



## **AGENDA**

### **WATER RESOURCES & OPERATIONS COMMITTEE WEDNESDAY, JANUARY 10, 2024, AT 11:00 AM**

This meeting may be attended in person at the District Office Boardroom at: 61750 Chollita Rd., Joshua Tree, CA 92252, by phone at 1 669 444 9171, or by video conference.

#### **Join Zoom Meeting:**

<https://us02web.zoom.us/j/85434372718?pwd=OE02L2dlclAxMGhxZDBmWTR3L2ZFdz09>

**Meeting ID: 854 3437 2718**

**Passcode: 61750**

1. **CALL TO ORDER / PLEDGE OF ALLEGIANCE**

2. **ROLL CALL**

3. **PUBLIC COMMENT**

This is the time set aside for public comment on any item appearing on the agenda. At the discretion of the Board President, however, comments on a particular agenda item may be deferred until that item is heard. Please state your name and limit your comments to 3 minutes.

4. **CONSENT CALENDAR**

Consent calendar items are expected to be routine and non-controversial, to be acted upon at one time without discussion. If a committee member would like an item to be handled separately, it will be removed from the Consent Agenda for separate action.

**A. DRAFT WATER RESOURCES & OPERATIONS COMMITTEE MEETING MINUTES 11.08.23**

5. **DISCUSSION ITEMS**

**A. MONTHLY OPERATIONS REPORT**

**B. DESIGN RFP FOR E-2-1 RESERVOIR REFURBISHMENT PROJECT**

6. **STAFF REPORTS**

7. **DIRECTOR COMMENTS**

8. **ADJOURNMENT**

JOSHUA BASIN WATER DISTRICT  
MINUTES  
WATER RESOURCES & OPERATIONS COMMITTEE MEETING  
Wednesday, November 8, 2023  
61750 Chollita Road, Joshua Tree, CA 92252

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE – Vice President Doolittle called the meeting to order at 11:00 a.m.
2. ROLL CALL – Vice President Doolittle and Director Fick

STAFF PRESENT – Jeremiah Nazario, Interim Director of Operations, David Shook, Director of Administration, Anne Roman, Director of Finance, General Manager, Sarah Johnson (attended remotely)

CONSULTANTS PRESENT – None

3. PUBLIC COMMENT – None

4. CONSENT CALENDAR

- A. DRAFT WATER RESOURCES & OPERATIONS COMMITTEE MEETING MINUTES 09.13.23

1<sup>st</sup> – Fick

2<sup>nd</sup> – Doolittle

Motion carried to approve consent calendar.

5. DISCUSSION ITEMS -

- A. ACKNOWLEDGE AND CONFIRM THE CHANGE OF THE OFFICIAL TIME START OF THE WRO MEETING FROM 10:30 AM TO 11:00 AM BEGINNING ON 11/08/23.

The WRO committee acknowledged and confirmed the official start time of WRO will be 11:00 AM.

- B. MONTHLY OPERATIONS REPORT

Interim Director of Operations, Jeremiah Nazario provided an operational statistics report that included both September and October data. The report included information on service order totals, distribution, production, and CIRP updates. Nazario mentioned the following:

- Working on the Lead and Copper mandate.
- Installed new flow meter at well 16.
- Installed new analyzer at well 10.
- Obtained 450-acre feet of water recharge.
- Nazario redesigned the Miox system, which should be completed soon.
- Installed temporary tanks for the E-2-1 rehab.
- Maintenance to recharge pond.

6. STAFF REPORTS –

General Manager, Sarah Johnson - None

7. DIRECTOR COMMENTS – None

8. ADJOURNMENT – Vice President Doolittle adjourned the meeting at 11:41 am.

1<sup>st</sup> – Fick

2<sup>nd</sup> – Doolittle

NEXT MEETING – December 13, 2023, at 11:00 am.

Respectfully Submitted,

---

Sarah Johnson, General Manager

# OPERATIONS STATISTICS

# REPORT PRESENTED ON JANUARY 10, 2024

Operational	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
<b>Total Service Orders</b>	272	233	311	172	392	323	346	355	295	395	400	272
<i>Read and Leave On</i>	22	16	26	25	41	30	31	38	27	39	29	22
<i>Re-Read</i>	14	7	11	9	9	20	3	0	2	2	0	0
<i>Read and Unlock</i>	19	17	27	16	25	20	32	17	12	15	17	17
<i>Read and Lock Off</i>	26	23	12	16	47	27	21	16	5	4	6	17
<i>Miscellaneous</i>	38	40	21	52	138	51	66	96	79	73	204	69
<i>Water Quality/Pressure</i>	0	0	0	0	0	2	1	6	0	3	2	0
<i>Cutoffs</i>	8	13	5	19	29	31	19	24	17	10	25	3
Fire Flows	13	5	12	0	1	4	4	3	4	3	1	4
USA's (Dig Alert)	107	63	79	191	132	119	90	62	86	113	74	60
New Service Line Installs	9	5	5	6	4	6	9	5	6	0	0	1
Meter Upgrades	2	1	0	1	2	4	1	0	1	2	1	1
Meters Replaced	77	125	174	19	63	85	101	61	81	237	55	63
Fire Hydrants Inspect/Repair	17	42	23	7	22	10	8	12	25	15	13	13
Valves Exercised	20	53	15	45	57	42	15	18	13	57	62	49
<b>Total Leaks</b>	15	17	14	9	27	26	33	24	15	12	10	6
<i>Service Line Leaks</i>	9	13	10	9	23	19	27	21	12	11	9	4
<i>Main Line Leaks</i>	6	4	4	0	4	7	6	3	3	1	1	2
<b>Total Water Loss (gallons)</b>	2,193,449	153,782	50,224	16,373	456,629	3,366,002	2,827,443	2,158,037	546,440	160,144	39,724	1,225,629
<i>Service Line Water Loss</i>	197,334	13,882	35,707	16,373	356,128	962,623	1,977,498	899,076	116,222	157,290	26,884	857,366
<i>Main Line Water Loss</i>	1,996,115	139,900	14,518	0	99,891	2,403,380	849,945	1,258,961	430,217	2,853	12,840	368,263

# OPERATIONS UPDATE

## **Distribution Update:**

79 LCRR inspections has been completed.

Fuel pump surprise inspection was completed by AQMSD along with permitting the asphalt zipper.

6 old service lines were replaced.

Fleet maintenace was conducted on 6 trucks ( new tires, oil changes, rear diff leak fixed) replaced wheel studs on 410 backhoe.

Surplus has been completed earning the district \$149,886.99 selling 13 items.

## **Production Update:**

Completed recharge on December 22, 2023 of 1100 AF.

Prepped E-2-1 Booster site for booster pump 1 replacement being installed January 9-11.

Completed meter testing for all 5 wells which we do annually now.

Greased all booster station sites for preventive maintenance.

Training started for our new employee Shawn Thomas, Water Production Operator I with the pump, well, and sample run. Scada and Geoviewer training as well along with learning all sites and schematics.

## **CIRP Update:**

Replaced gate and repaired fence at C2B saving the district \$5k by doing this in house.

Set security posts for cameras and motion detectors for secerity upgrades at C2B.

Prepped sites for district tours by cleaning sites adding new gravel for road ways and grading area for better access.

D-1-1 booster site rehab is awaiting an electricition to set the main panel and final hook up for Edison.

Miox system work is still underway with an estimated completion time in February.

Hauled over 100 yards of clean dirt from C2B site down to the shop yard for for better access.



## WRO Staff Report

MEETING DATE: **January 10, 2024**  
PRESENTED BY: **Jeremiah Nazario**  
TOPIC: **Design RFP for E-2-1 Reservoir Refurbishment Project**  
RECOMMENDATION: **Review and refer the Request for Proposal (RFP) to the full board**

---

### ANALYSIS:

#### Background

The E-2-1 reservoir, standing at 26 feet tall with a 44-foot diameter and situated at an elevation of 3328.74 feet, serves approximately 35 customers in the far northeast district. Built after the 1992 Landers earthquake, it faces structural issues without documented rehabilitation efforts. To ensure its continued integrity, we plan essential modifications like relocating the overflow pipe, replacing the ladder, and addressing structural concerns. These measures, aligning with industry best practices, are crucial for the reservoir's longevity and reliability. Given the reservoir's age and absence of documented rehabilitation, this overdue initiative is vital to meet modern engineering standards and deliver quality water services to the community.

#### Recommendation

In adherence to the district's bidding policy, staff followed a transparent and competitive solicitation process to obtain the proposals. Staff solicited three RFPs from three engineering firms for the design portion of the E-2-1 Reservoir refurbishment project. These engineering firms were carefully selected based on their experience, expertise, and proven track record in similar projects. Each firm is reputable and has demonstrated expertise in structural assessments, including coating applications of the reservoirs of interior and exterior components. Given the importance of this project, it is essential that we move forward with choosing the right engineering firm.

Staff received two RFPs from the solicitation. After careful evaluation of project understanding, adherence to RFP instructions, timeliness, references, completeness, and costs, staff recommends contracting Ardurra, the firm deemed most suitable for this crucial project.

Both RFPs are attached.

STRATEGIC PLAN ITEM: 1.2.14 E-2-1 Reservoir Renovation  
FISCAL IMPACT: \$47,113

October 26, 2023

Mr. Jeremiah Nazario  
Joshua Basin Water District  
61750 Chollita Road  
Joshua Tree, CA 92252

**SUBJECT:      Proposal for E2-1 Reservoir Recoating Project**

Dear Mr. Nazario:

Ardurra is pleased to submit this proposal to Joshua Basin Water District (District) to provide professional engineering services for the E2-1 Reservoir Recoating Project which consists of the following improvements:

- Recoating of the tank interior
- Reconfiguring the overflow pipe from inside the tank to the outside
- Replacing the interior ladder
- Installing a doghouse manway
- Providing tie-offs on the roof for fall protection

## Scope of Services

### Task 1 – Contract Documents

- 1.1 **Data Collection & Review:** Ardurra will gather and review available information related to the project including record drawings, tank inspection reports, District specifications, etc.
- 1.2 **Design Plans:** Ardurra will prepare design plans for the proposed improvements. Kelsey Structural, as a subconsultant to Ardurra, will perform the structural design. For scope purposes it is assumed that 3 drawings will be prepared and including the following:
  - Title Sheet
  - Tank Plan and Section
  - Mechanical and Structural Details
- 1.3 **Specifications:** Ardurra will provide a complete set of project specifications for the bidding and construction of the project and consisting of front-end, general provisions, and technical specifications. Ardurra will utilize the District's existing front-end bidding documents and general provisions and prepare the bid schedule and necessary technical specifications.
- 1.4 **Cost Opinion:** Ardurra will prepare an estimate of probable construction cost.

### Task 1 Deliverables

- Plans, Specifications, and Cost Opinion (PDF) submitted at the 90% design level for the District's review. Comments will be incorporated into the Final Design Submittal consisting of signed plans and specifications and suitable for bidding purposes.

### **Task 2 – Project Management**

- 2.1 **Meetings:** Ardurra will conduct two virtual meetings with the District. It is anticipated the meetings will consist of the following:
- Kick-off meeting
  - 90% Design Review Meeting
- 2.2 **Project Management:** This task addresses the management responsibilities associated with the project setup, scheduling, budget control, invoice preparation, and coordination.
- 2.3 **Quality Assurance and Quality Control:** Ardurra will perform an independent review of the submittals prior to delivery to the District.

### **Task 3 – Services During Bidding**

- 3.1 **Bid Phase Services:** Ardurra will provide technical support and respond to questions and RFIs from potential bidders via addendum. Ardurra will prepare a response to questions within four working days. Ardurra will prepare up to two (2) addenda which will be submitted to the District for review and distribution.

### **Budget & Schedule**

Ardurra proposes to perform the services described above on a time and materials basis in the not-to-exceed amount of \$47,113 in accordance with the enclosed fee proposal and our 2023 rate schedule. Ardurra will submit the final drawings within three (3) months from a notice-to-proceed.

We appreciate the opportunity to work with the District on this project. Please feel free to contact me at (858) 774-4847 should you have any questions.

Very truly yours,



Ryan M. Huston, PE  
Project Director

Enclosure: Fee Proposal



**Joshua Basin Water District  
E2-1 Reservoir Recoating Project**

		<b>Ardurra Personnel</b>					<b>Subtask Labor- Hours</b>	<b>Subtask Labor Cost</b>	<b>Direct Cost</b>	<b>Sub Kelsey</b>	<b>Subcontract incl 5% MU</b>	<b>Total Cost</b>
<b>Task/ Subtask</b>	<b>Task/Subtask Description</b>	<i>Principal</i>	<i>Tech Review</i>	<i>Senior Engineer</i>	<i>Staff Engineer</i>	<i>Admin</i>						
		<i>R. Weber</i>	<i>A. Egense</i>	<i>P. Mulvey</i>	<i>D. Payne</i>							
		\$305.00	\$280.00	\$240.00	\$180.00	\$110.00						
<b>Task 1</b>	<b>Preliminary Design</b>											<b>\$38,628</b>
1.1	Data Collection & Review	1		4	1		6	\$1,445			\$0	\$1,445
1.2	Design Plans (3)	4		8	48		60	\$11,780		\$15,450	\$16,223	\$28,003
1.3	Specifications	4		8	20	8	40	\$7,620			\$0	\$7,620
1.4	Cost Opinion			2	6		8	\$1,560			\$0	\$1,560
<b>Task 2</b>	<b>Project Management</b>											<b>\$8,485</b>
2.1	Meetings (2)	4			4		8	\$1,940				\$1,940
2.2	Management	4				2	6	\$1,440			\$0	\$1,440
2.3	QA/QC		8				8	\$2,240			\$0	\$2,240
<b>Task 3</b>	<b>Record Drawings</b>											<b>\$2,865</b>
3.1	Bid Phase Services	1	4		8		13	\$2,865	\$0	\$0	\$0	\$2,865
		18	12	22	87	10	149					
		\$5,490	\$3,360	\$5,280	\$15,660	\$1,100		\$30,890	\$0	\$15,450	\$16,223	<b>\$47,113</b>

**TOTAL NOT-TO-EXCEED FEE:**

**\$47,113**



**ARDURRA GROUP, INC. (CALIFORNIA)**  
**STANDARD BILLING RATE SCHEDULE**  
 (Effective January 1, 2023)

**ENGINEERING, MUNICIPAL, ENVIRONMENTAL, & SURVEYING SERVICES**

<u>STAFF</u>	<u>HOURLY RATE</u>	<u>STAFF</u>	<u>HOURLY RATE</u>
Principal.....	\$ 320	Assistant Environmental Scientist*.....	\$ 140
QA/QC Manager.....	\$ 280	Senior Planner.....	\$ 200
Project Manager IV.....	\$ 280	Planner II.....	\$ 180
Project Manager III.....	\$ 240	Planner I.....	\$ 160
Project Manager II.....	\$ 220	Associate/Assistant Planner.....	\$ 130
Project Manager I.....	\$ 200	Senior Landscape Architect.....	\$ 240
Project Engineer VI.....	\$ 240	Landscape Architect.....	\$ 180
Project Engineer V.....	\$ 220	Principal Architect.....	\$ 240
Project Engineer IV.....	\$ 200	Senior/Associate Architect.....	\$ 210
Project Engineer III.....	\$ 180	Architect.....	\$ 200
Project Engineer II.....	\$ 160	3-Person Survey Crew*.....	\$ 380
Project Engineer I.....	\$ 140	2-Person Survey Crew*.....	\$ 300
Project Designer III*.....	\$ 190	1-Person Survey Crew*.....	\$ 200
Project Designer II*.....	\$ 160	Survey Director.....	\$ 240
Project Designer I*.....	\$ 130	Assistant Surveyor (not Licensed)*.....	\$ 180
CADD Drafter III*.....	\$ 145	GIS Analyst*.....	\$ 180
CADD Drafter II*.....	\$ 125	GIS Specialist*.....	\$ 160
CADD Drafter I*.....	\$ 110	Graphic Designer*.....	\$ 140
Administrative Assistant*.....	\$ 120	Drone Operator with Camera*.....	\$ 180
Plan Check Engineer IV.....	\$ 210	Flow Monitoring Project/Data Manager.....	\$ 195
Plan Check Engineer III.....	\$ 185	Flow Monitoring Field Manager.....	\$ 175
Plan Check Engineer II.....	\$ 170	Flow Monitoring Field Supervisor*.....	\$ 145
Plan Check Engineer I.....	\$ 150	Flow Monitoring Field Technician III*.....	\$ 120
Public Works Technician III*.....	\$ 140	Flow Monitoring Field Technician II*.....	\$ 110
Public Works Technician II*.....	\$ 120	Flow Monitoring Field Technician I*.....	\$ 90
Public Works Technician I*.....	\$ 100	Community Relations Strategic Advisor.....	\$ 280
Senior Code Enforcement Officer/Manager*.....	\$ 120	Community Relations Project Manager.....	\$ 250
Code Enforcement Officer II*.....	\$ 90	Community Relations Assistant Project Manager.....	\$ 220
Code Enforcement Officer I*.....	\$ 80	Community Relations Senior Account Coordinator.....	\$ 160
Senior Structural Engineer.....	\$ 240	Community Relations Account Coordinator.....	\$ 140
Structural Engineer.....	\$ 180	Community Relations Senior Graphic Artist.....	\$ 190
SUE Technician*.....	\$ 140	Community Relations Graphic Artist.....	\$ 160
SWPPP Practitioner*.....	\$ 150	Community Relations Account Assistant.....	\$ 120
Specialty Professional/Discipline.....	\$ 280	<b>Expert Witness Services</b>	
Senior Environmental Scientist.....	\$ 240	Data Review and Preparation.....	\$ 320
Associate Environmental Scientist.....	\$ 170	Testimony & Deposition.....	\$ 475



**ARDURRA GROUP, INC. (CALIFORNIA)  
STANDARD BILLING RATE SCHEDULE  
(Effective January 1, 2023)**

**NOTES AND ASSUMPTIONS**

**Project, Construction Management & Inspection Notes (continued):**

- <sup>3</sup> Prevailing Wage Rates are subject to increases pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations. Ardurra's Billing Rates will increase in proportion to the DIR increase, plus overhead and profit. The current rates are based on Determination # SC-23-63-2-Pre-1D Issued 8/22/2022 for the August 22, 2022 to June 30, 2023 rate. The above billing rates increase by \$10/ hour on July 1, 2023 and again on July 1, 2024 to adjust for predetermined increases.
- <sup>4</sup> A Special Shift is any shift that starts after 5:00PM and before 6:00 AM.
- <sup>5</sup> The following minimum callout applies to Inspection staff, in accordance with Industrial Welfare Commission Order #16-2001: • Cancellation of 8 hours scheduled inspection after inspector's arrival on site: 4-hour minimum • Cancellation of 4 hours scheduled inspection after inspector's arrival on site: 2-hour minimum.
- <sup>6</sup> For contracts involving public works inspection services, Ardurra requires the awarding public agency to complete DIR form PWC-100 solely for Ardurra as the prime contractor specific to the awarded contract name and amount. A half-hour per week, per inspector labor compliance charge will be billed for all Prevailing Wage inspection assignments.

**Overall Notes:**

**Reimbursable Expenses (Other Direct Costs):** Ordinary identifiable non-salary costs that are directly attributable to the project, such as regular commuter travel costs, standard equipment, tools and software, etc., are included in the fee estimated above. Extraordinary expenses, such as oversized and/or color reproduction costs, vehicle identification decals, site facility hard phone line and/or internet service charges, non-commuter project miles and/or other travel expenses to remote (over 50 miles one-way) fabrication yards / batch plants, overnight postage / couriers, etc., are billed at actual cost plus fifteen percent (15%) to cover overhead and administration. Travel charges to a casting / fabrication yard or batch plant will include the hourly billing rate plus travel expenses as listed in the Caltrans Travel Guide (State rates). Mileage is billed at the current IRS rate (currently \$0.655/mile). An allowance for Extraordinary charges is included as Other Direct Costs (ODC) in the fee table above. Extraordinary charges above and beyond the estimated ODC allowance will not be billed to the Client unless specifically included in the contract or requested and approved by the Client in writing prior to incurring the additional expense.

**Fees for Subconsultant Services:** Billed at actual cost, plus fifteen percent (15%) to cover overhead and administration.

**Web Based Contract Administration:** Selected / specified cloud based service billed at cost plus fifteen percent (15%).

**Escalation:** Unless specified otherwise (such as for prevailing wage personnel), all billing rates are subject to annual escalation of 3.5% effective January 1 of each year the contract is in effect.

December 18, 2023

Joshua Basin Water District  
Attn: Brandon Warner  
61750 Chollita Road  
Joshua Tree, Ca 92252

**Subject: Proposal for Civil Engineering Services for JBWD's Tank E2-1 Repairs**

Mr. Warner,

Thank you for the opportunity to present this proposal to provide civil engineering consulting services for the Joshua Basin Water District's (JBWD) Tank E2-1 Repairs (Project), located at 60685 Moonlight Mesa Street, Joshua Tree, California. your consideration, this proposal will identify the professional engineering services offered by West Coast Civil, Inc. (WCC).

#### **SCOPE OF SERVICES**

Project objectives consist of the following:

- Line and coat existing steel tank
- Replace failing overflow piping
  - New piping shall penetrate the tank wall and outlet above grade on the tank exterior
  - The existing interior overflow outlet will be capped and sealed within the tank interior
  - A new swale and catch basin will be necessary to meet code air gap requirements
- Replace failing interior ladder

WCC will perform the following tasks to complete the Project objectives:

#### **Task 1: Project Management, Coordination, and Meetings**

WCC will perform project management services and attend project status meetings for the duration of the contract. Project management duties will consist of general coordination and development of monthly invoices. It is assumed that the design portion of the contract will last no longer than one year. It is estimated that up to 2 virtual milestone review meetings will be required for the Project.

#### **Task 2: 60% Construction Drawings and Specification TOC**

The 60% submittal content will include the following;

- Three (3) plan sheets (Title, Civil Site Plan, and Mechanical/Utility Plan and Sections)
- Civil Specification Table of Contents
- Structural Freeboard Calculations

At the 60% stage, WCC will utilize as-built plans to develop an existing conditions base map for the project (no topographic survey is anticipated for this project). Tank freeboard calculations will be performed based on pertinent building code allowable design criteria by a California licensed engineer (no geotechnical investigation is anticipated for this project). WCC will utilize the developed base map and freeboard calculation to develop 60% design plans and sections for the tank improvements. WCC will provide a table of contents for anticipated specifications to include at a minimum; tank coating, tank lining, steel piping, site concrete, concrete structures, and structural steel. WCC will provide the above listed 60% deliverable content for JBWD review and comment.

### **Task 3: 90% Construction Drawings and Specification TOC**

Prior to commencement of work towards the 90% submittal, WCC will meet with JBWD to review provided 60% comments. WCC will revise the 60% deliverable content per JBWD comments and review meeting coordination. In addition to the revised 60% content, WCC will prepare the following content for the 90% submittal:

- Civil Detail plan
- Civil, Mechanical, and Structural specifications
- Project cost estimate/bid list

It is assumed that Civil and Mechanical specifications will utilize the Standard Specifications for Public Works Construction (“Greenbook”) with supplementary special provisions as appropriate. Project specific Structural Specifications will be provided. The cost estimate will be formatted such that JBWD can utilize the native Microsoft Excel file as a bid list for competitive contractor bids by removing the Engineer input unit prices.

### **Task 4: Final Construction Drawings, Specifications, and Calculations**

Prior to commencement of work towards the final submittal, WCC will meet with JBWD to review provided 90% comments. WCC will revise the 90% deliverable content per JBWD comments and review meeting coordination. In addition to the revised 90% content, WCC will provide the following content for the Final submittal:

- Structural calculations

Structural calculations will be stamped and signed by a professional engineer licensed in the state of California. WCC will provide all Final submittal content in PDF format and native format (MS Excel, MS Word, etc.) as desired.

### **Task 5: Bid and Construction Support**

WCC will provide miscellaneous support services to answer any questions and/or requests for clarification during construction. This task includes reviewing construction

documents/submittals for design conformance and aiding JBWD if minor adjustments are required to support construction activities. WCC will prepare final record drawings from as-built mark-ups provided by JBWD. This task assumes that the as-built mark-ups are complete and thorough, and therefore, does not include field verification by WCC.

## ASSUMPTIONS

---

WCC obligations are based upon the following assumptions:

1. Design submittals will be made electronically in PDF format. If requested, WCC will also provide AutoCAD, Excel, and/or Word files
2. A GIS property boundary will be provided by JBWD and will be sufficient for the Project
3. As-built plans which have been provided by JBWD are sufficient to develop a base map for the Project and no topographic survey is required
4. Welded steel pipe will be utilized for the overflow piping. JBWD will provide direction for lining and coating to include materials and locations
5. If cathodic protection is desired for steel piping, WCC will utilize Water Agency Standard Drawings and Specifications. No work beyond reference annotation will be required in the Project plans and/or specifications
6. Freeboard calculations will be performed per current applicable codes/standards utilizing default seismic parameters per the current ASCE 7 and Risk Category IV
7. No geotechnical investigation and/or report will be provided
8. If required, JBWD will process all permitting. Any required changes to Project deliverables based on permitting coordination will be included in JBWD review comments on the 60% and/or 90% design submittals

## EXEMPTIONS

---

Tasks and Services not described in the Scope of Services section of this proposal are exempt. For the Client's understanding of WCC's proposed services, listed are noted exemptions:

- Topographic survey
- Environmental studies and reports, sub-surface explorations, and/or utility locating
- Low impact development (LID)
- Construction management
- Landscape architect and/or architectural design services
- Any permitting or other fees
- Shoring design, traffic control plans, special inspections
- Reprographics & delivery
- Other services not specifically described in this proposal

---

## ADDITIONAL SERVICES

---

Engineering services beyond the scope of this proposal are considered Additional Services. If requested by the Client, WCC will provide Additional Services on the basis of time and materials in accordance with the attached fee schedule, which is adjusted annually.

WCC is not obligated to perform such Additional Services unless an amendment to this Agreement has been fully executed setting forth the scope, schedule and fee for such Additional Service.

## PROFESSIONAL SERVICES FEES

---

WCC will provide the services described in the Scope of Services for a **lump sum fee of \$44,000 in accordance with the fee estimate attached.**

We appreciate the opportunity to offer this proposal. If you have any questions, please feel free to contact me or our President, Anthony Gonzalez.

Sincerely,



**Sean McCarty, P.E., PMP, QSD**  
Principal, West Coast Civil  
(619) 929 -1866 | sean@westcoastcivil.com



**Anthony Gonzalez, P.E.**  
President, West Coast Civil  
(858) 863 -1332 | anthony@westcoastcivil.com

WEST COAST CIVIL							18-Dec-23	
Fee Proposal to provide Civil Engineering Services for Tank E2-1 Repairs								
WCC - Joshua Basin Water District (JBWD)								
	WCC Classifications					SubConsultant	Total Hours	Fee Subtotal
	Principal Engineer	Project Manager	Project Engineer	Drafter				
Hourly Rates	\$ 235	\$ 205	\$ 165	\$ 120				
<b>Task 1: Project Management, Coordination, and Meetings</b>								
Coordination, Meetings, Conference Calls	2	4				\$ 500	6	\$ 1,790
District Design Review Meetings (assume 2 meetings)	2	2					4	\$ 880
<b>Task Sub-Total</b>	<b>4</b>	<b>6</b>				<b>\$ 500</b>	<b>10</b>	<b>\$ 2,670</b>
<b>Task 2: 60% Construction Drawings and Specification TOC</b>								
Title and General Notes (1-sheet)		1	2	4			7	\$ 1,015
Civil Site Plan (1-sheet)	1	2	8	20			31	\$ 4,365
Mechanical/Utility Plan and Sections (1-sheet)	1	2	8	20			31	\$ 4,365
Civil Specification Table of Contents	1	1					2	\$ 440
Structural Freeboard Calculation						\$ 1,100		\$ 1,100
<b>Task Sub-Total</b>	<b>3</b>	<b>6</b>	<b>18</b>	<b>44</b>		<b>\$ 1,100</b>	<b>71</b>	<b>\$ 11,285</b>
<b>Task 3: 90% Construction Drawings and Specifications</b>								
Title and General Notes (1-sheet)		1		2			3	\$ 445
Civil Site Plan (1-sheet)		1	2	4			7	\$ 1,015
Mechanical/Utility Plan and Sections (1-sheet)		1	4	8			13	\$ 1,825
Civil Details (1-sheet)		2	8	16			26	\$ 3,650
Civil/Mechanical Specifications	2	4	16				22	\$ 3,930
Structural Plans & Specifications						\$ 4,100		\$ 4,100
Cost Estimate/Bid List		2	4				6	\$ 1,070
<b>Task Sub-Total</b>	<b>2</b>	<b>11</b>	<b>34</b>	<b>30</b>		<b>\$ 4,100</b>	<b>77</b>	<b>\$ 16,035</b>
<b>Task 4: Final Construction Drawings, Specifications, and Calculations</b>								
Title and General Notes (1-sheet)	1			1			2	\$ 355
Civil Site Plan (1-sheet)	1	1		2			4	\$ 680
Mechanical/Utility Plan and Sections (1-sheet)	1	1	2	4			8	\$ 1,250
Civil Details (1-sheet)	1	1	2	4			8	\$ 1,250
Civil/Mechanical Specifications	1	2	8				11	\$ 1,965
Structural Plans, Specifications, & Calculations						\$ 3,100		\$ 3,100
Cost Estimate/Bid List		1	2				3	\$ 535
<b>Task Sub-Total</b>	<b>5</b>	<b>6</b>	<b>14</b>	<b>11</b>		<b>\$ 3,100</b>	<b>36</b>	<b>\$ 9,135</b>
<b>Task 5: Bid and Construction Support</b>								
RFIs and Product Submittal Review	2	4	8				14	\$ 2,610
As-Built Record Drawings	1	2	4	8			7	\$ 2,265
<b>Task Sub-Total</b>	<b>3</b>	<b>6</b>	<b>12</b>	<b>8</b>		<b>\$ -</b>	<b>21</b>	<b>\$ 4,875</b>
<b>Total for Professional Services</b>	<b>17</b>	<b>35</b>	<b>78</b>	<b>93</b>		<b>\$ 8,800</b>	<b>215</b>	<b>\$ 44,000</b>