

PSOMAS



# Construction Management Services Technical Proposal



**Monterey Peninsula Water Management District**

August 1, 2019

Maureen Hamilton  
Project Manager  
Monterey Peninsula Water Management District  
5 Harris Court Building G  
Monterey, CA 93940  
Via email: [mhamilton@mpwmd.net](mailto:mhamilton@mpwmd.net)

Subject: Proposal to Provide Construction Management Services in Support of the Santa Margarita Water Treatment Facility Construction Project

Dear Ms. Hamilton,

The Monterey Peninsula Water Management District (MPWMD) is upgrading its infrastructure with the construction of water treatment facilities at the Santa Margarita Aquifer Storage and Recovery (ASR) site. This project requires the services of an experienced and trusted Construction Manager. Psomas' strong qualifications, time-tested approach, and client commitment will provide MPWMD with the level of Construction Management (CM) Services required for the successful completion of this project.

Psomas is dedicated to improving critical infrastructure, protecting our communities, and responsible use of public monies. Our services are differentiated in the following key ways:

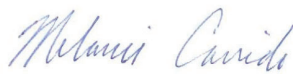
- For the last 25 years, Our Psomas Team has had a longstanding presence in the area supporting clients throughout Santa Cruz and Monterey counties.
- Our proposed Construction Management Team lives and works in the Santa Cruz/Monterey area. This team of experienced, local resources will provide MPWMD with the necessary skills and flexibility to lead high quality, timely construction.
- We bring experience on similar projects with proven, time-tested tools and processes.
- We manage with clear, consistent, and timely communication.

The success of our clients is our priority and our team is committed to working closely with MPWMD on the success of their ASR Water Treatment Facility. We are excited to present our response to your Request for Proposal and note that no addenda have been issued by MPWMD for this RFP.

Sincerely,



Gary Skrel, PE  
Regional Manager  
925.766.1130



Melanie Carrido, PE; QSP  
Construction Manager  
925.330.0343

**Regional CM Office:**  
706 Capitola Ave. Suite G  
Capitola, CA 95010

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

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# Firm Qualifications

## GROWING STRONGER

Psomas is a well-established 600-employee firm with offices throughout California, Arizona and Utah and has sustained stable growth through its 72-year history. In 2018, Psomas acquired Walnut Creek-based The Covello Group, Inc. to expand its construction management (CM) capabilities, strengthen its water resources portfolio, and provide the firm with a base from which to expand into a full-service Bay Area presence. Now a part of Psomas' Walnut Creek Region, the original Covello Group, consisting of construction management professionals with 250 years of combined experience, continues to manage water resource infrastructure projects for Bay Area clients with the benefit of Psomas' additional resources to better serve clients.

A testament to our abilities to deliver successful projects is the number of long-standing clients that continue to retain our teams for construction related services. Our clients recognize our commitment to their projects, technical capabilities, and consistent application of successful construction management practices.



## Construction Management Plus Service – Providing Maximum Value for MPWMD

Over the last 25 years, one of our core areas of focus has been providing professional construction management services for water resources projects. This focus has allowed us to develop a complete understanding of how agencies work and what is needed to deliver successful projects. As a result, the Construction Management Plus (CM Plus) service that we provide is the knowledge, experience, and enthusiasm to lead collaborative teams that deliver smarter, resource-efficient solutions for communities across California.

### *A selection of local clients that have retained us for multiple projects:*

Monterey One Water  
 Pajaro Valley Water Management Agency  
 Sequel Creek Water District  
 City of Watsonville  
 County of Santa Cruz

CM Plus is also about representing our clients' interests, putting the project's needs first – coordinating between the Owner, Designer, Contractor and other Stakeholders - to focus on the common goal of successful project completion. This means that MPWMD will benefit from the objective quality of Psomas' CM Plus services. Our day-to-day activities, decisions and recommendations are always based on "doing what is best for the success of the Project" and we develop a respectful culture that promotes a team atmosphere. This approach is at the core of Psomas' CM Plus services and will provide maximum value for MPWMD.

We certify our financial stability and continued ability to provide services to MPWMD. We would be happy to discuss our financial condition at greater length during contract negotiations for this Project. If you wish, you may speak to Mr. William M. Havens, Relationship Manager at Wells Fargo Bank, to confirm our financial solvency. He may be reached at (626) 585-4361. If you have any specific questions, please contact Nick Tarditti, Psomas Chief Financial Officer, at (310) 703-1373.

### Financial Condition/Strength Statement

Psomas is a well-established, employee-owned corporation with considerable experience in multi-million dollar projects with the strength to sustain multiple projects with fiscally sound management practices. There are no known existing conditions that may impede Psomas' ability to complete MPWMD's Project.

#### PSOMAS Financial ID Numbers\*

- **Federal Tax ID:** 95-2863554
- **Incorporated:** 2/1/1974
- **CA Corporation:** C0705477

*\*Dun & Bradstreet (DUNs) and CCR IDs (CAGE) codes; Standard Industry Classification Codes (SIC); North American Industry Classification System (NAICS); and Business Licenses are available upon request.*

# Relevant Experience

## Recently Completed Projects

This section provides a list of relevant projects that demonstrates our ability and experience managing the successful construction of projects similar in scope and complexity to the Santa Margarita ASR Water Treatment Facility (ASRWTF). The experience we gained managing these projects gives us an excellent understanding of the potential issues that may be encountered during construction of the ASRWTF and how to proactively address them on behalf of MPWMD.

### Injection Wells Phase 2 Project

#### CLIENT

Monterey One Water

#### LOCATION

City of Seaside

#### SIZE

\$9.4 million

#### COMPLETION DATE

2018 - Present (Substantial completion in September 2019)

#### CLIENT NAME AND CONTACT INFORMATION

Maureen Hamilton, Water Resources Engineer  
(831) 842-0191

#### KEY PSOMAS PERSONNEL

Gary Skrel, Melanie Carrido, Larry Clough, Patrick Hughes

#### SUBCONSULTANTS

Beecher Engineering, BACC

#### SERVICE(S) PROVIDED BY PSOMAS

Construction Management and Inspection



#### PROJECT DESCRIPTION

This \$9.4 million project includes the installation of approximately 2,600 linear feet of open-cut pipeline, electrical building construction, percolation basin and deep well, vadose well, and six monitoring wells. SCADA and communication installations at remote sites are also part of the project requiring coordination with partnering agencies including Marina Coast Water District, the City of Seaside, the County of Monterey, and the Fort Ord Redevelopment Agency.

### Blanco Drain and Reclamation Ditch Diversion Facilities

#### CLIENT

Monterey One Water

#### LOCATION

Marina and Salinas

#### SIZE

\$7.3 million

#### COMPLETION DATE(S)

Blanco Drain: 2017 - Present (*Substantial Completion in September 2019*)  
Reclamation Ditch: 2017 - Present (*Substantial Completion in May 2019*)

#### CLIENT NAME AND CONTACT INFORMATION

Tom Kouretas, (831) 883-6178

#### KEY PSOMAS PERSONNEL

Gary Skrel, Melanie Carrido, Larry Clough, Patrick Hughes

#### SUBCONSULTANTS

Beecher Engineering, Pacific Crest Engineering

#### SERVICE(S) PROVIDED BY PSOMAS

Construction Management and Inspection

## PROJECT DESCRIPTION

This \$7.3 million Source Water Diversion Project consists of two pump diversion facilities and pipeline that capture alternative water sources consisting of agricultural fields runoff in Blanco Drain and wash water from industrial food preparation facilities from the City of Salinas Reclamation ditch.

- **Blanco Drain Diversion Pump Station:**  
The Blanco Pump station portion of the Source Water Diversion Project consists of one pump station structure and 8,350 linear feet of pipeline, 600 feet of which was Horizontally Directionally Drilled (HDD) under Salinas River and 7,750 feet of which was installed in farmers' access roads adjacent to crops or in existing operating agency owned facilities.
- **Reclamation Ditch Diversion Pump Station:**  
The pump station consists of a new channel intake and pumping infrastructure that uses existing conveyance infrastructure to deliver flows to M1W's Waste Water Treatment Plant in Marina for agricultural users.



## Recycled Water Storage and Distribution Pump Station Improvements Project



### CLIENT

Pajaro Valley Water Management Agency

### LOCATION

Watsonville

### SIZE

\$4.8 million

### COMPLETION DATE

July 2017

### CLIENT NAME AND CONTACT INFORMATION

Brian Lockwood, General Manager, (831) 722-9292 ext. 26

### KEY PSOMAS PERSONNEL

Gary Skrel, Larry Clough

### SUBCONSULTANTS

Beecher Engineering, Pacific Crest Engineering

### SERVICE(S) PROVIDED BY PSOMAS

Constructability Review, Construction Management and Inspection

### PROJECT DESCRIPTION

The \$4.8 million improvement project provided the Pajaro Valley Water Management Agency (PVWMA) with additional recycled water storage to increase its recycled wastewater supply for agricultural irrigation and improved the efficiency of its treatment and distribution system. The project included construction of a 1.5-million-gallon reinforced concrete tank and upgrades to three (3) 350 Hp pumps at the Distribution Pump Station.

## **Blend Well Pipeline Project**

### **CLIENT**

Pajaro Valley Water Management Agency

### **LOCATION**

Watsonville

### **SIZE**

\$1 million

### **COMPLETION DATE**

April 2016

### **CLIENT NAME AND CONTACT INFORMATION**

Brian Lockwood, General Manager, (831) 722-9292 ext. 26

### **KEY PSOMAS PERSONNEL**

Gary Skrel, Larry Clough

### **SUBCONSULTANTS**

Pacific Crest Engineering

### **SERVICE(S) PROVIDED BY PSOMAS**

Construction Management and Inspection



### **PROJECT DESCRIPTION**

This \$1 million project connected the Pajaro Valley Water Management Agency's (PVWMA) supplemental wells to their existing Recycled Water Coastal Distribution System. The project included 2,800 linear feet of mortar lined and coated welded steel pipe and a static mixing system.



## **K-1 Pipeline Project**

### **CLIENT**

Pajaro Valley Water Management Agency

### **LOCATION**

Watsonville

### **SIZE**

\$1.5 million

### **COMPLETION DATE**

July 2016

### **CLIENT NAME AND CONTACT INFORMATION**

Brian Lockwood, General Manager, (831) 722-9292 ext. 26

### **KEY PSOMAS PERSONNEL**

Gary Skrel, Larry Clough

### **SUBCONSULTANTS**

Pacific Crest Engineering

### **SERVICE(S) PROVIDED BY PSOMAS**

Construction Management and Inspection

### **PROJECT DESCRIPTION**

This \$1.5 million pipeline project was an extension of the Pajaro Valley Water Management Agency's (PVWMA) existing Recycled Water Coastal Distribution System. The project included installation of approximately 6,630 linear feet of HDPE pipeline and appurtenances, including a total of eight turnouts to agricultural fields. The pipeline provides supplemental water to approximately 180 irrigated acres of farmland in Northern Monterey County.



## O'Neill Ranch Well and Water Treatment Plant

### **CLIENT**

Soquel Creek Water District

### **LOCATION**

Capitola

### **SIZE**

\$4.3 million

### **COMPLETION DATE**

October 2015

### **CLIENT NAME AND CONTACT INFORMATION**

Taj Dufour, Engineering Manager, (831) 475-8501 ext. 123

Michael Wilson, Associate Engineer, (831) 475-8501 ext. 122

### **KEY PSOMAS PERSONNEL**

Gary Skrel, Melanie Carrido

### **SUBCONSULTANTS**

Beecher Engineering, BACC

### **SERVICE(S) PROVIDED BY PSOMAS**

Construction Management and Inspection



### **PROJECT DESCRIPTION**

This \$4.3 million project consisted of the construction of a treatment facility creating a potable water source from a newly constructed and developed inland well as part of Soquel Creek Water District's (SqCWD) overall Groundwater and Well Master Plan to fight saltwater intrusion and eliminate reliance on coastal wells. Treatment involved installation of iron and manganese filter systems. Project construction also included 270 linear feet of 12-inch PVC and 1,880 linear feet of 18-inch PVC transmission main, lateral tie-ins and 14 water services.

## Polo Grounds Well and Treatment Facilities

### **CLIENT**

Soquel Creek Water District

### **LOCATION**

Aptos

### **SIZE**

\$2.3 million

### **COMPLETION DATE**

June 2012

### **CLIENT NAME AND CONTACT INFORMATION**

Taj Dufour, Engineering Manager, (831) 475-8501 ext. 123

Michael Wilson, Associate Engineer, (831) 475-8501 ext. 122

### **KEY PSOMAS PERSONNEL**

Gary Skrel, Melanie Carrido

### **SUBCONSULTANTS**

BACC

### **SERVICE(S) PROVIDED BY PSOMAS**

Program and Construction Management



#### **PROJECT DESCRIPTION**

This \$2.3 million project converted the Polo Grounds Well, an existing irrigation well, to a potable water supply through iron and manganese filtering removal process. Similar to the ASR Treatment Facility, this Project added another potable water supply source that supplemented the District's existing water delivery system. The project elements included the removal and replacement of the existing pump and motor, installation of a filtering system, a chemical treatment system, an underground backflow storage tank, associated mechanical, electrical and control systems, and 6,910 linear feet of 8-inch and 10-inch domestic water and sewer pipeline. The project also involved coordination with PG&E to upgrade the existing power source to meet the requirements of the newly constructed treatment plant.

# Team Organization & Experience

Our proposed personnel and subconsultants were chosen because their qualifications align with the specific requirements for the construction of the Aquifer Storage and Recovery Water Treatment Facility (ASRWTF). This CM Team has specialized in similar types of water resource projects for the last twenty-five years for clients in Santa Cruz and Monterey counties. As a result, when it comes to the construction of the ASRWTF, MPWMD will benefit from the Team's understanding of what will be required and what to expect for this project, and how to plan and navigate through project issues efficiently.

An overview of our key personnel and subconsultants is provided below. This is followed by an organization chart. Team member resumes highlighting their experience and qualifications are provided in Appendix A.

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*"What distinguishes Psomas from other CM firms is that you don't just get a Construction Manager, you get a whole company supporting that Construction Manager."* ~ former Union Sanitary District General Manager

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## Key Personnel



### **Melanie Carrido, PE, QSP – Construction Manager**

Melanie Carrido, PE, QSP will act as Construction Manager (CM) and will oversee the CM team and our subconsultants. She brings over 25 years of combined CM and General Contractor experience in pump station, pipeline and treatment plant construction projects. She understands practical application of design intent, proper sequencing and scheduling of construction and when and how to focus the Project Team resources for effective and value drive project management.

In addition to her focus on project costs and day-to-day project schedule, she will be the lead Psomas interface to MPWMD and be responsible for project communication and coordination, inspection planning, contract change order negotiations, and Permit Compliance and Coordination. Melanie has lived and/or worked in the Santa Cruz/Monterey area for the past 20 years. In the last ten years, she has managed the construction of seven pump stations and two water treatment facilities in Santa Cruz and Monterey Counties.



### **Larry Clough, ICC – Lead Inspector**

With over 38 years of experience, Larry is a veteran inspector who sets the standard for proactive field inspection. As Larry has proven time and again, he understands that his role means much more than observing, documenting, and verifying contract conformance of the work as it occurs. Larry applies his experience to stay three steps ahead of the Contractor. Equipped with plans, specifications, approved submittals, RFIs and other technical documents, he confirms what is on paper actually fits in the field and represents the Owner every step of the way. He constantly helps the Contractor move in the right direction and he becomes a trusted ally of the Contractor rather than an adversary.

He will also assist Melanie to guide the Contractor through all phases of system integration, testing, and startup. Larry is a 30-year Salinas resident with 38 years of experience with the installation, inspection and testing of pipelines, pump stations, and treatment facilities. His strengths include mechanical, civil, and

start-up/testing commissioning and integrating new construction with existing plant facilities. He will identify potential issues early and proactively work with the CM team to resolve them efficiently.



### **Gary Skrel, PE – Regional Manager**

Gary Skrel, PE will act in an advisory capacity and provide as-needed project oversight. He brings 40 years of construction management experience to the Team. His focus for MPWMD will be pre-construction assistance, schedule reviews, and claims and delay analysis. He provides advice and hands-on involvement as dictated by the needs of the project. His years of experience allow him to bring a “big picture” approach to conflict resolution issues and a fair and practical approach to all project matters whether they are technical, financial, or personnel related.



### **Patrick Hughes – Office Engineer/Field Engineer**

Similar to the current M1W – Injection Wells Phase 2 Project, Patrick our Office Engineer/Field Engineer will provide project controls and documentation and field support as needed supplementing Melanie’s CM role on a day-to-day basis. Patrick will assist with coordination between Project stakeholders and Contractors and provide additional support to Melanie as needed.

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We have assembled a team with a long and successful track record of working together to manage complex construction projects. Together, we have managed well over a hundred major planned plant interruptions with no violations.

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## **Subconsultants**

The following subconsultants have a proven track record of working on successful projects with Psomas and are vital to building a strong team that will work effectively on MPWMD's Project.



### **Beecher Engineering – Electrical, Instrumentation and Controls**

Psomas will retain Todd Beecher, PE, EE, to provide electrical, instrumentation, and controls (E, I and C) support services. He has over 25 years of experience in the planning, design and construction of electrical power, controls, and instrumentation systems for the water and wastewater industry. Todd has been providing E, I and C services to us for approximately 20 years. He is an invaluable resource when it comes to troubleshooting electrical/mechanical interface, PLC and SCADA operations. In addition to his relevant experience, he is also very familiar with the Project area having been born in Santa Cruz and raised in Salinas.



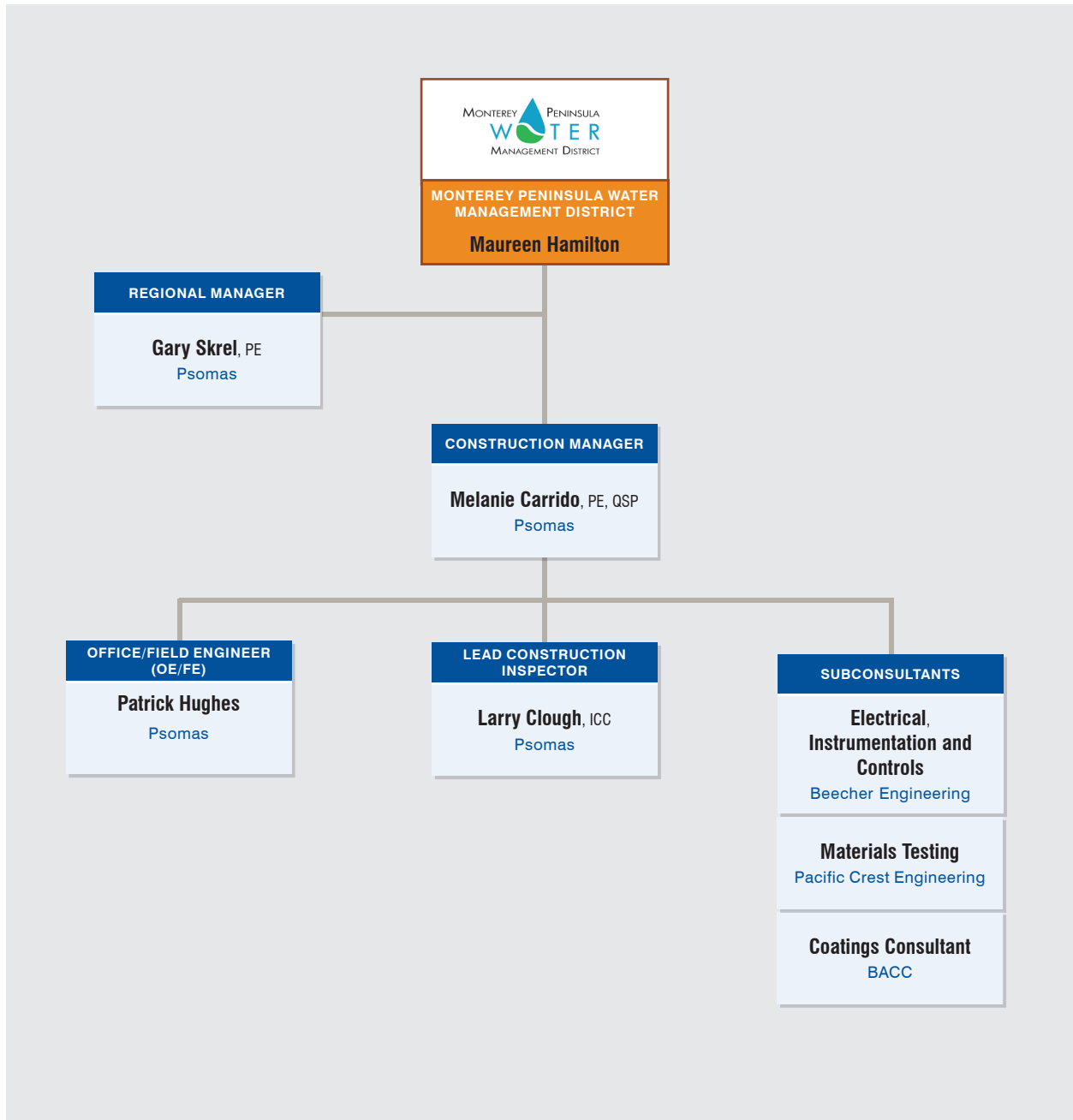
### **Pacific Crest Engineering – Materials Testing**

Psomas will retain Pacific Crest Engineering (Pacific Crest) to perform the materials testing on soils, backfill and concrete. Pacific Crest also has the resources to provide welding inspection if it is required during construction. Pacific Crest is a local firm (Watsonville) providing special inspection services to the public and private section of the Monterey area. They are a certified woman-owned DBE (#41551) and Small Business (#47199) with the State of California. They are also recognized by the Joint Utilities as a certified Women Business Enterprise #15060114.

## Bay Area Coatings Consultants (BACC) – Specialty Coatings Inspection

Psomas has successfully worked with Bay Area Coatings Consultant (BACC) on numerous projects. BACC has been serving the coating and Lining industry for over 28 years. They serve the industry with long-term employees that are NACE Certified inspectors equipped with state-of-the-art inspection equipment in the industry.

## Organization Chart



# Understanding & Approach

The following section provides a description of our understanding of the Project and a discussion of our proposed approach to accomplish the Scope of Work set forth in the RFP.

The Santa Margarita ASRWTF (Project) is evidence of MPWMD's continued long-term commitment to meeting multiple agency and community needs. We understand that this Project is the next phase of an ongoing aquifer storage and recovery program that will be treating stored water to potable standards for Cal-Am's distribution system. This



Project is a vital step in providing a replacement water supply to assist in meeting the State's Cease and Desist Order. Like the M1W Pure Water Program, MPWMD is creatively repurposing existing alternate water sources (excess Carmel River water during the rainy season) and turning the "banked" supply into a supplementary potable water source for the community.

As we understand the Project, the process for achieving the potable element for the ASR water is through a twofold treatment process. The first step is Sodium Hypochloride chlorination and then stabilization with Orthophosphate injection prior to distribution to Cal-Am's customers. Improvements will involve necessary piping connections to existing infrastructure including the Seaside Middle School Facility discharge piping system; ASR Facility injection well system and connection to the Cal-Am distribution system; and a new facility to incorporate the treatment process into the existing ASRWTF. This Project is unique in that it will be converting the existing ASRWTF into a dual function facility. An injection well site for approximately six (6) months depending on rainfall (December to May) and a potable water supply treatment facility the other half of the year (June to November).

Given this dual functionality, we also understand the subsequent co-agency operation of the ASRWTF. MPWMD and Cal-Am share operational responsibilities for the facility depending on injection months versus treatment months. Since the primary function of this facility will be a potable water supply, Cal-Am will be the primary operator of the ASRWTF once it is complete. At this juncture, MPWMD will provide the Project Management and financing for the ASRWTF.

## Understanding of MPWMD's Needs

The Project will be in the public bidding process soon with Award of Contract planned for September. Concurrently, the District is in the process of selecting a CM firm to guide the Project's success through a short turn-key duration of eight (8) months. MPWMD is seeking a CM firm that will first and foremost keep the Project on schedule for a June 1, 2020 delivery and secondly provide contract administration and inspection that is cost effective.

Specifically, for the construction of the Project, the right CM team serving MPWMD will turn the inevitable construction challenges into successes. Given our experience at the current M1W Injection Wells Phase 2 Project, we have demonstrated we have the CM team that can best serve MPWMD for the construction of their new ASRWTF.



## Understanding of Cal-Am’s Needs

We understand the driver for this Project is the requirement that Cal-Am eliminate diversion of water from the Carmel River for their potable water supply. Therefore, conversion of MPWMD’s ASRWTF into a potable water source by June 1, 2020 is a “must”.

In addition to an on-time delivery, flexibility of the new treatment systems is very important. Cal-Am’s water portfolio will need to grow as the demand for potable water increases in the area. The ASRWTF will provide the flexibility for future well source water and the subsequent treatment.

Dependability of the ASR Facility as a reliable potable water source is also key for Cal-Am’s ability to consistently provide their customers with quality water. The Psomas CM Team will maintain a high level of quality assurance for the ASRWTF installations for long term facility performance.

With an understanding of both MPWMD’s and Cal-Am’s goals for the ASRWTF, we are equipped to navigate the Project through its various challenges to a successful completion. A few of the challenges that we foresee for the Project and our subsequent approach for addressing them are listed below:

## Integration of new construction into an existing operating facility

There are both mechanical and electrical integration elements that will need to be coordinated effectively.

### Electrical Integration – Power and Controls

The Psomas CM Team along with Beecher Engineering have a proven track record of proactively identifying potential issues that may have significant cost or time impacts. For example, does the existing motor control center have adequate space for the new equipment? Are the new main bus or circuit breaker components compatible with the facility’s existing system? Addressing these types of issues early and promptly with the designer and contractor in a professional and respectful manner is our team’s standard CM approach. This is a simple example of the added value we consistently provide our clients.



### Protection of Existing Utilities

Confirming existing underground utility locations and underground infrastructure will be another challenge with potential risks and costs associated with them. Potholing well in advance of the work is highly recommended to confirm existing utility elevations and account for any adjustments

in design. In addition, special care will be required working around the high voltage 21kV electrical service PGE clearance requirements between the new discharge piping and the existing electrical service may impact design. If necessary, coordination with PGE or MPWMD operations may be required.

### System shutdowns

Integrating new construction into an operating facility is challenging. Through effective communication and thorough planning well in advance the work, Psomas can guide contractors through seamless shutdowns. We understand that minimizing disruptions to MPWMD and Cal-Am's system are important. Therefore, prior to the work we have all involved parties develop a detailed shutdown/tie-in plan with several "back-up" plans for any contingencies or delays to work during the shutdown.

### Potential Delays

Long Lead Items – As part of our CM Team's approach, we will be focusing on the timely submittal and approval of long lead items such as valves, electrical equipment, and pumps. These items can typically take up to three to six months after approval, and with a eight (8) month project, any delays in procurement could potentially delay the Project. We recommend that MPWMD consider the pre-purchase of pumps and/or valves to mitigate this potential impact to the June 1, 2020 delivery date.

## **Psomas is Construction Management Plus**

We have the team that is best suited for managing MPWMD's ASRWTF. Our Team is local, familiar with working in the Seaside area and on FORA property. This knowledge and experience are based on our management of M1W Injection Wells Phase 2 Project and the commitment of our team members to protect resources for the communities we serve.

The Construction Management Plus (**CM Plus**) service that we provide is the knowledge, experience, and enthusiasm to lead collaborative teams that deliver smarter, resource efficient solutions for our clients.

We represent our clients' interests, putting the project's needs first — coordinating between the designer, contractor and other stakeholders to focus on the common goal of successful construction completion. This means that MPWMD will benefit from the objective quality of Psomas's CM Plus Services. Our day-to-day activities, decisions and recommendations are always based on "doing what is best for the Project", and we develop a project culture that promotes a team atmosphere. This approach is at the core of Psomas's CM Plus service and provides maximum value for MPWMD.

The following section provides a more detailed description of the day to day CM services that we are currently providing M1W and will provide MPWMD if selected.

### Pre-Construction Phase

During Pre-Construction, we will efficiently prepare all team members for the upcoming construction:

- As Team Leader within the Psomas CM Division and Regional Manager of the Northern California Walnut Creek Office, Gary will provide technical advisory services and will provide access to supplementary resources within Psomas, if needed.
- The entire CM team will perform a comprehensive review of all Project documents and site constraints.
- Psomas will assist MPWMD with community outreach to present and discuss the potential construction impacts. This will include preparation and distribution of outreach materials.
- Pre-Construction Conference – Melanie will lead the Pre-Construction Conference.

She will initiate, coordinate, facilitate and document the Pre-Construction Conference with MPWMD, the Contractor and all other Stakeholders. The Pre-Construction Conference is our opportunity to establish partnering relationships with all participants. We emphasize the importance of communication protocol and keeping the Psomas CM team as the "hub" for all project correspondence and discussions.



## Construction Phase - Contract Administration

Proactively identifying and resolving issues in all aspects of Construction Administration is how the Psomas CM Team approaches our CM services. Examples of our CM approach to resolving them are highlighted on the following pages.

### Schedule Review and Analysis

Gary and Melanie will meet with the Contractor after reviewing the Contractor's preliminary schedule and will assist with the development of their Baseline Schedule to provide sequencing recommendations to best meet Contractual milestones and constraints. We understand the importance of the development of an acceptable and realistic Baseline Schedule. The accepted Baseline Schedule will provide the road map for construction activities and will be the datum for all future updates and delay analysis. Given that construction is a dynamic process, Schedule Updates produced by the Contractor will be reviewed by Psomas with a focus on accurate presentation of as-built dates and durations as well as incorporation of any changes to Contractor sequencing.

ID	Description	Start	End	Duration	Other Metrics
1000	CONTRACT ADMINISTRATION AND SERVICES				
1001	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1002	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1003	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1004	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1005	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1006	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1007	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1008	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1009	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1010	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1011	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1012	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1013	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1016	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1017	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1019	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1029	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1030	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1031	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1032	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1033	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1034	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1036	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1039	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1059	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1060	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1061	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1062	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1063	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1064	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1065	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1066	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1067	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1068	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1069	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1070	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1072	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1073	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1074	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1075	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1078	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1079	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1080	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1081	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1082	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1083	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1086	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1087	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
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1089	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1090	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1091	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1092	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1093	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1094	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1095	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1096	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1097	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1098	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1099	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	
1100	CONTRACT ADMINISTRATION AND SERVICES	10/1/2018	10/1/2018	1	

### Project Cost Control

Psomas understands that maintaining budget is a key factor for Project success. We achieve that through monthly monitoring of Contract expenditures and efficiently addressing, negotiating and processing changes in a timely fashion.

**Progress Payments:** At the beginning of the Project, Psomas will review and approve the Contractor's Schedule of Values to provide the basis for monthly Progress Payments. Psomas can assist MPWMD in projecting cash flow need throughout the duration of the Project based on the Contractor's schedule and monthly Progress Payments.

Every month, Psomas inspection staff will work with the Contractor to compare current Progress with invoiced amount and will revise accordingly. Patrick will then finalize quantities and monthly costs for billing purposes working with MPWMD's accounting department for proper format and processing. Melanie will provide oversight of each billing to confirm accuracy and overall Project budget status monitoring.

**Change Order Management:** Changes are an accepted reality of the construction process. After determining the merit of extra work items, our CM team will partner with the Contractor and Owner to resolve and finalize changes with MPWMD's General Conditions and the Contract, utilizing either negotiated lump sum forward priced changes or through a Force Account basis.

For lump sum negotiated changes, Melanie will prepare timely independent cost estimates as a basis for Contractor cost proposal review and negotiations. Pertinent backup information, brief description of reason for the change and documentation of negotiation process will accompany all change orders for MPWMD's approval process.

For changes that need to be implemented within shorter time frames to minimize schedule delays, Melanie will provide Field Instructions to the Contractor to proceed on a Force Account (time and material) basis. Our field staff will diligently document and come to agreement on extra work labor, equipment and materials daily. This approach will streamline review of submitted costs for daily extra work and allow for efficient finalizing of change orders.



As part of change management, our CM Team will also work with the Designer, WR&D, to provide clear direction to the Contractor to any Owner required or initiated changes. Design clarifications and subsequent Requests for Quotes (RFQ's) will be generated and tracked by Psomas for pricing. Cost proposals will then be reviewed.

**Design Clarifications:** As part of change management, our CM Team will also work with the Designer, WR&D, to provide clear direction to the Contractor to any Owner required or initiated changes. Design clarifications and subsequent Requests for Quotes (RFQs) will be generated and tracked by Psomas for pricing. Cost proposals will then be reviewed.

### Progress Meetings

Melanie will be organizing, coordinating, and running weekly progress meetings as part of the necessary communication for keeping the projects on track and identifying and addressing any delays or cost issues for early and prompt resolution. Records of discussions for progress meetings and pertinent field coordination meetings will be prepared and retained as part of Project documentation.

### Establishing and Maintaining Permit Agency Requirements

We will assist the MPWMD in maintaining compliance with SWCP and SWPPP requirements including maintenance of existing on-site BMPs and soil and stockpile management. Beyond the mechanics of submittal processing, Psomas provides the preliminary review to streamline the review process and minimize re-submittals. We also focus on critical submittals and expedite those materials and/or equipment submittals that have long lead times for procurement or other potential impacts to the Project Schedule.

### Project Document Control

Psomas will utilize ProCore, a cloud based Project document control system that will streamline the communication and documentation process as part of our Contract Administration function. Psomas has been using Procore, since their early development years in 2012 and helped grow and modify their system specifically for CM utilization.

- We will add Project participants to the Procore directory for early Project communications and documentation and provide one-on-one tutorials as needed.
- All project documentation and communications will be centrally and electronically archived within PROCORE and provided to MPWMD at the end of the Project via USB drive as part of Project Closeout.
- Submittal Processing Submittal Processing: Patrick will be the primary person on the CM Team reviewing Contractor submittals for completeness and general conformance prior to forwarding to the Designer, MPWMD, and Cal-Am for review and approval.

### **Procore Advantage**

- ☑ We are well versed in Procore.
- ☑ ProCore is a cloud-based document tracking program that is the construction industry's leading, most versatile software that Contractors, Owners, and CMs use for efficient communication and project related Contract Administration.
- ☑ Psomas has been using Procore since 2012, so our CM team is very familiar with the platform.
- ☑ As a benefit to MPWMD, we will provide tutorials as needed to all Project participants (Contractor, Owner, Designer) to facilitate efficient and timely collaboration.

### Submittal Processing

Patrick will be the primary person on the CM Team reviewing Contractor submittals for completeness and general conformance prior to forwarding to the Designer, MPWMD, and Cal-Am for review and approval.

### Submittal/Procurement Challenge

The ASRWTF long lead items such as pumps, valves and electrical and control equipment, will be important to a June 1, 2020 project delivery date. Therefore, focusing on time sensitive submittals affecting the Contractor’s ability to perform within Contractual timelines will be key to achieving Project success.

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CM Plus Approach – Focus on achieving early submittal approval of the Contractor’s dewatering/by-pass pumping plans, excavation/shoring plans and long lead equipment. We will work with the Contractor to identify long lead procurement items and focus on coordination meetings with the supplier/designer to minimize re-submittals particularly for any materials or equipment required for the Salinas IWWTF or for the new Pond 3 that may affect start-up and testing of the diversion pump station (pumps, motors, MCCs VFDs, etc.)

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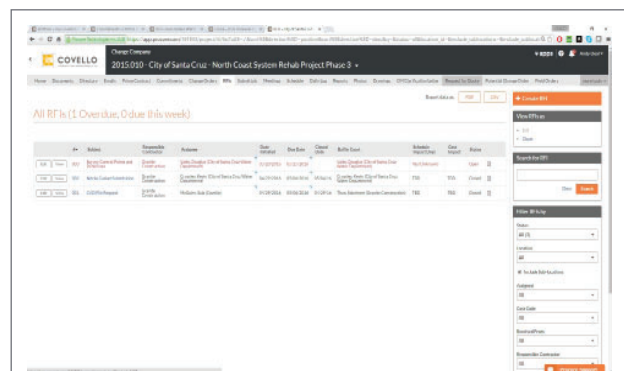
### RFI Processing

Communication is key when seeking clarification of field applications and installations as it relates to design intent. This typically occurs during the Request for Information (RFI) process. During this important process, the CM Team will make sure the question or issue is fully understood, reviewed and clearly expressed. Like the Submittal vetting process, Psomas will 1) determine if the answer to the question is already addressed within the Project Documents and 2) meet with the Contractor to help clarify the RFI, and 3) provide the best practical solution as an option as part of the RFI. This approach is another example of proactively helping the Project move forward efficiently while utilizing the strengths of all members of the Project Team.

### CM RFIs

This is also an area where Psomas provides added value to the Project, by seeking clarifications directly with WR&D. We will identify “show stopper” issues that could substantially impact overall Project delivery in advance.

As an example, PGE related questions and coordination is where this approach has benefitted both the Source Water Projects and the Injection Wells Phase 2 Project.



### Property Agreements and Respecting

Relationships: Based on the numerous entities MPWMD has worked with for the current M1W – Injection Wells Phase 2 Project, the Seaside Middle School ASR Site and the pending Fitch Facility, we understand the importance of adhering to established agreements and promoting a positive experience during construction for partnering with the City of Seaside, FORA, Cal-Am and the residents of Seaside.

Consistent communication will be key to achieving this goal as well as determining how best to minimize impact of construction activities to City of Seaside, GJMB and property owners close to planned construction.

### Property Agreements and Respecting Relationships

Based on the numerous entities MPWMD has worked with for the current M1W – Injection Wells Phase 2 Project, the Seaside Middle School ASR Site and the pending Fitch Facility, we understand the importance of adhering to established agreements and promoting a positive experience during construction for partnering with the City of Seaside, FORA, Cal-Am and the residents of Seaside.

Consistent communication will be key to achieving this goal as well as determining how best to minimize impact of construction activities to City of Seaside, GJMB and property owners close to planned construction.

### MPWMD Santa Margarita ASR Facility Operations

Minimizing impacts and eliminating unplanned disruptions to the MPWMD's ASR Facility operations will be important throughout construction. Psomas will make sure the Contractor's planned work is compliant with ASR Facility hours of operation and will not disrupt MPWMD's day to day activities. Psomas will also initiate coordination meetings and Process Interruption Form (PIF) discussions with Operations and Engineering personnel as applicable and appropriate. Temporary bypass plans, as-needed or if appropriate, will be thoroughly reviewed and vetted prior to shutdowns and/or tie-ins. This advanced attention and developing contingency plans with the Contractor's crews and Agency Operations is key for implementing problem free shutdowns for the 30-inch Middle School Connection, 30-inch GJMB Cal-Am distribution and ASR Well Piping.

### Safety

Safety is the highest priority. A successful project is a safe project, which protects all people either directly or indirectly involved with the construction process. Psomas will reinforce the importance of Contractor compliance with CalOSHA safety standards and Contractor implementation of their own IIPP for protection of their personnel during construction.

We will verify that all project participants are trained in MPWMD's, CalAm and FORA safety guidelines and protocol for any work occurring on either agency's property, including Lockout/ Tagout (LOTO) procedures. We will also verify that any work impacting the public are clearly delineated by the Contractor with proper signage and adequately protected work zones.

### Construction Inspection

Our field and inspection staff provide timely, accurate daily site observations with a focus on delivering quality construction, minimizing Contractor rework and identifying potential concerns that may affect time or costs to the Project. Examples of what our inspectors and field staff implement daily as part of construction observation include:

- Quality Assurance for contract compliance and monitoring for adherence to industry standards across all disciplines – civil, structural, mechanical and electrical.
- Providing prompt notification to the Contractor for correction and minimal cost and time impact.
- Understanding Contractor's production expectations which translates to efficiency in materials testing coordination and costs as well as preventing delays to Contractor's scheduled activities.
- Streamlining Project closeout and acceptance by preparing Corrective Work Items lists early on and prior to the Punchlist, so items can be addressed while Contractor resources are readily available and segments of work can be accepted for beneficial use.
- Record Drawing maintenance will also be verified on a regular basis to facilitate timely submission during Project Closeout.

### Quality Control (QC)/Quality Assurance (QA) Challenge - Treatment Facilities

We understand the importance of quality installation as it relates to the long-term performance of a reliable, sustainable potable water supply source.

Our materials testing subconsultant, Pacific Crest Engineering, will provide quality assurance for trench backfill material and compaction operations.

Systematic detailed documentation of all pipe tests conducted in accordance with Contract requirements will be provided for future reference and utilized as other components of the Project are brought on-line.

#### Operational and System Integration

We will work with MPWMD and Cal-Am Operations staff to integrate new control systems for the treatment facilities with their existing systems at the plant for reliable, remote operation.

We will also review PG&E 21kV primary power to the site to identify any potential coordination or design modification issues. Our CM team will guide and provide a systematic approach for start-up and testing of the pumping facilities from functional testing of individual mechanical and electrical components, through to system and operational testing.

#### Post Substantial Completion

The Psomas CM team will guide the Project to Final Completion utilizing the same efficient approach for Punchlist preparation and identifying other activities required to achieve Final Completion and Acceptance. We will confirm that Project Closeout documentation submitted by the Contractor is complete, including Warranty Forms, O&Ms and Record Drawings.

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CM Plus Approach (Proactive Project Management) – Our CM team excels at providing practical, timely recommendations for any construction or design conflict issues that may arise. When making recommendations for solutions, we focus on options that are best for the Project. This approach is practiced in the field through Submittals, RFIs, CM RFIs, etc., as well as in ad hoc field meetings when necessary.

In addition, our field engineering team is trained to identify potential issues ahead of time in order to prevent or mitigate activities before they become issues. Given our experience on similar projects, the CM team will bring all their lessons learned to avoid issues and deliver timely success.

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### **Consultant Written and Signed Statement**

According to the requirement of the RFP we are providing this written and signed statement which confirms that our proposal is intended to be inclusive of all elements necessary to complete the described work.



Gary Skrel, PE  
Regional Manager



Melanie Carrido, PE; QSPP  
Construction Manager

# Project Life Coverage Plan

The CM Team that is currently managing the Monterey One Water (M1W) Injection Wells Project – Phase 2, will support the Santa Margarita ASRWTF (Project) in the same manner. Psomas plans to provide CM services that are flexible and cost effective by providing the appropriate resources that match the level of activity and timing of activities for the ASRWTF. We understand that field work will fluctuate depending on the Contractor’s schedule and sequencing. As a result, Psomas’ primary CM team members, Melanie and Patrick, with as-needed key inspection support by Larry, will be prudent with their presence on site providing the oversight required for quality assurance and project management support on an as-needed basis to keep the Project moving forward and addressing issues in a timely manner.

Melanie will allocate appropriate resources including assistance from other Psomas staff and/or subconsultants as dictated by activities and issues. Melanie will be the lead CM for the Project and Patrick will be the Office Engineer/Field Engineer performing the role that he has provided on several previous projects. Larry will provide structural/building inspection reinforcing Patrick’s field observation, on an as-needed basis, for other critical civil or mechanical elements.

The dynamic nature of the Project’s schedule requires the CM Team to be flexible, which Melanie, Patrick and Larry have exemplified thus far for the concurrent “bookend” M1W Pure Water Program Projects: the Injection Wells Phase 2 Project and the Blanco and Reclamation Ditch Diversion Facility Projects. Melanie’s participation will average approximately 1/4 time throughout the Project. Larry and Patrick will be providing combined part-time 1/4 time support as-needed in the Fall of 2019 and focused 1/2 time support for pipe and building construction in 2020.

## Psomas CM Proposal for the Santa Margarita ASR Treatment Facility Chlorine Project

Psomas’ local CM Team possesses a proven track record and established working relationships with both internal and external stakeholders. This is best evidenced by the current services being provided to M1W. In this regard, MPWMD may have a question regarding our current workload and how it affects our availability to manage this Project.

Our response is straightforward and simple. We can manage MPWMD with flexible resources on an as-needed basis and as dictated by activities on site because we are currently supporting a few local projects in the area with a similar "on-call" and as-needed basis. For example, Larry will be providing part-time inspection support for M1W’s Salinas Stormwater Phase 1B Project with a similar project duration as MPWMD’s ASRWTF project. Melanie is assisting M1W’s in-house PM, Tom Kouretas, with CM advisory support on an as-needed basis as well.

With multiple ongoing projects and varying construction activities over time, we have the ability and flexibility to deploy additional on-call support when needed. Similarly, we will scale back as required to meet the construction needs and respect MPWMD’s budget constraints. The versatility, capabilities, and excellent communication skills of each of our CM Team members allows us to capitalize on the strengths of Psomas’ professionals and our subconsultants to support the Project dynamically, seamlessly, and cost efficiently.

Our proposed team has the range of experience and the practical field knowledge to match our level of aptitude with our can-do attitude. Our team (Psomas and subconsultants) have been working together consistently for many years, building on their shared knowledge base and reinforcing the partnering approach inherent in CM Plus – excellent timely communication and a unified team for project success.

## Level of Effort

Our proposed team members are all available to meet the current construction schedule forecast. The Project constraints require a CM staffing plan that is dynamic to meet the construction activities. The following table shows the number of hours required to complete the project by our Team over the course of the project beginning in September 2019 through project close-out in July 2010.

Please note that we have included an allowance for Gary Skrel in-lieu of labor hours as part of our separately submitted Price Proposal. You will also notice that the table does not include allocations for our subconsultants – Pacific Crest Engineering, Beecher Engineering, and BACC - as their precise level effort is dependent on the level of services needed at the time of the project and difficult to anticipate ahead of time.

Psomas Labor Description		Labor Forecast (hours)	2019				2010						
Title	Proposed Staff		Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Principal/Project Manager	G. Skrel	allowance											
Construction Manager	M. Carrido	376	16	36	36	36	36	40	40	40	40	40	16
Office/Field Engineer	P. Hughes	400		40	40	40	40	40	40	40	40	40	40
Lead Inspector	L. Clough	196		4	4	4	4	12	24	56	56	32	-
<b>Psomas Labor Subtotal</b>		<b>972</b>	<b>16</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>92</b>	<b>104</b>	<b>136</b>	<b>136</b>	<b>112</b>	<b>56</b>

# Litigation History

In the last 5 years, there has been no litigation or termination for default related to Psomas' Construction Management Division. Upon request, we will be happy to provide litigation information related to any other Psomas divisions.



# Insurance and Contract

We have reviewed the Sample Agreement attached as Exhibit 1 of the RFP. Our comments regarding the terms are shown in the Agreement included in Appendix B.

# APPENDICES

# APPENDIX A | Resumes

# Melanie Carrido, PE, QSP

## Construction Manager



### REGISTRATION

1996/CA/Civil Engineer/#54881

### EDUCATION

BS/Civil Engineering/University of California, Berkeley

### CERTIFICATIONS

SWPPP Practitioner QSP/California Stormwater Quality Association

### TRAINING

Competent Person Trained  
Confined Space  
CPR/First Aid  
Supervisor- Safety Training

### EXPERIENCE

Psomas: 9 years  
Pre-Psomas: 20 years (10 years Contractor PM, 10 years CM)

Ms. Carrido is a registered civil engineer with over 25 years of construction management and engineering experience working on water resource and bridge/roadway and storm damage repair projects. Ms. Carrido has both Construction Management and General Contracting experience on over 20 local public and private works projects for Santa Cruz County Sanitation District, Santa Cruz County, Caltrans, Monterey One Water, City of Watsonville, MCWD, PVWMA, City of Santa Cruz, SVWD, Central Water District and SqCWD. Ms. Carrido has an extensive practical construction knowledge and is an excellent communicator who understands the complexities of building challenging public and private projects.

### Experience

**Blanco Drain and Reclamation Ditch Diversion Facilities, Marina and Salinas, CA:** Construction Manager for M1W's \$7.3M Alternate Source Water Diversion Project. The Project consists of two pumping diversion facilities, 8,350 linear feet of pipeline and related tower and standpipe repeater station antennae towers and SCADA controls. The Project captures alternative water sources consisting of farmers' fields tile runoff from Blanco Drain in Marina and Industrial Wastewater from the Reclamation Ditch located in the City of Salinas.

**Injection Wells Phase 2 Project, Monterey, CA:** Construction Manager for this \$9.4M Project managing the CM Team ground replenishment Project which provides the final "book end" for Pure Water Program. Construction of Deep Injection Well, Vadose Well, and six monitoring wells; 3,000 linear feet of pipeline, electrical building construction, well pump appurtenance and electrical and SCADA control installations at three sites.

**O'Neill Ranch Well And Treatment Plant, Capitola, CA:** Construction Manager for this \$4.3 million project consisting of the construction of a treatment facility creating a potable water source from a newly constructed and developed inland well as part of Soquel Creek Water District's (SqCWD) overall Groundwater and Well Master Plan to fight saltwater intrusion and eliminate reliance on coastal wells. Treatment involved installation of iron and manganese filter systems. Project construction also included 270 linear feet of 12-inch PVC and 1,880 linear feet of 18-inch PVC transmission main, lateral tie-ins and 14 water services.

**Polo Grounds Well and Treatment Facilities, Aptos, CA:** Construction Manager for this \$2.3 million project which converted the Polo Grounds Well, an existing irrigation well, to a potable water supply through iron and manganese filtering removal process. Similar to the ASR Treatment Facility, this Project added another potable water supply source that supplemented the District's existing water delivery system.

# Gary Skrel, PE

Regional Manager



## REGISTRATION

1987/CA/Professional Engineer/  
Civil/#43547

## EDUCATION

BS/Civil Engineering/University of  
Michigan

## PROFESSIONAL AFFILIATIONS

Association of California Water  
Agencies

American Water Works  
Association

Bay Area Water Works Association

Bay Planning Coalition

Construction Management  
Association of America

City of Walnut Creek

City of Walnut Creek

Central Contra Costa Solid Waste  
Authority

Construction Management  
Association of America

Construction Management  
Association of America

## TRAINING

Competent Person Trained

Confined Space

CPR/First Aid

Supervisor- Safety Training

## EXPERIENCE

Psomas: 25 years

Pre-Psomas: 15 years

Gary has worked in the engineering profession with an emphasis in construction since 1979. He has experience in dispute resolution and claims analysis, scheduling, construction management, program management, project management and design of public water resources facilities for various municipal agencies.

## Experience

**Injection Wells Phase 2 Project, Monterey, CA:** Principal-in-Charge (PIC) for this \$9.4M project managing the ground replenishment Project which provides the final “book end” for Pure Water Program. Construction of Deep Injection Well, Vadose Well, and six monitoring wells; 3,000 linear feet of pipeline, electrical building construction, well pump appurtenance and electrical and SCADA control installations at three sites.

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## Recycled Water Storage and Distribution Pump Station Improvements Project, Watsonville, CA:

Principal-in-Charge for the \$4.8 million improvement project providing the Pajaro Valley Water Management Agency (PVWMA) with additional recycled water storage to increase its recycled wastewater supply for agricultural irrigation and improved the efficiency of its treatment and distribution system. The project included construction of a 1.5-million-gallon reinforced concrete tank and upgrades to three (3) 350 Hp pumps at the Distribution Pump Station.

**Blend Well Pipeline Project, Watsonville, CA:** Principal-in-Charge for this \$1 million project connecting the Pajaro Valley Water Management Agency's (PVWMA) supplemental wells to their existing Recycled Water Coastal Distribution System. The project included 2,800 linear feet of mortar lined and coated welded steel pipe and a static mixing system.

**K-1 Pipeline Project, Watsonville, CA:** Principal-in-Charge for this \$1.5 million pipeline project that was an extension of the Pajaro Valley Water Management Agency's (PVWMA) existing Recycled Water Coastal Distribution System. The project included installation of approximately 6,630 linear feet of HDPE pipeline and appurtenances, including a total of eight turnouts to agricultural fields. The pipeline provides supplemental water to approximately 180 irrigated acres of farmland in Northern Monterey County.

**O'Neill Ranch Well And Treatment Plant, Capitola, CA:** Principal-in-Charge for this \$4.3 million project consisting of the construction of a treatment facility creating a potable water source from a newly constructed and developed inland well as part of Soquel Creek Water District's (SqCWD) overall Groundwater and Well Master Plan to fight saltwater intrusion and eliminate reliance on coastal wells. Treatment involved installation of iron and manganese filter systems. Project construction also included 270 linear feet of 12-inch PVC and 1,880 linear feet of 18-inch PVC transmission main, lateral tie-ins and 14 water services.

**Polo Grounds Well and Treatment Facilities, Aptos, CA:** Principal-in-Charge for this \$2.3 million project which converted the Polo Grounds Well, an existing irrigation well, to a potable water supply through iron and manganese filtering removal process. Similar to the ASR Treatment Facility, this Project added another potable water supply source that supplemented the District's existing water delivery system.

**Non-Potable Storage Tank - Construction Management Services - P14755, Brentwood, CA:** Principal-in-Charge for this \$8.1 million project. The project constructed a 3.0 MGD non-potable storage facility for recycled water, including appurtenances and associated improvements such as a Recycled Water Pump Station and a new Electrical and Instrumentation Building. This storage facility is critical to buffer the daily cyclical difference between recycled water supply and demand.

**Del Valle WTP Ozonation Project, Livermore, CA:** Principal-in-Charge for this \$34.3 million project. The Project constructs a new ozone facility that includes an ozone generation building and ozone generators, a concrete ozone contactor structure(s) with fine bubble diffusion and stainless steel piping. The project also includes modifications to existing filters including air scour addition, gravel-less underdrains retrofit, concrete rehabilitation/coating and new media configuration. Upgrades will also be made to the electrical facilities and standby generator. A new carbon dioxide and LOX systems and modifications to existing chemical systems as necessary for the new ozone facility, and associated piping and connections to the existing facilities.

**North Coast System Rehabilitation - Phase 3, Santa Cruz, CA:** Principal-in-Charge for this \$4.3M raw water main replacement project. The Project replaced 16,500 linear feet of fusible PVC and PVC main transmission that spans three miles within State Parks and Caltrans Right-of-Way (ROW). She is well versed in public agency ROW issues, farmer coordination concerns as well as environmental constraints and the critical relationship building skills required for State and Regional cooperation key to Project success.

**Patterson Pass WTP Upgrades and Ozonation Project, Livermore, CA:** Principal-in-Charge for this \$76 million project. The Project will improve treated water quality by replacing aging equipment. It will increase treated water storage capacity and will double the plant's production capacity to 24 million gallons a day (mgd). The project will also add new ozonation facilities, replace the existing ultrafiltration (UF) membrane filters with six new conventional filters. There will also add a new five million gallon (mg) treated water storage tank.

# Larry Clough, ICC

## Lead Construction Inspector



### EDUCATION

/Coursework/Programmable Logic Controllers Concepts I/Hartnell College

/Coursework/Controllers Analog Concepts/Hartnell College

/Coursework/Water Technology Program/Hartnell College

### CERTIFICATIONS

Reinforced Concrete Special Inspector/International Code Council

### PROFESSIONAL AFFILIATIONS

California Water Environment Association

### TRAINING

ACI - Concrete Field Testing Technician Grade I American Concrete Institute

Competent Person Trained

Confined Space

CPR/First Aid

ICC - Reinforced Concrete Special Inspector Associate International Code Council

Supervisor- Safety Training

### EXPERIENCE

Psomas for 17 years; with other firms for

Larry has worked in the construction industry since 1978. Larry is Psomas' veteran and lead inspector who serves as mentor and example to all of our inspection staff. He has extensive real world practical knowledge culled from decades of inspection experience on a variety of construction projects including pump stations, pipelines, tanks, and treatment facilities. In addition, he has experience in soils, concrete, reinforcement, and asphalt placement. Larry has also provided numerous clients throughout the Monterey/Santa Cruz area and Greater Bay Area startup and testing expertise, acting as lead inspector responsible for the scheduling and sequencing of startup, commissioning, and operational testing of equipment and SCADA Systems on numerous wastewater and water distribution and treatment facilities.

### Experience

#### **Blanco Drain and Reclamation Ditch Diversion Facilities, Marina and Salinas, CA:**

Staff Team for M1W's \$7.3M Alternate Source Water Diversion Project. The Project consists of two pumping diversion facilities, 8,350 linear feet of pipeline and related tower and standpipe repeater station antennae towers and SCADA controls. The Project captures alternative water sources consisting of farmers' fields tile runoff from Blanco Drain in Marina and Industrial Wastewater from the Reclamation Ditch located in the City of Salinas.

#### **Injection Wells Phase 2 Project, Monterey, CA:**

Staff Team for this \$9.4M Project; managing the proposed CM Team ground replenishment Project which provides the final "book end" for Pure Water Program. Construction of Deep Injection Well, Vadose Well, and six monitoring wells; 3,000 linear feet of pipeline, electrical building construction, well pump appurtenance and electrical and SCADA control installations at three sites.

#### **Recycled Water Storage & Distribution Pump Station Improvements, Watsonville, CA:**

Staff Team for this \$4.9M Recycled Water Storage and Distribution Pump Station Improvements Project. Improvements provided additional recycled water storage for PVWMA, which increased their recycled wastewater supply to their customers by 750 acre feet per year and improved efficiency of their treatment and distribution system. It included construction of a 1.5 million gallon, cast-in-place concrete storage tank, associated 20-inch welded steel piping, and the replacement of existing 500 Hp pumps and the addition of new distribution pumps for higher system efficiency.

#### **Soquel Pump Station Force Main Replacement, Soquel, CA:**

Staff Team for this \$3M force main and pump station improvements project that involved 1,150 linear feet of 24-inch force main replacement and odor control and mechanical/electrical improvements to an existing pump station.

#### **Wastewater Treatment Plant Upgrade, Construction Management Services, Paso Robles, CA:**

Staff Team for this \$36.4M plant upgrade. The Project constructed a new headworks, rehabilitated primary clarifiers, new BNR system, new secondary clarifiers, chloramination disinfection, effluent polishing channel, DAFT, cogeneration system, new plant SCADA system, new 12kV service, and new operations building.

Larry Clough, ICC  
(Continued)

**DERWA Recycled Water Treatment Facilities - Phase 2 (CIP 16-R014), Pleasanton, CA:** Construction Inspector for this \$18.2 million project that produces irrigation water for the tri-valley. The project expanded the existing recycled water treatment facility's capacity from 9.7 to 16.2 mgd. The existing facility consists of a tertiary influent pump station, tertiary influent screening, rapid mix facilities, flocculation basins, tertiary filters, ultra violet disinfection, and pump station R1, which pumps the treated water to the distribution system.

**North Coast System Rehabilitation - Phase 3, Santa Cruz, CA:** Staff Team for this \$4.3M raw water main replacement project. The Project replaced 16,500 linear feet of fusible PVC and PVC main transmission that spans three miles within State Parks and Caltrans Right-of-Way (ROW). She is well versed in public agency ROW issues, farmer coordination concerns as well as environmental constraints and the critical relationship building skills required for State and Regional cooperation key to Project success.



# Patrick Hughs

Office Engineer/Field Engineer



## TRAINING

Confined Space

CPR/First Aid

OSHA 10-Hour Construction  
Course Occupational Safety &  
Health Administration

## EXPERIENCE

Psomas: 2 years

Patrick's experience includes providing Lead Office Engineering and Field Engineering services for recycled water, wastewater and municipal building facilities. For the past year and a half, Patrick has been dedicated to M1W projects, providing Office Engineer/Field Engineer (OE/FE support including RFI, Submittal and Progress Payment Processing via M1W's Procure platform. He has also supported other Psomas water, recycled water and wastewater facility projects in the South Bay and Santa Cruz area. His other relevant project experience includes managing underground gas and telecommunications facilities.

## Experience

**Ianco Drain and Reclamation Ditch Diversion Facilities, Marina and Salinas, CA:** Staff Team for M1W's \$7.3M Alternate Source Water Diversion Project. The Project consists of two pumping diversion facilities, 8,350 linear feet of pipeline and related tower and standpipe repeater station antennae towers and SCADA controls. The Project captures alternative water sources consisting of farmers' fields tile runoff from Blanco Drain in Marina and Industrial Wastewater from the Reclamation Ditch located in the City of Salinas.

**Injection Wells Phase 2 Project, Monterey, CA:** Staff Team for this \$9.4M Project; managing the proposed CM Team ground replenishment Project which provides the final "book end" for Pure Water Program. Construction of Deep Injection Well, Vadose Well, and six monitoring wells; 3,000 linear feet of pipeline, electrical building construction, well pump appurtenance and electrical and SCADA control installations at three sites.

**Recycled Water Storage & Distribution Pump Station Improvements, Watsonville, CA:** Staff Team for this \$4.9M Recycled Water Storage and Distribution Pump Station Improvements Project. Improvements provided additional recycled water storage for PVWMA, which increased their recycled wastewater supply to their customers by 750 acre feet per year and improved efficiency of their treatment and distribution system. It included construction of a 1.5 million gallon, cast-in-place concrete storage tank, associated 20-inch welded steel piping, and the replacement of existing 500 Hp pumps and the addition of new distribution pumps for higher system efficiency.

**IP Well & Development Projects, Scotts Valley, CA:** Staff Team for SVWD's 1440 Multiversity Development and Polo Ranch Subdivision projects. The Project relocated the existing treated and raw water lines, new main installations and service installations; as well as installation of a replacement Pressure Reducing Valve station during a four phased grading/development project by Lennar.

**Anaerobic Digester 4 and F.O.G. Facility (CIP 07-3203), Pleasanton, CA:** Staff Team for this \$7.8 million project. This project is constructing a new 1-million-gallon reinforced concrete tank with roof mounted mixers and methane gas appurtenances, at grade heat exchanger, circulating sludge chopper pump, piping, and associated electrical systems. Also included is the construction of a fats, oils, and grease (FOG) receiving facility that

includes a chopper pump, heat exchanger, 10,000-gallon stainless steel tank, pipe heat tracing and associated electrical and instrumentation. The project requires close coordination with the District's Operations group to minimize operational impacts to the three existing online digesters.

**BDERWA Recycled Water Treatment Facilities - Phase 2 (CIP 16-R014),**

**Pleasanton, CA:** Staff Team for this \$18.2 million project that produces irrigation water for the tri-valley. The project expanded the existing recycled water treatment facility's capacity from 9.7 to 16.2 mgd. The existing facility consists of a tertiary influent pump station, tertiary influent screening, rapid mix facilities, flocculation basins, tertiary filters, ultra violet disinfection, and pump station R1, which pumps the treated water to the distribution system.

**Dublin Trunk Sewer Rehabilitation Project (CIP 16-S021), Dublin, CA:**

Staff Team for this project which included construction of a cured-in-place pipe liner within the existing 33-inch, 36-inch, 39-inch, and 42-inch diameter trunk lines, rehabilitation of existing manholes, temporary bypass pumping, traffic control, pavement repair, and other miscellaneous work as shown and specified including furnishing all labor, materials, equipment, services, temporary controls and construction facilities required to meet all general conditions, general requirements and incidentals to complete the work in its entirety as described in the Contract Documents.

**Water Pollution Control Plant (Primary Treatment Facility, Secondary Treatment & Dewatering, and Administration & Lab Building), Sunnyvale, CA:**

Staff Team for this \$93.8 million Primary Treatment Facility - Package 2 wastewater project. The project includes the construction of a new treatment facility with electrical service, influent pump station, headworks (grit handling/screenings), and primary sedimentation tanks. for this \$6.2 million Primary Treatment Facility - Package 1 project. Work consisted of demolishing the existing sludge Drying Facility (including a drying bed, lagoon, structures, concrete and piping that site on approximately 6.5 acres). This project also includes the bypassing/rerouting of an open storm water channel from the perimeter of the site via three 63-inch diameter High Density Polyethylene (HDPE) pipes, a junction box concrete structure, storm drains, area piping and the import and placement of approximately 90,000 cubic yards of backfill/preload.

# **APPENDIX B | Insurance and Contract**

July 31, 2019

**AGREEMENT BETWEEN THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT AND**

---

**FOR PROFESSIONAL SERVICES TO**

THIS AGREEMENT is entered into this \_\_\_\_ day of \_\_\_\_\_ 2015, by and between \_\_\_\_\_, hereinafter called "Consultant," and the Monterey Peninsula Water Management District, hereinafter called "MPWMD".

SECTION I

SCOPE OF SERVICES

MPWMD hereby engages Consultant for services as set forth in Exhibit A, Scope of Work. Will want to review Exhibit A prior to signing agreement.

SECTION II

COMPENSATION

A. FEE SCHEDULE

Fees payable to Consultant for services specified herein shall be in accordance with the Fee Schedule in Exhibit B.

B. METHOD OF PAYMENT

Payment of fees shall be based on work completed, as documented in monthly billings submitted by Consultant. Work reports shall be rendered in accordance with the schedule shown in Exhibit C, Work Schedule. Payments are due and payable within thirty (30) days after receipt of each invoice subject to a finding by MPWMD that work performed has been satisfactory and that payment is for the work specified in Exhibit A, Scope of Work. Where MPWMD finds the work to be unsatisfactory, MPWMD shall describe deficiencies in writing to Consultant within ten (10) days.

Ten percent (10%) of the maximum payment shall be retained until all work described in Exhibit A, Scope of Work is completed to the satisfaction of MPWMD. The final invoice for work performed shall be submitted not later than sixty (60) days following notification by MPWMD of completion of such work. The final invoice shall be paid not later than 30 days after receipt of the final invoice. Would like to discuss this item

C. MAXIMUM PAYMENT

Payments to Consultant for services rendered and expenses incurred under this Agreement **shall not exceed \$ \_\_\_\_\_**.

#### D. LATE PERFORMANCE PENALTY

With respect to the work within its direct control, in the event Consultant is unable to perform satisfactory work consistent with the professional skill and care ordinarily provided by professionals practicing in the State of California under the same or similar circumstances within thirty (30) calendar days of the date such work is due pursuant to **Exhibit A**, Scope of Work, MPWMD may, in its discretion, withhold an additional five percent (5%) of the fees which would otherwise be payable pursuant to the fee schedule set forth in Exhibit B. This amount may be increased to a maximum of 10% after sixty (60) calendar days of the date such work is due.

Consultant shall not be responsible for delays to the Schedule due to actions outside of its immediate control. Delays due to lack of performance by other parties shall be documented and the Schedule adjusted to reflect the length of the delay incurred.

Would like to discuss this item.

### SECTION III

#### INSPECTION OF WORK

The books, papers, records and accounts of Consultant or any subconsultants retained by Consultant insofar as they relate to charges for services, or are in any way connected with the work herein contemplated, shall be open at all reasonable times to inspection and audit by the agents and authorized representatives of MPWMD. Said records shall be retained for a minimum of five (5) years after completion of services.

Would like to discuss Sections III and IV

### SECTION IV

#### OWNERSHIP OF PROJECT REPORT AND EQUIPMENT PURCHASED

All original documents, explanations of methods, maps, tables, computer programs, reports and other documents prepared under this Agreement and equipment purchased specifically for the project shall become the exclusive property of MPWMD. Digital data used to generate tables, figures, diagrams, images, Geographical Information System (GIS) or Computer Aided Design (CAD) layers shall be considered separate deliverables and shall be provided to MPWMD after acceptance by MPWMD of the final work product(s).

Global Positioning System (GPS) data deliverables shall include the following:

- Original rover files, unless otherwise specified by MPWMD
- Base station correction files, unless otherwise specified by MPWMD
- Differentially corrected GPS files, if requested by MPWMD
- Copies of field data collection notes
- Completed documentation sheet for each collection event
- Almanac files are optional

GIS deliverables shall include the following:

- Geospatial dataset [generated from GPS data] in Environmental Systems Research Institute, Inc.'s (ESRI) shapefile format, including a projection file. In this regard, point features shall be generated as point shapefiles, linear features shall be generated as line shapefiles, and area features shall be generated as polygon shapefiles.
- Each geospatial dataset shall be accompanied by documentation sufficient to meet the Content Standard for Digital Geospatial Metadata (CSDGM), Vers. 2 (FGDC-STD-001-1998), dated June 1998.
- Any geospatial dataset derived from new or existing geospatial data in shapefile format, along with an explanation of the methodology used to generate the derived geospatial data.

Continuation of Section IV for discussion.

Consultant may retain copies for his/her own use.

## SECTION V

### TIME OF PERFORMANCE

Consultant shall begin work upon the effective date of this Agreement and shall complete all tasks described herein according to the schedule shown in **Exhibit C**, Work Schedule.

## SECTION VI

### RESPONSIBILITIES

- Consultant represents that he/she has or will secure at his/her own expense all personnel, materials, and related services required to perform the services under this Agreement. Consultant shall act as an independent consultant and not as an agent or employee of MPWMD. Consultant shall have exclusive and complete control over his/her employees and subcontractors, and shall determine the method of performing the services hereunder.
- MPWMD shall provide Consultant with all relevant data and studies in its possession without charge. Consultant represents that he/she is familiar with such materials in the possession of MPWMD and that they are sufficient to discharge MPWMD's obligation hereunder.
- MPWMD shall coordinate and arrange for all meetings required to be held with other agencies or persons hereunder, unless otherwise specified in **Exhibit A**, Scope of Work.
- Consultant shall be responsible for the reproduction of work produced by Consultant hereunder.
- The officers, agents, and employees of MPWMD shall cooperate with Consultant in the performance of services under this agreement without charge to Consultant. Consultant agrees to use such services insofar as feasible in order to effectively discharge his/her obligations hereunder and further agrees to cooperate with MPWMD's officers, agents and employees.
- The Consultant agrees to indemnify, defend and save harmless MPWMD, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all consultants, subcontractors, material men, laborers and any other person, firm or corporation who may be

Requires clarification.

Requires clarification.

injured or damaged by the negligent acts, errors, and/or omissions of the Consultant, Consultant's employees, or Consultant's subcontractors or subconsultants in the performance of this Agreement.

## SECTION VII

### INSURANCE

- A. Consultant shall obtain and keep insurance policies in full force and effect as shown in **Exhibit D**, Insurance Requirements.
- B. Consultant shall provide photocopies of his/her current Automobile insurance policy [or policies], including endorsements thereto, or current certificates of insurance in lieu thereof, to MPWMD.
- C. Consultant shall require any subcontractor to provide evidence of the same insurance coverages specified in Section VII Paragraph (A).
- D. Consultant shall provide notice to MPWMD of any cancellation or material change in insurance coverage where MPWMD has been named as additional insured, such notice to be delivered to the MPWMD in accord with Section XV of this Agreement at least ten (10) days before the effective date of such change or cancellation of insurance.
- E. Evidence acceptable to MPWMD that Consultant has complied with the provisions of this Section VII shall be provided to the MPWMD, prior to commencement of work under this Agreement.
- F. All policies carried by the Consultant shall provide primary coverage instead of any and all other policies that may be in force. MPWMD shall not be responsible for any premium due for the insurance coverages specified in this Agreement.

**NOTE: Consultant may also be required to indemnify California American Water and its consultants.**

## SECTION VIII

### CHANGES AND CHANGED CONDITIONS

- A. If, during the course of the work herein contemplated, the need to change the Scope of Work or the Work Schedule should arise, for whatever reasons, whichever party first identifies such need to change shall notify the other party in writing. The representatives of the parties shall meet within seven (7) working days of the date of such notice to discuss the need for change so identified and to set the proposed action to be taken by the parties. A change in the Scope of Work may also result in a change in the compensation amount. Compensation changes shall be based upon the Fee Schedule (**Exhibit B**) attached hereto. Any changes agreed to shall be documented by duly executed amendments to this Agreement.

- B. MPWMD reserves the right to specify individual employees, subconsultants or agents of Consultant who shall be assigned to perform the tasks specified in **Exhibit A**, Scope of Services. If, during the course of the work herein contemplated, there is a change such that the specified individual employees, subconsultants or agents are no longer assigned to the work described in this contract and/or are no longer affiliated with Consultant, Consultant shall immediately notify MPWMD in writing. Consultant shall assign the rights to this contract to another entity, if requested by MPWMD, as part of termination proceedings pursuant to Section IX, Termination.

## SECTION IX

### TERMINATION

- A. MPWMD may terminate Consultant's services at any time by written notice to Consultant at least thirty (30) days prior to such termination. Upon receipt of written notice from MPWMD that this Agreement is terminated, Consultant shall submit an invoice for an amount that represents the value of services actually performed to the date of said notice for which he/she has not previously been compensated. Upon approval of this invoice by MPWMD, Consultant shall be paid from the sum found due after having applied the provisions of Section II, Paragraph (D) of this Agreement, "Late Performance Penalty," where applicable, and MPWMD shall have no further obligation to Consultant, monetarily or otherwise.
- B. Upon receipt of written notice of termination, the Consultant shall (1) promptly discontinue all services affected (unless the notice directs otherwise), and (2) deliver or otherwise make available to MPWMD, copies, including magnetic media, of data, design calculations, drawings, specifications, reports, estimates, summaries and other such information and materials as may have been accumulated by the Consultant in performing the services under this Agreement.

## SECTION X

### SUB-CONTRACTING AND ASSIGNABILITY

Consultant shall not sub-contract any portion of the work required by this Agreement nor otherwise assign or transfer any interest in it without prior written approval of MPWMD. Any work or services subcontracted hereunder shall be specified by written contract or agreement and shall be subject to each provision of this Agreement.

## SECTION XI

### DISCRIMINATION AND FAIR EMPLOYMENT

Attention is directed to Section 1735 of the California Labor Code, which reads as follows:

“No discrimination shall be made in the employment of persons upon public works because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the government code and every Consultant for public works violating this section is subject to all penalties imposed by a violation of this chapter.”



During the performance of this Agreement, Consultant and its Consultants shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status, and denial of family care leave. Consultant and its Consultants shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and its Consultants shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

## SECTION XII

### INTEREST OF CONSULTANT

Consultant covenants that he/she presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement.

## SECTION XIII

### CONTINGENT FEES

Consultant warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement, and that he/she has not paid or agreed to pay any company, or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gifts, or other consideration, contingent upon or resulting from the award or making of this Agreement. For breach of violation of this warranty, MPWMD shall have the right to annul this Agreement without liability or at its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage, gift or contingent fee.

## SECTION XIV

### DISPUTES

In the event of a dispute arising out of the performance of this Agreement either party shall, as soon as a conflict is identified, submit a written statement of the conflict to the other party. Within five (5) working days of receipt of such a statement of conflict, the second party will respond and a meeting will be arranged not more than five (5) working days thereafter to arrive at a negotiated settlement or procedure for settlement. If, within twenty (20) working days from the initial filing of a statement of conflict an agreement cannot be reached, it is agreed that the dispute may be resolved in a court of law competent to hear this

matter. This Agreement shall be construed in accord with California law and it is agreed that venue shall be in the County of Monterey. The prevailing party shall be awarded costs of suit, and attorneys' fees.

## SECTION XV

### NOTICES

All communications to either party by the other shall be deemed given when made in writing and delivered or mailed to such party at its respective address, as follows:

MPWMD: Project Manager  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
Monterey CA 93940  
or  
P. O. Box 85  
Monterey, CA 93942-0085

CONSULTANT:

## SECTION XVI

### AMENDMENTS

This Agreement together with **Exhibits A, B, C, and D** sets forth the entire understanding of the parties with respect to the subject matter herein. There are no other agreements expressed or implied, oral or written, except as set forth herein. This Agreement may not be amended except upon written amendment, executed by both parties hereto.

## SECTION XVII

### ATTACHMENTS

The following exhibits attached hereto and referred to in the preceding sections are, by reference, incorporated herein and made an integral part of this Agreement:

**Exhibit A.** Scope of Work

**Exhibit B.** Fee Schedule

**Exhibit C.** Work Schedule

**Exhibit D. Insurance Requirements**

**IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first above written.**

**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**

---

**BY: David J. Stoldt, General Manager**

**CONSULTANT**

---

**BY:**

**FEDERAL TAX IDENTIFICATION NUMBER: \_\_\_\_\_**

**Exhibit D**

**INSURANCE REQUIREMENTS**

I. Consultant shall provide evidence of valid and collectible insurance carried for those exposures indicated by an "X".

- A.  X  Professional Liability Errors & Omissions
- B.  X  Workers Compensation and Employers Liability
- C.  X  Automobile Liability - "Any Auto - Symbol 1"
- D.  X  ~~Comprehensive~~ General Liability, including Bodily Injury,  
Property Damage and Personal Injury
- E.  X  ~~Owners & Consultants Protective~~
- F.      Protection & Indemnity (Marine/Aviation)

Commercial

We don't carry this. Not applicable for CM Services.

II. The minimum limit of protection provided by insurance policies for each of the coverages listed above shall be not less than \$1,000,000, except for coverage "D", which shall not be less than \$2,000,000. The procurement and maintenance by the Consultant of the policies required to be obtained and maintained by Consultant under this Agreement shall not relieve or satisfy Consultant's obligation to indemnify, defend and save harmless the District.

Commercial

III. Evidence of insurance carried shall be Certificates of Insurance for the current policies. The District shall be listed as a certificate holder on the Consultant's ~~Comprehensive~~ General Liability insurance policy and the policy must be endorsed to provide a ~~60~~-day prior written notice of cancellation.

IV. The District requires that the Consultant carry a commercial liability policy written on a broad comprehensive general liability form.

A. Such protection is to include coverage for the following hazards, indicated by an "X":

- 1.  X  Premises and Operations
- 2.  X  Products and Completed Operations
- 3.      Explosion Collapse and Underground
- 4.  X  Broad Form Blanket Contractual
- 5.  X  Broad Form Property Damage
- 6.  X  Personal Injury, A, B & C
- 7.  X  Employees named as Persons Insured
- 8.  X  Protective and/or Contingent Liability (O&CP)

30

10 days if cancellation is due to non-payment of premium.

B. The "Persons Insured" provision on each comprehensive general liability policy shall include as an insured the "Monterey Peninsula Water Management District, its officers, directors, agents and employees."

additional

- C. This policy shall contain a severability of interest clause or similar language to the following:
- "The insurance afforded applies separately to each insured against whom claim is made or suit is brought including claims made or suits brought by any persons included within the persons insured provision of the insurance against any other such person or organization."
- D. All policies shall contain a provision that the insurance company shall give the District at least thirty (30) days prior written notice mailed to the address shown below prior to any cancellation, lapse or non-renewal. The 30-day written notice must be shown on all certificates of insurance.
- E. Certificates of Insurance for the current policies shall be delivered by the Consultant to the Risk Manager for the District as verification that terms A, B, C and D have been met.
- V. All insurance correspondence, certificates, binders, etc., shall be mailed to:
- Monterey Peninsula Water Management District  
Attn: Administrative Services Manager  
5 Harris Court, Building G  
P.O. Box 85  
Monterey, CA 93942-0085
- VI. All policies carried by the Consultant shall be primary coverage to any and all other policies that may be in force. The District shall not be responsible for payment of premiums due as a result of compliance with the terms and conditions of the insurance requirements.
- VII. All such policies of insurance shall be issued by domestic United States insurance companies with general policy holders' rating of not less than "B" and admitted to do business in the State of California. The policies of insurance so carried shall be carried and maintained throughout the term of this Agreement.

## Exhibit 2 Initial Study Checklist Addendum No. 5 to the ASR EIR/EA

### Environmental Factors Potentially Affected

All of the following environmental factors identified below are discussed within **Section III. Evaluation of Environmental Impacts**. Those that are checked were found to be areas that the full implementation of the proposed project may significantly impact without mitigation. Sources used for analysis of environmental effects are listed in **Section IV. References**.

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Aesthetics         | <input type="checkbox"/> Agricultural Resources        | <input type="checkbox"/> Air Quality                                |
| <input type="checkbox"/> Biological Resources          | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Energy                                     |
| <input type="checkbox"/> Geology and Soils             | <input type="checkbox"/> Greenhouse Gas Emissions      | <input checked="" type="checkbox"/> Hazards and Hazardous Materials |
| <input type="checkbox"/> Hydrology and Water Quality   | <input type="checkbox"/> Land Use and Planning         | <input type="checkbox"/> Mineral Resources                          |
| <input type="checkbox"/> Noise                         | <input type="checkbox"/> Population and Housing        | <input type="checkbox"/> Public Services                            |
| <input type="checkbox"/> Recreation                    | <input type="checkbox"/> Transportation and Traffic    | <input type="checkbox"/> Tribal Cultural Resources                  |
| <input type="checkbox"/> Utilities and Service Systems | <input type="checkbox"/> Wildfire                      | <input type="checkbox"/> Mandatory Findings of Significance         |

### Evaluation of Environmental Impacts

#### 1. Aesthetics

#### Existing Setting

The existing site is located in a disturbed area, south east of the intersection of General Jim Moore Boulevard and Eucalyptus Road in the City of Seaside. The Proposed Project site is not visible from Highway 1 or located near a designated scenic vista. The Proposed Project site is located on the Former Fort Ord. The site is improved with water infrastructure. The surrounding area is primarily open space. The visual quality of the site is considered medium, as it is surrounded primarily by open space which is characteristic of the region's natural visual environment. The overall visual sensitivity of the site is considered low, as there are existing water infrastructure facilities located on-site.

#### Checklist

Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
outcroppings, and historic buildings within a state scenic highway?				
c) Substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Summary of Impacts in Previous Documents**

The ASR EIR/EA identified less than significant impacts related to scenic views, degradation of visual character, creation of light and glare during construction activities, and alteration of existing visual character. The ASR EIR/EA identified a significant impact resulting from creation of new light and glare associated with well operation that would be reduced to less than significant with implementation of *Mitigation Measure VIS-1: Incorporate Light-Reduction Measures into the Plan and Design of Exterior Lighting at Well Site*.

Addendum No. 1 to the ASR EIR/EA also identified a potentially significant impact would result from implementation of ASR Phase 2 related to the creation of new light and glare at the well site, however, this impact would be reduced to less than significant with the implementation of *Mitigation Measure VIS-1: Incorporate Light-Reduction Measures into the Plan and Design of Exterior Lighting at Well Site*.

Addendum No. 2 to the ASR EIR/EA did not identify any potentially significant aesthetic impacts related to the construction and operation of the Hilby Pump Station.

Addendum No. 3 to the ASR EIR/EA did not identify any additional potentially significant aesthetic impacts related to the Monterey Pipeline Re-Alignment.

Addendum No. 4 to the ASR EIR/EA did not identify any additional potentially significant aesthetics impacts related to the Backflush Basin Expansion project.

**Discussion**

**a, b) Less Than Significant Impact.** The project site is not located within a scenic highway corridor. Moreover, the project site is not considered to be a scenic vista. The site is improved with water supply infrastructure and related improvements. As a result, the construction of additional water



supply related infrastructure would not have a substantial adverse effect on a scenic vista or substantially damage scenic resources within a state scenic highway. Therefore, the introduction of new water supply infrastructure would have a less than significant impact to scenic vista and scenic resources.

**c) Less than Significant Impact.** The proposed modification would result in minimal changes to the visual character of the proposed site, as the existing site is currently disturbed and contains water infrastructure facilities. The proposed modifications would result in the construction of a new water treatment facility and related improvements. The water treatment facility would be designed to be visually compatible with the surrounding environment and would be designed to be compatible with existing on-site structures (i.e., existing electrical building). Moreover, the final design of the proposed water treatment facility would be conducted in consultation with the City of Seaside. This impact is considered to be less than significant.

**d) Less than Significant Impact with Mitigation.** The proposed project would result in the construction and operation of additional water supply infrastructure on a previously developed site. As noted above, the site is currently improved with existing water supply infrastructure that is part of the ASR project. The construction and operation of the proposed water treatment facility would result in the introduction of additional lighting and glare on the project site. The ASR EIR/EA previously evaluated potential impacts related to increase in lighting and glare. In order to lessen the potential impacts associated with site lighting, the ASR EIR/EA identified mitigation to ensure that impacts would be reduced to a less than significant level. The implementation of that mitigation would ensure that potential impacts associated with the proposed modification would remain less than significant. As a result, the proposed modification would not result in any additional adverse environmental effects beyond those previously evaluated in the ASR EIR/EA. Impacts associated with the proposed modification would be less than significant with the implementation of mitigation.

### Mitigation Measures

#### **Mitigation Measure VIS-1: Incorporate Light-Reduction Measures into the Plan and Design of Exterior Lighting at Well Site.**

Where lighting is required or proposed, MPWMD will incorporate the following light-reduction measures into the lighting design specifications to reduce light and glare. The lighting design will also meet minimum safety and security standards.

- Luminaires will be the minimum required for property security to minimize incidental light.
- Luminaires will be cutoff-type fixtures that cast low-angle illumination to minimize incidental spillover of light onto adjacent properties and open space. Fixtures that project light upward or horizontally will not be used.
- Luminaires will be focused only where needed (such as building entrances) and should not provide a general “wash” of light on building surfaces.
- Luminaires will be directed away from habitat and open space areas adjacent to the project site.
- Luminaires will provide good color rendering and natural light qualities. Low-pressure sodium and high-pressure sodium fixtures that are not color corrected will not be used.

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- Luminaire mountings will be downcast and the height of poles minimized to reduce potential for backscatter into the nighttime sky and incidental spillover of light onto adjacent properties and open space. Light poles will be no higher than 20 feet. Luminaire mountings will have nonglare finishes.

Monitoring: Prior to initiation of construction activities, MPWMD will ensure that this mitigation measure is implemented. MPWMD is responsible for ensuring compliance for the duration of the project.

**Conclusion**

The proposed modification would not result in any new significant impacts or cause an increase in severity of any significant impacts identified in the ASR EIR/EA related to aesthetics. Because the modification could potentially contribute additional sources of lighting and glare associated with the construction and operation of the proposed water treatment facility, *Mitigation Measures VIS-1: Incorporate Light-Reduction Measures into the Plan and Design of Exterior Lighting at Well Site* from the previously approved ASR EIR/EA must be implemented.

**Cultural Resources**

**Existing Setting**

A records search at the Northwest Information Center of the California Historical Resources Information System (CHRIS) was conducted in 2005 as part of the preparation of the ASR EIR/EA. A review of all of the archaeological sites and surveys within 0.5 mile of the site, historical maps, and the Historic Resources Index was performed. Additionally, historic maps for the site, the National Register of Historic Places, and the California Register of Historical Resources were consulted. The records search at CHRIS did not result in the identification of any previously recorded prehistoric or historic resources within 0.5 mile of the site. The closest prehistoric archaeological site, CA-MNT-699, is located in the coastal dunes.

**Checklist**

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Summary of Impacts in Previous Documents**

The ASR EIR/EA found a potentially significant impact due to the potential for discovery of buried unknown cultural deposits and human remains during construction activities; however, *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits are Encountered during Construction Activities* and *CR-2: Stop Work If Human Remains are Encountered during Construction Activities*, were presented and adopted to reduce potential impacts to a less than significant level.

Addendum No. 1 to the ASR/EA came to the same conclusion as the ASR EIR/EA. Potentially significant impacts could result from the potential for discovery of buried unknown cultural deposits and human remains during construction activities. These impacts could be reduced to less than significant with the implementation of *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits are Encountered during Construction Activities* and *CR-2: Stop Work If Human Remains are Encountered during Construction Activities*.

Addendum No. 2 to the ASR ER/EA also identified a potentially significant impact during construction of the Hilby Pump Station due to the potential for discovery of buried unknown cultural deposits and human remains during construction activities. These impacts could be reduced to less than significant with the implementation of *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits are Encountered during Construction Activities* and *CR-2: Stop Work If Human Remains are Encountered during Construction Activities*.

Addendum No. 3 to the ASR EIR/EA identified also identified a potentially significant impact during construction of the Monterey Pipeline Re-Alignment due to the potential for discovery of buried unknown cultural deposits and human remains during construction activities. These impacts could be reduced to less than significant with the implementation of *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits are Encountered during Construction Activities* and *CR-2: Stop Work If Human Remains are Encountered during Construction Activities*.

Addendum No. 4 to the ASR EIR/EA identified also identified a potentially significant impact during construction due to the potential for discovery of unknown archaeological resources and human remains during construction activities. These impacts could be reduced to less than significant with the implementation of *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits are Encountered during Construction Activities* and *CR-2: Stop Work If Human Remains are Encountered during Construction Activities*.

## Discussion

- a) **No Impact:** The proposed modification would not impact historic resources; there are no documented historical resources on the Proposed Project site or in the vicinity.
- b) **Less than Significant Impact with Mitigation:** Ground disturbing activities could potentially unearth unknown archaeological resources. However, the project site has previously been surveyed for nearby and adjacent projects, and there is a low possibility of archaeological resources to be present. Moreover, the site was also previously graded in connection with the Backflush Basin Expansion project. While previously unknown or buried archaeological resources are not anticipated to be encountered during project construction, the implementation of *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits Are Encountered during Construction* and *CR-2: Stop Work If Human Remains Are Encountered during Construction Activities*, previously adopted as part of the ASR EIR/EA and described below, would ensure that potential impacts due to the discovery of previously unknown archaeological resources would be less than significant. As a result, the proposed modification would not result in any new or substantially more severe significant impacts

beyond those identified in the ASR EIR/EA. No additional mitigation would be necessary beyond those measures already identified and provided below.

- c) **Less than Significant Impact with Mitigation:** Implementation of the proposed modification would not be expected to disturb human remains based upon lack of previously identified human remains on the site and in the vicinity. In the unlikely event that human remains are discovered during earthmoving activities, *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits Are Encountered during Construction* and *CR-2: Stop Work If Human Remains Are Encountered during Construction Activities*, previously approved as part of the ASR EIR/EA and described below, would reduce the potential impact to a less than significant level, included in **Attachment 3**. The Proposed Project would not result in any new or more severe significant impacts than those identified in the ASR EIR/EA. No additional mitigation would be necessary beyond those identified.

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## Mitigation Measures

### **Mitigation Measure CR-1: Stop Work If Buried Cultural Deposits Are Encountered during Construction Activities.**

If buried cultural resources such as chipped stone or ground stone, historic debris, building foundations, or human bone are inadvertently discovered during ground-disturbing activities, the construction contractor will stop work in that area and within a 100-foot radius of the find until a qualified archaeologist can assess the significance of the find and, if necessary, develop appropriate treatment measures. Treatment measures typically include avoidance strategies or mitigation of impacts through data recovery programs such as excavation or detailed documentation.

### **Mitigation Measure CR-2: Stop Work If Human Remains Are Encountered during Construction Activities.**

If human skeletal remains are encountered, the construction contractor will notify CalAm and the county coroner immediately. CalAm will ensure the construction specifications include this order.

If the county coroner determines that the remains are Native American, the coroner will be required to contact the NAHC (pursuant to Section 7050.5 [c] of the California Health and Safety Code) and the County Coordinator of Indian Affairs. A qualified archaeologist will also be contacted immediately.

If human remains are discovered in any location other than a dedicated cemetery, there will be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:

the coroner of the county has been informed and has determined that no investigation of the cause of death is required; and

if the remains are of Native American origin:

- the descendants from the deceased Native Americans have made a recommendation to the landowner or the person responsible for the excavation work for means of treating or disposing of with appropriate dignity the human remains, and any associated grave goods as provided in Public Resources Code Section 5097.98; or
- the NAHC was unable to identify a descendent or the descendent failed to make a recommendation within 24 hours after being notified by the commission.

According to the California Health and Safety Code, six or more human burials at one location constitute a cemetery (Section 8100), and disturbance of Native American cemeteries is a felony (Section 7052). Section 7050.5 requires that construction or excavation be stopped in the vicinity of discovered human remains until the coroner can determine whether the remains are those of a Native American. If the remains are determined to be Native American, the coroner must contact the NAHC.

## Conclusion

The proposed modification would not result in any new significant impacts or cause an increase in severity of any significant impacts identified in the ASR EIR/EA related to cultural resources. Because the modification could potentially contribute to previously identified significant impacts to unknown

cultural resources, *Mitigation Measures CR-1: Stop Work If Buried Cultural Deposits are Encountered during Construction* and *CR-2: Stop Work If Human Remains are Encountered during Construction Activities* from the previously approved ASR EIR/EA must be implemented.

**Hazards and Hazardous Materials**

**Existing Setting**

A search of the California Department of Toxic Substances Control, EnviroStor database shows that the site is located on the former Fort Ord, which is an active superfund site pursuant to Government Code Section 65962.5. The Proposed Project site occupies land that was historically used for military training. Because of the former military use at the project site, munition response action was completed to remove Department of Defense (DoD) military munitions, many of which were determined upon evaluation by qualified personnel to be Munitions and Explosives of Concern (MEC). Even with completion of munitions response actions, there is potential for munitions to be encountered. The probability of encountering MEC at the Proposed Project site is considered low (Arcadis, Inc./Weston Solutions, Inc., 2018). No other contaminated cleanup sites are located within the vicinity of the Proposed Project Site (California Department of Toxic Substances Control, 2016). Seaside Middle School is located approximately 0.2 miles from the Proposed Project Site.

**Checklist**

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
result, would it create a significant hazard to the public or the environment?				
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Summary of Impacts in Previous Documents**

The ASR EIR/EA evaluated hazardous materials impacts of the project and concluded there to be a potentially significant impact related to construction activities occurring on portions of the former Fort Ord associated with historic military use. *Mitigation Measure HAZ-1: Implement MEC Safety Precautions during Grading and Construction Activities at the Project Site* was identified to reduce the potential impact to a less than significant level. The ASR EIR/EA identified less than significant impacts associated with handling of associated materials and public exposure to contaminated drinking water.

Addendum No. 1 to the ASR EIR/EA did not identify any potentially significant impacts related to hazards and hazardous materials.

Addendum No. 2 to the ASR EIR/EA did not identify any potentially significant impacts related to hazards and hazardous materials from the construction or operation of the Hilby Pump Station.

Addendum No. 3 to the ASR EIR/EA did not identify any potentially significant impacts related to hazards and hazardous materials from the implementation of the Monterey Pipeline Re-Alignment.

Addendum No. 4 to the ASR EIR/EA identified potentially significant impacts due to the project site's being located within an area that formerly contained live-firing ranges for various weapons. *Mitigation Measure HAZ-1: Implement MEC Safety Precautions during Grading and Construction*

*Activities at the Project Site* was identified to reduce the potential impact to a less than significant level.

## Discussion

**a, b) Less than Significant Impact:** The proposed modification would entail the use of hazardous materials during construction and operation. The use of hazardous materials during construction and operation could create a potential hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Moreover, the use of hazardous materials during construction and operation could create a potential hazard to the public through the accidental release of hazardous materials. While hazardous material usage would occur during construction and operation, these effects would be less than significant.

During construction, typical construction equipment fluids, including gasoline, diesel, and lubricants for maintaining equipment may be stored onsite. These materials would be handled and stored in compliance with all local, State, and Federal regulations pertaining to hazardous materials. The temporary usage of these materials during project construction would be reduced through standard construction best management practices and implementation of a Storm Water Pollution Prevention Plan. This would ensure that potential construction-related effects would remain less than significant.

Operation of the proposed water treatment facility would involve the storage and use of hazardous chemicals. The ASR EIR/EA previously considered potential operational impacts during operation of the ASR project. As identified in the ASR EIR/EA, the potential effects would be addressed through the implementation of an operation and maintenance and a chemical handling and emergency response plan. Moreover, these effects would be further reduced through the implementation of a hazardous materials management plan, as required by the County of Monterey. The implementation of these requirements identified in the ASR EIR/EA would ensure that impacts would remain less than significant.

**c) Less than Significant Impact:** The proposed modification is located approximately 0.2 miles from Seaside Middle School. However, construction and implementation of the proposed project would not result in exposure of the students or staff to hazardous materials, substances, or wastes. All applicable regulations and policies relevant to hazardous materials transportation and storage would be adhered to. This is a less than significant impact.

**d) Less than Significant Impact with Mitigation:** The project site is located within an area that formerly contained live-firing ranges for various weapons, therefore soil disturbance from excavating and grading activities could expose construction workers to hazards. This impact could be reduced to a less than significant level with the implementation of *Mitigation Measure HAZ-1: Implement MEC Safety Precautions during Grading and Construction Activities at the Project Site*.

**e) No Impact:** The proposed modification is not located within two miles of a municipal or private airport. Therefore, no impacts would result due to airport related safety hazards.

**f) Less than Significant Impact:** Implementation of the proposed modification would not interfere with evacuation plans because it involves no construction or operational activities that would fully block transportation pathways.



**g) Less than Significant Impact:** The project site is primarily surrounded by undeveloped lands. While there is potential for wildland fires in such a land use type, the Proposed Project would not increase the risk of wildfires to residents because construction of the Project would not involve any equipment or activities that present a severe fire risk. Implementation of the Proposed Project would not further expose people or structures to wildland fires.

### **Mitigation Measure**

#### **Mitigation Measure HAZ-1: Implement MEC Safety Precautions during Grading and Construction Activities at the Project Site.**

Because of the Proposed Project's location, the following safety precautions are required for onsite activities. The requirements may be modified upon completion of the Munitions Response Remedial Investigation/Feasibility Study (MR RI/FA) process for the munitions response sites.

All personnel accessing the proposed site will be training in MEC recognition. This safety training is provided by the Army at no cost to the trainee.

If an item is discovered that is or could be MEC, it shall not be disturbed. The item shall be reported immediately to the Presidion of Monterey Police Department at 831-242-7851 so that appropriate U.S. Military explosive ordinance disposal personnel can be dispatched to address such MEC as required under applicable law and regulations at the expense of the Army.

Ground disturbing activities, including perimeter fence installation, will be coordinated with the U.S. Army Corps of Engineers Unexploded Ordinance Safety Specialist so that appropriate construction-related precautions may be provided.

### **Conclusion**

The proposed modification would not result in any new significant impacts or cause an increase in severity of any significant impacts identified in the ASR EIR/EA related to hazards and hazardous materials. Because the modification could potentially contribute to previously identified significant impacts to related to hazardous materials, the implementation of *Mitigation Measure HAZ-1: Implement MEC Safety Precautions during Grading and Construction Activities at the Project Site*, from the previously approved ASR EIR/EA must be implemented.

### **Conclusion**

The proposed project would not result in any new significant impacts or cause an increase in severity of any significant impacts identified in the ASR EIR/EA related to utilities and service systems.

### **Mandatory Findings of Significance**

#### **Checklist**

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 Water Treatment Facility Modification

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Summary of Impacts in Previous Documents**

- The ASR EIR/EA found that there would be less than significant cumulative impacts in all issue areas with the exception of NO<sub>x</sub> and PM<sub>10</sub> emissions, noise and vibration generated during construction. Both of these cumulative significant impacts would be reduced to less than significant with the implementation of *Mitigation Measure Cume-1: Coordinate with Relevant Local Agencies to Develop and Implement a Phased Construction Plan to Reduce Cumulative Traffic, Air Quality, and Noise Impacts.*
- Addendum No. 1 to the ASR EIR/EA did not identify any cumulatively considerable impacts related to implementation of ASR Phase 2.
- Addendum No. 2 to the ASR EIR/EA did not identify any cumulatively considerable impacts related to construction and operation of the Hilby Pump Station.
- Addendum No. 3 to the ASR EIR/EA did not identify any cumulatively considerable impacts related to implementation of the Monterey Pipeline Re-Alignment.

- Addendum No. 4 to the ASR EIR/EA did not identify any cumulatively considerable impacts related to implementation of the Backflush Basin Expansion.

### Discussion

**a, b, c) Less than Significant Impact:** The proposed modification would not substantially degrade or reduce wildlife species or habitat or impact historic resources, as identified in this analysis. Potential cumulative impacts associated with the proposed modification would primarily occur in connection with temporary construction-related effects. As described above, a cumulative analysis for the ASR Project was performed in the ASR EIR/EA and its previous Addenda. Construction and operation of the proposed water treatment facility would not result in adverse impacts on human beings, either directly or indirectly; potential impacts would be temporary in nature and mitigated through the implementation of mitigation measures (to the extent they are applicable) previously identified in the ASR EIR/EA. The proposed modification would not result in any new significant impacts or cause an increase in severity of any significant impacts beyond those identified in the ASR EIR/EA and its Addenda.

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