



Proposal for CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES

Wheatland-OPUD Regional Sewer Pipeline Project

June 13, 2026



ICM

7040 Settlers Trail
Shingle Springs, CA 95682
(530) 683-4038
www.icmgroupusa.com

June 13, 2026

Dane Schilling
City Engineer
City of Wheatland
111 C Street
Wheatland, CA 95692

Swarnjit Boyal
Public Works Engineer
Olivehurst Public Utility District
1970 9th Avenue
Olivehurst, CA 95961

RE: Proposal to Provide Construction Management and Inspection Services for the Wheatland-OPUD Regional Sewer Pipeline Project (CWSRF Project No. C-06-8753-110)

Dear Gentlemen:

Inferrera Construction Management Group, Inc. (ICM) is excited to present you with our revised proposal for construction management (CM) and inspection services for the Wheatland-OPUD Regional Sewer Pipeline Project! Constructing wastewater pump stations and force mains is exciting! New facilities, such as yours, requires attention to details and a team focused approach for success. Starting with reputable contractors, like Gateway Pacific, Mozingo and RCI General Engineering, will lessen the number of issues that arise. We know first-hand, having worked with Gateway Pacific and Mozingo on large complicated projects.

At ICM, all we do is construction management and inspection of local wastewater and water public works projects. We have one of the largest, if not the largest, team of professionals located here in the Sacramento area dedicated solely to the CM and inspection of local wastewater and water projects. Wastewater pump stations and pipelines are our specialty.

We recently completed or are about to complete the CM and inspection of the following projects:

- The \$47 million Sly Park Intertie Project, with a pump station and 7 miles of pipeline. (El Dorado Irrigation District, Pollock Pines, CA)
- The \$100 million Arden Area Mainline and Meter Replacement Project including 32 miles of pipeline. (Sacramento County Water Agency)
- The \$240 million regional water treatment plant, pipeline, and pump station projects for Stanislaus Regional Water Authority in Hughson, CA (near Turlock).

Included under separate cover is our Cost Proposal. We look forward to helping you on this important project. If you have questions or comments, please call me at 530-683-4038.

Sincerely,

Inferrera Construction Management Group, Inc.



Jeffrey Inferrera, PE
President



ICM Identification and Qualifications

Inferrera Construction Management Group, Inc. (ICM) offers comprehensive construction management (CM) and inspection services. We are 100 percent dedicated to water and wastewater public works projects. ICM is not a design firm. ICM does not provide CM and inspection services for other industries like transportation, schools, or hospitals. Founded in 2005, we are solely focused on your water and wastewater projects. Our contact information is as follows:

Principal/Project Manager: Jeffrey Inferrera, PE
Address: 7040 Settlers Trail
Shingle Springs, CA 94630
Phone: 530-683-4038
Email: jinferrera@icmgroupusa.com

ICM is a local specialized third-party construction management and inspection firm. All of our projects are within a two hour radius of Sacramento and all of our staff live locally. Services we provide include the following:

- Construction Management
- Resident Engineering
- Inspection
- Special Inspection
- Contract Administration
- Document Control
- Cost Estimating
- Constructability Review
- Startup Support
- Bid Support
- Schedule Review
- Claims Support



**VFWD, Mare Island Way Sewer
Rehabilitation Project, 2019**

ICM's specialty is water and wastewater public works projects. We have experienced professionals who have successfully completed the following types of projects since 2005:

- Pump Stations more than **30** projects
- Sewer Lift Stations more than **17** projects
- Open-Cut Pipelines more than **90** projects
- Trenchless Pipeline more than **15** projects
- Wastewater Treatment Plants more than **26** projects
- Water Treatment Plants more than **16** projects
- Water Tanks more than **8** projects
- Backup Generators more than **35** installed

The following three pages show a sampling of the local projects we have successfully completed.

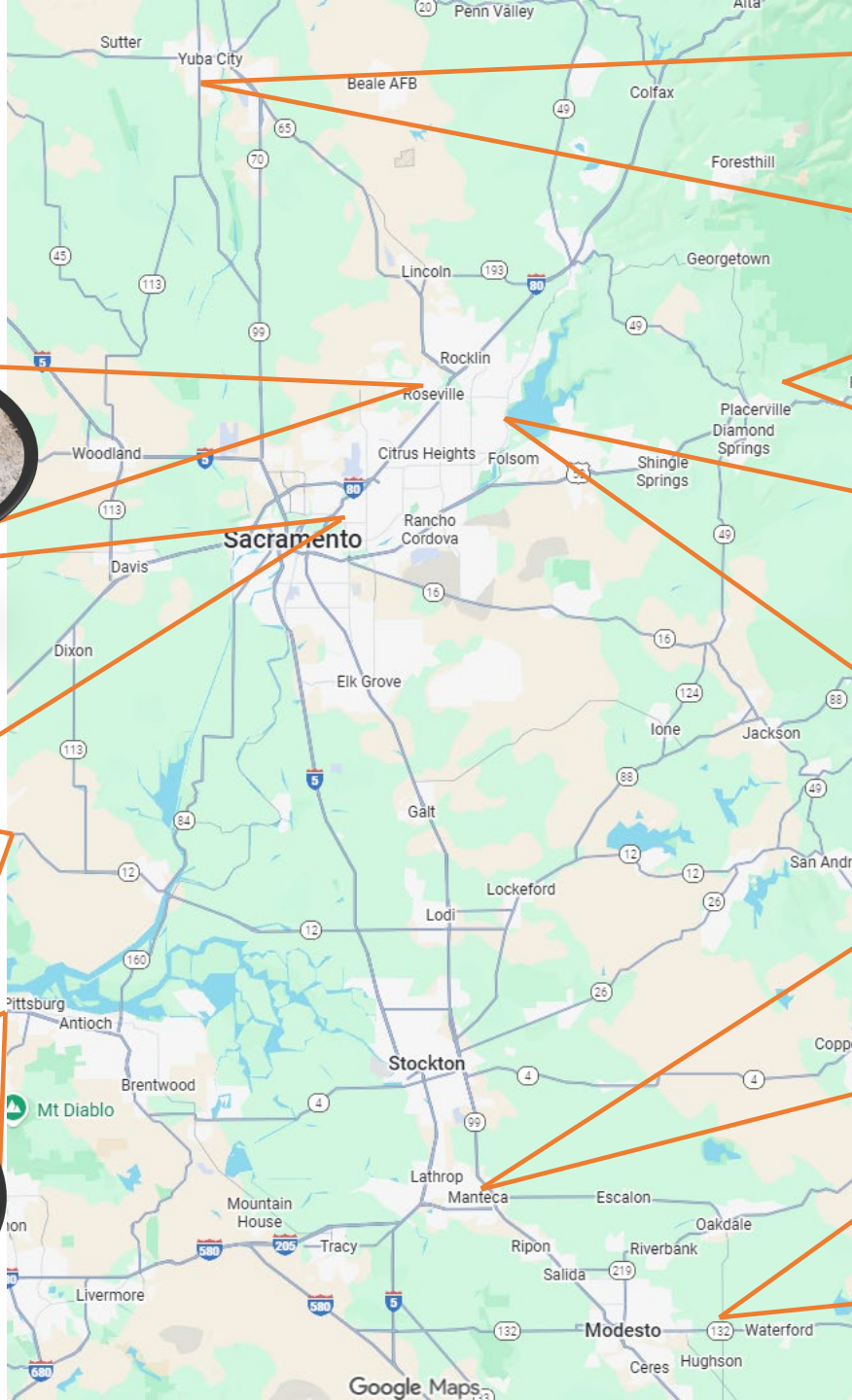
ICM has successfully completed over 100 pipeline projects in the Sacramento area.

ICM CM and Inspection Owner: City of Roseville Project: Church St Main Replacement Year: 2024-2025

ICM CM and Inspection
Owner: Sacramento County Water
Agency
Project: Arden Pipe and Meter
Installation
Year: 2023-present

ICM CM and Inspection
Owner: Vallejo Flood and
Wastewater District
Project: Mare Island Main
Replacement
Year: 2019

ICM CM and Inspection
Owner: Central Contra Costa
Sanitary District
Projects: - Pleasant Hill Sewer
Renovations
- Lafayette Sewer Renovations
Years: 2023-present



ICM CM and Inspection Owner: City of Yuba City Project: Garden Road CIPP Year: 2019-2021



ICM CM and Inspection Owner: El Dorado Irrigation District Project: Motherlode Force Main Year: 2023-2025
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ICM CM and Inspection Owner: San Juan Water District Project: Cooperative Transmission Main Year: 2010-2011



ICM CM and Inspection Owner: City of Manteca Projects: - North Trunk Sewer - FEZ Trunk Sewer Year: 2020-2021, 2016-2017



ICM CM and Inspection
Owner: Stanislaus Regional Water
Authority
Project: Ceres and Turlock
Transmission Main
Year 2019-2021

ICM Pump Station Projects

ICM has successfully completed over 30 pump station projects.

Below is a representation of a few of them.

ICM CM and Inspection
Owner: City of Folsom
Projects: - Oak Avenue Pump Station
 - Lake Forest Pump Station
Years: 2014-2015
 2010-2011



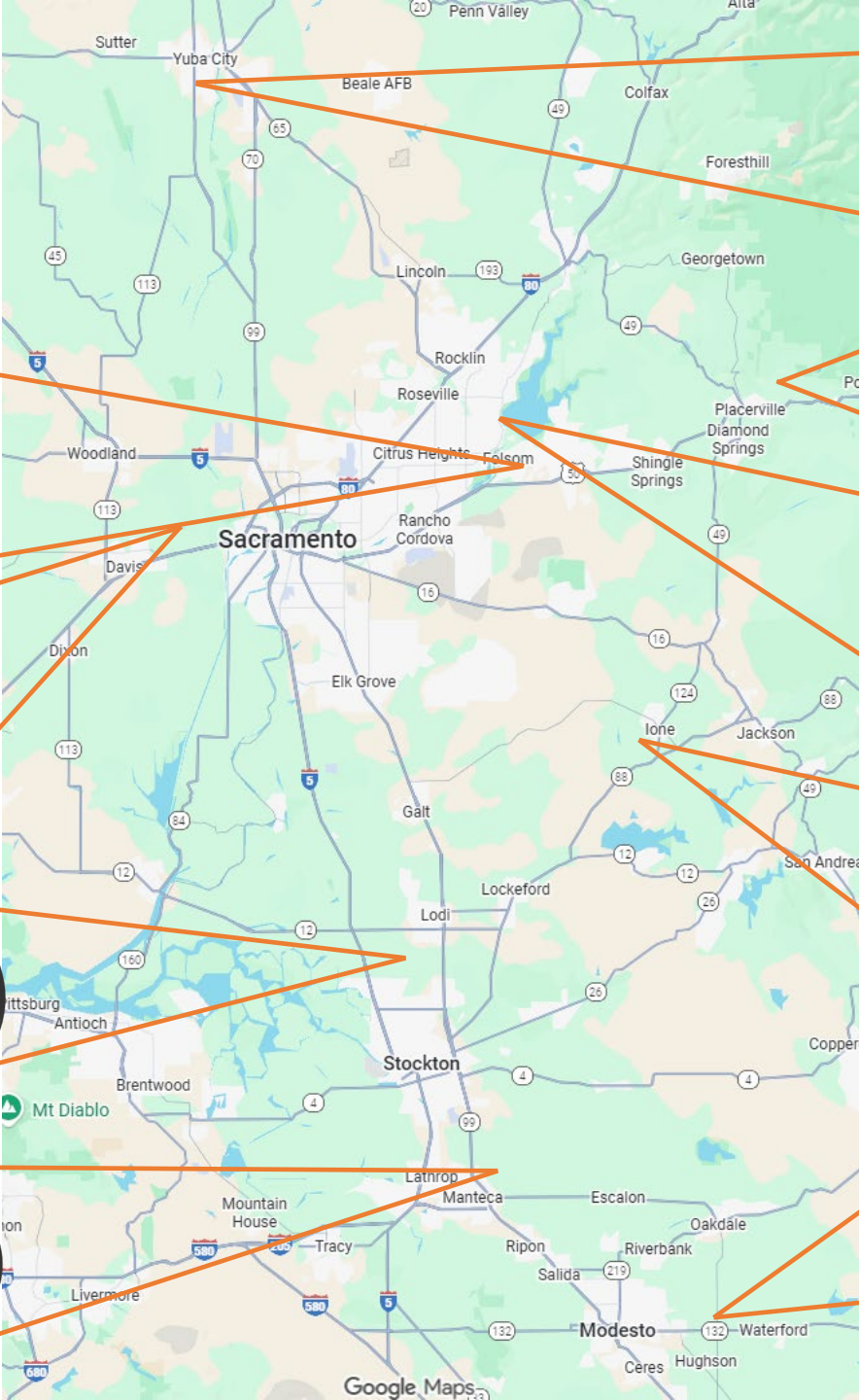
ICM CM and Inspection
Owner: Delta Diablo
Project: Pump Station Improvements
Year: 2019-2024



ICM CM and Inspection
Owner: City of Ceres
Project: River Bluff Pump Station
Year: 2021-2022



ICM CM and Inspection
Owner: City of Manteca
Projects: - Tara Park Pump Station
 - Atherton Pump Station
 - Woodbridge Pump Station
Years: 2006
 2012-2014
 2006-2008



ICM CM and Inspection
Owner: City of Yuba City
Project: Bogue Road Pump Station
Year: 2025-present



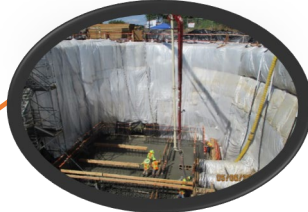
ICM CM and Inspection
Owner: El Dorado Irrigation District
Project: Sly Park Intertie Pump Station
Year: 2024- present



ICM CM and Inspection
Owner: El Dorado Irrigation District
Project: Carson Creek Lift Station
Year: 2014-2015



ICM CM and Inspection
Owner: Calaveras County Water District
Project: Lower Cross Country Pump Station
Year: 2007-2008



ICM CM and Inspection
Owner: Stanislaus Regional Water Authority
Project: Surface Water Pump Station
Year 2021-2022

ICM Treatment Plant Projects

ICM has successfully completed over 40 treatment plant projects.

Below is a representation of a few of them.

ICM CM and Inspection
Key Personnel: Jeff Inferrera
Paul Lopez
Owner: City of Folsom
Project: Water Treatment Plant
Year: 2022-2023



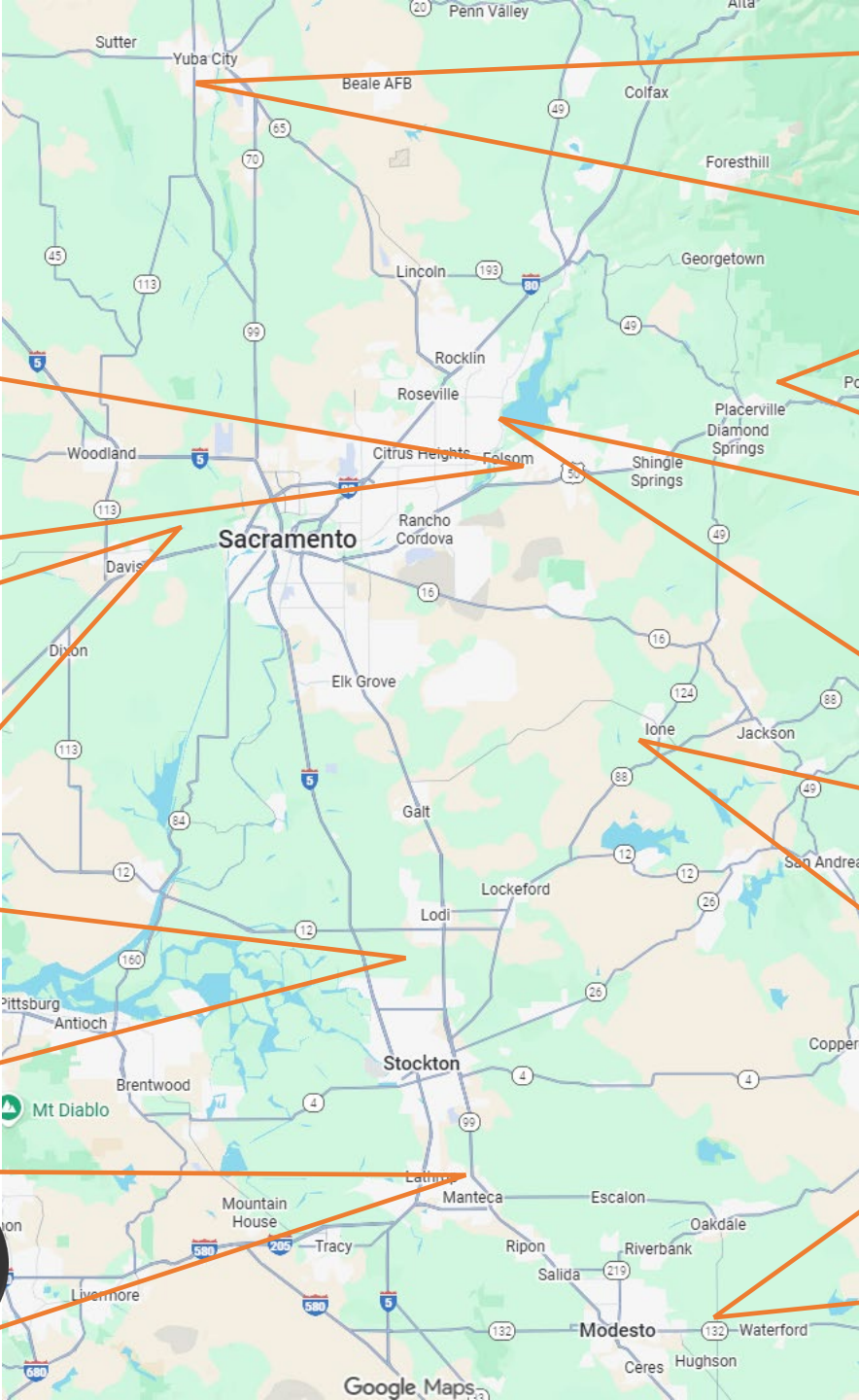
ICM CM and Inspection
Key Personnel: Jeff Inferrera
Owner: City of Davis
Project: Wastewater Treatment Plant
Year: 2013-2014



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Matt Livingston
Owner: City of Stockton
Project: Water Treatment Plant
Year: 2025-2026



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Ricardo Bedoy
Paul Lopez
Owner: City of Manteca
Project: Treatment Plant Expansion
Year: 2005-2015



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Paul Lopez
Owner: City of Yuba City
Project: Wastewater Treatment Facility Improvements
Year: 2019-2021



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Paul Lopez
Owner: El Dorado Irrigation District
Project: Water and Wastewater Treatment Plants
Year: 2015-2026



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Ricardo Bedoy
Paul Lopez
Owner: San Juan Water District
Project: Peterson Water Treatment Plant
Year: 2010-2023



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Owner: City of Ione
Project: Wastewater Treatment Plant
Year: 2015-2018



ICM CM and Inspection
Key Personnel: Jeff Inferrera
Paul Lopez
Matt Livingston
Owner: Stanislaus Regional Water Authority
Project: Water Treatment Plant
Year 2021-2022



Proposal for
CONSTRUCTION MANAGEMENT AND INSPECTION
Wheatland-OPUD Regional Sewer Pipeline Project

The table below shows a list of our clients.

 ICM <i>Client List and Their Facilities</i>	Size (x1,000 Customers)	Wastewater Treatment Plants	Water Treatment Plants	Sewer Lift Station	Water Pump Station	Water Storage Tanks	Sewer Pipelines	Water Pipelines	Water Services	Developer Projects	Reservoirs and Canals	Number of ICM Projects
Central Contra Costa Sanitary District	483	♦		♦			♦					11
City of Manteca	72	♦		♦	♦	♦	♦	♦	♦	♦		20
City of Folsom	73		♦	♦	♦	♦	♦	♦	♦	♦		7
City of Ceres	49	♦	♦	♦	♦	♦	♦	♦	♦	♦		2
City of Roseville	145	♦	♦	♦	♦	♦	♦	♦	♦	♦		1
City of Davis	66	♦		♦	♦	♦	♦	♦	♦	♦		1
City of Lone	5	♦	♦	♦	♦	♦	♦	♦	♦			2
City of Modesto	218	♦	♦	♦	♦	♦	♦	♦	♦	♦		2
City of Stockton	326	♦	♦	♦	♦	♦	♦	♦	♦	♦		1
City of Yuba City	69	♦	♦	♦	♦	♦	♦	♦	♦	♦		6
Citrus Heights Water District	67		♦	♦	♦	♦	♦	♦	♦	♦		8
Calaveras County Water District	17			♦	♦	♦	♦	♦	♦	♦	♦	5
Delta Diablo Sanitation District	200	♦		♦			♦					2
El Dorado Irrigation District	100	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	33
Groveland Community Services District	5	♦		♦		♦	♦	♦	♦			2
Golden State Water Company	255		♦		♦			♦	♦	♦	♦	6
Nevada County	<98	♦		♦			♦			♦		1
Sacramento County Water Agency	55		♦		♦	♦		♦				4
Sacramento Suburban Water District	173							♦	♦	♦		2
San Juan Water District	160		♦		♦			♦	♦	♦	♦	8
Stanislaus Regional Water Authority	100				♦							2
Town of Discovery Bay	13	♦		♦	♦	♦	♦	♦	♦	♦		1
Tuolumne Utilities District	44	♦	♦	♦	♦	♦	♦	♦	♦	♦		2
Turlock Irrigation District	110		♦		♦	♦		♦			♦	3
Vallejo Flood and Wastewater District	124	♦		♦			♦					3

DIR Registration

Infrerra Construction Management Group, Inc. is registered with the Department of Industrial Relations (DIR). Our DIR number is 1000036717.



Subconsultants



Brown and Caldwell is a dynamic international company with over 2,400 employees, providing services for nearly 80 years. Brown and Caldwell will be providing inspection services for the Regional Sewer Pipeline Project and will also be available to provide other construction management, inspection and administrative resources as needed. With a concentration in water, wastewater and environment, Brown and Caldwell brings a depth and breadth of resources to our project team. Their office is located in Rancho Cordova.



Youngdahl Consulting Group will provide materials, and special inspection testing services, including compaction testing, concrete, rebar, and welding inspection on an as needed basis. In addition, they will provide quality assurance testing as needed. Youngdahl Associates will also be available for geotechnical review. ICM has worked with Youngdahl extensively for more than 10 years. Youngdahl has proven to be a valuable team member successfully performing their scope of work responsibilities to the satisfaction of all team members. Their office is located in El Dorado Hills.



American River Environmental (ARE) will provide quality assurance audits on an as needed basis. ICM has worked with the ARE staff for a number years on projects in the Sacramento area. They have a proven record to keep projects in compliance. Their office is located in Placerville.



R.E.Y. Engineers must be one of the best surveying outfits in Northern California. ICM has recently worked with REY on two projects and their performance was stellar. REY will provide survey quality assurance on this project. We look forward to working with them again on the Wheatland-OPUD Regional Sewer Pipeline Project. Their office is located in Folsom.



Madrone Ecological Consulting will provide environmental compliance services for Contract 2. Madrone Ecological is already providing excellent services on Contract 1A and Contract 1B. We are looking forward to working with them on the Wheatland-OPUD Regional Sewer Pipeline Project. Their office is located in Citrus Heights.



Bay Area Coating Consultants, Inc. (BACC) will provide NACE Certified Coating and Lining Inspection Services in an as needed QA role. ICM has worked with BACC for the past 10 years. BACC has been in the coating inspection industry for the past 25 years. BACC is the top coatings inspection firm in California. Their office is located in Modesto.



Project Understanding and Approach

Project Understanding

When completed, the Wheatland-OPUD Regional Sewer Pipeline Project will be an important part of the expansion of critical infrastructure in the area. It will allow Wheatland to decommission their wastewater treatment plant and send the area wastewater flows to the OPUD wastewater treatment plant. The City of Wheatland (City) and Olivehurst Public Utilities District (OPUD) have designed, bid, and issued Notices of Intent to Award for three contracts to accomplish conveyance of wastewater from the City of Wheatland's existing collection system to OPUD's wastewater treatment plant.



EID, Sly Park Intertie pipeline, current

We understand the uniqueness of your Project – the cooperation of two agencies, with multiple funding sources, having three contractors build interconnected pipelines and pump stations and the most critical aspect of the project is that the pump stations need to communicate with Pump Station 2 where they will all be controlled.

We are experienced in this type of project and qualified to provide the construction management and inspection services for Wheatland and OPUD. ICM recently completed the construction management and inspection of the \$240 million Stanislaus Regional Water Authority's project that consisted of two cities, the City of Ceres and Turlock, cooperating in constructing a new water treatment plant, four pump stations, three reservoirs, and 10 miles of 42 inch pipeline, with four contractors. A critical component of the SRWA project, like your project, was the communication and control of the treatment plant, reservoirs, and pump stations.

However, the SRWA project is not our only large project similar to yours. We are currently completing the \$47 million Sly Park Intertie Project that includes two pump stations, two treatment plants, three reservoirs, and 7 miles of 24 and 30 inch pipeline. The Sly Park Intertie Project also has a critical component of the need to communicate with and control of the pump stations. Plus, ICM has worked on over 100 pipeline and over 40 pump station projects, all having similarities with your Project.

Another important aspect of your Project are the horizontal direction drilling (HDD) and jack and bore components. ICM has inspected numerous HDD and jack and bore tunnelling operations; most recently at the SRWA project (described above), two trunk sewer projects for the City of Manteca, and the Motherlode sewer force main project for the El Dorado Irrigation District.

We understand the construction contracts are awarded, and in the process of being approved, to the following apparent low bidders:



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Contract	Owner	Contractor	Amount
Contract 1A - Pipelines	Wheatland	RCI Gen Engineering	\$15.6 million
Contract 1B – Pump Stations	Wheatland	Gateway Pacific	\$38.6 million
Contract 2 – Pipeline/Pump Stations	OPUD	Mozingo	\$49.5 million

We have worked successfully with Gateway Pacific on the Stockton Recharge Basin Project and with Mozingo on the Manteca North Trunk Sewer Project and EID Sly Park Intertie Project. They are both reputable firms with a team attitude. Based on their excellent past performance, we anticipate they will work well with us, the Agencies, and the designers as a valuable team member.

We understand the design firms for each agency will be providing engineering services during construction to support and assist the construction manager in responding to RFIs, submittals, difficulties encountered in construction, meetings as needed and other technical support. The designers are listed below:

Contract	Designers
Contract 1A – Pipelines	Coastland, DCCM
Contract 1B – Pump Stations	Coastland, NexGen, Control Point
Contract 2 – Pipeline/Pump Stations	Jacobs, Domenichelli, MHM, Frisch

ICM has an excellent team spirit with all design firms. Being a third party CM firm doing only construction management and inspection, we do not compete with designers for design work and have no conflict of interest. We have worked well with Coastland Engineers, NexGen, Domenichelli and Associates, Verdantas, Control Point, and Frisch on numerous projects. Control Point and Frisch being the most important team members to get all project components up and running.

We understand that the Project consists of the following components:

Contract 1A - City of Wheatland Pipelines

This contract involves constructing wastewater pipelines including:

- 12-inch dia. HDPE force main - 8,768 LF
- 18-inch dia. HDPE force main – 32,048 LF
- 18-inch dia. HDD crossings – 1,450 and 600 LF
- Jack and Bore Crossings – five locations totaling 1,000 LF
- Stormwater culvert replacement
- 4,000 LF water main extension and booster pump station
- Road restoration, paving and pavement markings
- Substantial Completion: 380 working days, approximately 11/01/2027
- Final Completion: approximately 02/01/2028



SRWA, Raw Water Pump Station, 2020



Contract 1B - City of Wheatland Pump Stations

This contract involves constructing wastewater pump stations including:

- Pump Station No. 1 including influent sewer modifications, existing PS demolition, storage tanks, control building, odor control, generator, yard piping, yard improvements and landscaping
- Pump Station No. 2 including sewer and force main, influent splitter, biofilter, storage tanks, equalization tanks, lab building, maintenance building, well, water main, water storage tank, booster PS, yard piping, yard improvements and landscaping
- Pump Station No. 3 including control building, sewer and force main, control building, yard piping, yard improvements and landscaping
- Work at five small subdivision pump stations in Wheatland
- Control panel and SCADA upgrades at existing lift stations
- Electrical instrumentation and controls
- Yard piping
- Site grading and fencing
- Substantial Completion: 535 working days, approximately 06/01/2028
- Final Completion: approximately 09/01/2028



**City of Folsom, Oak Avenue Wastewater
Pipeline Project, 2023**

Contract 2 - OPUD Regional Sewer Pipeline and Pump Stations

This project involves constructing wastewater pipelines and pump stations including:

- 36-inch dia. PVC C-900 force main 5,100 LF
- 24-inch dia. PVC C-900 force main 6,900 LF
- 24-inch dia. PVC C-900 force main 1,100 LF
- 18-inch dia. PVC C-900 force main 24,800 LF
- Pump Station 21 including grading, influent sewer and manhole, wet wells A & B, flushing system, odor control beds, piping, force main, valves and fittings, yard piping.
- Trenchless crossings at SR 65, Hutchinson Creek, Reeds Creek, Kimball Creek at Rancho Road (HDD) and Virginia Creek at Rancho Road (five crossings)
- Rehabilitation and force main connection at existing Pump Station No.2
- Substantial Completion: 715 calendar days, approximately 3/31/2028
- Final Completion: 870 calendar days, approximately 8/31/2028



To maintain meticulous and organized project documents for three projects, ICM will institute a separate document control system for each project. We prefer to use Procore for each project, but are flexible to use the document management system most effective for each project and each project team. For example, we are able to use one document management system, like ProCore, for Wheatland's projects, and a different document management system, like VPM, for OPUD's

project. The key is to establish those management systems that allow the project teams to attain high performance.

All high performance construction teams have similarities: great and open communication, prompt resolution of issues, quick turn around times, and finishing on time or early. ICM excels at building high performance construction teams and driving for project success. The following are goals for the Regional Sewer Pipeline Project.

Goals for the Regional Sewer Pipeline Project

ICM will put your interests first and help you achieve your goals for the Regional Sewer Pipeline Project. We assume you will have the



City of Manteca, Woodbridge Pump Station, 2008

following goals that we find important on this type of project:

- Complete the Project on time or early.
- Complete the Project on budget.
- Achieve quality construction as required by the Contract documents and industry standards.
- Avoid claim escalation such as litigation or arbitration.
- Comply with permits and environmental regulations.
- Maintain good relationship with other stake holders including CalTrans, the County Department of Transportation.
- Maintain good relationships with private landowners and the public.
- And other goals as identified by the Agencies.

ICM's Approach to Achieve the Project Goals

On Time, On Budget, High Quality, and No Claims - ICM believes that project goals are best achieved by taking a Team Approach. We will establish a good working relationship with the contractors at the start of their projects. ICM has been in the local construction business long enough that we have a well-known reputation as a fair, firm and talented construction management company that works hard to resolve issues quickly to keep the project progressing. By anticipating project issues and resolving them promptly, we keep the project on track, earning the trust and good will of the contractor, to the benefit of all parties.



As our team faces challenges, the best way to achieve the goals of the project (on time, on budget, with high quality and no claims) is to focus on quick responses to challenges so the contractor can complete the job on time or early. On-time project delivery provides the highest probability of a project that will also be on budget, have no claims, and has high quality construction.

Comply with Permits and Environmental Regulations - The key to maintaining compliance with permitting and environmental regulations is to enforce the permit requirements and maintain regular status updates with the contractors on permit compliance. As we have learned on other projects, even experienced contractors can employ staff who are inexperienced in complying with permits. So, we will be vigilant that permit compliance is maintained.

Maintain Good Relationship with Stakeholders, Private Landowners, and the Public - We will keep regular contact with the permitting agencies to keep them informed of the Project status and allow them to provide input if they have concerns and address those concerns quickly. We will assist the Agencies with addressing the concerns of landowners and the public. For all stakeholders, prompt response and quick resolution of issues goes a long way to build trust and goodwill.

Other Agency Goals - ICM looks forward to learning about other important goals of both Agencies. Once identified, we will work with the team to plan an approach and then achieve those goals.

Insights for Successful Completion of Multi-Contract Pump Station and Pipeline Projects

At ICM, we understand that the Project plans/specifications may be stamped and signed at bid time, but they are not 100% perfect. The project is fine-tuned and perfected as it is built in a collaborative approach with the contractor, engineer, and owner. The systems that have been developed to perfect the plans/specifications are the submittal process, RFIs, value engineering, and change orders. In addition, we get valuable information on how to resolve challenges from the contractor, who typically brings useful experience and ideas to the team that we can use to make the project better. At ICM, we leverage everyone's ideas to construct the better project to achieve the Agency's goals.

To make this all happen successfully, we work collaboratively as a team: both Agencies, the design firms, the contractors, and ICM. Through subsidiarity, we resolve challenges at the lowest level possible while keeping all team members informed, thus progressing the work expeditiously and preventing claims. And based on our experience, we know where the challenges will be and we are proactive in resolving them before they negatively impact the Project. The list of Project Challenges below are some of the items that ICM will be proactive to help mitigate issues.



**CCCSO, Lafayette Sewer Renovations,
current**



Project Challenges - Based on our extensive experience in the construction of pump stations and pipelines, we have identified the following list of project challenges:

- SCADA and PLC Controls - It just seems whether it is Tesco, Telstar, Primex, or any other integrator, instrumentation, controls, and SCADA seem to be one of the more frustrating aspects of pump station and treatment plant startups, hidden from most eyes except operations. Jeff Inferrera is experienced at testing and troubleshooting I&C and SCADA, (including SCADA architecture, loop to loop testing, alarm lists, historian and trending) and will take the lead so that there is a smooth transition for operations.
- Tunnelling - ICM has a specialty tunnelling inspector on our team to enforce Agency and CalTrans requirements.
- Difficult Pipeline Construction - Joe Saylor is our experienced pipeline inspector that is knowledgeable of rock excavation and different types of tunnelling. If the contractor has difficulties, Joe will inform the team if an extra is warranted or not and any impacts.
- Narrow easements - The engineer will need to design custom thrust blocks where there is insufficient room to pour a standard thrust block.
- Congestion of Underground Utilities - As we build the pipeline and fiber optic extension through the treatment plant, we will encounter underground utility conflicts that will need good locational information for the engineer to decide on alternative pipe and fiber optic locations. We will give the engineer advice on how to route the pipe and fiber optic around conflicts.
- Long Equipment Delivery Times - The District should consider pre-purchase of equipment such as the emergency generators, electrical panels and switchgear, VFDs, and vertical turbine pumps to avoid project delays.



**City of Manteca, Tara Park Pump Station,
2006**

Construction Management and Inspection Tasks

We agree with the Scope of Services presented in the RFP under "Construction Phase" and "Construction Completion and Closeout". We acknowledge the "Assumptions" presented in the RFP. We would like to add the following tasks/clarifications:

1. We suggest ICM provides each Agency with a monthly report for each project (an example is provided in the Appendix)
2. We have included Madrone Ecological on our team to assist with environmental awareness training and ecological surveys to comply with permit requirements for Contract 2 only.
3. ICM field staff will assist with public relations on an as needed basis.
4. For general construction inspection services, we anticipate having full time inspection during excavations and underground pipeline installation. However, depending on the task, above ground work at pump stations and surface work at pipelines, may be full time or part time.



5. ICM's construction managers will review the contractors' CPM baseline schedules and updates. ICM will maintain a master schedule that will consist of time critical milestones and tasks, and share this schedule with the project teams. However, the master schedule will exclude the granularity that is required in the contractors' baseline schedules.
6. For special inspection and material testing, ICM has included Youngdahl on our team.
7. We have included American River Environmental on our team to assist with SWPPP QA audits. Since all three contractors are responsible for SWPPP planning and inspection per their contracts, this task is oversight only.
8. Labor compliance monitoring will be done on a periodic basis by ICM staff, not with a specialty firm certified in labor compliance monitoring.
9. We have included a separate budget item for warranty assistance.
10. We will track our work under two task orders, one for Contracts 1A and 1B and the other for Contract 2 or to meet the needs of the Agencies.

Exclusions to our Scope of Services are as follows:

1. Environmental surveys to be performed by others for Contract 1A and 1B.
2. We exclude ADA compliance certification and/or warranty.
3. We exclude SWPPP plan development, SWPPP certification and SWPPP uploading to State web site. SWPPP monitoring to be performed by contractors.
4. We exclude surveying by a CA licensed Land Surveyor, it is to be done by the contractor.
5. We exclude construction staking.
6. We exclude engineering support services such as technical review of submittals and RFIs with the exception of schedule submittal, schedule of values submittal, and RFIs better answered by our field staff.
7. ICM is not responsible for Contractor's safety or safety program.
8. ICM is not responsible for Contractor's schedule.



**EID, Town Center Force Main
Replacement, 2018**

ICM is qualified to provide construction management and inspection services for the Regional Sewer Pipeline Project. With the successful completion of over 20 pump station projects (including potable water pump stations) and over 50 pipeline projects (including 30" mortar lined and coated steel pipe), the Regional Sewer Pipeline Project is exactly the type of project that we focus on and excel. We have the following unique ideas:

1. The HDD and jack and bore tasks have unique challenges. We have assigned an inspector who has successfully completed many tunnelling projects and will keep the tunnelling tasks on track.
2. To enhance project productivity and to build top performing teams, we encourage open team communication. This is accomplished in two very crucial ways. First, we believe in the practice of subsidiarity. This allows issues to be resolved at the field level while management is kept informed. As such, we allow the contractor and engineer to call each



other and discuss the issues at hand for quick resolution. It may be a submittal missing a piece of information, or a conflict with an existing structure. These phone calls are followed up with emails and RFIs and are reviewed at each weekly progress meeting. In so doing, the project advances more rapidly and, at the same time, everyone is made aware of issues. If the issue is too difficult or complex to handle at the field level, special meetings are held to resolve the issue. At any time this approach can be changed to a rigid hierarchical communication structure, depending on the project needs.



SRWA, Raw Water Pump Station, 2020

The second approach is to use the features of today's document management systems, such as ProCore, to allow for concurrent review of submittals and RFIs. This means that the contractor will transmit a submittal directly to the engineer who will answer that submittal directly back to the contractor, while the CM and Agency is reviewing the document concurrently. This concurrent review process saves a significant amount of time and will help us to complete the projects on time. At any time this approach can be changed to the more traditional, rigid "hub and spokes" approach, where all RFIs and submittals are first routed through the construction manager.

3. Open Item List. At 75 percent completion, ICM will issue an Open Item List to the contractor. The Open Item List is similar to a Punchlist. It itemizes the incomplete work so that the contractor has a good understanding of the components ICM considers requiring attention. This allows the contractor to complete this work prior to demobilization, rather than later, after Substantial Completion. In this way, the Punchlist should be small and quickly resolved.
4. Control of Costs: ICM is firm but fair in determining equitable adjustments for time and money. We will keep the Agencies apprised of potential changes on a regular basis. We perform an independent cost estimate for change orders. We are meticulous in every change having a paper trail and detailed, appropriately approved paperwork.
5. Control of Contactor's Schedule: ICM performs our own schedule review. We verify the schedule meets the requirements of the Construction Contract. We review the project milestones and critical tasks. We will develop a master schedule of the three projects that will allow all parties to see the track of the projects, especially as we get close to start up. ICM will work with Control Point, Frisch, and the contractors to develop a master startup schedule, this being one of the most critical aspects of the projects.

The Agencies are starting their projects with excellent design firms and three successful contractors, all with great reputations. ICM offers the Agencies a local firm who knows the local project participants, a firm with the know-how to deliver you three successful projects and successfully get them to function together. Our approach is thorough, and detail oriented, but it is also simple, without many layers of redundancy. This allows you to be in direct contact with our team leaders on a daily basis.



Quality Assurance/Quality Control (QA/QC)



**ICM employee talking with Contractor
at the SJWD Hinkle Reservoir Project,
2023**

The purpose of ICM's Quality Assurance/Quality Control program is to verify that the Project is constructed to the highest levels of quality and for overall construction contract compliance. Our QA/QC program has two components: our staff and our standard operating procedures. All our staff are part of ICM's QA/QC program in differing capacities as follows. The managers of the QA/QC program are Jeffrey Infrerra, Ricardo Bedoy, Paul Lopez, and Garrett Shonkwiler.

Jeffrey Infrerra is the lead manager of, and has ultimate responsibility for, ICM's QA/QC program. Jeff is assisted by Ricardo Bedoy, Paul Lopez, and Garrett Shonkwiler. Ricardo is a California Licensed Civil Engineer with over 35 years of experience as a construction manager and resident engineer of small and large water and wastewater public works projects. Paul has over 35 years of experience as a construction inspector of small and large water and wastewater public works projects. Garrett Shonkwiler has recently joined ICM to assist with our QA/QC program and has an accounting degree.

Supporting the QA/QC team are our experienced staff made up of two construction managers and 13 inspectors, each with more than 10 years in the water and wastewater public works industry. These engineers and inspectors are experienced and qualified. We love encouraging and training the next generation of engineers and inspectors. Currently, we have one "junior" engineer and one "junior" inspector, with less than 10 years of experience, and they are trained by our more experienced staff.

To maintain quality, we use Standard Operating Procedures (SOPs). These procedures include QA/QC procedures, inspection procedures and administration procedures.

The purpose of the QA/QC SOPs is to oversee our construction management and inspection services. This is accomplished by our QA/QC team. Through periodic, as well as random, review of ICM's work products, we are able to maintain and improve our work.

The purpose of the inspection SOPs is to attain high quality construction. The inspection procedures set the standard for the review and inspection of the contractor's quality of construction for each trade's workmanship, products, and installation. It also includes quality control testing standards.

The purpose of the administration SOPs is to provide our Owner's with the documentation needed to assist with project technical needs and for claims support. The administration procedures provide standards for project documentation, file retention and file retrieval. They address the accuracy, completeness and timeliness of project meeting minutes, contract change orders, progress payments, schedule reviews, submittal reviews, RFI reviews, labor compliance documentation, as-builts, and other reports/deliverables.



**Jeffrey Infrerra, California Licensed
Civil Engineer, Registered Construction
Inspector. Jeffrey has over 35 years of
experience as a construction manager,
resident engineer, inspector and designer
on small and large water and wastewater
public works projects.**



Proposal for
CONSTRUCTION MANAGEMENT AND INSPECTION
Wheatland-OPUD Regional Sewer Pipeline Project

Related Project/Client Information

1. Bob Granberg - Former General Manager
Stanislaus Regional Water Authority
156 S Broadway # 270
Turlock, CA 95380
rgranberg@granbergassociates.com

ICM provided construction management and inspection services for a \$240,000,000 brand new treatment plant, pump station and 7 miles of pipeline. Five contractors provided services for this large project, Jacobs, Overaa Construction, Mozingo Construction, San Joaquin Electric, and Garney Construction. This project included horizontal directions drilling and jack and bore, under railroad tracks and canals.

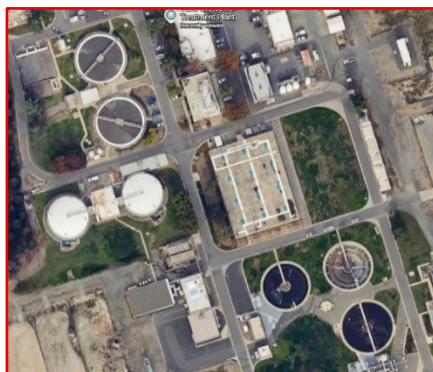


2. Liz Carrington – Senior Civil Engineer
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667
lcarrington@eid.org
(530) 642-4077

ICM provided construction management and inspection services for two consecutive projects for Liz Carrington, the Motherlode Force Main Project and the Sly Park Intertie Improvements Project. The Motherlode Force Main Project consisted of installing 3.3 miles of C900 sewer force main. This project included horizontal directional drilling and bore and jack. Teichert was the contractor on this project. The Sly Park Intertie Improvements Project is a \$47,000,000 project consisting of building a brand-new pump station and 7 miles of pipeline. There were two contractors for this project; Mozingo Construction and W.M. Lyles Co.

3. Nicholas Menezes – Public Works Director
City of Yuba City
1201 Civic Center Blvd.
Yuba City, CA 95993
nmenezes@yubacity.net
(530) 822-4640

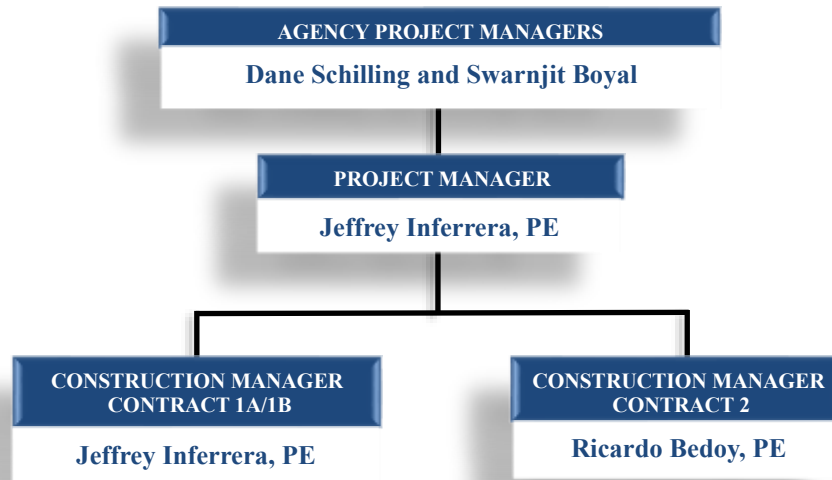
ICM provided construction management and inspection services for multiple projects for Nicholas Menezes, including the Bogue Road Sewer Extension Project and the Wastewater Treatment Facility Improvements Project. The Bogue Road project consisted of a new pump station and 1.5 miles of sewer force main.





Individual Staff Experience and Project Organization

ICM has assembled a highly experienced and qualified group of professionals for the Regional Sewer Pipeline Project. Our team has worked together on numerous projects similar to the Agency's Project. Jeffrey Inferrera will be your Project Manager and Lead Construction Manager. Jeffrey has more than 30 years of experience specializing in pipelines, pump stations, and treatment plants on projects up to \$250 million. He is a team builder who has successfully managed projects with multiple contractors and multiple owners. He will work full time on your project.



Project Manager and Contract 1A and 1B Construction Manager - Jeffrey Inferrera, PE, RCI

Mr. Inferrera will be responsible for managing the overall construction management services, inspection coverage, and mitigation measure implementation for the Regional Sewer Pipeline Project and will report directly to the Agency Project Manager. He will conduct executive project meetings and, for Wheatlands projects, he will be the first point of contact between the engineer, the Agency, and the contractor. Mr. Inferrera will also be responsible to manage the tracking of project paperwork. He will respond to field oriented RFIs and submittals and negotiate change orders.

Jeffrey is one of northern California's top resident engineers and builds a high performing team on his projects that brings in the Owner, the contractor, and the designer into a collaborative relationship that is benefit to all parties. He has over 30 years of experience as a resident engineer and inspector working on large and small public water and wastewater systems. He is knowledgeable of all trades including civil, mechanical, structural, electrical, I&C, and SCADA. He has worked on over 25 pump station and pipeline projects. He has just completed the Regional Treatment Plant, Pump Station, and Pipeline project for the Stanislaus Regional Water District. He also recently completed the Motherload Sewer Force Main Project and the Sly Park Intertie Pump Station and Pipeline Project. These projects are detailed in his resume.



Contract 1A CM and Inspection Team



Contract 1A Pipeline Inspector - Scott Ahlstrom (ICM)

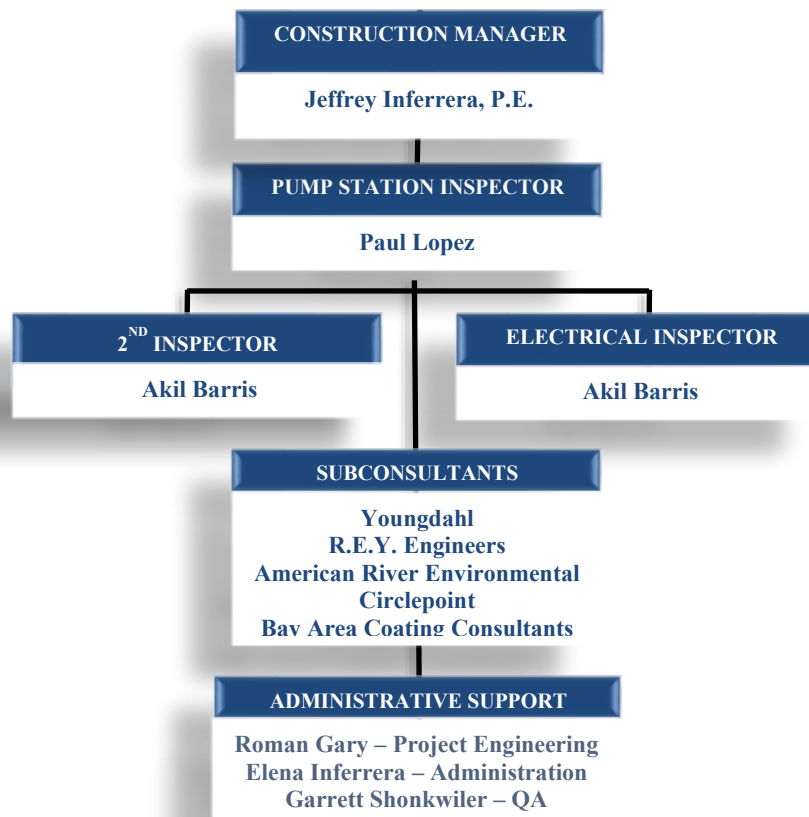
Mr. Ahlstrom has over 40 years installing and inspector pipelines. He formerly owned Ahlstrom Construction where he installed all types of pipe materials, including HDPE and C900, in all types of soils and configurations. Over the past 10 years, Scott has been one of the most sought-after pipeline inspectors in the Sacramento Area.

Contracts 1A and 2 Tunnel Inspector - Casey Kirk (Brown and Caldwell)

Casey has over 30 years of experience in construction management and inspection of water and wastewater treatment facilities and pumping facilities. His specialty is tunneling and trenchless technologies and will be responsible to be the lead inspector for the Projects HDD and jack and bore tasks.



Contract 1B CM and Inspection Team



Contract 1B Pump Station Inspector - Paul Lopez (ICM)

Mr. Lopez has over 30 years as a construction inspector for pump stations, as well as treatment plants and pipelines. He has worked on over 7 pump station projects while working with ICM. He is experienced in all trades.

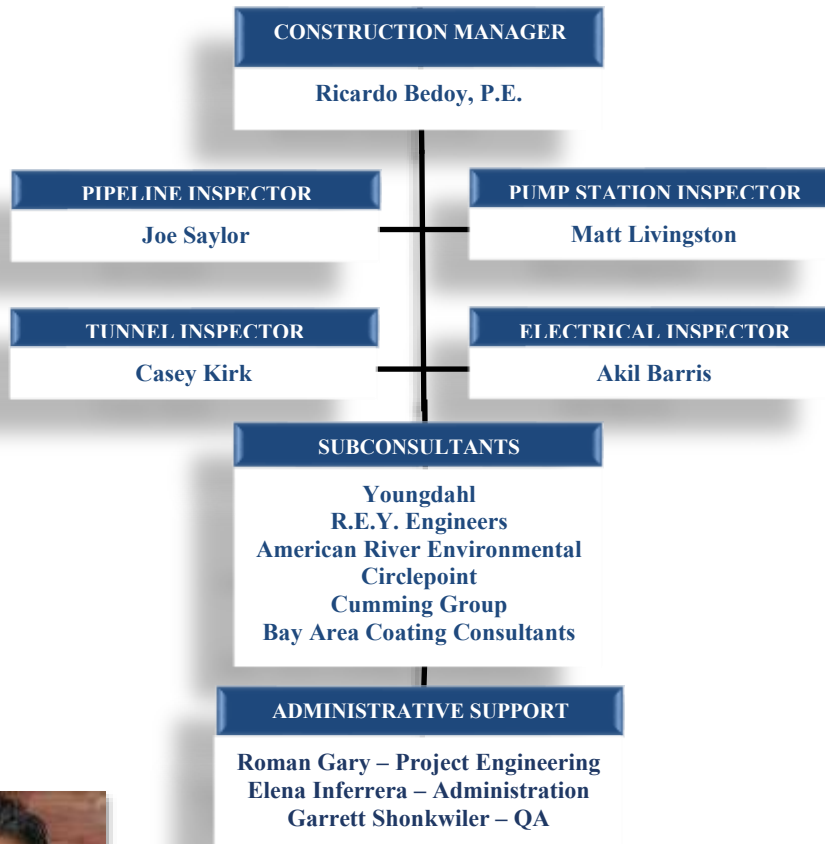


Contracts 1B and 2 Electrical Inspector - Akil Barris, ICC (ICM)

Mr. Barris is ICM's certified, full time, electrical inspector with over 12 years of experience. We depend upon him for inspecting switchgear, breaker testing, panels and PLCs, generator installation, and generally all of the larger voltage equipment. He also inspects instrumentation and controls and provides SCADA support. Mr. Barris checks our projects for code compliance on an as needed basis.



Contract 2 CM and Inspection Team



Contract 2 Construction Manager - Ricardo Bedoy (ICM)

Mr. Bedoy will be the main point of contact for Contract 2. His role is to provide resident engineering services on a part time basis. He will conduct meetings, review schedules, evaluate payment applications, resolve issue, and trouble shoot technical problems. Mr. Bedoy has more than 30 years of experience in the wastewater and water industry with emphasis in resident engineering and inspection for public works projects. He specializes in small and large pipelines and pump station projects.



Contract 2 Pipeline Inspector - Joe Saylor (ICM)

Mr. Saylor has over 30 years constructing and inspecting wastewater and water pipelines. He inspected 7 pipeline projects while working with ICM. Like Scott Ahlstrom, he has incredible experience as a pipeline contractor and will verify the pipeline is installed per the Contract.

Contract 2 Pump Station Inspector - Matt Livingston (ICM)

Mr. Livingston has over 20 years of experience working on public works projects. His experience includes pipelines, force mains, gravity lines, trenching, jack and bore, HDD, large earthwork projects, treatment plants, pump stations and roads.





Construction Management and Inspection Support

ICM has the largest, if not one of the largest, construction management and inspection groups in Northern California dedicated solely to working on wastewater and water treatment plants, pump stations, and pipelines. Our staffing resources, all local to Sacramento, is presented on the Table below:

 Resources Chart		CA Licensed Engineer	Construction Management	Treatment Plant Inspection	Building Inspection	Pipeline Inspection	Civil Inspection	Structural Inspection	Mechanical Inspection	Electrical Inspection	Coatings Inspection	Design Build	Confined Space/10 hr OSHA	Years at ICM	Years' Experience
Principal / Project Manager / Construction Manager / Inspector															
Jeffrey Inferrera, PE		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	19	34
Construction Manager / Inspectors															
Augustine Inferrera, PE		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	2	4
Eric Harman, PE		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	2	35
Ricardo Bedoy, PE		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	10	36
Inspectors															
Akil Barris, ICC				♦	♦	♦	♦	♦	♦	♦		♦	♦	1	16
Chris Inferrera, EIT, ICC				♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	6	13
Daniel Waymire				♦	♦	♦	♦	♦	♦			♦	♦	2	21
Don Kurosaka, PE		♦	♦	♦	♦	♦	♦	♦	♦				♦	6	37
George Guorgui				♦	♦	♦	♦	♦	♦				♦	1	21
John Inferrera, EIT				♦	♦	♦	♦	♦	♦				♦	1	1
Joe Saylor						♦	♦		♦			♦	♦	3	28
Keith DeLapp, B. Sc. Arch. Eng.			♦	♦	♦	♦	♦	♦	♦			♦	♦	7	32
Matt Livingston, ICC				♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	10	26
Paul Lopez			♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	14	30
Peter Lian							♦	♦	♦	♦			♦	1	35
Scott Ahlstrom						♦			♦				♦	3	35
Sam Zeitulaev, ICC				♦	♦	♦				♦			♦	1	3
Project Engineer / Document Control / Administration															
Colleen Inferrera												♦	♦	6	7
Roman Gary, EIT, MS				♦	♦	♦	♦	♦	♦	♦		♦	♦	2	3
Garrett Shonkwiler													♦	1	1
Elena Inferrera												♦	♦	3	3
Kateri Inferrera													♦	1	1



Administration Support

The following ICM team members will provide office support and quality assurance.

Project Engineering - Roman Gary, EIT, MS

Mr. Gary will be assembling the as builts, including RFIs, submittals, change orders, and field revisions. He will also assist with operating the document management system. He has been performing these functions for ICM for the past 3 years.

Quality Assurance - Garrett Shonkwiler

Mr. Shonkwiler has 6 years of experience in accounting and auditing. He will provide quality assurance for this Project. He has performed quality assurance audits for five of our projects to date and his work has helped improve ICM services.

Administration - Elena Inferrera

Ms. Inferrera has 4 years of experience working in administration for ICM. She is proficient in ProCore, Virtual PM, and handles all the paperwork that keeps the project moving.

Brown and Caldwell Support

ICM teams again with Brown and Caldwell who have offered their extensive firm services to support our team. Currently, Casey Kirk, a tunnelling specialist, is on our team to inspect the HDD and jack and bore work. Brown and Caldwell has also offered the services of the following location individuals.

- Stephen Walters - Construction Manager
- Gavin Lee - Pipeline Inspector
- Rick Sasser - Pump Station Inspector
- Dane Forsberg - Electrical Inspector
- Anthony Knapp - Pump Station Inspector

We understand that, if selected, you selected the construction managers and inspectors that ICM has presented in our proposal. ICM's staff and subconsultants are local and are dedicated to your project.

Exceptions

ICM takes no exceptions to the Sample Contract.

ICM's proposal does not contain proprietary or sensitive information.



Proposal for
CONSTRUCTION MANAGEMENT AND INSPECTION
Wheatland-OPUD Regional Sewer Pipeline Project

Appendices

- Resumés
- Sample Documents – Monthly Report Example



Mr. Inferrera has more than 30 years of experience in the water and wastewater industry with emphasis in construction management, resident engineering, and inspection. He specializes in water and wastewater treatment plants, pump stations, and pipelines.

Qualifications

Registrations:

Professional Civil
Engineer, California No.
62190

Registered Construction
Inspector (Division 1)
ACIA, No. 5832

DBIA, pending

Education:

MS, Environmental
Engineering, Cornell
University, 1991

BS, *cum laude*,
Environmental Science
and Engineering, Rutgers
University, 1986

Sly Park Intertie Project, El Dorado Irrigation District Provided construction management for a new pump station and 5 miles of pipeline from Sportsman Pump Station to Reservoir A WTP. Work included three 700 hp pumps, VFDs, three 500 KW generators, concrete and CMU building, 24-inch CMLC steel pipeline, slip line piping, treatment plant modifications

Regional Surface Water Supply Project, Stanislaus Regional Water Authority Provided construction management for a new \$240 million 15 MGD treatment plant and 7 miles of 42" and 30" pipeline. Final capacity will be 45 MGD. System components included pre-oxidation with permanganate; flash mixing; flocculation; sedimentation; ozonation; GAC/sand filters; chlorine disinfection; clear well; pumping station; residuals handling facility; chemical storage and feed equipment; corrosion control; cybersecurity provisions; power supply and emergency generator power; I&Cs; administration, operation, maintenance, and laboratory facilities; and site civil improvements.

Peterson WTP Flocc/Sed Rehabilitation Project, San Juan Water District - Resident Engineer and inspector for the rehabilitation of the WTP flocculation systems. The project consists of removal and replacement of five flocculation systems and four sludge collection systems, construction of settled water channel, baffle walls, launders, polymer pumps as well as new MCCs, fiber optics and SCADA upgrades.

WWTF Rehabilitation Project, City of Yuba City - Construction manager for this project which consisted of Digester fixed covers and gas system piping, Bar Screen replacement, structural steel canopy and sludge dewatering screw presses including conveyance system. Major electrical and control improvements included new Motor Control Centers, PLC's, 12KV transformers, electrical ductbanks, and SCADA integration of five process areas, plus modernization of facility network.

Hindle Reservoir Project, San Juan Water District - Resident engineer for the installation of a new liner and new cover on the 15-acre Hinkle Reservoir Project. This project was completed one week early.

Oak Avenue Wastewater Pump Station, City of Folsom - Performed resident engineering and inspection of the Oak Avenue Wastewater Pump Station. Station consisted of the construction vector discharge location, piping, concrete ramp, manhole, and fencing. Mr. Inferrera was responsible for contract administration, inspection, change orders, resolution of contractor conflicts and of technical issues.

Lake Forest Pump Station, City of Folsom - Resident Engineer for the demolition of the existing pump station and the construction of a new pump station with wet well, electrical, instruments, pumps, piping, flow meter, associated equipment, and site improvements. Two 15 hp submersible pumps were set at the bottom of a wet well. The pumps discharged to 8inch ductile iron force main and flowed through a magnetic

flowmeter. Mr. Inferrera was responsible for contract administration, change orders, resolution of contractor conflicts and of technical issues.

Jenny Lind Water Treatment Plant Filter & Solids Handling Project, Valley Springs, CA. - Resident Engineer for the WTP expansion upgrading the plant capacity from 5mgd to 6 mgd. The project consisted of adding a 700-gpm filter and 2,000 sq of floor area to an existing treatment building, installing solids thickener tank and sludge collector equipment, and upgrading instrumentation and controls.

Treatment Plant Expansion and Improvement Projects, City of Manteca - Construction manager and/or inspector for over \$100 million of plant expansion and improvement projects including the following:

- New Influent Pump Station.
- Construction of aeration basins and secondary clarifiers.
- New 10 mgd tertiary filtration and UV disinfection.
- New solids handling facility including sludge mixing tank.
- North Plant Aeration Efficiency Improvements.
- Two new digesters, rehabilitation of two existing digesters, new digester control building.
- Digester gas fueling facility.

Raw Water Pump Station Project, Stanislaus Regional Water District, Construction Manager for a 45,000 gpm (100 cfs) raw water pump station in the levee of the Tuolumne River, east of Modesto. This work included soil freeze excavation shoring and construction of a large pump station within a levee. Site civil work in the flood plain and discharge of high pump station flows in the river made this Project environmentally sensitive.

Atherton Booster Pump Station and Water Tank Project, City of Manteca - Construction manager for the construction of a 5 MGD booster pump station, 3.6 million steel tank, and related electrical, controls, instrumentation, piping, and site civil work.

Pump Stations Rehabilitation Project, Delta Diablo - Construction Manager for this project which consisted of rehabilitation of five active and elderly pump stations. All trades were working including piping, pumps, electrical, instrumentation and controls, coatings, concrete, HVAC, and site civil plus critical shut downs and bypass pumping.

Ione Wastewater Treatment Plant Phase 1 and 2, City of Ione - Resident engineer and inspector for the Phase 1 improvements including new wastewater pipelines interconnecting the wastewater lagoons, new dual wastewater pump station, aeration pond modifications, new aerators, electrical, coatings, vaults, and valves. Phase 2 improvements included the lining of five ponds; 550,000 sq ft of liner.

St. Andrew's Lift Station Upgrade, El Dorado Irrigation District - Resident engineer for the \$1 million upgrade of St. Andrew's Lift Station upgrade project. Construction work includes demolition of the existing electrical/mechanical dry pit, installation of five raw sewage pumps ranging from 3 to 150 hp, installation of a 500 kW generator, miscellaneous valves and piping, and a masonry electrical control building.

Las Vegas Wastewater Treatment Plant, City of Las Vegas - Resident engineer for plant expansion of city's water pollution control facility expansion from 66 to 93 mgd. This \$105 million expansion program involved 13 separate construction contracts, six separate contractors, and multiple contracts. Facilities involved in this expansion include secondary clarifiers, blower building, primary sedimentation, biological nutrient removal, chlorination/dichlorination, chemical feed facilities, filtration, anaerobic digesters, pumping stations, SCADA, headworks, mechanical dewatering, odor control, and O&M building. Approximately 10,000 lineal feet of pipeline was installed ranging in size from 8 to 120 inches in diameter.



Mr. Bedoy has over 30 years of experience in the construction management and inspection of construction projects. Projects range up to \$84 million. His expertise is in the management and inspection of treatment plants, pump stations and pipelines.

Qualifications

Registrations:

Professional Civil
Engineer, California
No. 39403

Education:

B.S., Civil Engineering,
California State
Polytechnic University,
Pomona, 1983

Certification

Army Corps
Contractors CQM
Certification
(Expired 2020)

Arden Service Area Pipe & Meter Installation Phases 1B, 3, & 4,5,6 Project – Sacramento County Water Agency

Mr. Barris was the construction inspector for this potable water pipeline and meter project. The combined construction value of all three phases is \$117 million. The three phases of the Project are as follows:

Phase 1B: 1/2 mile of 8" pipe, 4 miles of 10" pipe, 1/2 mile of 12" pipe, 1 mile of 16" pipe, and 299 meters.

Phase 3: 5 miles of 8" pipe, 1/2 mile of 10" pipe, 1 mile of 12" pipe and 618 meters.

Phase 4,5,6: 12 miles of 8" pipe, 1/2 mile of 10" pipe, 3 miles of 12" pipe and 1,423 meters.

The construction of the 35 miles of water mains and 2,919 meters installations included fire hydrants, backflow preventers, appurtenances, disinfection, and tie ins. Also included was inspection of pipe installation, lateral tie ins, bedding, backfill, shoring, and traffic control.

Arden Service Area Pipe & Meter Installation Ph 1B Project – Sacramento County Water Agency

Construction Manager for the construction of 8 inch and 12 inch water mains as well as fire hydrants, backflow preventers, appurtenances and tie ins, new metered services. Consisted of approximately 3 miles of pipeline. Inspection was performed on the pipe installation, lateral tie ins, bedding and backfill, shoring, and traffic control. Construction cost \$7,800,000.

Arden Service Area Pipe & Meter Installation Ph 2B Project – Sacramento County Water Agency

CM and inspector for the construction of 8 inch and 12 inch water mains as well as fire hydrants, backflow preventers, appurtenances and tie ins, new metered services. Consisted of approximately 3 miles of pipeline. Inspection was performed on the pipe installation, lateral tie ins, bedding and backfill, shoring, and traffic control. Construction cost \$9,900,000.

Penn Valley Pipeline, Pump Station and WWTP – Nevada County

Resident engineer for the installation of 46,000 LF of 6" HDPE Sewer Force Main, Hwy 20 bore & jack, and Horizontal Directional Drill (HDD), 20" HDPE sewer gravity line, 20" HDPE pipe burst of a 15" VCP sewer line, new manholes, and rehabilitation of existing manholes, new pump station in Penn Valley, and headworks improvements at the Lake Wildwood Treatment Plant. Headworks improvements included recoating with Enduroflex, a new grit removal system and headworks odor control system. Construction cost \$6,000,000.

Peterson WTP Floc/Sed Rehabilitation Project – San Juan Water District, CA. Resident Engineer and Inspector for the rehabilitation of the WTP flocculation systems. The project consists of removal and replacement of five flocculation systems and four sludge collection systems, construction of settled

water channel, baffle walls, launders, polymer pumps as well as new MCCs, fiber optics and SCADA upgrades.

Newark Sub-Basin Upper Relief Sewer Project - Union Sanitary District

Construction Inspector for the construction of 3,500 feet of 21-inch polycrystalline sewer using micro-tunneling methods to cross under a highway bridge and railroad, and construction in residential and commercial areas. Construction cost \$3,000,000.

BMP CDS Project - Pajaro Valley Water Management Agency

Construction Manager for the construction of 10 miles of recycled water pipeline, 12-inch to 36-inch steel pipe, bores across Highway 1, Horizontal Directional Drill across the Pajaro River with 1,300 feet of 36-inch steel pipe, having a construction cost of \$17,250,000.

Willow Pass Pump Station and Pipeline - Contra Costa Water District

Resident Engineer for the construction of a 20,000 GPM pump station and two miles of 30-inch steel pipeline through commercial areas and contaminated soil removal. Construction cost \$7,000,000.

Bay Point Pipeline and Pump Station - Contra Costa Water District

Resident Engineer for the construction of three miles of 20-inch steel pipeline and new pump station. The project consisted of pipeline construction through residential areas and Federal property, contaminated soil removal and extensive utility conflicts. Construction cost \$3,200,000.

Castroville Seawater Intrusion Project - Monterey County Water Resources Agency

Construction Manager for the construction of 43 miles of HDPE and CCP recycled water pipeline, ranging from 12-inch to 51-inch diameter, retrofit of existing water wells, new wells, pump stations, and bore crossings. Construction cost \$32,000,000.

East Segment Pipeline: WSIP San Joaquin Region Projects - San Francisco PUC

Lead Inspector for the construction of 6.7 miles of 78-inch welded steel pipe, three valve structures, fabrication inspection, having a construction cost of \$45,000,000.

West Segment Pipeline, WSIP San Joaquin Region Projects - San Francisco PUC

Lead Inspector for the construction of 11 miles of 78-inch welded steel pipe, four highway bore-crossings, crossing Delta-Mendota Canal and California Aqueduct, Construction cost \$48,000,000.

Pipeline Phase II Project - San Diego Gas & Electric

Project Engineer for Phase II consisting of 30,000 feet of 36-inch steel gas main through heavily travelled commercial districts and a \$6,000,000 construction cost.

Pipeline 4 Extension, Phase II - San Diego County Water Authority

Resident Engineer for 7.75 miles of 72-inch steel pipeline construction through fully developed residential areas, open country, tunnel crossings of major arterials, and environmentally sensitive areas. Construction cost \$25,000,000.

Reservoir 4A & Pump Plant No. 6 - La Habra Heights County Water District

Project Manager for the design and construction of a 2.0 MG steel reservoir and pump station relocation having a \$1,100,000 construction cost.



Mr. Barris has more than 16 years of experience in the construction industry. With one year of experience inspecting, under ICM's tutelage, Mr. Barris has become an outstanding public works inspector. His emphasis is in electrical systems for water and wastewater projects.

Qualifications

Certificates/ Registrations

ICC Mechanical Inspector
ICC Electrical Inspector

OSHA 10/20/40 hr Training
Confined Space Training

Sly Park Intertie Project – El Dorado Irrigation District

Special electrical inspector for a new pump station at Reservoir A WTP. Work inspected included three 700 hp pumps, VFDs, three 500 KW generators, conduits, ductbanks, communications, and main switch board modification which involved a green tag inspection with PG&E.

FEMA Generator Project - El Dorado Irrigation District. Special inspector for the installation of fifteen emergency backup generators at District's remote facilities. The facilities were both wastewater lift stations and water pump stations. Generator installation required shut downs, startup and testing. Other parts of the project included retaining walls, concrete slabs, and electrical installation.

Arden Service Area Pipe & Meter Installation Phases 1B, 3, & 4,5,6 Project – Sacramento County Water Agency

Mr. Barris was the construction inspector for this potable water pipeline and meter project. The combined construction value of all three phases is \$117 million. The three phases of the Project are as follows:

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Phase 3: 5 miles of 8" pipe, 1/2 mile of 10" pipe, 1 mile of 12" pipe and 618 meters.

Phase 4,5,6: 12 miles of 8" pipe, 1/2 mile of 10" pipe, 3 miles of 12" pipe and 1,423 meters.

The construction of the 35 miles of water mains and 2,919 meters installations included fire hydrants, backflow preventers, appurtenances, disinfection, and tie ins. Also included was inspection of pipe installation, lateral tie ins, bedding, backfill, shoring, and traffic control.

Prior Construction Project Experience

Mr. Barris has worked as a project manager and a tradesman on multiple water projects including pipeline installation, bore pit construction, water tank construction, valve installation, and construction of concrete vaults. His wastewater construction experience includes pipeline installation, manhole installation, manhole rehabilitation, CCTV and cleaning of sewer pipes.



Mr. Saylor has more than 35 years of experience working on construction projects. His experience includes all types of pipe materials, trenchless technologies, site civil work, working in streets and working with the public. His inspector duties include verifying work is installed per plans and specifications, documenting work with photographs and daily reports, completing as-built drawings, and coordinating with the design engineer, agencies, and the public.

Sly Park Intertie Project - El Dorado Irrigation District. Inspector for the construction of a potable water pump station and a pipeline interconnecting two water treatment plants. The pump station consisted of three 700 hp pumps in a concrete and CMU building, piping, valves, three backup generators, MCC, fiber optics, electrical, instrumentation, controls, and SCADA. The pipeline work included 5-miles of 24-inch, a half mile of 30-inch CMLC steel pipe, 1,000 feet of sliplining a 22-inch steel pipe with 14-inch PVC, creek crossings, 60 degree slopes, bedrock, blow offs, ARVs, and cathodic protection. The pipeline portion of this \$45 million project is scheduled to be completed in 2025. Joe worked together with District staff for shutdowns and tie ins including operational staff at Reservoir A and distribution staff for the pipeline. He is knowledgeable of the District's testing, flushing and disinfection procedures.

Flume 47A – El Dorado Irrigation District. Inspector for flume replacement, retaining wall, slope stabilization, and access road.

Mother Lode Force Main Project – El Dorado Irrigation District. Inspector for this \$13 million project consisting of 3 miles of 18- and 20-inch C900 sewer force main installed from the El Dorado Lift Station to the Shingle Springs Lift Station mostly in the east bound lane of Mother Lode Drive, including rock excavation, three microtunnels, paving, and valves. This project was successfully finished with no claims.

30" WSP Pipe Highway 50 Project – El Dorado Irrigation District. Inspector for 1,000 linear feet of welded steel pipeline for transmission of potable water including appurtenances, testing, flushing, and disinfection.

Carson Creek Lift Station – El Dorado Irrigation District. Inspector for this new lift station in the Town Center Development in El Dorado Hills. This was a developer project as part of the development backbone infrastructure.

Pollock Pines Pipeline Project – El Dorado Irrigation District. Inspector for 4 miles of 4 to 10 inch ductile iron potable water pipe. This pipeline was constructed in roadways requiring extensive traffic control and coordination with El Dorado County Department of Transportation. Joe worked with EID's distribution staff for the testing, flushing, and disinfection of the pipeline.

Developer Subdivision Pipeline Projects – El Dorado Irrigation District. Inspector for water and sewer pipelines in ten subdivisions for an ultimate build out of 618 homes. Joe verified compliance with the District's standards and specifications. He also coordinated with EID's distribution staff for the testing, flushing, and disinfection of the water lines.



Qualifications

Certifications:

ICC Building Inspector,
5232456-10

ACI Level 1 01031459

Troxler Nuclear Gauge
Certification 44154

Mr. Livingston has over 20 years of experience as a construction inspector. He has performed inspection on water and wastewater treatment and distribution projects including treatment facilities. His experience includes building inspections, code compliance, site civil work, pipelines, force mains, gravity lines, trenching, working in streets and working with the public.

Water Treatment Plant and Pipeline Project - Stanislaus Regional Water Agency. SRWA's \$250 million Regional Surface Water Supply Project consisted in the construction of a new 15 MGD water treatment plant, 7 miles of potable water pipeline to the City of Turlock, 5 miles of potable water pipeline to the City of Ceres, and a 1 mile raw water pipeline from the Tuolumne River Water Intake Pump Station to the treatment plant. Matt was inspector on this 3-year project from start to finish. The pipelines consisted of two potable water force mains made of 30" MCML and 40" MCML steel pipe, and one 48" MCML raw water pipeline. There were six jack and bore tunnels including two under the Santa Fe Railroad and others under EID canals. The treatment plant consisted of rapid mix tanks, flocculation and sedimentation tanks, filter building, chemical building, backwash tank, sludge lagoons, administration building, laboratory, and maintenance building.

Arden Service Area Pipe and Meter Installation Project – Sacramento County Water Agency. These were three concurrent but separate pipeline projects. The projects included the installation of 6 inch to 12 inch ductile iron pipe and C900 pipe. Each project encompassed about 3 miles of water force main in Sacramento neighborhoods and installation of 100s of meters, plus valves and hydrants. This work also included disinfection inspection.

Raw Water Pump Station Project - Stanislaus Regional Water Agency. Inspector for a 45,000 gpm (100 cfs) raw water pump station in the levee of the Tuolumne River, near Hughson. This work included soil freeze shoring to a depth of 75 feet that facilitated the excavation and construction of a large pump station within the levee. Site civil work in the flood plain and discharge of high pump station flows in the river made this Project environmentally sensitive.

North Trunk Sewer Project – Manteca, CA. This project involved the construction of two miles of 48-inch RCP sewer pipe and 12-inch C900 water force main. Matt was the inspector mostly for the micro tunnel portion of the Project. Two micro tunnels were constructed. The first micro tunnel consisted in a 230 foot long, and 30 foot deep, 80-inch micro tunnel under Airport Road. The second micro tunnel consisted in a 375 foot long, and 35 foot deep, 60-inch micro tunnel under Yosemite Boulevard.

FEZ South Trunk Sewer Project – Manteca, CA. This project involved the construction of two miles of 48-inch RCP sewer pipe and 12-inch C900 water force main. Matt was the inspector mostly for the micro tunnel portion of the Project. The micro tunnel consisted in a 500 foot long, and 30 foot deep, 80-inch micro tunnel under State Highway 120.

SFPUC San Joaquin Eastern Segment Water Pipeline. Civil QA Inspector on a 6.7-mile, 78-inch water pipeline project with a construction cost of \$45,000,000. Responsible for QA inspection of rebar & concrete construction for three Valve Vault structures and the Oakdale Portal Protection structure.

SFPUC San Joaquin Western Segment Water Pipeline. Civil QA Inspector on an 11-mile, 78-inch water pipeline project with a construction cost of \$48,000,000. Responsible for QA inspection of native soil cement placement in the pipe zone & trench backfill.

SFPUC Tesla Water Treatment Facility. Civil QA Inspector on design-build project with a construction cost of \$84,000,000. Responsible for inspection of concrete, roofing, building inspection of the various building trades, AC paving, and punch list inspections.

WQCF Digester Project – Manteca, CA. lead inspector for the construction of two digesters, and rehabilitation of two existing digesters including grading, stone column soil densification, underground utilities (gas, electrical, process piping, storm water), reinforced concrete structures, CMU digester control building, 17kv power, instrumentation, controls, CMMS, and SCADA.

BART Intermodal Modernization Project - Union City CA. as a Quality Control Manager, provided all inspection work for civil, underground, concrete structures and building trades.

Presidio Monterey, General Instruction Building. Provided QC inspection of structural construction. Perform civil and building inspection of general civil works and the various building trades. This was a \$42 million project.

Deuel Institute, Water Treatment Facility - Tracy CA. Performed civil inspection and testing.

Deuel Institute, Reverse Osmosis Facility - Tracy CA. Performed civil inspection and testing throughout entire project. Performed special inspections including epoxy anchors and pull testing. This was a \$32 million facility.



Mr. Lopez has 29 years of experience as a public works construction inspector. He has performed inspection on water and wastewater treatment and distribution projects including treatment facilities, pump stations, and pipelines. His work includes reinforced concrete and masonry structures, mechanical equipment, force mains, gravity lines, trenching, jack and bore, electrical and instrumentation, working in streets and working with the public.

Qualifications

Education/Certifications

Civil Engineering, California State University, San Diego, 1983 to 1986

Registered Construction Inspector (Division 1), American Construction Inspectors Association, No 6035

D1 – Water Distribution Operation, California Department of Health, No 42251

Competent Person Training, Trenching and Excavation

Confined Space Training, Asbestos Concrete Pipe Safety Training

Pleasant Grove Wastewater Treatment Plant, City of Roseville, CA

Inspector for the Pleasant Grove \$98 million wastewater treatment plant. For three years, provided inspection and reporting of over 20 structures including the pump station and headworks. Covered civil, structural and mechanical disciplines. Inspected deep underground pipelines that required shoring and dewatering. Inspected ductile iron pipe, vitrified clay pipe, reinforced concrete pipe, and lined piping systems. Mechanical inspection included vertical turbine pumps, compressed air filtration and HVAC systems. Inspected utilities, reinforced concrete and masonry structures, structural backfill, and roadway construction. Provided inspection for coatings and electrical. Reviewed contractor progress payments, submittals, RFI's and SWPPP.

Water Treatment Plant Sedimentation and Flocculation Improvements Project – San Juan Water District, CA.

Inspector for the replacement of sludge removal system, flocculator drive motors and paddles, rapid mixers and motor control cabinets (MCC). Work included new structural support columns, 500 linear feet of a concrete settled water channel, chlorine and polymer distribution systems, stainless steel and ductile iron piping systems and new sample pumps and analyzers.

Yuba WWTF Rehabilitation , City of Yuba City, CA

Inspector for the City of Yuba City Wastewater Treatment Facility Improvements Project consisted of Digester fixed covers and gas system piping, Bar Screen replacement, structural steel canopy and sludge dewatering screw presses including conveyance system. Major electrical and control improvements included new Motor Control Centers, PLC's, 12KV transformers, electrical ductbanks, and SCADA integration of five process areas, plus modernization of facility network.

Wastewater Treatment Plant Expansion Project, City of Woodland, CA

Senior construction inspector on this \$28 million wastewater treatment plant expansion project. With a project duration of two years, provided inspection and reporting of over 10 structures including a new pump station at a depth of 15 feet including dewatering and Class 3 soils. Underground pipe trenches were shored and dewatered, soil conditions were poor. Inspected aboveground piping, concrete structures, manholes, and pump and mechanical systems. As the inspector of record, provided oversight of all construction activities, coordinated work activities with the general contractor, and was responsible for project daily inspection and report writing. In addition, worked directly with the design engineer to work through design changes and resolve construction issues. Reviewed progress payments, submittals, and RFI's.

Peterson Water Treatment Plant Pipeline and Plant Improvements, San Juan Water District, CA.

Inspector for construction at this 120 MGD plant. This \$4 million project consisted in the complicated construction of 78 inch, 72 inch, and 60 inch mortar lined and coated welded steel pipe within the District's water treatment facility. Pipes ran over, under and around all types of utilities and structures. Extensive blasting was performed in granite rock. Multiple complete plant shutdowns were performed. Plant improvements included chlorine and laboratory piping.

Wastewater Treatment Plant Improvements Project, City of Manteca, CA

Inspector for a sludge removal system, water diversion structure, mechanical shop and employee locker room. The work included new masonry buildings, concrete diversion structure, underground pipelines, aboveground piping systems, mechanical systems and electrical improvements. As the inspector of record, provided oversight of all construction activities, coordinated work activities with the general contractor, and was responsible for project daily inspection and report writing. In addition, worked directly with the design engineer to work through design changes and resolve construction issues. Reviewed progress payments, submittals, and RFI's.

Carson Creek Pump Station – El Dorado Irrigation District, CA. Inspector for the demolition of an existing sewer pump station and construction of a new replacement pump station. The work included new wet well, electrical/operations building, pumps, emergency generator, force main piping, gravity piping, electrical, and site civil.

Bridlewood Canyon Pump Station – El Dorado Irrigation District, CA. Inspector for the rehabilitation of an existing sewer pump station. The work included wet well improvements, new MCC's and instrumentation, pumps, emergency generator, odor control, force main piping, electrical, and site civil.

Lake Forest Pump Station – City of Folsom, CA. Inspector for the demolition of an existing pump station and construction of a new replacement pump station. The work included new wet well, pumps, emergency generator, force main piping, gravity piping, electrical, and site civil.

Oak Avenue Pump Station – City of Folsom, CA. Inspector for the rehabilitation of an existing pump station and installation of new pumps. The work included new overflow holding tanks, pumps, force main piping, gravity piping, electrical, and site civil.

Atherton Pump Station and Tank Project – Manteca, CA. Inspector for the construction of a 5 MGD pump station, 3.6 million steel tank, and related electrical, controls, instrumentation, piping, and site civil work.

Municipal Well Pump Station and Piping System - City of Woodland, CA

Senior construction inspector on this \$1.5 million water pumping and piping system. The project included over 4,000 feet of underground piping including ductile iron pipe in City roadways. As the inspector of record, provided oversight of all construction activities, coordinated work activities with the general contractor, and was responsible for project daily inspection and report writing.

Van Maren Pumping Station, County of Sacramento, CA

Construction inspector for a new \$17 million pump station. This 2 year project included a T-lock lined 35 foot deep wet well, two diversion structures, three tunnel borings and 1500 feet of 36" sanitary sewer pipeline 24 feet below grade. With poor soil conditions, shoring and dewatering was critical. Inspected subgrade, rebar, formwork, concrete placement, T-lock lining system, pipeline installation, backfill, pump installation, and instrumentation. Reviewed contractor progress payments, submittals, RFI's and performed SWPPP inspections.



Mr. Ahlstrom has over 20 years of experience as a public works construction inspector. He has performed inspection on water and wastewater treatment and distribution projects including pipelines, treatment facilities, and pump stations.

Qualifications

Certificates/ Registrations

Class A Contractors License

D1 Water Distribution
Operator

Confined Space Training

Arden Service Area Pipe & Meter Installation Phases 1B, 3, & 4,5,6 Project – Sacramento County Water Agency

Inspector for the construction of 8 inch and 12 inch water mains as well as fire hydrants, backflow preventers, appurtenances and tie ins, new metered services. Consisted of approximately 30 miles of pipeline. Inspection was performed on the pipe installation, lateral tie ins, bedding and backfill, shoring, and traffic control. Construction cost \$24.1 million.

Other Project Experience

- Well 41 Pump Station Improvements Project, SSWD
- Well 78 Butano/Cottage Pumping Plant Project, SSWD
- Greenberry Water Meter Retrofit Project, SSWD
- Arcade Creek Crossing Project, SSWD
- U Street Loop Project, SSWD
- Thor Water Main Replacement Project, SSWD
- Jonas Water Main Replacement Project, SSWD
- Albatross Water Main Replacement Project, SSWD
- Naomi Water Main Project, SSWD
- Edison Meadows Water Main Replacement Project, SSWD
- Parkland Estates Water Main Replacement Project, SSWD
- Drayton Heights Water Main Replacement Project, SSWD
- Santa Anita Water Main Replacement Project, SSWD
- Arden Oaks Water Main Replacement Project, SSWD
- North Country Club Estates Water Main Replacement Project, SSWD
- Oak Plains Estates Water Main Replacement Project, SSWD
- North Highlands Phase II Water Main Replacement Project, SSWD
- Tower-Tesla Water Main Replacement Project, SSWD
- New Broadmoor Water Main Replacement Project, SSWD
- Country Club Estates Water Main Replacement Project, SSWD
- Terry Lynn Estates Water Main Replacement Project, SSWD



Ms. Inferrera has over 4 years of experience in the administrative world, including document control, certified payroll, electronic filing, ProCore and Virtual PM. She will manage the document tracking system and general administration. She specializes in document control of pipelines, pump stations, and water and wastewater treatment plants.

Project Administration and Controls on the following projects:

Qualifications

Certifications:

Confined Space Certified

OSHA Certified

CPR/First Aid Certified

Pump Stations

- Arden Fluoridation Facilities Project – *Golden State Water Company*
- Reservoir 3 and Clarifier Re-Coating Project – *Golden State Water Company*
- Trussel Plant – Well Equipping, Booster Station & Reservoir – *Golden State Water Company*
- Raw Water Pump Station Phase 1 – *Stanislaus Regional Water Authority*
- River Bluff Reservoir and Pump Station – *City of Ceres*
- Pump Stations Rehabilitations – *Delta Diablo Sanitation District*
- Oak Avenue Pump Station PWWF Relief Project – *City of Folsom*

Pipelines

- Barrett Ranch East Phase 1 – *Sacramento Suburban Water District*
- Arden Water Services and Pipeline Phase 1B – *Sacramento County Water Agency*
- Arden Water Services and Pipeline Phase 2A – *Sacramento County Water Agency*
- Arden Water Services and Pipeline Phase 2B – *Sacramento County Water Agency*
- Arden Water Services and Pipeline Phase 3 – *Sacramento County Water Agency*
- Arden Water Services and Pipeline Phases 4, 5, 6 – *Sacramento County Water Agency*
- Fair Oaks 40 Pipeline Relining Project – *San Juan Water District*
- Hanks Exchange Pipeline – *El Dorado Irrigation District*
- Mare Island Way Sewer – *Vallejo Flood & Wastewater District*
- Stormwater Trash Capture Project – *Vallejo Flood & Wastewater District*
- Lafayette Sewer Renovations – *Central Contra Costa Sanitary District*
- North Trunk Sewer Project – *City of Manteca*
- Water Mains and Services Project – *San Juan Water District*
- Valley Vista Development Project – *Tuolumne Utilities District*
- Garden Highway Trunk Line Rehab Phase 1 Project – *City of Yuba City*
- Town Center Force Main Phase 3 – *El Dorado Irrigation District*

Treatment Plants

- Peterson Water Treatment Plant FLOC/SED Rehabilitation – *San Juan Water District*
- Regional Surface Water Supply Water Treatment Plant – *Stanislaus Regional Water Authority*
- Hinkle Reservoir Outage Temporary Tanks – *San Juan Water District*
- Wastewater Treatment Facility Improvements Project – *City of Yuba City*
- Wastewater Treatment Plant Odor Control Project – *El Dorado Irrigation District*
- Deer Creek Process Improvements – *El Dorado Irrigation District*
- WTP Backwash and Recycled Water Upgrades Project – *City of Folsom*
- Hinkle Liner and Cover Replacement – *San Juan Water District*
- Collections Relocation EDHWWTP – *El Dorado Irrigation District*

Since joining ICM, Mr. Shonkwiler has provided quality assurance/quality control audits on our projects. Coming from the accounting field, we are excited at meticulous attention to detail.

Qualifications

Certifications:

Confined Space Training
OSHA / 10 Hr
Construction Scheduling
and Claims Course

Mr. Shonkwiler has six years of experience in accounting and one year with ICM. He is proficient in quality assurance and has worked on several ICM projects including the following:

Arden Service Area Pipe and Meter Installation Project, Phases 4,5,6 – Sacramento County Water Agency

Provided Quality Assurance and auditing to ICM's construction management and construction inspection.

Sly Park Intertie Project – El Dorado Irrigation District

Provided Quality Assurance and auditing to ICM's construction management and construction inspection.

Water System Flow Control Facilities Rehabilitation Project – City of Folsom

Provided Quality Assurance and auditing to ICM's construction management and construction inspection.

Pleasant Hill Sewer Renovations Phase 4 Project - Central Contra Costa Sanitary District

Provided Quality Assurance and auditing to ICM's construction management and construction inspection.

Groundwater Recharge Basins Project- City of Stockton

Provided Quality Assurance and auditing to ICM's construction management and construction inspection.

5 Star Intertie Project - City of Roseville

Provided Quality Assurance and auditing to ICM's construction management and construction inspection.



Mr. Gary specializes in keeping projects on track. His emphasis is coordinating bid documents, conformed documents and as built documents. He is experienced in document control using Procore, Virtual Project Manager, and Synology NAS.

Qualifications

Registrations:

EIT, Civil, 163958, 2018

OSHA 10 Hour

Confined Space Training

Education:

MS, Civil Engineering,
Sacramento State
University, 2022

BS, *cum laude*, Civil
Engineering, San Diego
State University, 2018

Sly Park Intertie Project, El Dorado Irrigation District Assistant resident engineer for the construction of a potable water pump station and a pipeline interconnecting two water treatment plants. The pump station consisted of three 700 hp pumps in a concrete and CMU building, piping, valves, three backup generators, MCC, fiber optics, electrical, instrumentation, controls, and SCADA. The pipeline work included 5-miles of 24-inch, a half mile of 30-inch CMLC steel pipe, 1,000 ft of sliplining a 22-inch steel pipe with 14-inch PVC, creek crossings, 60 degree slopes, bedrock, blow offs, ARVs, and cathodic protection. This \$45 million project is scheduled to be completed in 2025.

Mother Lode Force Main Project, El Dorado Irrigation District Assistant resident engineer for this \$13 million project consisting of 3 miles of 18- and 20-inch C900 force main installed from the El Dorado Lift Station to the Shingle Springs Lift Station mostly in the east bound lane of Mother Lode Drive, including rock excavation, tunnelling, paving, and valves.

Five Lift Stations Rehabilitation Project, Delta Diablo Assistant construction manager for the Delta Diablo Sanitation District Pump Station Rehab project which consisted of rehabilitation of five wastewater pump stations. Work included all trades including pipelines, pumping systems, electrical, instrumentation and controls, industrial coatings, concrete, HVAC, and building construction.

Document Control using Procore on the following projects:

- EID 2024 Collections Rehabilitation Project
- EID East Ridge Tank and Pump Station
- EID Braden Court PRS #1 Replacement and Transmission Valve Upgrades
- El Dorado Hills Wastewater Treatment Plant Filter Rehabilitation
- EID Emergency Backup Generator Upgrades
- EID Flume 47A Replacement
- EID Folsom Heights – Phase 1
- EID Motherlode Force Main Phase 3
- EID Reservoir 4 and Reservoir 7A/7B Tank Rehabilitation
- EID Reservoir 1 WTP Generator Replacement
- EID Sly Park Intertie
- EID Silver Lake Well
- EID Silver Springs Unit 3
- EID Reservoir 1 Floating Cover Emergency Replacement
- EID Pioneer Place Force Main

Stephen Walters, P.E.

Construction Manager

Stephen is a Construction Manager with 25 years of experience in construction management and civil engineering design in Northern California.

He has served every role from Resident Engineer to Construction Inspector to deliver hundreds of millions of dollars of water, wastewater, and bridge construction projects. His areas of expertise include water pumping, well, storage, and treatment facilities, wastewater pumping facilities, piping, pipe rehabilitation, and various trenchless construction methods. His background includes bridge construction, structures construction, paving, civil improvements, electrical, and instrumentation and controls (I&C) systems. His design experience aids in performing constructability reviews that allow him to bridge gaps between design and field staff.

Paradise Pump Station Replacement, City of Corte Madera, Corte Madera, CA

Construction Manager. The project included construction of a new wet-well/dry-pit type 13.1 MGD facility located within a building on the property adjacent to and north of the existing pump station, demolition of this existing pump station, and associated site improvements. The new facility included five pumps; two 30 HP and three 300 HP dry-well mounted submersible pumps housed in a 50- by 60-foot, two-story structure with a 28-foot-deep overflow and wet-well/pump intake area. Additional systems included a 1250 kW standby diesel generator, fuel storage and delivery, chemical injection, and surge suppression. Stephen coordinated several value engineering proposals, saving approximately \$200,000 in construction costs.

Golden Hind Pump Station and Collection System Replacement, City of Corte Madera, Corte Madera, CA

Construction Manager. The new pump station included a submersible pump station, control system, emergency diesel generator, and directional drill replacement of 8,500 feet of gravity sewer. The project included video inspection and cure-in-place pipelining of over 200 laterals.

Stephen was responsible for daily inspections, quality assurance, document control, meetings, progress payments, change orders, negotiations, start-up assistance, punchlist, and close-out.

Parallel Forcemain Construction Management, City of Corte Madera, Corte Madera, CA

Construction Manager. This project rehabilitated approximately 4,500 LF of sanitary sewer forcemain. The work included sliplining portions of an existing forcemain and installing new force using sliplining, horizontal directional drilling, and traditional open cut. The project restored and improved sidewalks, pavement, traffic medians, and traffic signals. Stephen performed a pre-bid constructability review focused on staging and location of sliplining and receiving pits. He coordinated value engineering proposals to directional drill portions of the new forcemain and hot tap final connection to the District's primary force main.

ASSIGNMENT Construction Manager

EDUCATION
B.S., Civil Engineering,
California Polytechnic State
University, San Luis Obispo,
2000

YEARS OF EXPERIENCE
25

JOINED FIRM
2020

CERTIFICATION/TRAINING
Certificate Local Assistance
Resident Engineer Academy,
Institute of Transportation
Technology, 2008

Confined Space Trained, 2016

Competent Person Training for
Excavations, 2016

RELEVANT EXPERIENCE

- Construction Management
- Constructability Reviews
- Water & Wastewater Construction
- Bridge & Structures Construction
- Paving & Civil Improvements
- Electrical
- Instrumentation and controls (I&C) Systems
- Multiple Web-based Construction Management Software (eBuilder, Procore, VPM)
- Basic AutoCAD
- Partnering
- Microsoft Project

Family Entertainment Zone – Phase 1 Underground Utilities, City of Manteca, Manteca, CA

Construction Manager. This project included the construction of new drainage, wastewater, and water facilities. Stephen was responsible for overall contractor administration, inspection, coordination, quality assurance, schedule, and budget management. He performed constructability reviews prior to bid. The existing force main that delivers wastewater from south of SR 120 to the Water Quality Control Facility will be replaced by completing a 4,405 LF extension of the existing 48-inch trunk. For this extension, 1,905 LF will be placed by means of microtunneling, including 315 LF of a 78-inch casing crossing SR120. The remaining 2,500 will be installed using open-cut methods.

South County Water Supply Program, South San Joaquin County Irrigation District, San Joaquin County, CA

Assistant Construction Manager. This project constructed 37 miles of 30- to 54-inch pipeline which will carry 150 MGD of treated water. This project consisted of five separate contracts with three different contractors performing work. Stephen assisted with overall construction management and inspection of the project. The project included a 640-foot prefabricated steel pedestrian/bike bridge over the San Joaquin River; 730 feet of directional drill crossing of Paradise Cut; and 25 bore-and-jack crossings under railroads, pipes, culverts, roads, and channels. Permits were required for two crossings of Caltrans freeways, a 1,600-foot longitudinal encroachment along Caltrans right-of-way, 10 UPRR crossings, and a BNSF railroad crossing. The Project included environmental permit compliance and an extensive Mitigation Monitoring Reporting Program for the South San Joaquin Irrigation District.

Downtown Water Mains Replacement Hillcrest Neighborhood, City of Roseville, Roseville, CA

Construction Manager. BC provided construction management and inspection services for this \$7 million Design-Assist water main replacement project. The project replaced 20,000 feet of 8-inch and 12-inch water main in the 80-year-old Hillcrest neighborhood. It included the replacement of over 350 1-inch to 2-inch service lines and connections to existing meters. The project required close coordination with the contractor, City Operations and Construction staff, and the design engineer to locate existing utilities, analyze final alignments, and preplan for shutdowns and tie-ins.

Del Rio Tank No. 14, Well No. 68, and Pump Station, City of Modesto, Modesto, CA

Construction Manager. The facility included a 250,000-gallon potable water storage tank, a 1 MGD pump station, and a 1,000 GPM domestic well. The 60-foot diameter steel tank will be constructed in accordance with AWWA D100 specifications. The pump station includes three 60 horsepower axially split centrifugal pumps and will be housed in a 40- by 51-foot concrete masonry building. Additional features include approximately 2,650-feet of 16" transmission main, an emergency generator, drainage basin, and site improvements.

Water Storage Improvement, City of Tulare, Tulare, CA

Construction Manager. This program constructed three new potable water storage and pumping facilities. Each site consists of a 1.5 to 2-million-gallon pre-stressed concrete tank, 1,000 to 1,200 GPM well, 6 MGD booster pumps, electrical building, emergency generator, associated electrical and instrumentation systems, and civil site improvements.

Industrial Tank No. 13 and Pump Station, City of Modesto, Modesto, CA

Construction Manager. This project consisted of a 12 MGD water booster pumping station; a 4 million gallon pre-stressed concrete water storage reservoir; a building for the pump station, generator, and controls; a 1 million gallon retention basin; and site piping and improvements.

SR 99/219 (Kiernan Avenue) Interchange – Bridge and Pumping Plant Replacement, Stanislaus County, Salida, CA

Construction Manager. Stephen provided a constructability review and construction management services for this freeway widening, interchange improvement, bridge replacement, and storm water pumping plant replacement project. The improvements will reconstruct the SR 99/SR 219 (Kiernan Avenue) interchange, add four additional travel lanes to SR 219 (Kiernan Avenue) within the project limits, and modify the existing interchange on- and off-ramps to and from SR 99.

Dane Forsberg, P.E.

Electrical Inspector

Dane is an electrical engineer and ICC commercial electrical inspector with experience designing electric power and control systems for water and wastewater treatment plants, solar photovoltaic, and energy storage facilities.

The systems he has designed include motor control centers, variable frequency drives, transformers, switchgear, and inverters. Dane has designed instrumentation and control (I&C) systems including wired and wireless networking hardware, PLCs, field instruments, SCADA, and fiber-optic communication.

Pleasant Grove WWTP Expansion and Energy Recovery Projects, City of Roseville, Roseville, CA

Lead Electrical Inspector/Engineer. These are design-assist projects that include the construction of new primary clarifiers, solids thickening, anaerobic digesters and control building, digested sludge, centrate storage tank conversions, new biogas upgrading system, high strength waste (HSW) receiving station, HSW storage, energy recovery building, and compressed natural gas (CNG) fueling facility.

Dane provided all on site electrical inspections for both projects and coordinated all process shutdowns with the City and the Contractor.

Influent Pump Station Electrical Improvements, Central Contra Costa Sanitary District, Martinez, CA

Project Electrical Engineer. This design project included the replacement of the influent pump station's motor control centers (MCCs), remote I/O panels, and variable frequency drives for three 400 HP and three 600 HP pumps. The new equipment was specified with network control using Modbus TCP protocol which allowed for a large portion of the hardwired I/O to be permanently demolished. The construction sequence for the project also had to be carefully planned to maintain continuous pumping capacity year-round.

Dane developed the drawing package which included the single line diagrams, MCC elevations, motor control schematics, power and control plans, communication diagrams, loop diagrams for the demolition, modification, and replacement of the electrical equipment. This included the diagrams for the vibration and temperature monitoring for the influent pumps. He also provided engineering services during the project's construction including reviewing equipment submittals, responding to RFIs, and developing design clarification memos.

ASSIGNMENT Electrical Inspector

EDUCATION
BS, Mechanical Engineering,
California Polytechnic State
University, San Luis Obispo,
2009

REGISTRATION
Engineer (Electrical), No.
E23627, CA

YEARS OF EXPERIENCE
16

JOINED FIRM
2019

CERTIFICATION/TRAINING
Commercial Electrical Inspector,
International Code Council (ICC),
No.9752135, 2020

SUBJECT MATTER SPECIALTIES
Electrical (General Electrical,
Electrical Dist. Systems Design -
LV)

RELEVANT EXPERIENCE

- Electrical Power and Control Systems
- PV Power Generation
- Battery Storage
- Wired and Wireless Networks
- Process Instrumentation
- Site Commissioning
- Operations & Maintenance (O&M)
- Electrical Inspection

Palo Alto Regional Water Quality Control Plant: Secondary Treatment Upgrades, City of Palo Alto, Palo Alto, CA

Project Electrical Engineer. This project included a rehabilitation of the plant's secondary treatment process area which included the aeration tanks, air blower and distribution system, waste and return activated sludge systems, and primary effluent lift station. The electrical distribution system was also expanded by the addition of new low-voltage substation with low-voltage switchgear close-coupled to a medium-voltage transformer. Three new motor control centers were added in different areas of the plant to feed power to the new process equipment loads. The existing standby generator was also demolished and replaced with new tier 4 complaint diesel generator.

Dane developed the single line diagrams, control schematics, and electrical plans and conduit schedules for the new switchgear, and motor control centers which feed the new process pumps and equipment at the secondary treatment area. He is currently providing engineering services during the project's construction including reviewing equipment submittals, responding to RFIs, and developing design clarification memos.

San Pablo Reservoir Hypolimnetic Oxygenation System Design, East Bay Municipal Utility District (EBMUD), San Pablo, CA

Project Electrical Engineer. This project included the design and construction of a new hypolimnetic oxygenation system to improve the taste and odor the water in the San Pablo Reservoir. A new liquid oxygen tank was installation at the top of the dam along with a pair of vaporizers. The vaporized oxygen was piped down to the bottom of the reservoir to a speece cone skid where a submersible pump circulates water through the cone where it is thoroughly mixed before being discharged back into the reservoir bottom. The remotely automated system was integrated into EBMUD's Distributed Control System and monitored remotely by operators at the El Sobrante Water Treatment Plant.

Dane designed the electrical and instrumentation and controls and supported the construction of this project. This included developing single line diagrams, motor control schematics, power and control plans, conduit and cable schedules, communication block diagrams, security system diagrams, and loop and interconnection diagrams. He is currently providing engineering services during the project's construction including reviewing equipment submittals, responding to RFIs, and developing design clarification memos.

Wastewater Treatment Plant Bioenergy Generation Project, Fairfield-Suisun Sewer District, Fairfield, CA

Project Electrical Engineer. This project included the design of a new 1.1 MW cogeneration engine and the replacement of the existing biogas upgrade system at the plant. The low voltage switchgear, motor control center (LV), and PLC panel in the cogeneration building will be demolished and replaced. An existing 900 kW cogeneration engine and four 66 kW wind turbines also had to be integrated into the electrical design.

Dane developed the electrical and instrumentation and controls design for this cogeneration project which included single line diagrams, motor control center and switchgear elevations, motor control schematics, power and control plans, lighting and grounding plans, conduit and cable schedules, panelboard schedules, network diagrams, and piping and instrumentation diagrams (P&IDs). He is currently providing engineering services during the project's construction including reviewing equipment submittals, responding to RFIs, and developing design clarification memos.

Influent Pump 5, Regional San, Sacramento, CA

Instrumentation & Controls Engineer. This project includes the design to install a new 1250 HP vertical driven influent pump at the wastewater facility. The pump will be VFD driven and will include a machine health monitoring system for monitoring the pump and motor vibration and temperature.

Dane is leading the instrumentation & controls portion of the project. This includes the development of the pump control panel elevations and wiring schematics, piping & instrumentation diagrams, and communication block diagrams. This also includes the development of specifications for the machine health monitoring and control panel equipment.

Sumps 157 and 160 Alternatives Analysis, City of Sacramento, Sacramento, CA

Project Electrical Engineer. The analysis includes weighing the resiliency, costs, sustainability, O&M, and footprint of the several proposed designs. The City will use the summary report as guidance for the future design development at these critical storm water pump stations.

Dane is part of the team evaluating several options to upgrade the existing sumps 157 and 160 located in Sacramento.

Gavin Lee, PE

Construction Inspector (Pipeline)

Gavin is an experienced engineer with leadership and hands-on experience managing complex construction projects.

Throughout Gavin's career, he has provided high level management and on-site inspection services to a variety of construction projects. He has worked with many contractors and subcontractors and has had proven success managing their compliance with contracts, construction plans and specifications, material testing, SWPPP, state and county regulations, and permits. He has extensive experience with utility installation inside and outside of high traffic roadways where traffic control and pedestrian foot traffic needs to be managed and monitored. He has strong project documentation skills and can review and process submittals, RFI's, progress payments, and change orders.

Pure Water Soquel Conveyance and Water Treatment Project, Soquel Creek Water District, Santa Cruz, CA

Construction Management/Inspection Services. This \$122 million design-build project consists of installing eight miles of 16" and 14" PVC pipeline under various streets between Santa Cruz and Aptos. The conveyance pipeline (\$30 million) carries treated water from the existing Santa Cruz Wastewater Treatment Facility to the new (under construction) Chanticleer Water Purification Center (\$92 million). The purified water from the Water Purification Center will be conveyed to three Seawater Intrusion Prevention Wells, where it will recharge the ground water basin.

Gavin was responsible for daily inspections of pipeline and appurtenance installation, verifying conformance with project documents and manufactures installation requirements, as well as provide daily documentation and monitor traffic control in the public right of way. He also served as Assistant CM assisting in document controls, progress payments and change orders.

WWTF Thickener No. 2 Rehabilitation Project, City of Santa Cruz, Santa Cruz, CA

Inspection Services. This \$1.6 million dollar rehabilitation project that involved the replacement and modification of existing facilities within the gravity sludge thickening process. This project involved removing and replacing the thickeners interior mechanical devices, refurbishing and coating the existing concrete, replacement of existing pumps and piping, and the installation of upgraded electrical equipment, controls, and programming.

Gavin provided inspection services throughout construction and oversaw all construction activities. He performed civil, mechanical, and electrical field inspections, and prepared inspection reports.

ASSIGNMENT
Construction Inspector

EDUCATION
BS, Mechanical Engineering,
University of Maine, 2015

YEARS OF EXPERIENCE
13

JOINED FIRM
2022

CERTIFICATION/TRAINING
PMP, Project Management
Institute, No.3705520, 2023

FE Mechanical Exam, New
Hampshire P.E. Board, 2018

HAZWOPER 40-Hour
Certification, OSHA, 2022

Work Zone, Confined Space, and
Construction Site Safety and
Safety Policies and Procedures
Safety Trainings, Wright-Pierce,
2020

Local Public Agency (LPA)
Certification for Labor
Compliance, 2017

Occupational Safety and Health
Administration (OSHA) 10-Hour
Construction Training, Red
Vector, 2017

RELEVANT EXPERIENCE

- Engineering Services
- Construction Management
- Mechanical/Civil Inspection
- Concrete Form and Placement Management
- Survey Control
- Constructability Reviews
- Transportation, Water, and Wastewater Construction
- Paving and Civil Improvements
- Supervision of Inspectors

Sheila Tank Replacement and PRV Improvements Project, North Coast County Water District, Pacifica, CA

Construction Management/Inspection Services. BC provided design and construction management services for this \$5.9 million dollar project. This project includes the installation of a 600,000-gallon prestressed concrete tank, tank utility connections, on site pipelines, valve vaults, concrete block retaining walls, and the installation of accompanying electrical work. In addition to tank construction and site work, two pressure reducing valve stations will be installed on pipelines outside of the tank project site.

Gavin provides full-service construction management and inspection services throughout construction and is responsible for overseeing all construction activities. He is responsible for running weekly progress meetings, processing submittals and RFIs, reviewing progress payments, writing inspection reports, and change management. Gavin successfully facilitates communication between all parties and keeps the project on task.

Westlake Pump Station GSR Modifications, City of Daly City, Daly City, CA

Construction Management/Inspection Services. BC provided design and construction management services for this \$3.6 million GSR upgrade project that involved interior and exterior upgrades to the facility. Upgrades included the installation of new exterior cast in place valve vaults, yard piping, paving, and concrete placement. Interior upgrades included the installation of new chemical containment rooms, chemical injection systems, a reverse osmosis system, interior electrical, and control systems.

Gavin provided full-service construction management and inspection services throughout construction and oversaw all construction activities. He performed civil, mechanical, and electrical field inspections, and prepared inspection reports. Gavin was responsible for running weekly progress meetings, processing submittals and RFIs, reviewed progress payments, and change management.

Lebanon Sewer Separation Contract 12, City of Lebanon, Lebanon, NH

Resident Project Representative. The \$4.3 million combined sewer overflow (CSO) project involved water main, sewer main, and storm drain replacement and full-depth road, sidewalk, curbing, and retaining wall construction along seven city streets in a densely populated residential neighborhood, including a cross-country section.

Gavin's daily responsibilities included installation observation for sewer, water and storm drain piping, manholes, cleanouts, curb stops, sidewalk, curbing, road base gravels, paving, striping, and surface restoration. Related responsibilities included monitoring hydrostatic pressure, leakage testing, and chlorination of water main systems; coordinating water main sampling, laboratory paperwork, and testing; final sewer testing; attending weekly and monthly project meetings; and performing Davis-Bacon wage rate interviews.

Lebanon Sewer Separation Contract 11: Phase I, City of Lebanon, Lebanon, NH

Resident Project Representative. The \$1.6 million combined sewer overflow (CSO) project involved water main, sewer main, and storm drain replacement and full-depth road, sidewalk, curbing, and retaining wall construction along multiple city streets in a densely populated residential neighborhood.

Gavin's daily responsibilities included installation observation for sewer, water and storm drain piping, manholes, cleanouts, curb stops, sidewalk, curbing, paving, striping, signs, and surface restoration. Related responsibilities included attendance at project meetings; monitoring hydrostatic pressure, leakage testing, and chlorination of water main systems; coordinating with DPW in water main sampling, laboratory paperwork, and testing; final sewer testing; reviewing pay requisitions; performing Davis-Bacon wage rate interviews; completing final measurement; and developing and monitoring a punch list until final completion.

Lebanon Sewer Separation Contract 11: Phase II, City of Lebanon, Lebanon, NH

Resident Project Representative. The \$18.4 million combined sewer overflow (CSO) project involved water main, sewer main and storm drain replacement and full-depth road, sidewalk, curbing, and retaining wall construction along 15 city streets in a densely populated residential neighborhood.

Gavin's daily responsibilities included installation observation for sewer, water and storm drain piping, manholes, cleanouts, curb stops, sidewalk, curbing, road base gravels, paving, striping, and surface restoration. Related responsibilities include monitoring hydrostatic pressure, leakage testing, and chlorination of water main systems; coordinating with DPW in water main sampling, laboratory paperwork, and testing; final sewer testing, attending weekly and monthly project meetings; and performing Davis-Bacon wage rate interviews.

Tony Knapp, P.E.

Construction Inspector (Pump Stations)

Tony is a construction inspector with experience in the construction and design of water and wastewater facilities.

He has extensive field and inspection experience at various water and wastewater facilities in California and Texas.

Pure Water Soquel, Soquel Creek Water District, Santa Cruz, CA

Construction Inspector. This is a \$122 million groundwater replenishment and seawater intrusion prevention project. The project included a new advanced treatment facility and approximately 9 miles of 14" to 18" PVC conveyance pipe. The treatment plant work includes new microfiltration, reverse osmosis and ultraviolet (UV) light facilities.

Tony performed underground pipeline inspection services for this construction project. The work was located on highly congested roadways and at the treatment plant. He worked closely with the client and contractor to assure that the pipeline installation complied with the project specifications and the manufacturer's installation requirements. (2023-2024)

Pleasant Grove WWTP Energy Recovery Project, City of Roseville, Roseville, CA

Construction Manager/Lead Inspector. This \$24 million project involved the construction of a high strength waste receiving station, an energy recovery building with microturbines, a biogas conditioning system and a compressed natural gas fueling facility. The project included the installation of water, sewer, natural gas and chemical piping above and below ground.

Tony was the CM and lead inspector for this energy recovery construction project. He provided daily on-site inspection for the concrete, civil, electrical and mechanical work. He was responsible for reviewing and approving the Contractor schedule, pay requests and change orders. Tony worked closely with the City staff to ensure that equipment met their operation and maintenance concerns. (2019-2023)

Pleasant Grove WWTP Expansion Project, City of Roseville, Roseville, CA

Construction Manager/Inspector. The Project involved the construction of primary clarifiers, solids thickening, anaerobic digester tanks, a ferric chloride facility and sludge storage tanks.

Tony provided CM and inspection services for this \$59 million wastewater treatment plant expansion. He performed concrete, mechanical and electrical inspections for this project. He worked with the engineer of record and city staff to resolve construction issues in the field.

ASSIGNMENT

Construction Inspector

EDUCATION

MS, Civil Engineering, University of California at Davis, 2007

BS, Civil Engineering, University of California at Davis, 1998

REGISTRATION

Engineer (Civil), No. 68525, CA

YEARS OF EXPERIENCE

22

JOINED FIRM

2018

CERTIFICATION/TRAINING

OSHA 30-Hour Construction Safety, OSHA, No.34-602078316, 2019

RELEVANT EXPERIENCE

- Inspection and Construction Administration for Water and Wastewater
- Inspection of Mechanical, Civil, and Electrical Construction Work

Dry Creek Cogeneration, City of Roseville, Roseville, CA

Construction Inspector. BC is designing a cogeneration facility for the City of Roseville's Dry Creek WWTP. BC helped secure more than \$600,000 from the California Self-Generation Incentive Program for the City's design. The new cogeneration facility will include one high-efficiency, lean burn internal combustion engine with associated heat recovery equipment, a biogas conditioning system to remove hydrogen sulfide, siloxane and moisture, and a pipe rack to support biogas and hot water pipes above ground due to congested site yard piping. The engine will be fueled by treated digester gas from the digestion wastewater treatment process. BC is providing design, air permitting, and construction management services, as well as monitoring grant requirements.

As the Construction Inspector, Tony monitors the daily construction activities to ensure quality workmanship and overall compliance with the contract documents. He works with the contractor, the City staff and BC engineers to resolve issues arising in the field. He communicates often with City staff and the Contractor to assure that the work proceeds as expected.

Flocculation/Sedimentation Basin Project, San Juan Water District, Granite Bay, CA

Project Engineer. This \$7 million contract involved replacing the flocculation and sludge collector system at a 120 million gallon per day water plant.

Tony's tasks included laying out the concrete structures, overseeing installation of mechanical equipment and preparing shop drawing submittals.

Aeration System Replacement, Terminal Island Water Reclamation Plant, City of Los Angeles, CA

Project Engineer. This \$12 million contract entailed demolition and replacement of the blowers and diffuser assembly for the City's activated sludge basins.

Tony's major responsibilities included preparing shop drawing submittals, coordinating equipment fabrication, and collaborating with the electrical and controls subcontractors.

Deep Filter Modification Project, Village Creek Water Reclamation Plant, Fort Worth, TX

Project Engineer. An Emerson Ovation control system was installed and programmed for this one million dollar subcontract.

Tony oversaw the installation of a distributed control system for the filter gallery at this 160 million gallon per day treatment plant.

Ultraviolet Pilot Project, Trinity River Authority, Dallas, TX

Project Engineer. The project diverted 28 million gallons per day of secondary wastewater at the treatment plant to six treatment systems. He also managed nine separate subcontractors for this project.

Tony oversaw the construction and startup of a pilot ultraviolet treatment project. (2013)

Integrated Pipeline Project, Tarrant Regional Water District, Fort Worth, TX

Project Engineer. The yard pipe design included the layout of welded steel pipe, gate valves and butterfly valves ranging in size from 84 to 114 inches diameter. Tony's major responsibilities included the design of the yard piping and valve vaults for this 350 million gallon per day pump station.

Southern Regional Tertiary Treatment Plant, Marine Corps Base Camp Pendleton, San Diego County, CA

Project Engineer. Tony designed and sized the pumps for the influent, filter feed and drainage pump stations.

Wastewater Treatment Plant Repairs and Upgrade, Navy Facilities Engineering Command, Apra Harbor, Guam

Project Engineer. Tony designed and sized a dissolved air flotation thickener and polymer feed system for this wastewater plant.

Casey Kirk, CCM, ICC

Construction Inspector (Trenchless)

Casey has construction management and inspection experience on environmental projects, specializing in constructing water and wastewater treatment facilities, pumping facilities, storage facilities, conveyance systems, and startup & testing.

Casey specializes in work throughout California, Arizona and Hawaii. His background allows him to excel in a variety of positions on projects. His experience as an inspector strengthens his skills as a Construction Manager and vice versa. Casey has overseen challenging trenchless pipeline installations under railroad crossings, bodies of water and through busy intersections. His understanding of the various trenchless methods helps ensure successful set-ups and traffic control plans, helps minimize risks and issues during drilling, and helps ensure alignment and grade compliance of the final pipeline.

Water Distribution System Improvements, City of Roseville, City of Roseville, California

Construction Manager. Construction management and inspection services for three distribution system improvements. (1) Jack and bore under Cirby Creek. (2) Pipe suspended on Douglas Blvd bridge across Dry Creek. (3) Open cut in the Hillcrest neighborhood. Improvements will allow City to abandon 3 shallow pipes that cross HWY 80.

Casey was Construction Manager and lead inspector, conducted project meetings, field coordination, correspondence, change orders, submittal & RFI review, startup & testing and daily on-site inspection.

Arden Parallel Force Main, County of Sacramento, Sacramento, CA

Inspector. Project included installation of new secondary 60-inch diameter pressure force main parallel to the existing 60-inch diameter pressure force main. Installation of 10,400 linear feet of 60 inch diameter pipe, two air release/vacuum valve vaults, two air release man ways, surge control facility with 4 – 60 foot surge tanks and control building, five hot-taps on 60 inch diameter force main and 36 inch bypass piping at one location, an 48 inch bypass, four access manways, two open cut crossings of the U.S. Army Corps of Engineer's American River Levee, two 72 inch micro tunnel crossings of the American River, and three excavated tunneling service shafts.

Fruitridge Center Sewage Pumping Station, Power Inn Sewage PS, and Fruitridge Road Pipeline, Sacramento Regional County Sanitation District (Regional San), Sacramento, CA

Inspector. Project involves over 32,000 linear feet of gravity and interceptor sewer pipeline ranging in size from 8 inches to 54 inches in diameter, 186 manholes, 22,000 linear feet of force mains ranging in size from 24 to 30 inches in diameter, four railroad crossings, catholic protection system, water line relocations, and service connections.

ASSIGNMENT

Construction Inspector

YEARS OF EXPERIENCE

30

JOINED FIRM

2021

CERTIFICATION/TRAINING

Certified Construction Manager, Construction Management Association of America, No.29337, 2022

Confined Space Training, 2022

First Aid Training, 2024

CPR Training, 2024

NACE CIP Level 1 - Basic Coatings Inspector, AMPP - The Association for Materials Protection and Performance, No.14222, 2007

ICC Master of Special Inspection, International Code Council, No.5111146, 2022

ICC Structural Welding Special Inspector, International Code Council, No.5111146, 2002

ICC Structural Steel and Bolting Special Inspector, International Code Council, No.5111146, 2002

ICC Structural Masonry Special Inspector, International Code Council, No.5111146, 2013

ICC Reinforced Concrete Special Inspector, International Code Council, No.5111146, 2013

ACI Concrete Field Testing Technician - Grade 1, ACI - American Concrete Institute, No.20514, 1999

30-Hour OSHA, 2023

RELEVANT EXPERIENCE

- Construction Management
- Inspection
- Water and Wastewater Treatment Facilities
- Pump Stations
- Storm Drains
- Potable Water Storage Facilities
- Water Storage Tanks

Casey was inspector for two separate construction projects, which includes two new sewage pumping stations and gravity and force main sewer pipelines.

Suburban Rose Pipeline, California American Water, Sacramento, CA

Lead Inspector. This project consisted of the installation of a water pipeline ranging from 8 inch to 24 inch. The pipeline was excavated by open trench and three tunnel crossings of a freight railroad track, as well as two light rail tracks with casing sizes 36 inches to 42 inches.

Export Pipeline Segment 1 and Mill Creek Diversion Construction Dam Services, Incline Village General Improvement District, Incline Village, NV

Construction Services. Project included replacement of 3 - mile segment of wastewater effluent pipeline Segment 1 while existing pipeline remained in service. Also, installation of Mill Creek Diversion Dam and pipeline to divert creek around emergence storage bason at treatment wastewater plant.

Pleasant Grove WWTP Expansion and Energy Recovery Projects, City of Roseville, Roseville, CA

Construction Manager/Lead Inspector (Expansion Project)/Inspector (Energy Recovery Project). These are design-assist projects that include the construction of new primary clarifiers, solids thickening, an anaerobic digesters and control building, digested sludge, centrate storage tank conversions, a new biogas upgrading system, a high strength waste (HSW) receiving station, HSW storage, an energy recovery building, and a compressed natural gas (CNG) fueling facility.

Casey was Construction Manager and lead inspector, conducted project meetings, field coordination, correspondence, change orders, submittal & RFI review, startup & testing and daily on-site inspection.

Wastewater Treatment Plant Expansion, City of Davis, Davis, CA

Lead Inspector/Assistant Construction Manager. Owners Representative/Quality Assurance for Design Build project building new secondary and tertiary treatment facilities at their existing primary treatment plant, while maintaining functionality of existing plant operations. New or modified facilities included aeration basins, secondary clarifiers, disk filters, chlorine contact basin, rotating drum thickeners, screw presses, new 12kv service, SCADA upgrade, standby generators, several pump stations, existing digester upgrades, new multi fuel boilers, levee around new treatment plant, existing pond modifications and pond sludge drying, removal and off haul.

Wastewater Treatment Plant Expansion, City of Hughson, Hughson, CA

Lead Inspector. The project consisted of a new wastewater treatment plant within the site of the existing operating treatment plant, while maintaining functionality. The new treatment facility employs a headworks facility, including screening, an oxidation ditch, two secondary clarifiers, solids thickening gravity belt thickener, operations building improvements, new electrical service, and SCADA improvements. The work also includes demolition of various existing facilities. Proper construction sequencing is required to allow new facilities to be phased into operation so existing facilities can be taken out of service.

Water Treatment Plant Expansion, Modesto Irrigation District, Modesto, CA

Lead Inspector/Assistant Construction Manager. The project consisted of a new water treatment plant on the site of the existing operating treatment plant, while maintaining functionality. The new treatment facility employs membrane filtration building, ozone generation with ozone contactor basin, and DAF waste recovery system. The work also includes demolition of various new constructed facilities and rebuild. Proper construction sequencing is required to allow new facilities to be phased into operation to work with existing facilities.

Wastewater Treatment Plant, Novato Sanitary District, Novato, CA

Lead Inspector. Project consists of expansion of existing wastewater treatment plant while maintaining functionality of existing plant operations. The new treatment facility employs a conventional activated sludge process. The headworks facilities include screening and grit removal, primary clarification, aeration, and secondary clarifiers. The work also includes demolition of various existing facilities. Proper construction sequencing is required to allow new facilities to be phased into operation so existing facilities can be taken out of service and demolished to make room for other new processes.

Rick Sasser

Construction Inspector (Pump Stations)

Rick's construction background enhances his abilities as a construction inspector.

Rick has significant experience providing construction and inspection services. He specializes in inspecting water and wastewater treatment facilities, storm water and potable water pump stations, water storage tanks, water control structures, prefabricated metal buildings, commercial remodels, and new construction. Rick's expertise includes supervising projects, including organizing and managing project materials and manpower, being well versed on overall project plans and specifications, maintaining a safe working environment on job sites, and coordinating and overseeing concrete form construction, concrete placement, and various types and sizes of pipe and equipment installation.

Wastewater Treatment Plant Expansion and Energy Recovery Projects, City of Roseville, Roseville, CA

Construction Inspector. Both projects (totaling \$80 million) are being run under the design-assist delivery method and include construction of new primary clarifiers, solids thickening, anaerobic digesters, a control building, digested sludge, centrate storage tank conversions, new biogas upgrading system, HSW receiving station, HSW storage, energy recovery building, and CNG fueling facility.

Rick provided inspection services. He took the lead on the underground construction and yard piping that includes large-diameter HDPE piping.

Coke and Triangle Sewer Lift Station Rehabilitation Project, City of West Sacramento, West Sacramento, CA

Construction Inspector. This project consisted of furnishing and installing new manholes, fiber reinforced plastic wet wells, valve vaults, submersible pumps, bypass piping and pumping, level transducers, control systems, lighting, and backup diesel generators. Work also included demolishing existing infrastructure; reconstructing curb, gutter, and sidewalk; installing equipment for temporary bypassing during construction; and placing new security fencing and gates at both lift stations. BC provided CM and inspection services for the City, including taking over the utility coordination with PG&E and AT&T when their utilities were discovered during construction.

Rick provided construction inspection and oversaw the start-up and commissioning of both facilities.

Downtown Water Mains Replacement - Hillcrest Neighborhood, City of Roseville, Roseville, CA

Construction Inspector. This \$7M design-assist water main replacement project replaced 20,000 feet of eight- and 12-inch water main in the 80-year-old Hillcrest neighborhood. It included replacing more than 350, one- to two-inch service lines and connections to existing meters.

ASSIGNMENT
Construction Inspector

YEARS OF EXPERIENCE
36

JOINED FIRM
2021

CERTIFICATION/TRAINING
30 Hour, OSHA

First Aid & CPR

Concrete Field -Testing
Technician Grade 1, American
Concrete Institute

Confined Space Competent
Person Fall Protection Safety
First Aid & CPR

All Terrain Fork Lift

Fall Protection Safety

Training, Mine Safety and Health
Administration (MSHA)

RELEVANT EXPERIENCE

- Construction Management
- Construction Inspection
- Water and Wastewater Treatment Facilities
- Stormwater and Potable Water Pump Stations
- Water Storage Tanks
- Water Control Structures
- Prefabricated Metal Buildings
- Commercial Remodeling
- New Construction
- Safety
- Concrete Form Construction
- Pipe Installation

Rick provided inspection services. Rick took the lead in the day-to-day public outreach to minimize impacts to residents, businesses, and schools. He also coordinated closely with City operations staff, the contractor's staff, design staff, and utility representatives to locate existing utilities.

Pure Water Soquel Conveyance and Water Treatment Project, Soquel Creek Water District, Santa Cruz, CA

Construction Inspector. This \$122 million design build project consists of installing eight miles of 16" and 14" PVC pipeline under various streets between Santa Cruz and Aptos. The conveyance pipeline (\$30 million) carries treated water from the existing Santa Cruz Wastewater Treatment Facility to the new (under construction) Chanticleer Water Purification Center (\$92 million). The purified water from the Water Purification Center will be conveyed to three Seawater Intrusion Prevention Wells, where it will recharge the ground water basin.

Rick was responsible for daily inspections of pipeline and appurtenance installation, verifying conformance with project documents and manufactures installation requirements, as well as provide daily documentation and monitor traffic control in the public right of way. Inspect and document treatment facility construction activities including pressure testing of various piping systems.

Water Treatment Plant Polymer Improvement Project, City of Folsom, Folsom, CA

Construction Inspector. This \$550,000 project installed new dry polymer feed equipment, polymer mixing and aging tanks, and associated piping, as well as structural, electrical, and control modifications.

Rick was responsible for conducting daily inspections for general conformance with contract documents, documenting the work, collaborating with plant staff to maintain operations, coordinating quality assurance testing, and assisting with start-up and testing.

Del Rio Tank No. 14, Well No. 68 and Pump Station, City of Modesto, Modesto, CA

Construction Inspector. This \$9 million project consisting of a 250,000-gallon potable water storage tank, a 1-mgd pump station, a 1,000 gpm domestic well, and a wellhead treatment facility. The project also included 2,600 feet of 16-inch water line to connect the new facility to the existing distribution system. Close coordination was required with the Department of Utilities – Engineering and Water Operation departments.

Rick was responsible for conducting daily inspections for general conformance with contract documents, providing documentation of the work, coordinating quality assurance testing, and assisting with start-up and testing.

Water Storage Improvement Project, Tulare County, Tulare, CA

Construction Inspector. This \$16 million program constructed three new potable water storage pumping facilities. Each site consists of a 1.5- to 2-million-gallon post tension concrete tank, a 1,000 to 2,000 gpm well, six-mgd booster pumps, an electrical building, emergency generator, associated electrical instrumentation systems, and civil site improvements.

Rick was responsible for daily inspections for general conformance with contract documents, providing documentation of work, collaborating with operations staff, coordinating quality assurance testing, and assisting with start-up and testing.

Industrial Tank No. 13 and Pump Station, City of Modesto, Modesto, CA

Construction Inspector. This \$9.2 million project consisted of a four-million-gallon potable water storage tank and a 12 million gpd booster pumping station. The potable water storage tank was constructed at grade of strand-wound pre-stressed concrete in accordance with AWWA D110, Type 1 specifications. The pump station included four 150-horsepower horizontal split-case pumps. The pumps, piping, and electrical equipment were housed in a 40- by 82-foot concrete masonry building. Additional features included an emergency generator, drainage basin, and site improvements.

Rick was responsible for conducting daily inspections for general conformance with contract documents, documenting the work, collaborating with operations staff, coordinating quality assurance testing, and assisting with start-up and testing.

Resume of **Hank J. Heath**

Education

California State University, Sacramento, Sacramento, CA
Water Treatment Plant Operation, Volume 1 Certificate, 2013

Certifications

Qualified SWPPP Developer/Practitioner	#28463
Certified Erosion and Sediment Storm Water Inspector	#9975

Proficiencies

Microsoft Word, Excel, Power Point, Database systems, Adobe Acrobat

Employment History

Senior Inspector, American River Environmental, June – Present

- Perform site inspections including sampling, visual observation, and report preparation for LUP and Traditional projects, including weekly, quarterly, and storm related inspections as required by the Construction General Permit.
- Work with contractors to determine the most practical and effective BMPs to use and maintain.
- Collect photo documentation for COIs and NOTs.
- Inspection Scheduling

Staff Inspector, BTConsulting, Inc., October 2017 – June 2025

- Perform site inspections including sampling, visual observation, and report preparation for LUP and Traditional projects, including weekly, quarterly, and storm related inspections as required by the Construction General Permit.
- Work with contractors to determine the most practical and effective BMPs to use and maintain.
- Collect photo documentation for COIs and NOTs.
- Assemble spill kits and inventory spill kit supplies.

Bartender, Vanguard July 2014 – October 2017

- Consistently create and meet goals related to sales and time efficiency.
- Solve problems and create an environment that results in customer satisfaction.
- Regularly arrive to work early and eager to assist management.

Bartender/Supervisor, River City Brewing Company December 2013 – March 2015

- Assist in general maintenance of equipment; including small and large machinery.
- Consistently maintain standards while assisting coworkers in a functioning team effort.
- Prepare and finalize finances as well as prepare staff regarding their daily duties.
- Create and maintain excellent relationships with clientele thus making a comfortable atmosphere.

Resume of **John R. Brenner**

Education

American Public University, Internet Based

- Bachelors of Science, Environmental Management, 2012 to Current

Folsom Lake College, Folsom, CA

- Associate of Arts, General Education, 2007

Sacramento City College, Sacramento, CA

- Elementary Surveying, May 2008

Ponderosa High School, Shingle Springs, CA

- Diploma, May 2001

Certifications

Qualified SWPPP Developer/Practitioner

#25335

Certified Professional in Erosion and Sediment Control

#8056

Certified Erosion and Sediment Storm Water Inspector

#3051

Trainer of Record (ToR) authorized by CASQA for QSD and QSP Training

Proficiencies

Adobe Acrobat, AutoCAD, Carlson Civil Suite, Excel, Word, Power Point, SMARTS, and SWIM

Employment History

President, American River Environmental, January 2025 – Present

- Conduct day-to-day business activities including client and agency coordination, scheduling, accounting, human relations, and general company operations.
- Train, schedule, and manage employees.
- Manage Sacramento and foothill area projects for SWPPP development and inspections.

Manager of Field/Inspection Personnel, BTConsulting, Inc., August 2010 – June 2025

- Coordinate day-to-day business activities including client and agency coordination, scheduling, information technology, and general company operations.
- Employee coordination, management, and training.
- Schedule and manage field crews, including Bay Area, Sacramento, and foothill areas.
- Prepare SWPPPs, WPCPs, Erosion and Sediment Control Drawings, and other related documents.
- Develop and maintain CAD standards.
- Present tailgate training and represent BTC at project pre-construction meetings.
- Manage SMARTS uploads and QA/QC for documents ready to be uploaded to the State.

Correctional Officer, State of Nevada, November 2010 – January 2012

- Monitor correctional facilities and ensure order and security through strict monitoring of inmate activities.
- Search prisons and other facilities for banned material, fire and safety hazards, and unsanitary conditions.
- Record daily activities, disturbances, and illegal activities.

QSD/QSP Services

(Qualified Storm Water Pollution Prevention Plan Developer and Practitioner Services)



MONTHLY REPORT EXAMPLE



May 20, 2026



ICM

7040 Settlers Trail
Shingle Springs, CA 95682
(530) 683-4038
www.icmgroupusa.com

**PROJECT STATUS REPORT
FOR THE MONTH OF
JANUARY 2026**

**EL DORADO IRRIGATION DISTRICT
SLY PARK INTERTIE IMPROVEMENTS PROJECT**



Landing Power Cables to Pump Motors



Installing Pipe Supports inside Pump Station



Installing 24" Butterfly Valve at Station 335+98



Cathodic Protection Wrap of Valves at Canchulagua

ICM

February 26, 2026

CONTRACTOR PROGRESS SUMMARY

I. Mozingo Construction Activities Completed

In the month of January, Mozingo performed the following activities:

- Completed installation of the pump station roof
- Continued installing electrical wires in and around the pump station
- Installed PG&E transformer at pump Station
- Installed control panel in pump station
- Completed most of site grading, preparing to place concrete slabs around pump station.
- Installed Trench Dams North of Canchalagua
- Excavated from Station 321+68 to 336+20
- Installed Pipes 389 to 430
- SWPPP and BMPs maintained
- Transmitted 3 submittals; of which 1 was a re-submittal.
- Submitted 6 RFIs.

II. Project Budget

The Project Budget Summary Table is presented below. Actual Payments to the Contractor and Retention to Date are based on pay estimates prepared by Mozingo. Mozingo has had nine progress payments as of the end of January 2026.

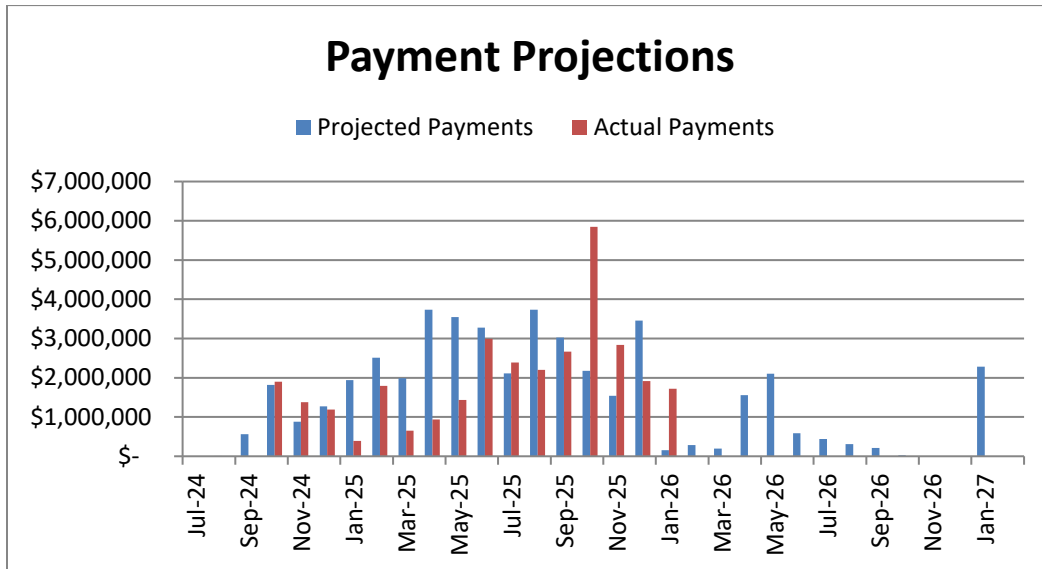
Project Budget Summary Table	
Original Budget	\$45,680,000.00
Executed Change Orders	\$1,700,224.22
Current Budget	\$47,309,221.97
Pending Change Orders	\$22,222.38
Potential Change Orders	\$355,447
Budget Projection	\$47,757,893.60
Actual Contractor Payments to Date	\$34,027,481.66
Retention to Date	\$1,701,374.08

Change Order Details Table	
Executed Change Orders	\$1,700,224.22
CO1 CPR01 Pine Tree Lane Road Base	\$43,812.40
CO2 CPR05 Added Potholes	\$22,783.20
CO3 CPR04 Fac 20 Tree Removal	\$786,033.30
CO4 CPR11 Breaker and Conduit Changes	\$10,659.60
CO5 CPR14 Concrete Demo for RWMH1	\$19,822.95
CO6 CPR10 Reservoir A Electrical Room Waterproofing	\$17,108.70
CO7 CPR12 Northwest Pipeline Reset Reach 2	\$20,569.20
CO8 CPR30 UFCA	\$10,827.24
CO9 CPR16 Ice House Piping Replacement	\$127,039.86

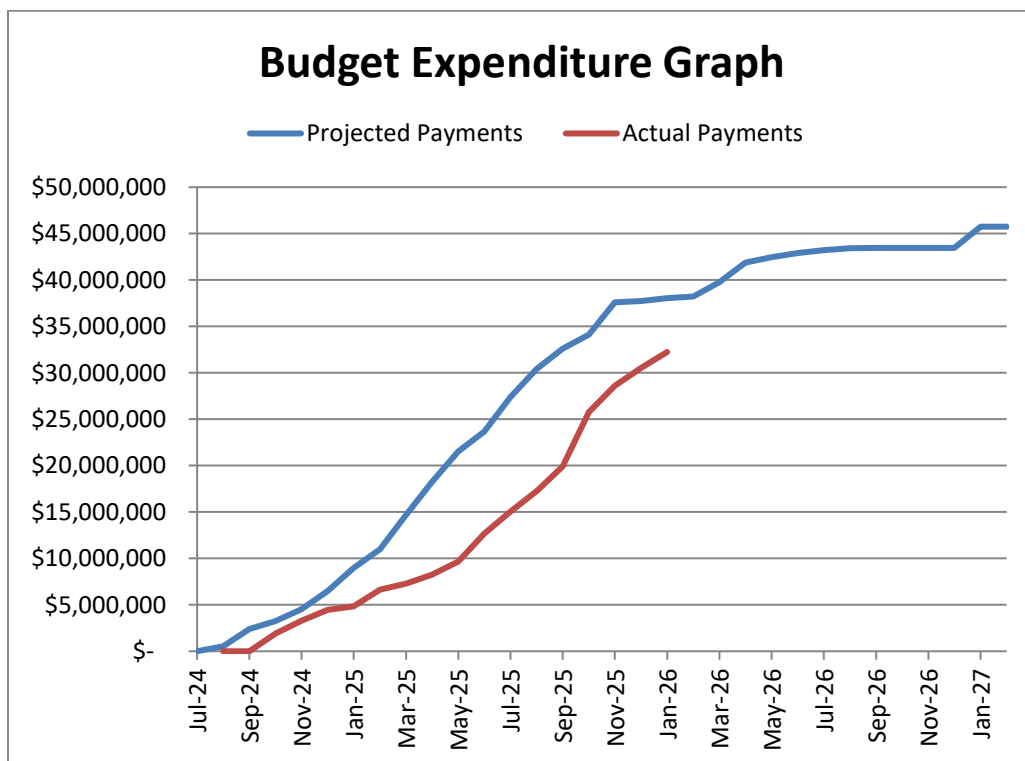
CO10 CPR15 Deletion of UPS	(\$8,038.80)
CO11 CPR19 NWP Redesign	\$37,800.00
CO12 CPR23 Fuel Tank Power Cables	\$16,980.60
CO13 CPR26 VFD Harmonic Filters	\$16,002.00
CO14 CPR18 Ice House Concrete Plug Removal	\$51,356.55
CO15 CPR22 CC POM Bypass Valves	\$81,679.50
CO16 CPR21 Fire Hydrant 8in Gate Valve	\$5,347.97
CO17 CPR29 Admin Bldg Water Service	\$7,205.33
CO18 CPR38 NWP Expedite Fab Delivery	\$99,900.00
CO19 CPR28 14in SPH Butterfly Valve	\$7,814.48
CO20 CPR36 Ice House Pipe Coating	\$42,933.45
CO21 CPR31 POM RCP to Steel Pipe Transition	\$72,349.20
CO22 CPR2 Clear Creek Flow Meter Valve Control	\$94,781.40
CO23 CPR27 Flowmeter Tariff	\$3,977.78
CO24 CPR24 VFD Wire Changes	\$8,642.55
CO25 CPR30 Flow Meter Vault Floor Elevation Change	\$35,811.30
CO26 CPR06 Fiber Optic Terminations	\$21,855.23
CO27 CPR46 Clear Creek Restoration	\$29,796.18
CO28 CPR37 Extended Slab for ATS	\$5,214.30
CO29 CPR47 DI Extension	\$10,158.75
CPR40 10 to 15 OIT Programming	\$0
CPR34 Integration Hours Part 1	\$0
Pending Change Orders	\$22,222.38
CPR13 Ridgeway Pothole	\$9,517.79
CPR25 VFD Digital Inputs	\$3,850.94
CPR35 Weldolet and Valve	\$1,152.90
CPR51 PIT 40 02	\$4,153.56
CPR53 Dewatering	\$3,547.19
Potential Change Orders	Estimated at \$355,447
CPR08 Fac 40 Tree Removal	\$0
CPR17 County Trench Details	\$25,000
CPR32 Slalom Gate	\$7,500
CPR33 Chlorine Retention Pipeline	\$75,000
CPR39 2inch to Drying Beds	\$35,000
CPR41 Dry Creek Pipe Concrete	\$10,000
CPR42 Vault Demo	\$10,000
CPR43 Boulders	\$2,500
CPR44 Integration Hours Refresh Line	\$0
CPR48 POM Installl	\$20,000
CPR49 Eyewash Station	\$40,000
CPR50 Fiber Extension	\$90,000
CPR52 Rock Area Extension	\$7,500
CPR54 Conduit Types	\$8,447
CPR55 Bollards	\$5,000
CPR56 Gates	\$12,000
Extra Concrete at Starkes Grade/Creek	\$7,500
Paving Changes Starkes Grade	\$0

The Payment Projections and Budget Expenditure Diagrams are below. Projected values are estimates based on the contractor's Schedule of Values and Cost Loaded Baseline Schedule. Actual Payments are based on approved monthly progress payments.

Payment Projections. This chart provides a visual representation of monthly cash flow from the El Dorado Irrigation District to Mozingo.



Budget Expenditure Graph. This chart provides a visual representation of cumulative monthly cash flow from the El Dorado Irrigation District to Mozingo.



Schedule/Schedule Impacts

Based on Mozingo's November 2026 schedule update, the Interim Milestone is scheduled to be completed significantly late, shown as September 22, 2026. The pump station is scheduled to be on-line by February 28, 2026. However, the pipeline is running late which can be traced back to the earlier project delays that are telegraphing through the schedule. The pump station cannot be started until the 24 inch Facility 10 pipeline is disinfected and accepted by the District. The Interim Milestone is expected to be completed in March or April but possibly to take until September 22, 2026 and is weather dependent.

Currently, winter weather is delaying the pipeline installation portion of the project because the earthwork equipment cannot work on the slick and steep soils in wet weather. However, with a number of dry and sunny days, the contractor is able to continue construction, thus the entire winter season will not be lost and some productive work will continue. The less rain means the closer the pipeline will be ready around the February 28, 2026 milestone.

Schedule Summary Table		
Activity	Contractual Dates	Contractor Schedule
Notice to Proceed	July 24, 2024	July 24, 2024
Interim Milestone	February 28, 2026	September 22, 2026
Substantial Completion	December 30, 2026	January 21, 2027
Final Completion	February 3, 2027	February 3, 2027

CONSTRUCTION MANAGEMENT TEAM PROGRESS SUMMARY

I. CM Activities Completed

During the month of January, ICM performed the following activities:

- Conducted 3 weekly progress meetings.
- Conducted 1 startup meeting.
- Assisted at fourth SCADA Workshop meeting.
- Coordinated activities on a regular basis with Mozingo and W. M. Lyles
- Inspected pump station concrete placements, backfill and other work.
- Inspected pump station electrical work.
- Inspected pump station mechanical work.
- Inspected pipeline installation and the installation of appurtenances such as air release valves, blow offs, and trench dams.
- Youngdahl conducted concrete and soil testing, welding inspections.

II. CM Project Budget

At the end of January, approximately 59% of the construction management and inspection budget has been expended over 60% of time to the original Final Completion date.

ICM has performed the following additional scope items:

1. The District approved added scope for ICM to assist with full Procore administrative duties. We are billing for this work but these costs were not included in our proposal budget.
2. The District approved added scope for ICM to increase our scope of land surveying services to address field issues. We are billing for this work but these costs were not included in our proposal budget.
3. The District approved added scope for ICM to assist with public relations and interfacing with homeowners. We are billing for this work but these costs were not included in our proposal budget.

DESIGN TEAM PROGRESS SUMMARY

I. Water Works Engineering Activities Completed

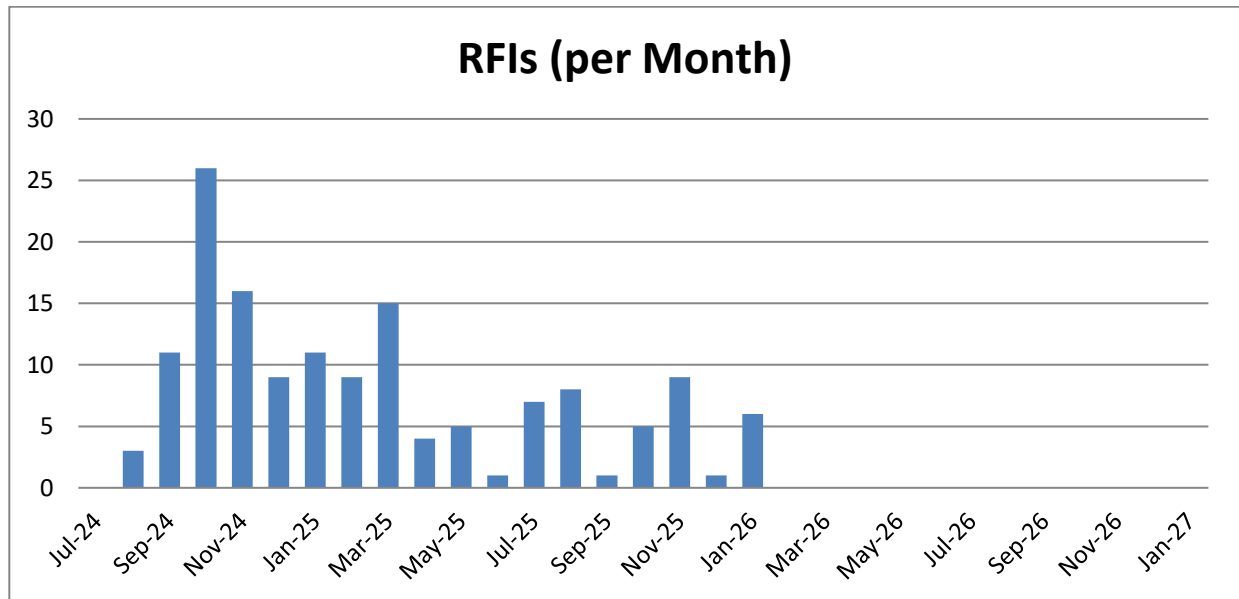
In the month of January, Water Works performed the following activities:

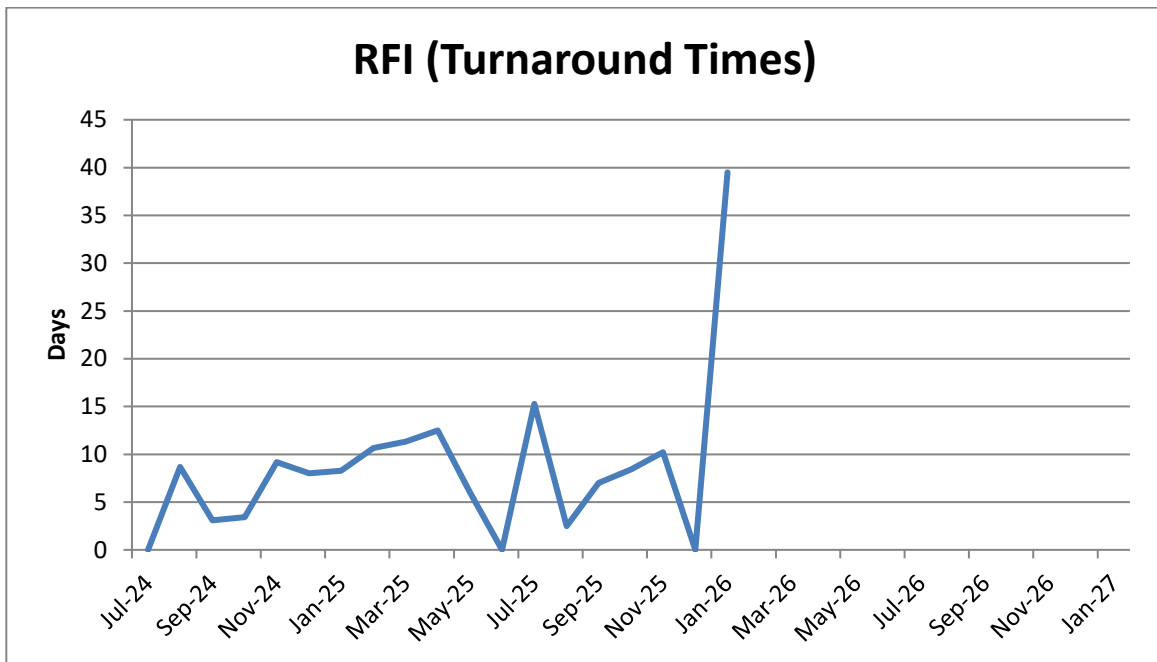
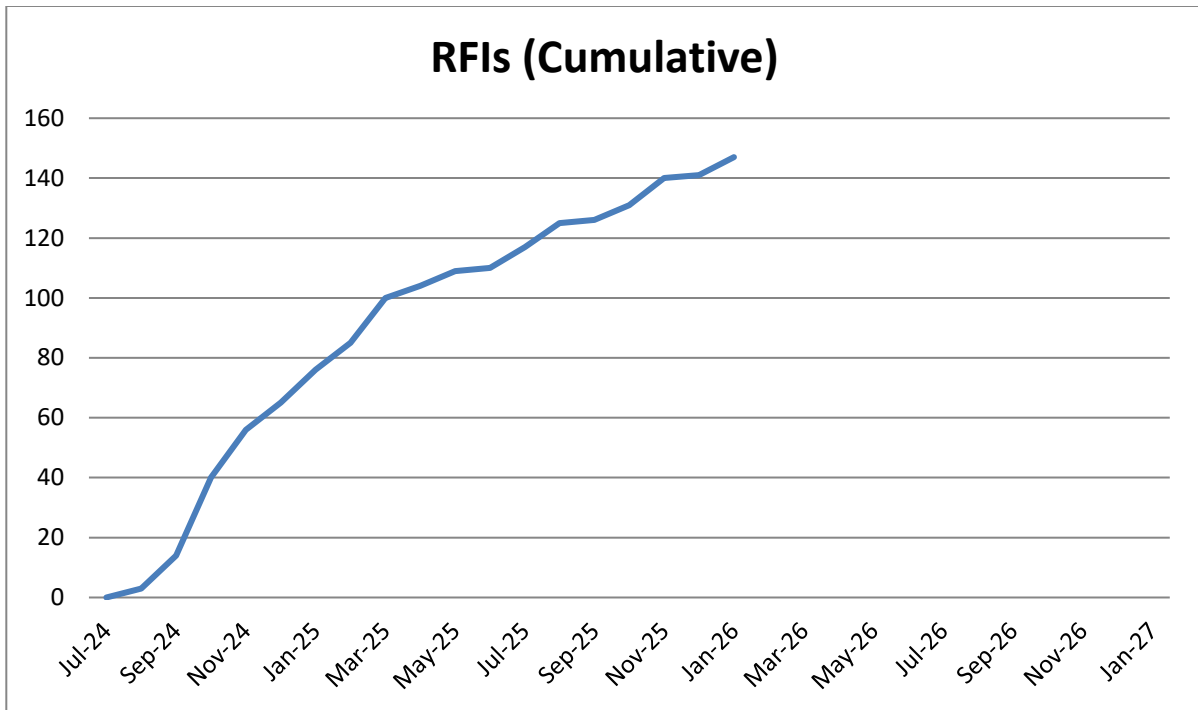
- 6 RFIs were reviewed this month.
- 3 submittals were reviewed this month.
- Assisted with change order reviews.
- Attended three weekly meetings.

II. Request For Information

As of the end of January, there have been 147 RFIs. Based on the RFI count through the end of January and projecting to the end of January 2027, the number of RFIs is anticipated to be 253.

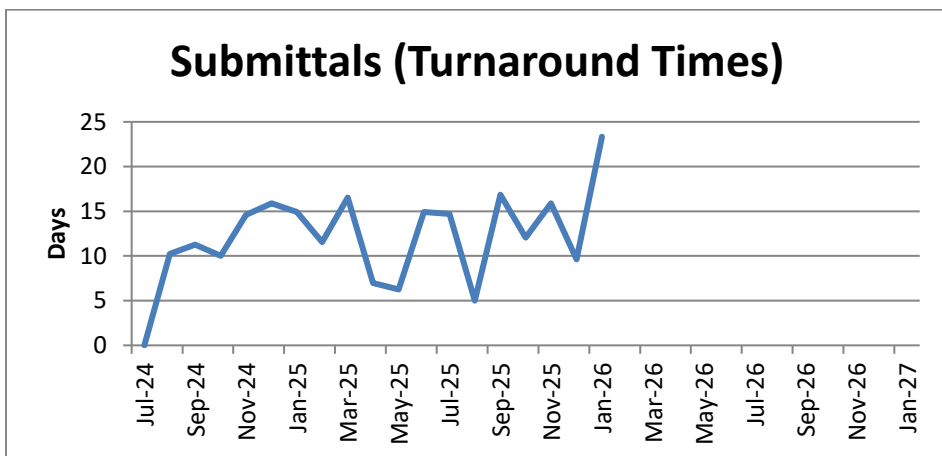
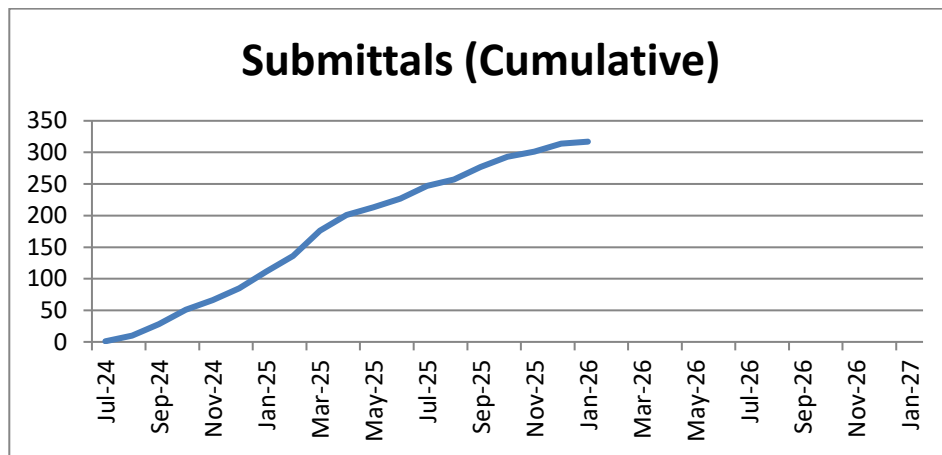
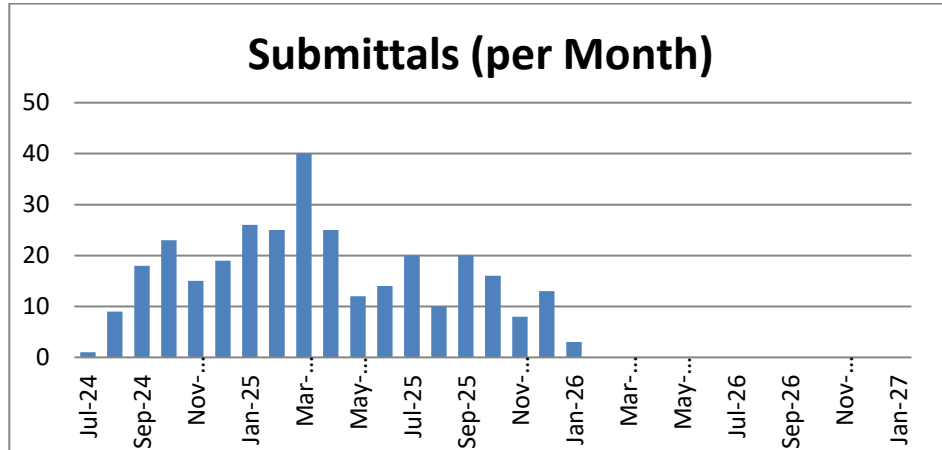
The total average project turnaround time on RFIs is 8.9 days. Graphs of RFIs per Month, Cumulative RFI count, and Average Turnaround Time per Month are shown below (these reflect aggregate numbers for the project team: the District, the Engineer and the Construction Manager).

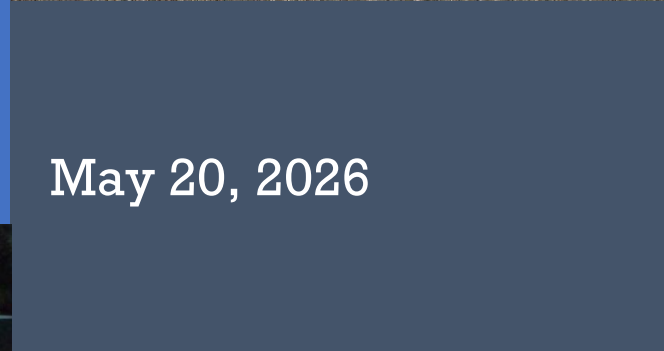




III. Submittals

Currently, the project team has reviewed 317 submittals (of which 79 were re-submittals) with an average turnaround time of 12.7 days. Graphs of Submittals per Month, Cumulative Submittals, and Submittal Turnaround Times are shown below (these reflect aggregate numbers for the project team: the District, the Engineer & the Construction Manager).





ICM

7040 Settlers Trail
Shingle Springs, CA 95682
(530) 683-4038
www.icmgroupusa.com

May 20, 2026

Dane Schilling
City Engineer
City of Wheatland
111 C Street
Wheatland, CA 95692

Swarnjit Boyal
Public Works Engineer
Oliverhurst Public Utility District
1970 9th Avenue
Olivehurst, CA 95961

RE: Cost Proposal to Provide Construction Management and Inspection Services for the Wheatland-OPUD Regional Sewer Pipeline Project (CWSRF Project No. C-06-8753-110)

Dear Gentlemen:

Enclosed please find our cost proposal for the referenced project. Our cost proposal includes a proposed budget and fee schedules. Assumptions related to the proposed budget are included. Our fees, those of ICM and our subconsultants, are good through December 31, 2026; thereafter there will be a yearly increase noted on our fee schedules.

Our proposed Total Budget for ICM's construction management and inspection services for your Project is \$4,959,205.

ICM complies with the Department of Industrial Relations (DIR) Prevailing Wage requirements. Our DIR number is: 1000036717. Our subconsultants also comply with DIR requirements.

Thank you for reviewing our cost proposal. If you have questions or comments, please call me at 916-683-4038.

Sincerely,
Inferrera Construction Management Group, Inc.



Jeffrey Inferrera, PE
President

**City of Wheatland and Olivehurst Public Utilities District
Wheatland-OPUD Regional Sewer Pipeline Project**

**Contract 1A Pipeline
ICM Schedule and Budget Table**

Construction Activities	2026												2027												2028			
	Start Lay Pipe												Finish Lay Pipe Appurt Appurt Paving Paving SC												FC			
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb							
NTP (June 15)																												
Submittals																												
Procurement, Delivery																												
Lay Pipe																												
2 HDD																												
5 Jack and Bore																												
Appurtenances																												
Paving																												
PS Tie In (April 2028, N.A.)																												
Punchlist																												
																						Total 2026 hrs	Rate 2026	Total 2027 hrs	Rate 2027	Total 2028 hrs	Rate 2028	Total \$
Construction Manager	Jeffrey Infrerra	40	80	80	80	80	80	24	24	80	80	80	80	80	80	80	80	80	24	24	520	\$ 255	792	\$265.20	24	\$ 275.81	\$ 349,257.79	
Pipeline Inspector	Scott Ahlstrom	40	80	160	160	160	160			160	160	160	160	160	160	160	160	160	160	80	760	\$ 180	1600	\$187.20	80	\$ 194.69	\$ 451,895.04	
Tunnelling	Casey Kirk			160	160	160	160														800	\$ 250	0	\$260.00	0	\$ 270.40	\$ 200,000.00	
Project Engineer	Roman Gary	8	4	4	4	4	4			4	4	4	4	4	4	4	4	4	4	8	28	\$ 110	40	\$114.40	8	\$ 118.98	\$ 8,607.81	
Administration	Elena Infrerra	8	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	8	28	\$ 95	44	\$ 98.80	8	\$ 102.75	\$ 7,829.22	
Quality Assurance	Garrett Shonkwiler		4			4		4		4		4		4		4				8	12	\$ 110	20	\$114.40	8	\$ 118.98	\$ 4,559.81	
Warranty	Jeffrey Infrerra																								8	\$ 281.00	\$ 2,248.00	
Material Testing	Youngdahl		32	32	32	32	32			32	32	32	32	32	32	32	32	16	16		160	\$ 151	288	\$155.53	0	\$ 160.20	\$ 68,952.64	
Survey QA	R.E.Y.																										\$ 15,000.00	
SWPPP QA	A.R.E.						16														16	\$ 134	0	\$139.36	0	\$ 144.93	\$ 2,144.00	
Community Relations	CirclePoint		24	16	16	16	16	8	8	16	16	16	16	16	16			8	8		88	\$ 218	128	\$226.72	0	\$ 235.79	\$ 48,204.16	
Labor Compliance	Cumming																										\$ 33,713.00	
ProCore																											\$ 15,600.00	
Subconsultant Fee, 5%																											\$ 18,400.69	

Contract 1A Total \$1,226,412

**Contract 1B Pump Stations
ICM Schedule and Budget Table**

Contract 1B Total	\$ 1,717,417
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ICM

City of Wheatland and Olivehurst Public Utilities District
Wheatland-OPUD Regional Sewer Pipeline Project
Contract 2 Pipeline and Pump Stations
ICM Schedule and Budget Table

		NTP												SC												FC				Total Hrs	Rate	Total \$				
		2026						2027						2028																						
Construction Activities		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep							
NTP (June 15)																																				
Submittals																																				
Procurement, Delivery																																				
Lay Pipe																																				
5 Trenchless Crossings																																				
Appurtenances																																				
PS21																																				
PS2																																				
Paving																																				
PS Tie In (April 2028, N.A.)																																				
Punchlist																																				
Startup																																				
Labor Classification	Personnel																													Total 2026 hrs	Rate 2026	Total 2027 hrs	Rate 2027	Total 2028 hrs	Rate 2028	Total \$
Construction Manager	Ricardo Bedoy	80	140	140	140	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	80	80	24	24	24	24	100	100	800	\$ 255	1200	\$265.20	456	\$ 275.81	\$ 648,008.45	
Pump Station Inspector	Matt Livingston	24	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	80	80					160	160	824	\$ 180	1760	\$187.20	480	\$ 194.69	\$ 571,242.24	
Pipeline Inspector	Joe Saylor	80	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160									720	\$ 180	1000	\$187.20	0	\$ 194.69	\$ 316,800.00	
Tunnelling	Casey Kirk			160	160	160	160							160	160	160	160	160	160	160	40								640	\$ 250	0	\$260.00	0	\$ 270.40	\$ 160,000.00	
Electrical Inspector	Akil Barris					16		16			16		40				16		16							80	80	32	\$ 190	128	\$197.60	160	\$ 205.50	\$ 64,253.44		
Project Engineer	Roman Gary	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8						28	\$ 110	48	\$114.40	12	\$ 118.98	\$ 9,998.91		
Administration	Elena Infererra	8	4	4	4	4	4	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	4	8	28	\$ 95	44	\$ 98.80	28	\$ 102.75	\$ 9,884.26	
Quality Assurance	Garrett Shonkwiler			4		4		4		4		4		4		4		4		4		4					8	12	\$ 110	24	\$114.40	12	\$ 118.98	\$ 5,493.31		
Warranty	Jeffrey Infererra																											16	\$ 281.00	16	\$ 281.00	0		\$ 4,496.00		
Material Testing	Youngdahl				8		8		8		8																	16	\$ 151	16	\$155.53	0	\$ 160.20	\$ 4,904.48		
Survey QA	R.E.Y.																																\$ 15,000.00			
SWPPP QA	A.R.E.							16									16											16	\$ 134	16	\$139.36	0	\$ 144.93	\$ 4,373.76		
Community Relations	CirclePoint		24	16	16	16	16	16	8	8	8	8	8	8	8	8	8	8	8									88	\$ 218	64	\$226.72	0	\$ 235.79	\$ 33,694.08		
Coatings Inspection	BACC							24																				24	\$ 150	24	\$156.00	0	\$ 162.24	\$ 7,344.00		
Labor Compliance	Cumming																																\$ 94,397.00			
ProCore																																	\$ 49,500.00			
Subconsultant Fee, 5%																																	\$ 15,985.67			

Contract 2 Total \$ 2,015,376

5/20/2026

ICM

Inferrera Construction Management Group, Inc.
Fee Schedule
Wheatland-OPUD
Construction Management and Inspection
Regional Sewer Pipeline Project

Labor Hourly Rates by Position

Construction Manager	\$255
Pump Station Inspector	\$180
Pipeline Inspector	\$180
Electrical Inspector	\$190
Project Engineer	\$110
Quality Assurance	\$110
Administrator	\$95
Other ICM Support	\$180

Expense Rates

Project Travel, Mileage	N.C.
Project Travel, Time	N.C.
Field Computer/Phone	N.C.
Other ODCs billed separately	

Administrative Fees

Expenses	0%
Subconsultants	5%

Notes:

1. Minimum 4-hour onsite charge per site or off-site visits.
2. Overtime for work performed on Monday thru Friday will be charged 1.5 times the hourly rate for time worked over eight hours a day up to 12 hours, and 2 times the hourly rate for time worked over twelve hours.
3. Work on Saturday will be charged the 1.5 time overtime rate for the first eight hours and 2 times the hourly rate for time worked over 8 hours.
4. Work on Sunday and Holidays will be charged at the 2 time overtime rate.
5. Second shift work performed commencing after 2 p.m. or before 4 a.m. will be charged an additional \$25 per hour.
6. This Rate Schedule is valid until December 31, 2026. There will be an annual increase of 4% starting January 1, 2027, and each year thereafter.

Wheatland-OPUD Regional Sewer Pipeline Project Cost Proposal Assumptions

To plan construction management and inspection resource allocation for the Regional Sewer Pipeline Project, we used the requirements of the Agency's Request for Proposal, project plans and specifications, and our experience on other similar projects. Assumptions we used to develop our proposed budget are explained below.

Important Dates and Times

- We assume that construction management services will start mid June 2026.
- We estimate the latest Final Completion Date will be in September 2028.
- We assume construction management services will end by September 2028.
- Our budget assumes Contractor and all of its subcontractors will work 8-hour days.
- We assume that the Contractor and all of its subcontractors will start their work day and end their work day at the same time.

Comments on Pipeline

1. In regards the duration of pipeline projects, typical production rates for these types of pipes are 200 to 400 LF per day. Considering the impact of existing utilities, we assumed the lower production rate of 200 LF per day. which equates to durations provided in the budget table. Our assumption is based on each pipeline project having one pipe laying crew for excavation, lay, and backfill, and one appurtenance crew.

2. In regards the duration of pump station and associated treatment plant work, we based their durations on our recently completed Bogue Road Wastewater Pump Station Project in Yuba City. The Bogue Road Wastewater Pump Station has a similar size and complexity as Contract 1B pump stations 1, 2, and 3. We increased the duration for Pump Station 21.

Weather Impacts

We assume that inclement weather in the winter months will stop pipeline work for two months.

Assumptions for Resident Engineers Hours

For all three contracts of their size and complexity, an experienced construction manager, such as Jeffrey Inferrera and Ricardo Bedoy, will have a utilization on average of 50 percent. Their hours are reflected accordingly in the Proposed Budget Table.

Assumptions for Pipeline Inspector Hours

For this project, based on the pipe size and trenching, we assume a pipe installation production rate of 200 LF per day. It is common to have one pipe laying crew and one appurtenance crew working at the same time. One inspector with Scott Ahlstrom and Joe Saylor's experience can inspect two crews, one laying pipe and the other installing appurtenances on the same pipeline segment.

Assumptions for Tunnelling Inspector Hours

We assume each trenchless crossing is 4 weeks long, with 2 weeks of boring, and they are all completed in the first dry season. Our team includes Casey Kirk, an experienced tunnelling inspector.

Assumptions for Pump Station Inspector Hours

We have budgeted for one full time pump station inspector for Contract 1B, Paul Lopez, and one full time pump station inspector for Contract 2, Matt Livingston. Paul Lopez and Matt Livingston are both experienced inspectors who are qualified to all trades. However, we have allotted additional hours for other inspectors to help them on an as needed basis. This additional support will be used for inspecting specific technical details or to supplement field staff when work is at peak construction activity.

Assumptions for Electrical Inspector Hours

Our electrical inspector, Akil Barris, ICC, will provide specialty electrical inspection for the pump stations on a part time basis, as needed. His hours are incorporated in the budget table.

Assumptions for Material Testing Inspector Hours

Youngdahl will provide material testing services for Contract 1A and 1B. For Contract 2, since the contractor is responsible for material testing, we have included QA testing services. Youngdahl's work is included in the budget table.

Assumptions for SWPPP Inspection Hours

All three projects require the contractors to provide SWPPP services including design and inspection. American River Environmental will provide SWPPP quality assurance on an as needed basis.

Assumptions for Public Relations Hours

CirclePoint, an experienced public relations firm, will provide public relations support on an as needed basis. We based their budget on their work for our recent Arden Area Main Lines Project for Sacramento County Water Agency.

NACE Certified Coatings Inspection

Wastewater pump stations normally have specialty coatings. We have included the services of Bay Area Coatings Consultants, a NACE certified coatings inspection firm, to provide these services. Our proposed budget includes an estimate of the needed resource allocation.

Licensed Land Surveying

Since there are multiple pipelines and connections, we have included R.E.Y. Engineers to provide survey quality insurance services. They will verify, at the start of the job, that all contractors are using the same coordinate systems and check for errors.

Assumptions for Labor Compliance

The Cummings Group used the project information to develop a labor compliance budget which is included in the budget table.

Project Engineering

We have budgeted for an engineer, Roman Gary, M.S., to assist with conformed drawings, as built drawings, RFI and submittal coordination.

Administrative Services

We provide, on an as needed basis, the services of our administrators who are experienced with ProCore, VPM, and other document management systems and the other miscellaneous project tasks.

Warranty Support Services

We have provided warranty support services for past pump station and treatment plant projects. The number of hours required to assist operations and maintenance staff is minimal. We included what we consider sufficient budget.

Other Considerations

- In the future event that we discover that our assumptions were not accurate, we will need to be afforded the opportunity to adjust our budget accordingly or change our scope of services so that we can meet the Agency's needs while being properly reimbursed for our services. This is because the actual construction management and inspection budget needed to provide the Agency with the resource allocation needed to meet their needs is dependent on the contractor's actual schedule, productivity and progression of their work, resource allocation, and material availability and delivery, which is not known at this time. Additional inspection support above and beyond what is budgeted may be appropriate depending on these and other factors.
- This budget is in agreement with RFP Scope of Services with comments in our Proposal.
- This proposal is based on a time and materials contract. This cost proposal is only an estimate; actual labor effort will be dependent on the contractors' schedule. Budgeted hours and cost proposal may change based on the actual project schedule. ICM reserves the right to transfer budgeted hours between contracts, between projects, and between tasks and subtasks.
- This proposal excludes hiring of an inspector apprentice which can be required by the State Department of Industrial Relations although we have not seen it done to date and have not included hours for an apprentice.
- Contractors will provide office space and utilities at the job site for construction management and inspection staff. These costs have not been included in the proposed budget.

**Wheatland-OPUD
Regional Sewer Pipeline Project
Proposal Exclusions**

1. We exclude ADA compliance certification and/or warranty.
2. Our inspectors will note and address SWPPP violations in their normal daily activities. However, ICM will not provide SWPPP special inspection services except for QA inspection as needed. We exclude SWPPP plan development, SWPPP certification and SWPPP uploading to State web site.
3. We exclude surveying by a California Licensed Land Surveyor except as QA inspection only.
4. We exclude construction staking.
5. We exclude litigation, arbitration, or other dispute resolution support. These are optional services we can add.
6. We exclude engineering support services such as technical review of submittals and RFIs with the exception of schedule submittal, schedule of values submittal, and RFIs better answered by our field staff.
7. We exclude submittal and RFI routing and/or review through or by ICM. Routing of submittals and RFIs will be by direct transmission from contractor to engineer (and vice versa) with copies to ICM and Owner. Transmission will be by ProCore, or equal, document management system. Review of submittals will be performed by the design engineer and Owner.
8. We provide daily field reports and daily inspection reports. We exclude building official reports or sign offs as well as project final inspection reports. However, this can be provided as additional services if needed.
9. ICM is not responsible for Contractor's safety or safety program.
10. ICM is not responsible for Contractor's schedule.

Brown and Caldwell

City of Wheatland and Olivehurst Public Utilities District Wheatland-OPUD Regional Sewer Pipeline Project **2026 Charge Rates Schedule – CM Only**

Professional Services

Principal in Charge.....	\$330.00/hour
Project Manager.....	\$280.00 - \$320.00/hour
Administrative Personnel*	\$100.00 - \$150.00/hour

Construction Management

Construction Manager.....	\$250.00 - \$320.00/hour
Construction Inspector.....	\$215.00 - \$250.00/hour
Electrical Inspector.....	\$210.00 - \$250.00/hour

** Includes Administrative Professional, Project Analyst and Project Biller.*

Assumptions:

- Rates are effective through December 31, 2026. Rates will be adjusted by 4% escalation per year thereafter at the beginning of each calendar year.
- BC staff will be provided with an on-site field office with furnishing, internet services and reproduction capabilities.

2026 Hourly Rates for Specific Personnel

Stephen Walters - \$330

Gavin Lee - \$250

Casey Kirk - \$250

Rick Sasser - \$240

Dane Forsberg - \$225

Anthony Knapp - \$211



Cumming Fee and Budget Table

ANNUAL ESCALATION	4%
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\$ 203,965.34

ICM Group, Inc.

PREVAILING WAGE FEE SCHEDULE FOR PROFESSIONAL SERVICES (2026)*	
PERSONNEL	STANDARD RATE
Principal Engineer	\$ 230.00 /hr
Senior Engineer/Geologist/Scientist	\$ 190.00 /hr
Project Engineer/Geologist/Environmental Scientist	\$ 173.00 /hr
Staff Engineer/Geologist/Scientist	\$ 163.00 /hr
Field Supervisor	\$ 163.00 /hr
NDT Special Inspector/Floor Flatness	\$ 173.00 /hr
ICC Lead Special Inspector, DSA Masonry – Group 1 (excluding NDT)	\$ 157.00 /hr
For Non-Prevailing Wage Tasks	\$ 138.00 /hr
ICC/AWS/CWI Certified Special Inspector – Group 2	\$ 156.00 /hr
For Non-Prevailing Wage Tasks	\$ 135.00 /hr
Soils Engineering Technician ; ACI Groups 3 & 4	\$ 151.00 /hr
For Non-Prevailing Wage Tasks	\$ 110.00 /hr
Environmental Technician	\$ 116.00 /hr
QSD-Qualified SWPPP Developer	\$ 156.00 /hr
QSP-Qualified SWPPP Practitioner	\$ 116.00 /hr
Laboratory Manager	\$ 162.00 /hr
Senior Laboratory Technician	\$ 126.00 /hr
Laboratory Technician	\$ 102.00 /hr
Draftsperson	\$ 112.00 /hr
Clerical	\$ 106.00 /hr

* The fees contained within this schedule are considered to be valid through 2026. These fees will be subject to a 3% escalation for any work extending beyond 2026.

BASIS OF CHARGES	
Equipment Charges: All of the above rates are inclusive of routine test equipment. Exceptions: • Coring Machine - \$200/day • Generator - \$75/day • High Precision GPS Receiver - \$150/day • Photo-Ionization Detector - \$100/day • Skidmore - \$100/day • Fireproofing Adhesion - \$25/test	
Hours are billed portal to portal in accordance with the following minimum charges: • Times are rounded up to the nearest ½ hour. • 2-hour minimum on-site charge for each site visit. • 4-hour minimum on-site charge for weekend work. • 2-hour minimum charge for work scheduled that was not cancelled by 5pm the day before.	
	- 1.5 x hourly rate - 1.5 x hourly rate - 2.0 x hourly rate - 2.0 x hourly rate - 2.0 x hourly rate - \$10+ hourly rate
Mobilization Charge: A mobilization charge of \$ 80.00/site visit will be added for all projects requiring site visits within 40 miles of our corporate yard. For projects beyond 40 miles, a mileage fee will be assessed at \$0.95/mile portal to portal per visit from our corporate headquarters address to the project site. Distance will be determined by Google Maps quickest calculated distance.	



BASIS OF CHARGES (Cont.)
Expert Witness Services:

Mediation, arbitration, deposition, expert witness testimony and public hearing attendance will be billed at 2 times normal hourly rates in 4-hour incremental blocks.

Rush Charges:

Field:

An additional 1 hour of field time at the appropriate personnel rate may be charged to expedite work which requires dispatching after 4:30 pm of the previous day, or the same day, as requested by the contractor or client.

Large Format Plotting:

- Color or Black & White - \$12 minimum setup + 0.65 per sq. foot

Miscellaneous Charges:

- Supplies and outside services are billed at cost +15%
- Airfare, rental vehicles, lodging, and meals for authorized out-of-town travel, will be charged per person per day using the current IRS per diem rate applicable to the area.
- Subcontracted work will be billed at cost +15%
- Projects with specialized accounting protocol required to be filled out for the client will be charged an additional 4% of the project budget
- Copying and distribution for project reporting includes 4 reports. If additional report copying is necessary, a \$25.00 charge will be billed for each additional report
- Projects requiring Level C PPE will be charged at 1.5 x normal hourly rate
- \$10.00 surcharge may be applied to normal rates for projects where naturally occurring asbestos (NOA) is present.

TERMS AND CONDITIONS:

Youngdahl Consulting Group, Inc. shall perform professional services in accordance with the generally accepted professional practice of its profession within the area where the work is performed on behalf of the client. Upon entering into this agreement many risks potentially affect Youngdahl Consulting Group, Inc. The principal risk is the potential for human error by Youngdahl Consulting Group, Inc. Client agrees to limit our liability to Client and to all other parties for damages arising from any and all claims, losses, costs, damages of any nature whatsoever or claims expenses from any cause or causes, including attorneys' fees and costs and expert-witness fees and costs shall be limited to \$25,000.00 and Client further agrees to indemnify and hold harmless Youngdahl Consulting Group, Inc. from and against all liabilities in excess of monetary limit established above.

(Prevailing Wage Fee Schedule for Professional Services on Front of Sheet)



FEE SCHEDULE FOR LABORATORY SERVICES (2026)

The following contains the soils and material testing prices for services rendered by Youngdahl Consulting Group, Inc. Prices are valid for 2026. Unless noted, test prices include routine sample preparation, test set-up, performance of test, calculations, and reporting of results. Please call us at (916) 933-0633 for further information.

TEST	TEST METHOD(S) ¹	UNIT PRICE (\$)
SOILS TESTS		
Classification and Index Properties		
Sieve Analysis, Fine with No. 200 Wash	D422, D6913, CTM 202, T88	\$ 145.00 Each
Sieve Analysis, Coarse and Fine Combined	D422, D6913, CTM 202, T88	\$ 230.00 Each
Percent Passing No. 200 Sieve, Soil	D1140	\$ 105.00 Each
Percent Passing No. 200 Sieve, Rocky Sample	D1140	\$ 200.00 Each
Hydrometer Analysis	D422, D7928	\$ 300.00 Each
Atterberg Limits	D4318, T89, T90	\$ 230.00 Each
Moisture Content	D2216, D4643	\$ 25.00 Each
Moisture Content & Dry Density	D7263	\$ 50.00 Each
Specific Gravity	D854	\$ 260.00 Each
Soil pH	D4972	\$ 50.00 Each
Pinhole Dispersion	D4647	\$ 775.00 Each
Organic Content	D2974	\$ 155.00 Each
Soil Corrosion Properties*	CTM 417, 422, 643	\$ 275.00 Each
(*Includes Soil pH, Minimum Resistivity, Chlorides, and Sulfates)		
Moisture Density Relations-Compaction		
Proctor – 4"	D698, D1557, T99, T180	\$ 350.00 Each
Proctor – 6"	D698, D1557, T99, T180	\$ 350.00 Each
California Impact	CTM 216	\$ 325.00 Each
Check Point		\$ 205.00 Each
Strength		
Unconfined Compression	D2166	\$ 200.00 Each
Unconfined Compression, Chemically-Treated	D1633 (Mod), CTM373 (Mod)	\$ 620.00 Each
Quicklime Saturation (Eades and Grim)	C977, D6276	\$ 205.00 Each
Direct Shear, 3 Points	D3080	\$ 515.00 Each
Triaxial Shear, UU	D2850	\$ 250.00 Each
Triaxial Shear, CU (3 Points)	D4767	\$ 1,700.00 Set
Resistance "R-Value"	CTM 301, D2844	\$ 360.00 Each
Sample Preparation		\$ 100.00 Hour
Hydraulic Conductivity		
Flexible Wall Permeability	D5084	\$ 385.00 Each
Permeability (>10 ⁻³)	D2434	\$ 450.00 Each
Consolidation/Swell		
Consolidation	D2435	\$ 600.00 Each
One-Dimension Swell or Collapse	D4546, Method A	\$ 500.00 Each
One-Dimension Swell or Collapse	D4546, Method B	\$ 200.00 Each
One-Dimension Swell or Collapse	D4546, Method C	\$ 600.00 Each
Expansion Index	D4829	\$ 250.00 Each

NOTES

- Test methods listed are as follows:
 - Those beginning with a C, D, or E are ASTM International methods
 - CTM – California Test Method, California Department of Transportation
 - Those beginning with a T are AASHTO methods
 - Those beginning with an MS are Asphalt Institute methods
- Any testing where lime or cement is required to be added, cost of test may be increased by 20%
- Rush Fee: 150% of standard unit price



TEST	TEST METHOD(S) ¹	UNIT PRICE (\$)	
AGGREGATE TESTS			
Sieve Analysis – Coarse (without wash)	C136, CTM 202, T27	\$ 125.00	Each
Sieve Analysis – Fine (including wash)	C136, CTM 202, T27	\$ 145.00	Each
Sieve Analysis – Coarse and Fine Combined	C136, CTM 202, T27	\$ 230.00	Each
Percent Passing No. 200 Sieve	C117, T11	\$ 105.00	Each
Specific Gravity and Absorption, Coarse	C127	\$ 150.00	Each
Specific Gravity and Absorption, Fine	C128	\$ 175.00	Each
Organic Impurities in Sand	C40	\$ 100.00	Each
Unit Weight, Loose or Rodded	C29	\$ 100.00	Each
Sand Equivalent	CTM 217, D2419	\$ 180.00	Each
Crushed Particles (fractured faces) (<i>per sieve size</i>)	CTM 205, D5821	\$ 105.00	Each
Flat and Elongated Particles (<i>per sieve size</i>)	D4791	\$ 105.00	Each
Clay Lumps and Friable Particles	C142	\$ 200.00	Each
Los Angeles Abrasion Test	C131, C535	\$ 260.00	Each
Durability Index	CTM 229, D3744	\$ 290.00	Each
Durability, Coarse or Fine	CTM 229, D3744	\$ 145.00	Each
Cleanness Value	CTM 227	\$ 145.00	Each
Mortar Sand Strength	CTM 515, C87	\$ 775.00	Each
CONCRETE/MASONRY TESTS			
Concrete Compression (including mold)	C39	\$ 50.00	Each
Mortar Compression (including mold)	C780	\$ 50.00	Each
Grout Compression (including mold)	C1019	\$ 100.00	Each
CLSM Compression (including mold)	D4832	\$ 70.00	Each
Concrete Core Compression	C42	\$ 70.00	Each
Shotcrete Core Compression (including coring)	C1604	\$ 125.00	Each
Core Height (Length/Thickness)	C1542	\$ 15.00	Each
Modulus of Elasticity	C469	\$ 350.00	Each
Flexural Strength, Beam	C78	\$ 105.00	Each
Laboratory Trial Batch (incl. 9 compression tests)	C192	\$ 2,060.00	Each
Concrete Drying Shrinkage (set of 3)	C157 (Mod)	\$ 515.00	Each
Sample Cutting and Trimming (1/4 hour minimum)		\$ 100.00	Hour
CMU Dimension Verification	C140	\$ 75.00	Each
CMU Moisture Absorption/Unit Weight/Moisture	C140	\$ 75.00	Each
CMU Block Compression	C140	\$ 110.00	Each
CMU Composite Prism Compression	C1314	\$ 200.00	Each
CMU Core Shear	CBC 2105A.4/5	\$ 60.00	Each
ASPHALT CONCRETE TESTS			
Solvent Extraction, % Asphalt	D2172, T164	\$ 300.00	Each
Gradation of Extracted Aggregate	D5444, T30	\$ 180.00	Each
Unit Weight of Core or Briquette	CTM 308, D2726, D1188, T166, T275	\$ 75.00	Each
Thickness of Core	D3549	\$ 15.00	Each
Theoretical Maximum Specific Gravity (Rice Method)	D2041, CTM 309, T209	\$ 180.00	Each
AC Moisture Content	CTM 370, T329	\$ 55.00	Each
AC Air Void Determination	D3203, T269	\$ 55.00	Each
AC VFA Determination	MS-2	\$ 55.00	Each
AC VMA Determination	MS-2	\$ 55.00	Each
MISCELLANEOUS			
Fireproofing Density Test	E605	\$ 125.00	Each
Non-Masonry Mortar/Grout Compression Test	C579	\$ 50.00	Each
Bend and Tensile Test (up to #11 bar)		\$ 225.00	Each





AMERICAN RIVER ENVIRONMENTAL

12 May 2026

Jeff Inferrera – (530) 683-4038
ICM Group, Inc.
2795 East Bidwell St. Suite 100-149
Folsom, CA 95630

DIR# 2000010803
DGS Micro/Small Business# 2045483

PROPOSAL: Wheatland-OPUD Regional Sewer Pipeline Project – Wheatland and Olivehurst – QSD and QSP Services

Thank you for considering American River Environmental (ARE), a California Certified Small Business, for your storm water compliance needs for the Wheatland-OPUD Regional Sewer Pipeline Project at multiple locations in Wheatland and Olivehurst, California. ARE personnel include a Construction General Permit Qualified Trainer of Record, Certified Professionals in Erosion and Sediment Control, and Certified Erosion, Sediment, and Storm Water Inspectors that are State Certified, Qualified SWPPP Developers (QSD), and Qualified SWPPP Practitioners (QSP).

American River Environmental offers the following services:

1. American River Environmental proposes to provide 2 (two) technical stormwater oversight inspections as needed for the Contract No. 1 (Wheatland Pump Stations and Force Main).
2. American River Environmental proposes to provide 2 (two) technical stormwater oversight inspections as needed for the Contract No. 2 (OPUD Pump Stations and Force Main).
3. American River Environmental proposes to provide 2 (two) technical stormwater oversight inspections as needed for the Contract No. 3 (OPUD WWTP).
4. American River Environmental proposes to technical stormwater services as needed for the project.

SCOPE OF WORK

Task 1	Technical Support Inspection Services (Contract No. 1)	\$ 105/hr.
Task 2	Technical Support Inspection Services (Contract No. 2)	\$ 105/hr.
Task 3	Technical Support Inspection Services (Contract No. 3)	\$ 105/hr.
Task 4	Technical Stormwater Services.....	\$ 134/hr.

ARE will provide any additional services within their ability according to ARE's current Schedule of Rates and Charges.

The following are specifically excluded: State, Federal, and local fees and fines; BMP installation; local agency requirements; routine stormwater sample collection, transport, and analysis; pre-SWPPP development site visit; sediment basin design (if required); dewatering compliance tasks (Water Board notification, sampling, monitoring etc.), and ATS design and operation.

Best wishes for a successful bid!

Sincerely,

A handwritten signature in blue ink, appearing to read 'John Brenner', with a long horizontal flourish extending to the right.

John Brenner, President

Accepted



AMERICAN RIVER
ENVIRONMENTAL

Schedule of Rates

Classification Hourly Rate

Principal	\$165
Water Compliance Specialist	\$144
Training Instructor	\$144
Qualified SWPPP Developer / Inspection Auditor	\$134
Qualified SWPPP Practitioner / Construction Inspector	\$105
Drafting Technician	\$80
Clerical	\$61
2-Person Meeting Rate	\$181

Other Charges Rate

SWPPP – Risk Level/Type 1	\$2,700 each
SWPPP – Risk Level/Type 2	\$2,900 each
SWPPP – Risk Level/Type 3 and LUP prices are based on the project.	
NOI Preparation	\$350 each
WPCP – (site visit cost is additional based on location)	\$1,800 each
QSP Services* – Risk Level/Type 1 (within service area).....	\$1,600/mo.
QSP Services* – Risk Level /Type 2 (within service area).....	\$1,700/mo.
Overtime (after 8 hours but less than 12)	1.5 x rate
Overtime (after 12 hours)	2.0 x rate
Mileage	\$0.65/mile
Per Diem	\$184/day
Printing	\$0.28/s.f.
Additional SWPPP Copies (2 binder copies included in SWPPP cost)	\$55 each



Celebrating Thirty-Eight Years of Experience & Integrity

January 30, 2026

Jeff Inferrera
ICM Group, Inc.
21 E. Natomas St. #150
Folsom, Ca 95630

Subject: 2026 Rate sheet – Effective May 1st, 2026

Bay Area Coating Consultants, Inc. will provide AMPP Certified Specialty Inspector for AMPP certified Inspection requirements. The Inspector will be tasked to ensure the surface preparation meets the contract specifications and the linings are applied as per the manufacture's recommendations. BACC will provide an AMPP Certified inspector to observe the mixing, surface preparation, application of the coating system, and final required testing. BACC will provide daily reports on the surface preparation, testing, and coating operations. BACC will follow all SSPC, NACE, AMPP, ICRI, AWWA, and ASTM current guidelines and standards. All reports will be e-mailed to you for your review. All BACC employees are confined space certified and lead awareness trained, scaffolding trained, and fit tested. The Contractor shall be responsible for safe entry into confined spaces.

Building/Construction Inspector Tester – Group 4			
DIR Public Works Contractor (PWC) Registration No 1000005228 Expires 6/30/2026			
State of California Small Business (Micro) Public works Certification No. 61256 Expires 11/30/2026			
State of California Small Business Public Works Certification No. 2005005 Expires 3/31/2027			
SSPC QP-5 Certified Inspection Firm Certification 3/31/2026			
Regular rate	Overtime	Double time	Truck/equipment
\$141.59 per hour	\$212.38 per hour	\$269.70 per hour	\$10.20 per hour
<i>*Four hour minimum</i>			
<i>*24 Hour call out notification</i>			
<i>*Yearly 3% price escalation</i>			

*Rates are good through July 31, 2027. Rates subject to change thereafter

Please call if you have any questions or if you want to further discuss the information contained inside this rate sheet.

Respectfully Submitted,

Austin Darrimon

Vice President

Bay Area Coating Consultant Inc.

www.bayareacoating.com



SSPC QP5 Certified

STANDARD FEE SCHEDULE

LABOR CLASSIFICATION	2026	2027	2028	2029	2030
Assistant Engineer/Surveyor - I	\$130	\$137	\$143	\$150	\$158
Assistant Engineer/Surveyor - II	\$144	\$151	\$159	\$167	\$175
Assistant Engineer/Surveyor - III	\$158	\$166	\$174	\$183	\$192
Assistant Engineer/Surveyor - IV	\$172	\$181	\$190	\$199	\$209
Assistant Engineer/Surveyor - V	\$187	\$196	\$206	\$216	\$227
Assistant Engineer/Surveyor - VI	\$202	\$212	\$223	\$234	\$246
Assistant Engineer/Surveyor - VII	\$217	\$228	\$239	\$251	\$264
Associate Engineer/Surveyor - I	\$162	\$170	\$179	\$188	\$197
Associate Engineer/Surveyor - II	\$176	\$185	\$194	\$204	\$214
Associate Engineer/Surveyor - III	\$190	\$200	\$209	\$220	\$231
Associate Engineer/Surveyor - IV	\$205	\$215	\$226	\$237	\$249
Associate Engineer/Surveyor - V	\$220	\$231	\$243	\$255	\$267
Senior Engineer/Surveyor - I	\$222	\$233	\$245	\$257	\$270
Senior Engineer/Surveyor - II	\$243	\$255	\$268	\$281	\$295
Senior Engineer/Surveyor - III	\$264	\$277	\$291	\$306	\$321
Senior Engineer/Surveyor - IV	\$285	\$299	\$314	\$330	\$346
Senior Engineer/Surveyor - V	\$306	\$321	\$337	\$354	\$372
Principal Manager - I	\$315	\$331	\$347	\$365	\$383
Principal Manager - II	\$349	\$366	\$385	\$404	\$424
Technician - I	\$111	\$117	\$122	\$128	\$135
Technician - II	\$131	\$138	\$144	\$152	\$159
Technician - III	\$151	\$159	\$166	\$175	\$184
Senior Technician - I	\$158	\$166	\$174	\$183	\$192
Senior Technician - II	\$179	\$188	\$197	\$207	\$218
Senior Technician - III	\$200	\$210	\$221	\$232	\$243
LiDAR Technician I	\$168	\$176	\$185	\$194	\$204
LiDAR Technician II	\$192	\$202	\$212	\$222	\$233
LiDAR Technician III	\$216	\$227	\$238	\$250	\$263
Senior LiDAR Specialist I	\$224	\$235	\$247	\$259	\$272
Senior LiDAR Specialist II	\$252	\$265	\$278	\$292	\$306
GIS Analyst	\$164	\$172	\$181	\$190	\$199
GIS Manager	\$190	\$200	\$209	\$220	\$231
1-Person Crew	\$230	\$242	\$254	\$266	\$280
2-Person Crew	\$375	\$394	\$413	\$434	\$456
3-Person Crew	\$510	\$536	\$562	\$590	\$620
Project Coordinator	\$138	\$145	\$152	\$160	\$168
Senior Project Coordinator	\$224	\$235	\$247	\$259	\$272
Grant Administrator	\$224	\$235	\$247	\$259	\$272
Expert Witness Testimony/Deposition	\$524	\$550	\$577	\$606	\$636
EXPENSE CLASSIFICATION					
Terrestrial LiDAR Scanning Equipment (per hour, 2-hour minimum)	\$235	\$247	\$259	\$272	\$286
Mobile LiDAR Equipment (per hour)	\$810	\$851	\$893	\$938	\$985
UAV LiDAR Equipment (per flight)	\$815	\$856	\$899	\$943	\$991
Bathymetric Survey Equipment (per flight)	\$1,215	\$1,276	\$1,340	\$1,407	\$1,477
Special Monument & Iron Stakes	Cost	Cost	Cost	Cost	Cost
Outside Reproductions & Services	Cost + 15%	Cost + 15%	Cost + 15%	Cost + 15%	Cost + 15%
Subconsultants	Cost + 15%	Cost + 15%	Cost + 15%	Cost + 15%	Cost + 15%
In-House Large Format Prints (B&W)	\$0.50/SF	\$0.50/SF	\$0.50/SF	\$0.50/SF	\$0.50/SF
In-House Large Format Prints (Color)	\$1.00/SF	\$1.00/SF	\$1.00/SF	\$1.00/SF	\$1.00/SF

LEGEND

- Rates above are the hourly rate to be charged for each classification unless otherwise noted.

NOTES

- Rates are valid through **12/31/2031**.
- Reimbursement for mileage is included in the rates above.
- Rate for overtime for field and non-exempt employees will be charged at 135% of rate listed above.
- Rate for double time for field and non-exempt employees will be charged at 170% of rate listed above.
- Field rates for night shift work will be charged at 112.5% of the rates listed above.
- Field crew rates for underground work will be charged at an additional \$5/hr of the rates listed above.



2026 TIME & MATERIALS FEE SCHEDULE*

I. Professional services will be rendered based on the following hourly rates:

Senior Managing Principal	\$368
Managing Principal	\$343
Principal	\$306
Associate Principal	\$271
Senior Project Manager	\$239
Project Manager	\$210
Senior Associate	\$167
Associate	\$143
Assistant/Coordinator	\$125

II. Creative services will be rendered based on the following hourly rates:

Art Director	\$198
Senior Web/Graphic Designer	\$175
Web/Graphic Designer	\$148

III. Supportive services will be rendered based on the following hourly rates:

Accounting Manager	\$194
Accounting Clerk	\$158
Clerical	\$121

IV. Provision of related services and reimbursable expenses will be charged to the client as follows:

Black and White Prints/Copies, In House	\$0.06-0.25 per page, depending on paper size
Color Prints/Copies, In House	\$0.50-\$1.75 per page, depending on paper size
Faxes	\$0.60 per page
Phone/Postage	at cost
Mileage	Per IRS Standard Mileage Rate
Online Surveys	\$20 each
Project Email Account	at cost
Eblasts	\$14 each
Web Hosting	\$300 per year
Domain	\$15 per year
Vendor & Subconsultant Services	10% mark up for administration
AV/Equipment Rental	at cost

V. Expert witness testimony or technical assistance on legal matters shall be provided at the rate of \$350 per hour of witness and preparation time.

* Rates are effective through December 31, 2026 and subject to escalation in January 2027