

COACHELLA VALLEY WATER DISTRICT
PROFESSIONAL SERVICES CONTRACT
TASK ORDER NO. 1

This Task Order No. 1 ("Task Order") is entered into this _____ day of _____, 2023 by and between Coachella Valley Water District ("CVWD") and Todd Groundwater ("Consultant").

RECITALS

A. On or about June 7, 2023 CVWD and Consultant executed that certain Professional Services Agreement ("Agreement").

B. The Agreement provides that the Parties would enter into a Task Order to make changes to or authorize certain work set forth in the Scope of Services (as defined in the Agreement). The purpose of this Task Order is to make changes to or authorize work on the terms and conditions set forth herein.

NOW, THEREFORE, the Parties hereto hereby agree

1. Pursuant to Section 1.2 of the Agreement, CVWD hereby authorizes those services listed on Exhibit "1" attached hereto and by this reference incorporated herein.

2. Section 2.1 of the Agreement is hereby amended to increase the amount to be paid by CVWD to Consultant as more particularly set forth on Exhibit "1."

3. Consultant shall perform the services listed in Paragraph 1 above pursuant to the schedule set forth on Exhibit "1."

4. Consultant acknowledges that the compensation (time and cost) set forth herein comprises the total compensation due for the work defined in this Task Order. The signing of this Task Order acknowledges full mutual accord and satisfaction for the work and that the stated time and/or cost constitute the total equitable adjustment owed the Consultant as a result of the authorized work.

5. Except as amended or supplemented herein or in previous task orders, the terms and conditions of the Agreement shall remain in full force and effect. Notwithstanding the immediately preceding sentence, the Agreement shall be interpreted in a manner consistent with the intent of this Task Order.

[SIGNATURES ON FOLLOWING PAGE]

SIGNATURE PAGE FOR

TASK ORDER NO. 1

IN WITNESS WHEREOF, CVWD and Consultant have caused this Task Order No. 1 to be executed as of the day and year first above written.

TODD GROUNDWATER

COACHELLA VALLEY WATER DISTRICT

By: _____

By: _____

Name: _____

Name: _____

Its: _____

Its: _____

Date: _____

Date: _____

EXHIBIT "1"
TO
TASK ORDER NO. 1

A. Description of Services Authorized.

Consultant shall provide professional hydrogeological, groundwater modeling, water management planning services, and construction support during construction of the Salt and Nutrient Management Plan Monitoring Wells, Phase 2 Project (GD2401). The Services to be provided by Consultant shall include the tasks set forth in Consultant's proposal dated April 30, 2023, attached hereto and incorporated herein by this reference.

B. Increase, Decrease, or Confirmation of Amount to be Paid to Consultant.

The total compensation for services rendered by Consultant under this Task Order shall be billed based on the hourly rate sheet included in the proposal, for an amount not exceed the sum of \$29,170.

C. Time to Perform Services Listed Herein.

Services shall commence upon execution of this Task Order by both parties and shall conclude when construction of the Project is complete, on or about November 2023.



April 30, 2023

PROPOSAL

To: Ronald Khoury Coachella Valley Water District

From: Chad Taylor and Garrett Erickson

Re: Proposal – Drilling and Construction Support for SNMP Gap Filling Monitoring Wells G3 and G4, CVWD

Todd Groundwater (Todd) is pleased to submit this proposal to support the Coachella Valley Water District (CVWD) during drilling and construction of two new monitoring wells associated with the ongoing Salt and Nutrient Management Plan (SNMP) and Sustainable Groundwater Management Act (SGMA) monitoring requirements.

Todd recently prepared technical specifications for these two wells, identified as Monitoring Wells G3 and G4, and CVWD will be reviewing bids from contractors to drill and construct the wells in the coming weeks. Todd has supported CVWD during drilling and construction of previous gap filling monitoring wells through a combination of onsite observation and remote support.

As requested, Todd has prepared this proposal to assist CVWD with remote drilling and construction coordination, lithologic and geophysical log review, and final monitoring well design, submittal and RFI review, progress meeting attendance, reporting, and project management. We understand and appreciate the logistical challenge of working in the selected locations and have prepared the scope of work below CVWD and the selected drilling contractor (Contractor) to successfully complete the project. The scope and costs below do not include onsite observation by Todd staff during the project. The scope and costs assume CVWD staff will be responsible for onsite observation with remote support and coordination from Todd. However, if Todd staff do need to be onsite we have prepared an optional task (Task 7) to provide a geologist to perform soil sample characterization, lithologic log preparation, and/or onsite observation during drilling, well construction, and/or development.

SCOPE OF WORK

Task 1. Remote Drilling and Construction Coordination Support

Todd staff will provide remote project coordination throughout the duration of monitoring well drilling and construction. This will include daily coordination via phone and email with Contractor onsite personnel and CVWD staff. Onsite inspections, soil logging, and monitoring well construction and development observation will be the responsibility of

CVWD staff. This was the approach used in the recently completed SNMP gap filling monitoring well construction project and employing it for this project will provide cost effective observation presence with experienced remote coordination.

During drilling Contractor staff will collect soil samples and prepare preliminary lithologic descriptions of the materials encountered in each borehole. CVWD staff will perform routine onsite inspections and will review soil samples and lithologic descriptions for general consistency. Once total depth is reached in each borehole, a geophysical log will be completed by a subcontractor retained and coordinated by the Contractor. These data will be reviewed and used to develop final monitoring well designs, as described in Task 2.

During well construction Todd staff will coordinate with the Contractor and CVWD staff to confirm that each well is constructed in accordance with the technical specifications and final well design. This will include daily telephone and email communication with Contractor personnel and CVWD inspectors, confirmation of well materials, and review of measurements and photographs collected in the field.

Following well construction, Todd staff will coordinate with CVWD staff to track development, wellhead completion, and site cleanup. While developing each well this will include tracking development flow, water level, and field-collected water parameter (e.g., salinity, pH, turbidity, and sand content) information reported by the Contractor. Following development this coordination will include confirmation with CVWD staff that wellhead construction and site cleanup have been completed to CVWD's satisfaction.

Task 2. Lithologic / Geophysical Log Review and Final Monitoring Well Design

CVWD and Contractor staff will manage collection and lithologic logging of soil samples during drilling and performance of geophysical logging. This information will be conveyed to Todd staff via email for preparation and evaluation of a profile of the hydrogeologic conditions at each site. Upon reaching total depth and completion of geophysical logging, Todd staff will work with CVWD staff to prepare final monitoring well designs for each site. Final well designs will be prepared within 8 working hours of accepting both final geophysical and lithologic logs for each well. The design will be provided to CVWD staff for review prior to finalization and submittal to the Contractor for construction. CVWD staff should review draft designs within 4 working hours so that final designs can be submitted to the Contractor within 24 hours of acceptance of geophysical and lithologic logs to allow for timely construction of each well.

Deliverables:

- Final well construction details in the form of bullet lists and drawings, presented in draft to CVWD staff for review prior to submittal to Contractor for construction

Task 3. Submittal and RFI Review and Response

We will support CVWD in reviewing and responding to all submittals, RFIs, and other questions (collectively referred to hereafter as submittals) presented by the Contractor during the project. This will include tracking submittals through CVWD's Masterworks

project management platform and review and preparation of responses for each submittal. Specific assistance in this task will depend on the number and nature of submittals received. We will coordinate with CVWD staff to develop responses to all submittals to any unclear, confusing, or non-standard submittal.

Deliverables:

- Responses to submittals, RFIs, and questions as needed throughout the project

Task 4. Progress Meetings and Responses to Questions

Todd staff will attend meetings and respond to all CVWD questions throughout the duration of the project. It is assumed that this task will include a pre-construction meeting with the selected Contractor and that progress meetings will be held monthly thereafter during the approximately two month well drilling and construction period. It is also assumed that all meetings will be conducted virtually.

Meetings:

- Virtual pre-construction meeting prior to mobilization of equipment to the first well site.
- Two (2) monthly progress meetings during the project.

Deliverables:

- Draft and final versions of the project documentation report submitted electronically in pdf format.

Task 5. Analysis and Reporting

After the wells have been constructed, the sites cleaned to CVWD's satisfaction, and the Contractor has provided all required and requested submittals, Todd staff will prepare a report documenting and summarizing all well drilling, final design, construction, and development activities. The report will be submitted to CVWD in draft for review within six weeks of the completion of the field program. CVWD comments will be incorporated in the final report. The final report along with all graphics, tables, and appendices will be provided to CVWD in pdf format.

Deliverables:

- Draft and final versions of the project documentation report submitted electronically in pdf format.

Task 6. Project Management

This task includes project administration and communications between Todd Groundwater, CVWD, and the selected Contractor for the duration of the project. We will provide daily updates to CVWD during active field work documenting activities completed, preliminary findings, and any technical issues.

Todd Groundwater will also review Contractor invoices on behalf of CVWD to confirm that the contractor provides accurate accounting and billing of time and materials.

Deliverables:

- Daily status updates during active field work.
- Monthly invoices and project status summaries submitted through Aurigo Masterworks.
- Comments on Contractor invoices and recommendations for invoice payment.

Task 7. Optional: Onsite Observation, per day

Optional onsite observation by Todd staff can be added to this project on a per day basis if necessary. If exercised, this optional task would provide a Todd geologist for soil sample review and lithologic logging, drilling, well construction, and/or well development observation. The costs for this optional task have been prepared on a daily basis and incorporate all required travel time and costs, including the costs and time required to travel via airplane to the project site. The daily rate will be lower if Todd staff are onsite for multiple consecutive days, spreading airfare costs and travel time over more days of onsite observation.

COST ESTIMATE

The estimated total project budget for this scope of work without optional Task 7 is \$29,170, as shown in the itemized budget attached in Table 1. The estimated cost per day for onsite observation as described in optional Task 7 is \$3,050 per day. As noted above, this cost will be lower for multiple consecutive days of onsite observation because travel time and costs would be spread over more days. As an example, a week (five days) of onsite observation is estimated to cost \$9,900, which is just over three times the daily cost.

Todd Groundwater submits monthly invoices on a time and materials basis in accordance with our attached Schedule of Charges. We regard this as a not-to-exceed budget, and we will not bill in excess of the budget without prior written approval.

SCHEDULE

The schedule for this project will be dependent on the Contractor CVWD selects for well construction. Todd will work with CVWD and the Contractor to establish and maintain the schedule throughout the project.



Table 1. Budget

Job Name: Design, Prepare Technical Specifications, and Provide Bid Support for SNMP Gap Filling Monitoring Wells G3 and G4

Client: Coachella Valley Water District

Hourly Rates	Chad Taylor, Principal Hydrogeologist \$240	Brent Johnson, Associate Hydrogeologist \$180	Arden Wells, Associate Geologist \$180	Garrett Erickson, Staff Geologist \$150	GIS / Graphics Hours \$135	Admin Hours \$125	Total Labor Hours	Labor Costs	Other Direct Costs	Estimated Cost
Task 1. Remote Drilling and Construction Coordination Support	10	10	5	25	0	0	50	\$8,850	\$0	\$8,850
Task 2. Lithologic / Geophysical Log Review and Final Monitoring Well Design	6	6	2	8	4	0	26	\$4,620	\$0	\$4,620
Task 3. Submittal and RFI Review and Response	5	3	0	5	2	0	15	\$2,760	\$0	\$2,760
Task 4. Progress Meetings and Responses to Questions	5	4	2	5	0	0	16	\$3,030	\$0	\$3,030
Task 5. Analysis and Reporting	5	5	2	15	10	0	37	\$6,060	\$0	\$6,060
Task 6. Project Management	15	0	0	0	0	2	17	\$3,850	\$0	\$3,850
Totals	46	28	11	58	16	2	161	\$29,170	\$0	\$29,170

Task 7. Optional: Onsite Observation, per day	0	0	0	15	0	0	15	\$2,250	\$800	\$3,050
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PLANNING • DEVELOPMENT • MANAGEMENT • PROTECTION

SCHEDULE OF CHARGES

Amendment No. 2, CVWD On-Call Services Specification 2017-87, April 2021

Title	Name	Agency Rate
Officer/President	Iris Priestaf	\$ 255
Officer/Vice President	Phyllis Stanin	\$ 255
Principal Hydrogeologist	Michael Maley	\$ 240
Principal Hydrogeologist	Chad Taylor	\$ 240
Consulting Hydrogeologist	Sally McCraven	\$ 240
Senior Hydrogeologist	Dan Craig	\$ 240
Senior Hydrologist	Gus Yates	\$ 240
Senior Hydrogeologist	Liz Elliott	\$ 235
Senior Engineer	Katherine White	\$ 235
Senior Engineer	Maureen Reilly	\$ 235
Associate Engineer	Lindsay Hall	\$ 185
Associate Geologist	Brent Johnson	\$ 180
Associate Geologist	Arden Wells	\$ 180
Staff Geologist	Garrett Erickson	\$ 150
Staff Geologist	Edward Potts	\$ 150
Staff Geologist	Nicole Grimm	\$ 145
Staff-Geologist	Evan Bosinger	\$ 145
Graphics Coordinator	Michael Wottrich	\$ 135
Office Manager	Cynthia Obuchi	\$ 125
Intern		\$ 110

Travel Time

Travel time will be charged at regular hourly rates.

Litigation, Depositions, and Testimony

Deposition and trial testimony are charged at twice hourly rates.

Outside Services

All services not ordinarily furnished by Todd Groundwater, including printing, subcontracted services, local mileage, travel by common carrier, etc. are billed at cost. Local mileage is billed at the current Federal mileage rate.