



Denise Duffy & Associates, Inc.

PLANNING AND ENVIRONMENTAL CONSULTING

SCOPE OF WORK

Monterey Peninsula Water Management District Aquifer Storage and Recovery Project California Environmental Quality Act Addendum

April 3, 2020

INTRODUCTION

The Monterey Peninsula Water Management District (“MPWMD” or “District”) requested that Denise Duffy & Associates (“DD&A”) prepare a scope and budget to provide California Environmental Quality Act (“CEQA”) services in connection with a minor modification to the Aquifer Storage and Recovery (“ASR”) Project (“Proposed Modification”). More specifically, MPWMD requested that DD&A prepare a scope of work to prepare an Addendum to the ASR Environmental Impact Report/Environmental Assessment (“EIR/EA”). The following provides a general overview of the Proposed Modification and existing environmental documentation applicable to the modification, as well as a detailed scope of work and budget. As discussed previously, DD&A prepared an Addendum to the ASR Project EIR/EA in 2019 and the following scope of work would capitalize on existing documentation to the maximum extent feasible to ensure the timely completion of project deliverables.

PROPOSED MODIFICATION

The Proposed Modification would improve the existing ASR system and allow California American Water (“CalAm”) to perform simultaneous ASR injection and extraction operations to meet customer demand as a result of reduced Carmel River diversions. The Proposed Modification would be used to convey water from Crest Tank to ASR Wells 3 and 4 for injection. Extraction operations would be performed at ASR Wells 1 and 2 and would be conveyed through existing infrastructure to Forest Lake Reservoir in Pacific Grove, CA.

Under current CalAm permit requirements, a 30-day retention period is required between ASR injection and extraction operations. Due to reduced Carmel River diversions, CalAm would not be able to meet customer demand during the 30-day retention period when extraction operations are not allowed. A proposed dechlorination facility would dechlorinate water prior to injection into ASR Wells 3 and 4 which would remove the 30-day retention period requirement and would allow CalAm to meet customer demand.

The Proposed Modification consists of the following:

- Construction of a new 36-inch-diameter, 7,000 LF, potable water transmission pipeline (“Bypass Pipeline”) in General Jim Moore Blvd between Hilby Avenue and approximately 750 feet south of Coe Avenue in Seaside, CA. The proposed Bypass Pipeline would connect to an existing 36-inch pipeline at each end. The pipeline would include blow off

EXHIBIT 4-C

and air vent appurtenances installed in either the sidewalk or median of General Jim Moore Boulevard. Blow offs would be pump out style, located within utility boxes that are flush with the surrounding ground. Air vents would be installed above grade in locked cages. The final locations of the proposed appurtenances would be subject to the approval of the City of Seaside.

- The Proposed Modification would also include a new dechlorination facility and a new 16-inch diameter connection to the CalAm Aquifer Storage and Recovery (ASR) well sites 3 and 4 located at the Seaside Middle School.

The proposed Bypass Pipeline would be constructed by open trench within the paved roadway of the northbound lanes of General Jim Moore. The typical trench width would be approximately 6-foot wide and 6.5-foot deep. Excess soil would be handled and disposed of consistent with the requirements of the Fort Ord Reuse Authority (FORA) and City of Seaside Programmatic On-Call Construction Support Plan – Roadways and Utilities – Seaside Munitions Response Area. Pavement and striping would be restored per City of Seaside requirements.

EXISTING ENVIRONMENTAL DOCUMENTATION

Pursuant to CEQA, Public Resources Code Sections 21000 *et seq.*, and the State CEQA Guidelines, Title 14, California Code of Regulations, Sections 15000 *et seq.* (“CEQA Guidelines”), the District considered the following environmental documentation:

- Final Environmental Impact Report (“FEIR”), certified by the District in August 2006 for the Seaside Groundwater Basin (“SGB”) Aquifer Storage and Recovery Project;
- Addendum No. 1 to the ASR EIR/EA addressing the full implementation of Phase 2 ASR, dated April 2012;
- Addendum No. 2 to the ASR EIR/EA addressing the Hilby Avenue Pump Station, dated June 2016;
- Addendum No. 3 to the ASR EIR/EA addressing the Monterey Pipeline, dated February 2017;
- Addendum No. 4 to the ASR EIR/EA addressing the Backflush Basin Expansion Project, dated July 2018;
- Addendum No. 5 to the ASR EIR/EA addressing the Water Treatment Facility Modification, dated June 2019; and,
- Additional documentation for background information includes the Final PWM/GWR EIR certified October 2015 and the Final Monterey Peninsula Water Supply Project EIR/EIS, April 2018.

Based on preliminary discussions with MPWMD and CalAm, it appears than an Addendum to the ASR EIR/EA would be the appropriate level of environmental documentation for the Proposed Modification because it is not anticipated to create new significant environmental impacts or substantially increase the severity of previously identified significant impacts consistent with the requirements of CEQA Guidelines Secs. 15162 and 15164. The following presents DD&A’s proposed scope of work.

EXHIBIT 4-C

SCOPE OF WORK

Task 1. Project Initiation

This task consists of initial project review and consultation with MPWMD, CalAm, and other interested parties, as determined appropriate. The purpose of this task is to: 1) collect and review relevant background information related to the Proposed Modification; 2) confirm expectations related to specific deliverables, format of products, level of detail required, staff assignments and roles, and appropriate paths of communication; and, 3) discuss critical milestones and finalize the schedule. Data gathered as part of this task will be reviewed and used to develop a comprehensive picture of the physical, technical, and environmental resources that may be affected by the Proposed Modification. As part of this task, DD&A will complete the following tasks:

- DD&A will communicate with District staff to confirm project details and schedule needs, and to gather and review available information;
- DD&A staff will conduct one site visit and photograph existing conditions;
- DD&A will conduct an assessment of the existing relevant background reports;
- DD&A will collect data required to supplement the existing analysis consistent with CEQA;
- DD&A will review and edit the description of the Proposed Modification for the Addendum; and,
- DD&A will conduct initial evaluation by reviewing applicable CEQA regulations, existing CEQA documentation prepared for the ASR Project, and review other pertinent background documentation, as applicable.

DD&A assumes that CalAm will submit site plans and related exhibits depicting the Proposed Modification.

Task 2. Administrative Draft Addendum

DD&A will prepare an Administrative Draft Addendum for review by MPWMD. DD&A will prepare the Administrative Draft Addendum in compliance with CEQA Guidelines Sec. 15164. The Addendum will clearly and concisely describe the changes to the ASR Project due to the Proposed Modification. The Addendum will include a description of the changes to the ASR Project and identify revisions to the ASR Project compared to how they are described in the underlying environmental documentation. DD&A will submit the Administrative Draft Addendum to MPWMD in electronic form (in MS Word and PDF via email) for review and comment. The Addendum will also provide a supporting rationale that describes the reasons why an Addendum is the appropriate level of environmental documentation.¹

¹ Note: As noted above, a preliminary determination has been made that use of an addendum would be appropriate under CEQA and the proposed project would not create new significant environmental impacts or substantially increase the severity of previously identified significant impacts.

EXHIBIT 4-C

The Addendum will be organized as follows:

- Introduction
 - Addendum Overview
 - Background on the Project
 - Addendum Requirements
 - Review of existing CEQA documentation
- Description of the Proposed Modification
 - Location
 - Description of construction and operational characteristics
 - Comparison of Project to facilities evaluated in the existing CEQA documentation
- Impacts and Mitigation of the Project* (See Topical Analysis below)
- Comparison to the Conditions Listed in CEQA Guidelines Related to Addendum Preparation
 - Changes to the Project Considered Not Substantial
 - No New Information Leading to Environmental Effects
 - No Change in Project Circumstances
- Conclusions
- References/Acronyms/Appendices

**Topical Analysis:* The addendum will include the following brief analyses, at a minimum:

Air Quality/Greenhouse Gasses. The Addendum will evaluate any potential changes to the previous impact analysis for air quality and greenhouse gasses based on the proposed increase in construction area. The environmental documentation previously prepared for the project concluded that project and cumulative air quality impacts are considered to be less-than-significant. No change in the conclusions from the previous assessment is anticipated.

Biological Resources. The Addendum will evaluate whether the Proposed Modification construction area would result in any additional biological impacts. DD&A will review the existing biological reports for the site and provide updated technical documentation related to biological resources as needed, including conducting updated biological survey. Based upon a preliminary review of relevant project documentation, no new significant impacts or a worsening of severity of significant impact is anticipated.

Cultural Resources. The Addendum will also evaluate potential impacts to cultural resources. More specifically, the Addendum will describe how the impacts on cultural resources will not be increased in severity when compared to the impacts identified in the previous environmental documentation.

Hazards and Hazardous Materials. The Addendum will identify potential hazards that exist on the site including those specific to the Former Fort Ord, such as the potential for unexploded ordinances (UXO) and soil contamination. This section will describe local protections that apply to the site and discuss the Proposed Modification's ability to comply with applicable regulations.

Hydrology and Water Quality. The Addendum will evaluate hydrology and water quality effects of the project. The Addendum will also identify the potential drainage and water quality impacts

EXHIBIT 4-C

from the Proposed Modification. This section will identify local and regional programs for maintenance of water quality and the Proposed Modification's adherence to these programs.

Land Use and Planning. The Addendum will describe the existing land uses in the area of the Proposed Modification compared to the base environmental documentation and address potential land use effects.

Noise. The Addendum will describe the noise impacts on sensitive receptors when compared to the impacts identified in the previous environmental documentation and review applicable mitigation. Based upon a preliminary review of the Proposed Modification, no new significant impacts or a worsening of severity of significant impact is anticipated.

Traffic. The Addendum will evaluate any potential changes to construction traffic based on the proposed revised construction area. The environmental documentation previously prepared for the ASR Project concluded that project and cumulative traffic impacts are considered to be less-than-significant. It is assumed that only minor traffic modifications would be needed for the Proposed Modification.

Topic by Topic Discussion. Other topics, including geotechnical, geology, population/housing, public services and recreation, and utilities and service systems will be briefly addressed to describe how the Proposed Modification will not create any new impacts and will not increase the severity of those impacts previously identified. No assessment of agricultural resources is needed.

This scope of work assumes that DD&A will receive two (2) sets of comments from MPWMD on the Administrative Draft Addendum.

Task 3. Screen-Check Draft Addendum

Based upon review comments from District staff on the Administrative Draft Addendum, DD&A will prepare a Screen-Check Draft Addendum for final review by MPWMD staff. This scope of work assumes DD&A will receive two (2) sets of comments from MPWMD on the Screen-Check Draft Addendum. The Addendum will be prepared pursuant to the California CEQA Guidelines Sec. 15164, to describe the modifications to the ASR Project and to evaluate whether the modifications present any new significant impacts not identified in the previously certified documentation or any increase in severity in any previously identified significant impacts.

Task 4. Prepare Final Addendum

Based upon comments on the Screen-Check Draft Addendum, DD&A will revise the Addendum and prepare a Final Addendum to accompany the MPWMD's staff report on the Proposed Modification.

Task 5. Prepare CEQA Findings, Mitigation Monitoring and Reporting Program; Review Staff Report, Draft, and Final Resolution

In preparation for the MPWMD Board action on the Addendum and project approval, DD&A will prepare the CEQA-required findings for the Addendum. DD&A will also assist with the review of MPWMD's staff report and draft Board Resolution. It is assumed that the Proposed Modification

EXHIBIT 4-C

will not result in amendments to the Mitigation Monitoring and Reporting Program (MMRP). This scope does not include an update to the MMRP. Based upon comments on the CEQA findings, DD&A will revise and prepared the final document to accompany the staff report.

Task 6. Prepare Notices

After project approval, DD&A will prepare draft and final notices, as needed, related to the project approval. DD&A will file notices with proper documentation of previous fee payment to the Monterey County Clerk, Office of Planning and Research (OPR), or others, if requested.²

Task 7. Meetings and Conference Calls

This task includes attendance/involvement in meetings and conference calls with the involved agencies and MPWMD. This budget assumes that attendance by the Project Manager at a public hearing is not necessary, but DD&A staff can be made available to attend the public hearing for the Proposed Modification, if requested by MPWMD. DD&A's Project Manager will coordinate meeting and conference call scheduling and prepare and distribute meeting agendas and summaries of key discussion points, if requested.

Task 8. Project Management

This task consists of project management and communication responsibilities, including correspondence, schedule/budget tracking, project oversight, and document production. This task also includes coordination with MPWMD and others during preparation of the Addendum.

Schedule

Assuming there are no significant changes to the Proposed Modification as described above, work performed under this scope of services will be completed within sixty (60) days of authorization by the District.

Budget

The following page shows a task-by-task breakdown of DD&A's cost estimate to complete the Addendum for the Proposed Modification.

² Filing a Notice of Determination is optional; thus DD&A would perform this task only after confirmation by the MPWMD.

EXHIBIT 4-C

**Denise Duffy & Associates, Inc.
ASR Parallel Pipeline
Cost Breakdown - Addendum**

Task	Description	Principal	Project Manager	Senior Environmental Scientist	Associate Environmental Scientist/Planner	GIS/Graphics/Assist	Assistant Environmental Scientist/Planner	Administrative	DD&A Costs by Task	Direct Costs (see note 3)	Total by Task
1	Project Initiation	1	4	2	4			2	\$1,768	\$50	\$1,818
2	Administrative Draft Addendum	2	12	16	22	4	24	4	\$10,372	\$50	\$10,422
3	Screen-Check Draft Addendum	1	8	4	6	2	10	2	\$4,158	\$50	\$4,208
4	Final Addendum	2	4	2			8	2	\$2,350	\$50	\$2,400
5	CEQA Findings, Mitigation Monitoring and Reporting Program; Review Staff Report, Draft, and Final Resolution	1	6	2			12	2	\$2,848		\$2,848
6	Prepare Notices		1		2		4	2	\$910	\$50	\$960
7	Meetings and Conference Calls	2	6	2			2		\$1,960		\$1,960
8	Project Management	1	6					2	\$1,354		\$1,354
	Total Hours and Cost	10	47	28	34	6	60	16			\$25,970
	Rate (\$/hour)	\$230	\$166	\$153	\$110	\$105	\$99	\$64			
	Contingency, 10%										\$2,597
	Total Costs	\$2,300	\$7,802	\$4,284	\$3,740	\$630	\$5,940	\$1,024	\$25,720	\$250	\$28,567

Notes:

- 1. Approach.** This budget estimate is based on the current understanding of approach per consultation with District.
- 2. Responding to comments.** This budget estimate assumes an average number and length of comments from the reviewers with no new technical analysis. DD&A reserves the right to review the comments and adjust the estimated budget to accommodate responding to excessive comments. Specifically, responding to more than an average number of comments revising or conducting new analysis and/or excessively complex comments may require an amendment to the contract.
- 3. Direct Costs.** Estimate does not include any filing fee for Notice of Determination or photocopying costs. Unless otherwise noted or requested, DD&A assumes that all deliverables would be submitted electronically (in PDF format, or if needed, Microsoft Word) only.
- 4. New technical studies.** This task assumes assessment of the following issue areas based upon available information and assumes no new technical studies are needed: aesthetics/visual resources (visual simulations), air quality, biological resources, cultural resources, energy, geotechnical and geologic hazards, hazardous materials, hydrology and water quality, noise, traffic and transportation, and utilities/water supply.