effort resulted in a savings of over \$1,000,000 to District customers when compared to market pricing for similar pipelines in the order of \$500/foot.



Client Reference:

Ralph Bracamonte, District Manager
Central Water District
400 Cox Road /PO Box 1869,
Aptos, CA 95001-1869
831- 688-2767
admin@centralwaterdistrict.us.com

Project Cost: \$640,000

Project Completion: 2019



7.0 Exceptions to this RFP

We certify that we have fully read the RFP and take no exceptions to any portion of this RFP.



8.0 Scope of Services

The scope of our services is based on a review of the Request for Proposal, and discussions with you. Based on this information, we intend to provide the following services:

8.1 Construction Management Services

1. Issue necessary clarifications and interpretations of the contract documents to allow orderly completion of the work by the contractor. Coordinate and review Requests for Information from the Contractor and distribute to the appropriate reviewers for response. Maintain a current log of RFI status, schedule and resolution.
2. Coordinate and manage the construction Submittals by transmitting between the Contractor and the design engineer for review of compliance to construction documents. Maintain a current log of submittal status, schedule and resolution.
3. Establish and hold weekly on-site meetings with SLVWD and the contractor's representative throughout the active construction phase to review progress and facilitate coordination. Provide notes of the agenda and summarize topics covered in the weekly meetings and action items. Review and track Contractor compliance with submitted schedules and request monthly revisions to the schedule. Keep a summary of the projects progress that includes status of change orders, contract days remaining, work completed, schedule adherence, and work in progress.
4. Conduct daily site visits during the active on-site construction phase for observations of work and compliance with the plans and specifications. Confirm that materials specified in the approved submittals and construction documents are used. Prepare detailed daily logs showing the number and name of personnel on site and their activity, equipment in use and standing by, work in progress, communications with contractor, and weather. Document traffic control measures. Take photos and keep an organized record of construction progress. Provide written weekly updates to the District detailing progress.
5. Provide progress payment recommendations to the District following review of the contractor's progress payment requests and ensure they are in accordance with the work complete and the contract documents. Only once materials are delivered to the site will they be recommended for payment.
6. Provide assistance with coordination between the contractor and the utility company (PG&E). Follow up with the design team on the status of the applications for service for the three new electrical panels and put the Contractor in direct contact with the appropriate PG&E representative. Review the schedule for electrical installations and check to see critical path items are being completed.
7. In the event of any change order request by the contractor, MME will analyze the request and provide recommendations to SLVWD through communication



with the District, the Contractor, and any involved inspection/testing sub-consultants. MME will maintain current records of all change orders and any changes to contract days or contract dollar amounts.

8. Review test reports from our testing and inspection team and notify the District and the Contractor in the event of any non-conforming items. Prepare recommendations to reject or accept any variations in the work performed through coordination with our inspectors, the District, and the Contractor.
9. Provide periodic bolt torque testing with our construction management staff in accordance with the construction documents and AWWA standards. Provide reinforcing inspection prior to concrete pours at ring wall foundations. Provide observation of piping and conduit depth of cover and installation.
10. Provide a final punch list of all items that were not satisfactorily completed and field-verify completion of those items.
11. Coordinate with all associated design professionals including civil and electrical engineers to obtain summaries of their observations, conformance with project plans and specifications, and obtain letters of final acceptance.
12. Review As-Built drawings from the Contractor for completeness based on change orders and RFI logs. Obtain record drawings from the associated design professionals based on the Contractor's as-built drawings and designer's observations for District records.
13. Review construction for adherence to the project plans and specifications.
14. Provide prevailing wage compliance monitoring services as detailed in the attached proposal from 360PSM.
15. Provide special geotechnical testing services as detailed in the attached proposal from Pacific Crest Engineering. These services will cover compaction testing of the subgrade, engineered fill, finish grade and utility trenches.
16. Provide special inspection of asphalt compaction and concrete cylinders as detailed in the attached proposal from Smith Emery.

Optional Services

1. **Welding Inspection** - The attached proposal from our sub-consultant Smith Emery includes formal review of welding procedures, qualifications, and visual inspection of shop welding and field welding based on typical shop location and fabrication schedules. We recommend the District opt to include this independent special inspection agency service to verify the ladders, handrails and appurtenances are correctly welded by qualified fabricators per AWS methods in accordance with AWWA standards.
2. **Surveying** - The project contract plans require the Contractor to provide surveying. Alternatively we can provide the District with independent construction surveying services per the attached proposal from our sub-consultant Iiland Survey.



Additional Services

Additional services are those items which are not specifically mentioned under the scope of proposed services outlined above and/or those items which arise as a result of unforeseen circumstances. Any additional services and compensation shall require written authorization from the District.

The following is a partial list of work excluded from our scope of services: Destructive testing, Shop inspection of tank welding, Coating inspection, Easement Acquisitions, Fish and Wildlife or Water Quality Permits, Hazardous Materials Services, Mechanical, Electrical or Traffic Engineering, Pumps, PG&E permit applications, County permit applications, Water Model Analysis, FEMA studies, Arborists Reports, Tree Protection Plans, Signalized Intersections and Crosswalk Modifications, Bid-phase services, Electrician services, Design engineering, Value Engineering and Potholing.



January 27, 2020

Proposal No. PR 20-006

Mr. Rodney Cahill, Principal
MME
224 Walnut Avenue
Santa Cruz, CA 95060

Subject: **Cost Proposal for Geotechnical Engineering Services – Construction Phase**
Kaski, Madrone & Lewis Tank Replacement Projects
San Lorenzo Valley Water District – Lompico
System Felton, Monterey County, California

Dear Mr. Cahill,

Pacific Crest Engineering Inc. (PCE) is pleased to present our proposed work scope and preliminary Opinion of Probable Cost (OPC) perform geotechnical engineering observation and testing services during the construction phase for the Kaski, Madrone & Lewis Replacement Tank Project in San Lorenzo Valley Water District's (SLVWD) Lompico system in Felton, California.

This proposal is based upon our familiarity with the project, including preparation of a geotechnical report prepared by our firm dated December 10, 2018, review of the project plans, review of the project schedule, as well as our 25+ years of knowledge and experience in the Santa Cruz County area.

SCOPE OF WORK – CONSTRUCTION PHASE OBSERVATION AND TESTING

Pacific Crest Engineering will provide geotechnical engineering consultation, observation and testing services related to soils, aggregate and asphalt. Based upon our knowledge of the project we have developed an Opinion of Probable Cost (OPC) for these services. It should be noted that this is a preliminary opinion only. Our fees may vary due to weather issues, means and methods for completion of the work chosen by the Contractor, unforeseen geotechnical conditions, etc. The exact services shown and the scope of each task may also vary in reaction to changes in the design, construction issues, or other issues outside of our control.

The following is a general list of anticipated tasks in to be performed as part of our geotechnical construction phase observation and testing services:

- > Geotechnical review and consultation
- > Geotechnical review of grading and foundation plans
- > Project administration and management
- > Attend project meetings and provide consultation and support as needed
- > Geotechnical review of material submittals
- > Geotechnical consultation and support during earthwork operations
- > Observation and compaction testing of engineered fill placement, subgrade testing and fine grading
- > Observation of footing excavations
- > Observation and compaction testing of subsurface utility trench backfill
- > Observation and compaction testing of pavement subgrade and aggregate base as required
- > Preparation of daily field reports summarizing the results of our daily earthwork observation and compaction testing
- > Obtain representative soil samples and prepare laboratory compaction curves
- > Provide technical direction and geotechnical recommendations as required
- > Report and letter preparation documenting our observation and testing services on the site

OPINION OF PROBABLE COST

Submitted in a separate envelope.



SMITH-EMERY SAN FRANCISCO
The Full Service Independent Testing Laboratory, Established 1904

1940 Oakdale Avenue
791 East Washington Boulevard

San Francisco, California 94124
Los Angeles, California 90021

(415) 642-7326 P
(213) 741-9411 P

(415) 642-7055 F
(213) 741-8620 F

San Lorenzo Valley Water District
c/o Mr. Rodney Cahill, Principal Engineer
MME Civil + Structural Engineering
Rodney@m-me.com

January 22, 2020

RE: Testing and Inspection Services

Lompico Water Tanks, @ 3 Site Locations -- Lewis, Kaski, & Madrone—Santa Cruz Mountains

Dear Mr. Cahill,

Smith-Emery SF is pleased to provide this proposal for the above-referenced project.

We have reviewed the project plans and specifications and have also discussed the project requirements with MME.

As always, Smith-Emery's services are provided on an as-needed basis, at the call-out request of the project contractor's field representative and offsite steel fabricator(s), in half-day increments. We have enclosed our standard two-page basis of charges for your review. Note that we will not charge for travel time nor mileage to/from the jobsite.

Note that we have proposed herein for special inspections to be provided by Smith-Emery's own inhouse personnel for onsite scope and for offsite steel shop fabrications that are anticipated in Rancho Cucamonga. Smith- Emery's Southern California branch offices will provide inspections at the Rancho Cucamonga shop location. We have also included inspection time for miscellaneous steel (appurtenances) shop fabrications, assuming local fabrication.

We look forward to participating with the District's project team for this upcoming endeavor, and will remain available to review our proposal with you. Please contact either the undersigned, or Mr. Patrick Morrison, P.G, C.E.G. at our office phone number above.

Very truly yours,

SMITH-EMERY SAN FRANCISCO

Monica Kahler, Sr. Project Manager

Proposal Reviewed / Accepted by:

Client's Signature /date

Client's Printed Name /SLVWD



The Smith-Emery Difference

EXECUTIVE SUMMARY

Smith-Emery understands the importance of selecting the right laboratory for your project.

We suggest the following considerations for your decision-making process:

PEOPLE:

Our people are what make our company great.

Dedication, Expertise, Experience & Service.

Smith-Emery San Francisco is a team of professionals dedicated to providing your project with properly qualified and experienced personnel-- to most efficiently meet your project needs. We staff your project with multi-certified /licensed senior technicians, with years of industry experience. We are eager to collaborate as an integral part of your project team.

SERVICE:

Prompt Response / Highly Qualified Technicians-- to meet your highly demanding project needs.

Smith-Emery is the West Coast's largest testing agency, with a labor force large enough to staff your project at a moment's notice. When you need us, we'll be there-- prepared and on time. In the lab- your project's sample test reports are electronically generated and expedited to you immediately upon test completion.

COMPANY:

Longevity in the Industry, Financial Stability and Good Reputation.

Smith-Emery SF offers you the experience of 116 years in this industry in San Francisco. We have the personnel, equipment inventory, and financial stability to assure you of a secure, positive, long-term partnership.

SAFETY FOCUS:

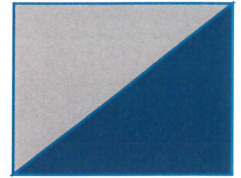
100% Compliance Protects All.

Smith-Emery's first priority is the safety of our personnel and fellow teammates – both onsite and offsite. From personal protective equipment to jobsite tailgate meetings– all are scheduled, recorded, and enthusiastically adhered to.

“BEST VALUE” FOR YOUR PROJECT:

Competitive cost without sacrificing Value and Service.

Our price includes not only testing and inspection services, but also highly qualified engineering and management support staff that you can rely on to provide timely problem-solving resolutions to keep your project on schedule and within budget.



360PSM

19024 Fieldstone Ct.
Salinas, CA 93908
831-500-1263

January 20, 2020

Rodney Cahill, P.E., LEED AP
Principal
MME Civil + Structural Engineering
224 Walnut Avenue, Suite B
Santa Cruz, CA 95060

Subject: Proposal for Labor Compliance Monitoring Services for the SLVWD Lompico Tanks Replacement Project.

Dear Rodney,

360PSM, a State of California Certified Disadvantaged Business Enterprise (DBE #45909), **local** firm of the Monterey Bay, is pleased to submit this Proposal for Labor Compliance Monitoring Services for the SLVWD Lompico Tanks Replacement Project.

Supporting the MME team will be **Catalina Ferreto**, President of **360PSM**. **360PSM** recently provided Labor Compliance Services on Federally Funded infrastructure project and on a State of California funded infrastructure project. The Labor Compliance team also includes **Fulvio Cajina** Labor Compliance Analyst with over 30 years of experience performing Labor Compliance on public infrastructure projects.

Thank you for the opportunity to submit this Proposal. Please feel free to contact me with any questions regarding at 831-500-1263 or catalina@360psm.com

360PSM

Catalina Ferreto
President
19024 Fieldstone Ct.
Salinas, CA 93908

831-500-1263
catalina@360psm.com

Project Understanding

MME Civil + Structural Engineering interested in professional Labor Compliance services for the SLVWD Lompico Tanks, the "Project". In the San Lorenzo Water District. Project generally involves:

1. Installation of temporary tanks;
2. Demolition of old tanks, buildings and piping;
3. Site grading, the installation of storm drains and site electrical;
4. Installation of new steel tanks, mixers, etc.

Scope of Work

MME requested Labor compliance monitoring for the Project. 360PSM proposes to perform the following services:

Labor Compliance Monitoring and Prevailing Wage Services

1. Review contract provisions and labor compliance requirements with the project team.
2. Determine the specific labor standards and dates of effect for wages for the construction project
3. Set up and maintain all compliance files and documents relating to prevailing wage activities;
4. Set up and maintain labor compliance files tracking the prime contractor and subcontractors;
5. Attend pre-construction meetings to discuss prevailing wage requirements with contractor and subcontractors;

6. Review Contractor's compliance with all State required postings such as the prevailing wage rates and EEO policies as well as the Contractor's Affirmative Action Plan;
7. Verify that certified payroll records are submitted by prime contractors and their subcontractors
8. Conduct Employee Field Interviews to confirm worker classification and wage rate of the project workforce conforms to the applicable contract provisions. (Optional)*
9. Reconcile Weekly Certified Payroll Reports (CPR) & supporting documentation with wage decision and employee field interviews. Perform continuous and timely monitoring reviews of CPRs and related submissions for compliance;
10. Review and verify Fringe Benefit Statements are consistent with the contract provisions and State of California requirements.
11. Monitor the submittal of Training Fund Contribution Reports.
12. Monitor workforce utilization reports to verify trade and apprenticeship participation.
13. Identify violations and investigate complaints of underpayment to workers.
14. Notify MME regarding delinquent, uncertified, inaccurate and improperly completed payroll records and recommend appropriate corrective action for lack of strict compliance.

Wage Underpayment and Restitution Activities

1. Identify wage underpayment through audits of payroll documents, during onsite employee interviews or by complaints filed by workers on the project. (Optional*)
2. Calculate and recommend to MME the amount of wages that will be withheld from the contractor's payments/retention.

3. Prepare documentation that list the week endings worked, the name of the worker, trade classification, number of hours worked, rate paid, correct prevailing wage rate and the amount due each worker. Prepare and submit documentation to MME.
4. Document and file final resolutions

Compensation

Submitted in a separate envelope.

Conclusion

We look forward working with you on this important project. Please contact Catalina Ferreto at (831)500-1263 or email catalina@360psm.com

Sincerely,

Catalina Ferreto
President
360PSM
(831)500-1263
www.360psm.com



IFLAND SURVEY
Surveying - Mapping - GPS

SCOPE OF WORK

Construction Surveying (OPTIONAL):

IFLAND SURVEY will perform construction surveying services for each site including verification of existing survey control and project benchmark, office calculations from CAD files, one (1) call-in for initial staking, layout & control, one (1) call-in for supplemental staking and one (1) call-in for limited as-built verification of specified points. No mapping is including in this scope of work.

Fee and rate sheet submitted in a separate envelope.

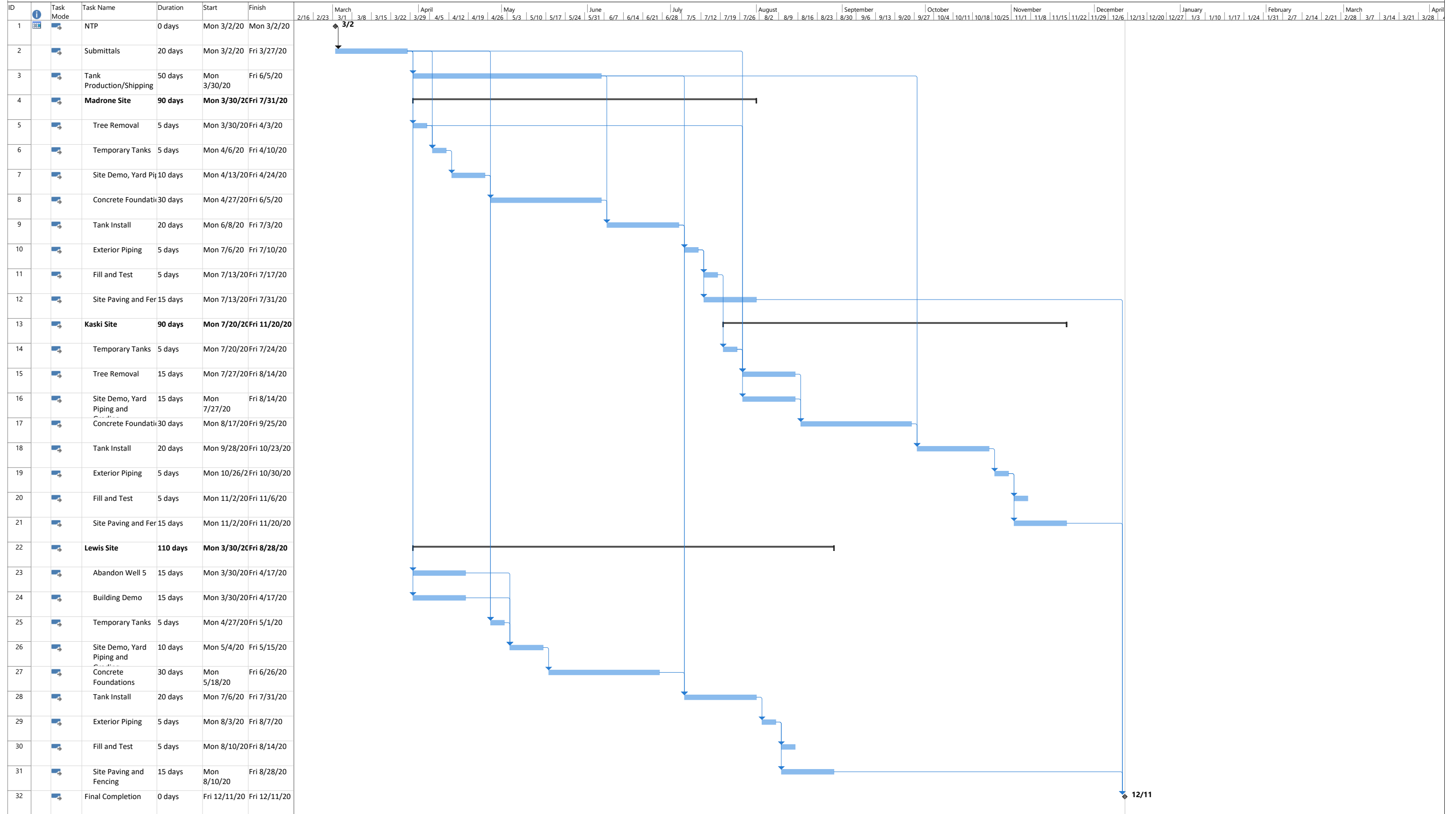
Prevailing wage field rates are assumed for this work.



8.2 Schedule

The following page outlines the designer's estimated schedule for the Construction of the Lompico Tanks Replacement project. The selected construction Contractor will prepare the project construction schedule during the upcoming award process for the District to review.

**SLVWD Lompico Tanks
Construction Duration
Assumes Concurrent work at Madrone and Lewis**



Project: Lompico_Schedule_Seq Date: Mon 1/6/20

Task Split	Milestone Summary	Project Summary Inactive Task	Inactive Milestone Inactive Summary	Manual Task Duration-only	Manual Summary Rollup Manual Summary	Start-only Finish-only	External Tasks External Milestone	Deadline Progress	Manual Progress
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9.0 Insurance

The following page is an example of our Certificate of Liability Insurance.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/10/2019

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 Dealey, Renton & Associates P. O. Box 12675 Oakland CA 94604-2675	CONTACT NAME: PHONE (A/C. No. Ext): 510-465-3090		FAX (A/C. No): 510-452-2193
	E-MAIL ADDRESS: certificates@dealeyrenton.com		
INSURED Mesiti-Miller Engineering, Inc. 224 Walnut Avenue, Suite B Santa Cruz CA 95060	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: American Automobile Ins. Co.		21849
	INSURER B: US Specialty Insurance Company		29599
	INSURER C: Hartford Accident and Indemnity Company		22357
	INSURER D: National Union Fire Insurance Co PA		19445
	INSURER E: American Insurance Company		21857
INSURER F:			

COVERAGES

CERTIFICATE NUMBER: 845798096

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
E	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:	Y	Y	TGF07300990	12/10/2019	12/10/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
C	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	57UEGFN8896	12/10/2019	12/10/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	Y	Y	EBU011054941	12/10/2019	12/10/2020	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	SCW0094271901	7/1/2019	7/1/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional Liability			USS1930330	12/10/2019	12/10/2020	\$2,000,000 \$2,000,000 per Claim Annual Aggregate

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

CERTIFICATE HOLDER**CANCELLATION 30 Day Notice of Cancellation**

SAMPLE CERTIFICATE

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

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10.0 Total Professional Fee and Fee Schedule

Please note that our professional fee for the Lompico Tanks Replacement project and our firm's 2020 fee schedule are submitted in a separate envelope.



Construction Administration Services - Fee Estimate (10 month Anticipated Schedule)

Lompico Tanks Replacement Project

San Lorenzo Valley Water District

Prepared by MME

MME Project No: 19168

01/30/20

Item	Task Description	Hours Per Work Day	Work Days Per Month	Monthly Personnel Hours and Hourly Billing Rates							Admin Assist \$87	Fee
				Principal Engineer \$210	Engineer V \$200	Engineer IV \$180	Engineer III \$155	Engineer II \$135	Engineer I \$116			
Preliminary Submittals Phase												
1	March	4	22	8			88				4	\$15,668
On-site Construction Phase (8 months)												
2	April	5	22	6			102	8			2	\$18,324
3	May	5	21	4			97	8			2	\$17,129
4	June	5	22	4			98	8			2	\$17,284
5	July	5	23	4			107	8			2	\$18,679
6	August	5	21	4			97	8			2	\$17,129
7	September	5	22	4			110				2	\$18,064
8	October	5	22	4			110				2	\$18,064
9	November	5	21	4			105				2	\$17,289
10	December	5	21	6			105				2	\$17,709
11	January Closeout	4	22	8			88				4	\$15,668
MME In House Services Total:												\$191,007
Sub-consultant Team												
											Markup	
1	Prevailing Wage Certified Payroll Monitoring - 360 PSM									\$ 7,800	1.1	\$8,580
2	Geotechnical Engineering Testing - Pacific Crest Engineering									\$ 39,595	1.1	\$43,555
3	Asphalt Placement and Compaction Testing - Smith Emery									\$ 2,792	1.1	\$3,071
4	Concrete Inspections - Smith Emery									\$ 3,792	1.1	\$4,171
5	Project Documentation - Smith Emery									\$ 1,235	1.1	\$1,359
Sub-consultant Subtotal:												\$60,735
Expenses												
1	Mileage (30 mile R/T x 217 work days during Construction Phase x 54c per mile)									6,510	0.54	\$3,515
2	Printing											\$100
Expense Subtotal:												\$3,615
											Total:	\$255,358
Optional Services												
											Markup	
1	Welding Inspection (appurtenances, ladders, handrails) - Smith Emery									\$ 10,540	1.1	\$11,594
2	Construction Surveying* - Ifland Survey									\$ 18,000	1.1	\$19,800

* Pending District clarification of project plans and specifications that currently require the Contractor to provide these services

This is our estimate based on currently available schedule & information. We may redistribute compensation between phases to be consistent with the hours of services provided, but shall not exceed the total unless approved by the Client.

This estimate is based on hourly rates effective through December 2020