

Fax (435) 940-1945

Mountain Regional Water is a political subdivision of Summit County and thereby exempt from State and Local Sales Tax. If a tax exemption certificate is required, please request a completed Utah State Form 721 from Financial Officer.

Task Order No. 005

Engineering Services

In accordance with the terms and conditions contained in the *Professional Engineering Services Agreement between Mountain Regional Water Special Service District (the "DISTRICT") and Carollo Engineers, Inc., (the "ENGINEER")*, this Task Order hereby authorizes the ENGINEER to perform for the DISTRICT the specific services described herein.

SCOPE OF WORK: See Exhibit A

COMPENSATION: See Exhibit B

INVOICES: Monthly in accordance with the Professional Engineering Services Agreement

TIME FOR COMMENCEMENT: Upon receipt of authorization

ESTIMATED COMPLETION: See Exhibit A

REPORTING REQUIREMENTS: See Exhibit A

OTHER PROVISIONS: None

Upon execution of this Task Order, the DISTRICT and the ENGINEER agree to be bound to and to comply with all of the terms and conditions contained in the above referenced Agreement, except as modified by the specific terms and conditions herein.

APPROVED AND ACCEPTED BY:

**Mountain Regional Water
Special Service District**

Carollo Engineers, Inc.

By: _____
Name: Andy Garland
Title: General Manager
Date: _____

By: _____
Name: _____
Title: _____
Date: _____

MOUNTAIN REGIONAL WATER SPECIAL SERVICE DISTRICT

WATER TREATMENT PLANT OPTIMIZATION

EXHIBIT A

TASK ORDER NO. 05

CONSTRUCTION MANAGEMENT SERVICES

SCOPE OF WORK

Mountain Regional Water Special Service District (District) owns and operates the Signal Hill Water Treatment Plant (SHWTP). Due to increasing demand and challenges with the existing facility, the District is looking to improve and expand SHWTP from its current firm capacity of 2.6 MGD to 5.4 MGD, the maximum available raw water from the Lost Canyon Importation Project.

The key objectives of this project are to retrofit and optimize SHWTP to reliably treat 5.4 MGD, and improve operations, maintenance, and safety.

This Task Order No. 5 is the scope of work to provide engineering and construction services for Phase 3 of the project—construction.

This Phase 3 task order is divided into distinct tasks, as follows:

1. Project Management During Construction
2. Construction Contract Administration
3. Field Services & Construction Management
4. Documentation & Project Closeout

The details of Phase 3, including the associated tasks and subtasks that Carollo Engineers (ENGINEER) will complete are detailed herein.

SCHEDULE

This Scope of Services is based on a total duration of 37 months, beginning at the start of construction to twelve (12) months past substantial completion. An estimated schedule with key milestones is shown below.

Milestone	Schedule Estimate
Notice to Proceed	November 2026
Substantial Completion	December 2028
Final Completion	March 2029

Process Optimization and Warranty Support	December 2028 - November 2029
Record Drawings	April 2029

PHASE 3 – CONSTRUCTION MANAGEMENT SERVICES

ENGINEER will provide engineering and construction management services related to the major tasks below.

Task 1: Project Management During Construction

ENGINEER will provide project management for this phase, including project administration, monthly invoicing, and client and team coordination. The duration of project management activities shall be as described in the assumptions below.

Additionally, ENGINEER will attend bi-weekly project meetings with MRW staff to go over construction progress, discuss construction activities, and address any issues or concerns that have occurred that period.

Task 1 Assumptions:

- Total length of project management activities for the construction phase is 27 months (beginning October 2026 through December 2028).
- A total of 52 project progress meetings are assumed, attended by 1 ENGINEER staff. Duration of each meeting is assumed to be 1 hour.

Task 2: Construction Contract Administration

ENGINEER shall provide contract administration services, as described in the assumptions below. This includes office engineering tasks such as review of submittals, RFIs, reviewing change order requests, and issuing design clarifications.

Task 2 Assumptions:

- The fee assumes the following numbers of submittals, RFI's, and Contractor change proposals:
 - Submittal Reviews: 486
(Up to 2 submittals or resubmittals from each of 243 specifications)
 - RFIs: 275 (1 per drawing)
 - Change order requests/design clarifications: 50 change order requests and/or design clarifications.

- The fee includes budget for SKM to conduct submittal reviews, assist in responding to RFIs, and assist in preparing design clarifications.
- ENGINEER will provide construction management software (Autodesk Forma) for use by Owner, Engineer, and Contractor.

Task 3: Field Services & Construction Management

ENGINEER will provide field services and construction management as described in the subtasks below.

Subtask 3.1: Construction Management

ENGINEER will provide a construction manager whose role includes reviewing and approving pay requests, reviewing change order requests, attending the construction kickoff meeting, and preparing/distributing minutes from all construction meetings.

Subtask 3.1 Assumptions:

- Construction Manager hours are based on a budget of 2,000 hours for construction management tasks.

Subtask 3.2: Construction Meetings

ENGINEER will attend construction coordination meetings.

Subtask 3.2 Assumptions:

- Construction meetings will be attended by two ENGINEER staff (Construction Manager and Inspector).

Subtask 3.3: Inspection Services

ENGINEER will provide a full-time Inspector who will provide inspection services and will attend all construction coordination meetings. Inspection services are based on a 24-month construction schedule and assume a good working relationship with the general contractor.

Subtask 3.3 Assumptions:

- Special Inspections and materials testing required by the IBC are not included in the Scope and will be contracted separately and paid for by the Owner.
- Construction Manager hours are based on a budget of 650 hours for inspection services.

- Inspector hours are based on a budget of 4,000 hours for inspection services.
- Construction Manager and Inspector will be based locally and a mileage reimbursement for personal car usage will be billed for travel for job-related activities.
- An allowance is included for the Geotechnical sub to provide field observations and consulting services during construction.

Subtask 3.4: Engineer Observations On-Site

ENGINEER will provide on-site field observations to observe the quality and progress of the construction with the following goals:

- To confirm the provisions of the construction contract documents are being fulfilled. This includes structural observations required by code to satisfy engineer of record requirements.
- To advise the Construction Manager and Inspector when defects and deficiencies are observed in the work.

This subtask provides services that focus on more detailed and discipline specific conformance of the Construction Contractor's completed work with the Contract Documents. Visits will be made by ENGINEER staff from various disciplines, with the primary focus on structural observations required by the Structural Engineer.

ENGINEER shall provide the following discipline and specialty staff to review work in progress:

Discipline	Person-Site Visits
Civil	16
Structural	24
Instrumentation	6
HVAC/Plumbing	1
Process	24
Architect	1
TOTAL VISITS	72

Subtask 3.4 Assumptions:

- Construction Manager and Inspector will be based locally and a mileage reimbursement for personal car usage will be billed for travel for job-related activities.

- An allowance for Geotechnical sub to provide observations.
- Travel expenses include car mileage for 80 local site visits and trip expenses for 8 out-of-town visits.

Subtask 3.5: Startup and Commissioning Support

ENGINEER will oversee startup services for all equipment items to verify their proper operation. ENGINEER will witness functional testing of all equipment and controls for compliance with Contract Documents. ENGINEER will attend and participate in workshops and meetings with the Contractor associated with commissioning and startup planning and implementation. ENGINEER's start-up and commissioning staff will submit field notes after each stage.

Subtask 3.5 Assumptions:

- Fee for SKM services is not included in subtask 3.5 since SKM will be a sub to contractor and serve as the integrator.
- Travel expenses include car mileage for 11 local site visits and trip expenses for 9 out-of-town visits.

Task 4: Documentation & Project Closeout

As part of the project's final documentation and project closeout, Consultant will provide the following services:

Subtask 4.1: Project Closeout

ENGINEER will prepare punch lists for substantial and final completion and will process all documentation for the final pay request and project closeout.

Subtask 4.2: Record Drawings

ENGINEER will take the Contractor's record drawing markups, RFIs, work change directives, and change orders and transfer the changes to the electronic CAD drawings. ENGINEER will provide one electronic copy of the record drawings in PDF format. All CAD files will be provided to the Owner.

Subtask 4.2 Assumptions:

- Final record drawings for up to 275 drawings.

Subtask 4.3: Operations Manual

ENGINEER will prepare an electronic operations manual in PDF format that includes the construction drawings and references the manufacturer's electronic O&M manuals. The operations manual will include process start-up, shutdown, and troubleshooting procedures.

Subtask 4.4: Optimization Services and Warranty Support

ENGINEER will provide process optimization services following substantial completion of the project. The process optimization and warranty support will last for approximately 12 months starting at substantial completion. Process optimization services include data analysis of membrane operations (similar to full-scale testing data analysis conducted earlier in this project) over the first 6 months of full-scale operations of the new membrane system.

ENGINEER will coordinate any warranty requests and work with the Contractor and will provide inspection/oversite of all warranty work. ENGINEER will visit the Project site near the end of the warranty period to review structures, equipment, and systems. ENGINEER will identify items that are not functioning in accordance with the design intent and develop corrective actions and issue to the Contractor.

Subtask 4.4 Assumptions:

- Travel expenses include car mileage for 20 local site visits.

Items Not Included in the Scope of Work Include the Following:

- Cost of obtaining any required permits.
- Resolution of major disputes and/or claims that result in legal action.
- Extended work hours or weekend work/inspection if Contractor falls behind schedule.
- Special Inspections required by the IBC and testing for Quality Control/Quality Assurance regarding concrete testing, compaction testing, etc.

Exhibit B - Fee Schedule - Construction Management Services

Mountain Regional Water Special Service District
Engineering Services for the Signal Hill WTP Optimization Project

			Key Staff																							
			Alan Domonoske, Project Director	Brad Buswell, Project Manager	Cody Randall, Construction Manager	Field Inspector	Dustin Whynman, Mechanical Lead	Jacob Baer, Civil Lead	Craig Brinck, Structural Engineer	Matt Hatch, Instrumentation & Controls	Kevin Colwell, Building Mechanical Engineer	Janessa Antunovich, Architect	Project Professionals	Professional Engineers	Assistant Engineering Staff	CAD/BIM Lead	CAD/BIM Senior Tech	CAD/BIM Tech	Document Processing / Clerical	Labor Hours	Labor Costs	Travel Expenses	Subs and Other Direct Costs	SKM Costs (Includes 10% Markup)	PECE \$18/hr	Total Phase 3 Cost
Task	Subtask	Task Description																								
		2026 Billing Rate	\$302	\$237	\$190	\$150	\$270	\$270	\$270	\$270	\$237	\$204	\$237	\$204	\$172	\$226	\$183	\$140	\$106							
		2027 Billing Rate	\$314	\$246	\$197	\$156	\$280	\$280	\$280	\$280	\$246	\$212	\$246	\$212	\$178	\$235	\$190	\$145	\$110							
		2028 Billing Rate	\$326	\$255	\$204	\$162	\$291	\$291	\$291	\$291	\$255	\$220	\$255	\$220	\$185	\$244	\$197	\$150	\$114							
Phase 3 - Construction Management Services																										
Task 1 - Project Management During Construction			54	484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	538	\$ 137,688	\$ -	\$ -	\$ 6,861	\$ 9,684	\$ 154,233
	Subtask	1.1 Project Management Activities	54	432															486	\$ 124,740			\$ 6,861	\$ 8,748	\$ 140,349	
	Subtask	1.2 Progress Meetings		52															52	\$ 12,948				\$ 936	\$ 13,884	
																			0	\$ -				\$ -	\$ -	
																			0	\$ -				\$ -	\$ -	
Task 2 - Construction Contract Administration			4	129	1,044	0	211	211	211	211	211	462	633	662	8	38	38	132	4,416	\$ 969,316	\$ -	\$ -	\$ 53,312	\$ 79,488	\$ 1,102,116	
	Subtask	2.1 Submittals	0	87	729	0	146	146	146	146	146	292	408	437	0	0	0	87	2,916	\$ 639,312			\$ 35,162	\$ 52,488	\$ 726,962	
	Subtask	2.2 RFIs	0	22	275	0	55	55	55	55	55	110	165	165	0	0	0	33	1,100	\$ 244,735			\$ 13,460	\$ 19,800	\$ 277,995	
	Subtask	2.2 Change Orders & Design Clarifications	4	20	40	0	10	10	10	10	10	60	60	60	8	38	38	12	400	\$ 85,269			\$ 4,690	\$ 7,200	\$ 97,159	
																			0	\$ -				\$ -	\$ -	
Task 3 - Field Services & Construction Management			11	73	2,804	4,160	88	139	115	31	31	13	30	56	44	0	0	0	0	7,596	\$1,390,303	\$ 87,000	\$ 11,000	\$ 5,614	\$ 136,730	\$ 1,630,646
	Subtask	3.1 Construction Management			2,000														2,000	\$ 399,385				\$ 36,000	\$ 435,385	
	Subtask	3.2 Construction Coordination Meetings			96	96													192	\$ 34,455				\$ 3,456	\$ 37,911	
	Subtask	3.3 Inspection Services			600	4,064													4,664	\$ 766,476	\$ 59,000			\$ 83,952	\$ 909,428	
	Subtask	3.4 Engineer Observations On-Site	4	19	0	0	34	103	115	13	13	13	19	27	19	0	0	0	0	380	\$ 102,068	\$ 16,000	\$ 11,000	\$ 5,614	\$ 6,842	\$ 141,523
	Subtask	3.5 Startup and Commissioning Support	7	54	108	0	54	36	0	18	18	0	11	29	25	0	0	0	0	360	\$ 87,919	\$ 12,000			\$ 6,480	\$ 106,399
																			0	\$ -				\$ -	\$ -	
																			0	\$ -				\$ -	\$ -	
Task 4 - Documentation & Project Closeout			47	82	290	0	10	0	0	10	0	0	203	267	312	28	138	138	30	1,552	\$ 328,314	\$ 2,000	\$ -	\$ -	\$ 27,936	\$ 358,250
	Subtask	4.1 Project Closeout			180														180	\$ 36,720				\$ 3,240	\$ 39,960	
	Subtask	4.2 Record Drawings	0	0	0	0	0	0	0	0	0	94	94	55	28	138	138	6	550	\$ 109,637				\$ 9,900	\$ 119,537	
	Subtask	4.3 Operations Manual	5	30	30	0	10	0	0	10	0	109	109	169	0	0	0	25	496	\$ 106,908				\$ 8,928	\$ 115,836	
	Subtask	4.4 Optimization Services and Warranty Support	42	52	80								64	88					326	\$ 75,049	\$ 2,000			\$ 5,868	\$ 82,917	
																			0	\$ -				\$ -	\$ -	
																			0	\$ -				\$ -	\$ -	
Subtotals for Phase 3 - Construction Services			116	768	4,138	4,160	309	350	326	252	242	224	695	955	1,018	36	176	176	162	14,102	\$2,825,621	\$ 89,000	\$ 11,000	\$ 65,787	\$ 253,838	\$ 3,245,245

**CAROLLO ENGINEERS, INC.
CONSTRUCTION SERVICES FEE SCHEDULE
MOUNTAIN REGIONAL WATER SIGNAL HILL WTP OPTIMIZATION**

As of September 1, 2026

	<u>Hourly Rate</u>
Engineers/Scientists	
Assistant Professional <i>(Staff engineers)</i>	\$172.00
Professional <i>(Registered staff engineers)</i>	204.00
Project Professional <i>(Brad)</i>	237.00
Lead Project Professional <i>(Matt H, Jake)</i>	270.00
Senior Professional <i>(Alan, Dan)</i>	302.00
Technicians	
Technicians	140.00
Senior Technicians	183.00
CAD/BIM Lead	226.00
Support Staff	
Document Processing / Clerical	106.00
Construction and Field Staff	
Construction Manager	204.00
Field Inspector	140.00
Project Equipment Communication Expense (PECE) Per DL Hour	17.00
Other Direct Expenses	
Travel and Subsistence	at cost
Mileage at IRS Reimbursement Rate Effective January 1, 2026	\$0.725 per mile
Subconsultant	cost + 10%
Other Direct Cost	cost + 10%