



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

Office - 916-354-3700 * Fax - 916-354-2082

IMPROVEMENTS COMMITTEE

(Directors Randy Jenco and Martin Pohll)

Special Meeting

January 11, 2023 at 3:00 p.m.

This meeting will be held via ZOOM video conference only. You can join the conference by (1) logging on to <https://us02web.zoom.us/j/83036480243>, entering Meeting ID no. 830 3648 0243 and using the audio on your computer, or (2) dialing into 1-669-900-9128 and entering the meeting code 830 3648 0243. Those wishing to join with audio only can simply call the telephone number above and enter the code. Participants wishing to join the call anonymously have the option of dialing *67 from their phone. Please refer to your telephone service provider for specific instructions. **PLEASE NOTE – MOBILE DEVICE USERS MAY NEED TO INSTALL AN APP PRIOR TO USE AND MAC AND PC DESKTOP AND LAPTOP USES WILL REQUIRE YOU TO RUN A ZOOM INSTALLER APPLICATION – PLEASE FOLLOW DIRECTIONS AS PROVIDED BY ZOOM. IT IS RECOMMENDED YOU ATTEMPT TO LOGIN AT LEAST 5 MINUTES BEFORE THE START OF THE MEETING.**

AGENDA

1. Call to Order
2. Consider Finding That as a Result of the COVID-19 Emergency: (i) Meeting in Person Would Present Imminent Risks to the Health or Safety of Attendees; and (ii) the Meeting is Authorized to be Held by Teleconference Pursuant to Gov. Code, § 54953, subd. (e)(1)(C).
3. Comments from the Public
4. Monthly Update
5. Memo to Adkins/Maddaus regarding IWMP public involvement
6. Report on New Year's Eve Storm
7. District Engineer Task Orders:
 - a. Granlees Design
 - b. Lift Station Design
 - c. Lift Station Backup Power Design
 - d. Rio Oso Booster Pump Study
 - e. Dam Reporting Assistance
8. Director and Staff Comments/Suggestions
9. Adjournment

"In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 24 hours prior to a special meeting, will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting."

In compliance with the Americans with Disabilities Act if you are an individual with a disability and you need a disability-related modification or accommodation to participate in this meeting or need assistance to participate in this teleconference meeting, please contact the District Office at 916-354-3700 or awilder@rmcsd.com. Requests must be made as soon as possible.

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is December 30, 2022. Posting locations are: 1) District Office; 2) Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: January 9, 2023
To: Improvements Committee
From: Travis Bohannon – Interim Director of Operations
Subject: Monthly Improvements Committee Updates

SB 170 PROJECTS – No updates to report since last month.

Water Treatment Facility Sodium Hypochlorite Conversion – There have been no updates since last month.

History: HDR has completed the design to the 60% level Design. The 60% design provided an AACE Class 2 construction cost range of \$520,000 - \$660,000 (not including design costs). The District had previously envisioned \$892,500 to complete the project, with \$352,000 allocated from the SB 170 funding. Adding in the \$238,300 design fees would bring the range of estimated total cost of the project to \$758,300 - \$898,300. Staff are expecting draft 100% design sometime in the spring.

Recycled Water Disinfection Project – Dewberry is in the process of getting information needed to prepare the preliminary engineering design.

Granlees Safety Improvements – There have been no updates since last month.

History: The District has received the preliminary engineering report (PER) for the Granlees safety improvements. The report has been reviewed and the District provided comments to HDR. The preliminary engineering report provided an AACE Class 5 construction cost range of \$300,000 - \$720,000 (not including design costs). The District had previously envisioned \$945,000 to complete the project, with \$170,000 allocated from the SB 170 funding.

The district performed a condition assessment in the forebay structure. This procedure required isolating the structure and utilizing RMCSO equipment to clean out accumulated debris. The condition assessment will be referenced during the design phase for any potentially needed structural repairs.

The forebay report has been reviewed by District staff. The District intends to contract with the District Engineer for design services.

WATER

Water plant 1 is down for maintenance and will probably be down the rest of the month. Plant 2 is operating at about 720,000 gallons a day.

Granlees forebay was filled with debris and the CIA ditch has some extensive damage from recent storms that will need to be repaired before we can start pumping again from the river to our lakes. The District will set up a meeting soon to discuss ditch repair with the Cosumnes Irrigation Association.



Pictures of Granlees Forebay



Pictures of CIA Ditch

Due to the recent floodings, it has also been noticed that the subdrain pump stations around the lakes are not working as expected. Staff will be evaluating this issue and will bring any necessary items back to the Improvement Committee.

On a good note, the storm provided about 40 million gallons of water into both Calero and Chesbro lakes and filled Clementia lake.

SEWER

Wastewater Facility

The wastewater facility is off for the season. Dewberry Engineers was onsite in December to check on items for the hypo project.

Lift Station Projects

Lift Station Rehabilitation – Staff have received task orders and intend to submit these for Board approval at the next Board meeting.

DRAINAGE

Lake 11 Project – January 9, 2023, the contractor is working on the final items on the punch list to get the project completed. Due to the rain and flooding of the area, this project has yet to be completed. The project performed as expected and removed the flood water in a timely manner.



Lake 11 area flooded



Lake 11 after flood water receded

SITE DEVELOPMENT UPDATE – Due to rains not much to update this month. Our district inspectors are keeping an eye on the SWPPP's that are in place to ensure that they are working properly.

Riverview: Concrete and paving are completed. Contractors are now raising iron and setting meter boxes. The contractor has hydro seeded the site and upgraded its SWPPP plans.

Retreats: Water meter and services have been installed in the two model homes per contractor's request. The contractor has installed all the water meter boxes. Street lighting and street signs installation is ongoing. Our district inspectors are working with their SWPPP contractors to ensure all project grounds are secure and contained.

Circle K/Shell: Gas station concrete slab and awning are built. The contractor is working on getting their fire service installation approved by the Fire Marshall. The contractor is continuing construction on the Circle K building.

Murieta Gardens Lot 2 (Tractor Supply): Contractor has completed most all main structures including patio walkways and driveways. Contractor continues working on the building amenities including landscape and other portions of the project. Their goal is to be all finish by late January.

Murieta Gardens Pet Hospital (Lot 12): Contractor has started on moving dirt to prepare for construction.

MEMORANDUM

Date: January 4, 2023
To: Dan Scalas, Adkins Engineering
Lisa Maddaus, Maddaus Water Management, Inc
CC: Improvements Committee
From: Michael Fritschi, P.E. – Interim General Manager
Subject: Affirmation of IWMP Community Involvement

1. With the receipt of the fully executed agreement, the District looks forward to beginning the Integrated Water Master Planning (IWMP) process.
2. While community involvement in the IWMP process was assumed and discussed in the recent Board and Committee meetings, it was not specifically itemized in the scope of work.
3. I understand the importance of community involvement in a plan like the IWMP. I also understand that there will need to be some discussion regarding the format, timing, and depth of said community involvement. The District wants to ensure that a meaningful process is established to adequately represent the potential stakeholders and that the process is productive.
4. It is my understanding that this project component will be integrated into the existing scope of work if not already assumed. I look forward to discussing this with you more as the project unfolds.

MEMORANDUM

Date: January 11, 2023
To: Improvements Committee
From: Michael Fritschi, P.E. – Interim General Manager
Subject: New Year's Eve Storm

Recommended Action

It is recommended that staff and contractors responsible for the continued functionality of infrastructure during the New Year's Eve storm of 2022 be officially recognized by the Board with commendation for their momentous efforts.

It is recommended that Committee and the Board continue the support of maintaining key water and sewer infrastructure.

Background

On January 30th a storm had begun that would create historical peak flooding conditions by 10 AM the morning of New Year's Eve at 16.83 feet (67,800 cfs). This is the highest level recorded at Michigan Bar in readily available from 2007 to current, roughly 1.7 feet higher than the peak event in 2017 (15.11 ft, 48,800 cfs).

On Saturday December 31, 2022, operations staff responded to calls from increased flooding around the Rancho Murieta. Along with numerous drainage items, crews responded to issues related with infiltration overwhelming Lift Station 6B, Main Lift North, and Main Lift South storm pumps. Through the combined efforts of (7) utility and operations staff, (5) Security staff, District Electrical Contractor, (2) Pumping Contractors, and a local resident, the District did not experience a sewage spill and all storm pumps were maintained in operation for the duration of the storm.

Most of the eminent challenges were due to excessive inflow and infiltration (I/I) experienced in the Unit 6 area of the North and at Main Lift North.

The combination of the increased force main discharge pressure from Main Lift North (which 6B discharges to) caused Lift 6B pumps to begin to fall behind in keeping up with the rising level of sewage within the wet well. To prevent sewage from spilling, the District pumping contractor EDCO and another pumping contractor (supplied by SAC OES) were pressed into service to pump and truck sewage to the wastewater treatment facility.

At Main Lift North (MLN) (which conveys all the sewage from the north) the system also experienced high levels of I/I and the large pumps were keeping up with the flow until one pump failed due to ragging. Normally when one pump needs service there are enough readily available pumps to handle flows. With the excessive I/I, the MLN pumps could not keep up with the sewage

coming into the station with one pump out of service. This placed the station at the risk of overflowing. Onsite pumping contractors were directed to also assist in keeping MLN station from overflowing. The pump was repaired (de-ragged) and returned to service.

At main lift south (MLS) there are sewage pumping and storm water pumping facilities lodged at the same station. The storm water pumps in MLS were not keeping up with the storm water coming in from the South. The District electrical contractor and a local resident was able increase the voltage to the pumps and the pumps were able to operate and keep up with the incoming drainage.

There were reports of the Murieta Villages and Storage flooding. This was an unfortunate situation attributed to the extraordinarily high river level causing the gravity storm water section flows to back up into the system.

The Granlees forebay was filled with sand/silt and the CIA ditch was eroded and filled with sand along several sections of its alignment. This section of the Cosumnes was completely inundated. A majority of the sand was recently removed from the forebay and the District will be meeting with other CIA representatives to discuss repair schedules for the reestablishment of the ditch service.

Security

Security staff played a role in keeping the gates manned and continued communications through the South Gate. One officer, on his day off risked entry to Rancho Murieta through flooded roads in his 4x4 to ensure staff was relieved. Another (3) gate and patrol officers worked extended periods and another gate officer came in on their day off to ensure that the gates stayed open. Some of the patrol officers that made it into Rancho Murieta sustained some damage to their personal vehicles.

Response Team

District staff responded the morning of the 31st and worked into the night and the following day and the 2nd. On the 31st, employees were not able to leave the area due to road closures until the next day after some of the flooding receded.

The following Operations/Utility employees responded:

- Travis Bohannon
- Ron Greenfield
- James Colas
- Mario Moreno
- Heather Pedro
- Ed McMurray
- Ryan Wenker

The following Security employees went above and beyond the call of duty:

- Mel Outram
- Vitaliy Perepelka
- Karen Hessler
- Dave Labrado
- Paul Anderson

The following contractors responded:

- Prodigy Electric
- EDCO Pumping
- ABC Plumbing

There was also a resident who was instrumental in keeping main lift south operational.

Prognosis

District staff and contractors responded to the multiple issues bravely and competently. District staff and District infrastructure held the line and completely avoided spilling sewage. Some of the storm water flooding issues were unavoidable given the magnitude of the storm.

Other future pump station challenges will be alleviated with the District's current and continued investment in infrastructure. The District is currently in the process of directing the rehabilitation and improvement of (6) sewage lift stations and improving back-up power for (2) of those stations. In the coming weeks the District will investigate the other wet weather challenges such as main lift north and main lift south. In addition, the District is currently embarking on a safety design for the Granlees intake, that in addition to safety improvements, will prevent or help to reduce the impact on the intake structure from being taken out of service due to silting/sanding.

The current and future infrastructure improvements and rehabilitation and the knowledgeable and diligent staff will position the District well in responding to future record emergency storm conditions.

MEMORANDUM

Date: January 11, 2023
To: Improvements Committee
From: Michael Fritschi, P.E. – Interim General Manager
Subject: District Engineer Task Orders

Recommended Action

Staff request that the Improvements Committee direct staff to bring the (5) Task Orders to the Board for approval on the consent calendar at the January 18th meeting.

Background

On December 7th, staff brought a report to the Improvements Committee on the status of Task Orders with the District Engineer (see attached Dec 7th memo). The report illustrated the open and closed tasks and the tasks that were placed on hold. The report also noted tasks that were awaiting proposals. The District has received the following scope and fee task orders for approval:

- a. **Task RM-033** – Granlees Diversion Safety Improvements Design - \$92,780
- b. **Task RM-031** – Lift Station Rehabilitation (Alameda, Starter, 3B) Design Services - \$103,460
- c. **Task RM-035** – Lift Station Emergency Power Design - \$73,060
- d. **Task RM-034** – Rio Oso Pressure System Upgrade Basis of Design Report - \$69,822
- e. **Task RM-019 Amendment 2**- Lift Station 6B Construction Assistance - \$23,316

All the (attached) task orders reference the previously approved Professional Master Services Agreement dated March 19, 2021. Tasks RM-031, RM-033, RM-034 and RM-035 support approved CIP projects for the current fiscal year and task RM-019 support inspection of development infrastructure improvement.

The scope of services as submitted in the task orders are well within the expertise of Domenichelli and Associates. By utilizing the District Engineer to perform these design tasks, the District enjoys a substantially reduced fee and benefits from the familiarity of the District Engineer to the District infrastructure.

While the District code requires an RFP process for procurement for professional service contracts over \$25,000, the District successfully utilized a competitive process for obtaining the District Engineer for professional services. The award of these task orders to the District Engineer are well within historical standard practice and within the reasonable scope of a District Engineer to accomplish.

MEMORANDUM

Date: November 22, 2022
To: Improvement Committee
From: Michael Fritschi, P.E. – Interim General Manager
Subject: Status of District Engineer Task Orders

1. On November 21, the Interim General Manager and the Interim Director of Operations met with Domenichelli & Associates (D&A), our District Engineer to review the current list of task orders to track which are still open, which should be closed out, and to determine any new task order needs.
2. D&A provided the District with a list of current project task orders and the contract status of those task orders, including original task order amount and current budget, and status of completion.
3. The task order status was reviewed with staff. A total of (9) tasks have been completed and closed out, (2) tasks have been frozen, (16) tasks are still open, and the District is requesting proposals on (5) new tasks.
4. It was requested that D&A refrain from charging to Management & Administration and charge to approved project tasks, with some minor exceptions.
5. It was decided that future task orders will reference the Master Services Agreement and contain a scope and fee.

<u>Project Number</u>	<u>Project Name</u>	<u>Contract Ammount</u>	<u>Balance Remaining</u>	<u>Notes</u>
RM-003	Dam Inundation Mapping	\$ 72,488.00	\$ 635.50	Need increase in funds (\$13k)
RM-006	Management & Administration	N/A	N/A	\$27,600 Invoiced as of 10/31/22 have requested that work primarily be billed to specific projects and efforts
RM-007	Greens Lift Station	\$ 19,290.00	\$ 18,290.00	Keep open, will address settlement this fiscal year if all other lift station projects get finished - CIP 23-04-01
RM-008	WTP Piping	\$ 30,200.00	\$ 27,960.00	Freeze this Task. This would be part of a larger WTP upgrade project
RM-009	WTP Drying Bed	\$ 7,900.00	\$ 1,555.00	This project has been Closed Out
RM-010	Rancho North Map Studies Review	\$ 25,500.00	\$ 12,340.00	Keep open for next submittal from Rancho North
RM-011	Residence East	\$ 38,800.00	\$ 31,572.50	Determine if Residence West will be added to or kept separate from Residence East
RM-012	WTP Manganese	\$ 980.00	\$ -	This was closed out
RM-013	Retreats North & East	\$ 15,600.00	\$ 2,702.50	Design Review kept open
RM-014	Riverview Plans Resubmittal	\$ 16,900.00	\$ 122.50	Closed Out
RM-015	Legacy Villas & Suites	T&M	N/A	Closed Out
RM-017	Murieta Gardens Taco Bell	T&M	N/A	Closed Out
RM-018	Hole 14 Culverts	\$ -	\$ -	Closed Out
RM-019	Retreats KHOV	\$ 61,237.00	\$ 7,781.50	Keep open for assistance during construction
RM-020	Riverview Mass Grading	\$ 18,000.00	\$ 3,270.00	Closed Out
RM-021	Riverview Phase 1b	\$ 17,600.00	\$ 4,972.50	Closed out
RM-022	Riverview Phase 1a & ESDC	\$ 31,400.00	\$ 16,015.00	Almost Closed out
RM-023	Lift Station 6B Upgrade Design	\$ 30,309.00	\$ 20.20	Close to complete
RM-024	Murieta Gardens Lot 2	\$ 12,940.00	\$ 6,320.00	
RM-025	Riverview Phase 2	\$ 22,460.00	\$ 5,220.00	
RM-026	Lift Station 6A Analysis			Complete
RM-027	Raw Water Report	\$ 56,140.00	\$ 52,995.00	Conveyance from Clementia to Laguna Joaquin & Chesbro to Clementia - Freeze this task until further direction from Improvements Committee or the
RM-028	7245 Murieta Dr Lot 12	\$ 8,500.00	\$ 2,300.00	
RM-029	Lake 11 Project	\$ 69,788.00	\$ 12,064.50	Almost Closed Out
RM-030	Murieta Lot 10 -	\$ 8,500.00	\$ 3,180.00	
RM-031	Lift Station Rehab - Alamenda, Starter Shack. 3B			Awaiting Proposal - budgeted in CIP 23-11-02
RM-032	Granlees Diversion Condition Assessment	\$ 9,190.00	\$ 9,190.00	Report pending, has not been billed. CIP 23-04-01
NEW	Rio Oso Pressure System Upgrade Study			Awaiting Proposal, this is budgeted in CIP 23-06-01
NEW	Lift 6B Construction Assistance			Awaiting Proposal
NEW	Residence West			Determine if Residence West will be added to or kept separate from Residence East
NEW	Lift Station Emergency Power Design Assistance			Awaiting Proposal, this is budgeted in CIP 23-11-02
NEW	Diviison of Dam Safety Reporting Support			Awaiting Proposal



December 27, 2022

Michael Fritschi
Interim General Manager
Rancho Murieta CSD

Subject: RM-033 - Proposal for the Design of upgrades to Granlees Diversion Structure

Dear Michael,

Per our Master Services Agreement dated 3-19-21, between Rancho Murieta Community Services District and Domenichelli & Associates Inc, we are requesting authorization to proceed on the following Task Order.

Attached is our scope and fee for the design of the subject facilities.

The project goal is to design modifications to the Diversion Structure facility to improve operations and safety for District Staff and the general public.

It is understood that the District does not want to install the security cameras which are listed in the HDR Preliminary Design Report.

D&A will contract with an environmental subconsultant (EN2) to determine permitting requirements. They believe the project will qualify for a Categorical Exemption and have provided a proposal to help us meet that goal. Negotiating other permits which may arise and be required as a result of this process are not included, and we will provide a proposal to deal with those if they are needed.

The following is a brief description of the expected scope and a proposed fee.

Please contact me if you have any questions regarding this proposal.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Domenichelli', is written over a light blue horizontal line.

Joseph Domenichelli, PE
President, Domenichelli & Associates

Authorization to Proceed

Rancho Murieta CSD



Rancho Murieta CSD
Proposal for the Design of upgrades to Granlees Diversion Structure

Scope of Services

Task 1 – Site Visits & Gather Pertinent Information

D&A will visit the site to obtain any measurements required for the design of the facility improvements. Any provided reports, drawings or photographs will be reviewed and used in the design processes.

Task 2 – Environmental Investigation

D&A will contract with EN2 Resources, Inc. for environmental, cultural and biological assessments. Per the HDR Preliminary Design Report and EN2's preliminary assessment of the project, a Categorical Exemption is anticipated. EN2 will confirm if this is appropriate.

Please see the attached proposal from EN2 for their proposed scope of work.

Task 3 – Plans and Specifications

D&A will prepare the plans and specifications in two stages. Taking the design criteria from the previously written TM by D&A and the HDR Preliminary Design Report, we will create a set of 50% drawings and specifications for the District's review and comment.

We will then incorporate the comments on the 50% documents to produce a 100% set of drawings and specifications. The 100% documents will be considered bid ready unless the District has further comments.

The improvements to be designed shall include:

1. Demolition of items which have reached the end of their useful life.
2. Water control gate installations (4).
3. Intake screen replacement. (12-24" diameter screens)
4. Repair/replacement of piping.
5. Repair/replacement of pipe supports.
6. Perimeter guardrails.
7. Access stairways, ladders and hatches.
8. Replacement of the wooden beams and chain link fencing with grating.
9. Recoating and reuse of existing steel beams.
10. Addition of structural members required to support new grating.
11. Trimming of protruding bolts.
12. Additional warning signage.



Deliverables:

- 1. 50% Plans and Specifications***
- 2. 100% Plans and Specifications***

Task 4 – Bid Services

D&A will provide services to the District during bidding including answering RFIs and creating addenda if required. Once bidding is complete, conformed construction documents will be created incorporating revisions made during bidding.

Deliverables:

- 1. Addenda (1)***
- 2. Conformed Plans and Specifications***

Task 5 – Engineering Services During Construction

During the construction period, D&A will answer contractor RFIs, review shop drawings and submittals for conformance with the drawings and specifications, visit the project site for construction observation (3 visits total) and review contractor proposed change orders.

At the conclusion of the project, we will utilize the contractor's redlined drawings to produce a set of record drawings for the District.

Deliverables:

- 1. Record Drawings***



DOMENICHELLI AND ASSOCIATES, INC. CIVIL ENGINEERING

Fee Estimate

Rancho Murieta CSD	Billing Rates & Hours								
Granlees Diversion Improvements Design 12/27/2022	QA/QC Joe D. \$190	Engineering Daryl H. \$155	Drafting Jim C. \$105	Subconsultant Environmental					
Task 1 - Site Visit & Gather Pertinent Information									
Site Visit		6	6	\$ 1,560					
Review Available As Built Drawings	2	8	16	\$ 3,300					
			Subtotal	\$ 4,860					
Task 2 – Environmental Investigation									
Categorical Exemption	2	8		\$ 11,000.00 \$ 12,620					
			Subtotal	\$ 12,620					
Task 3 - Plans And Specifications									
50% Submittal									
Drawings	2	80	120	\$ 25,380					
Specifications	2	40		\$ 6,580					
100% Submittal									
Drawings	4	40	120	\$ 19,560					
Specifications	4	32		\$ 5,720					
			Subtotal	\$ 57,240					
Task 4 - Bid Services									
Answer RFIs		12		\$ 1,860					
Produce Addenda if Required		12	8	\$ 2,700					
Conformed Construction Documents		4	8	\$ 1,460					
			Subtotal	\$ 6,020					
Task 5 - Engineering Services During Construction									
Answer RFIs		12	8	\$ 2,700					
Review Shop Drawings		24		\$ 3,720					
Site Visits for Observation (3)		12		\$ 1,860					
Change Order Proposal Review		4		\$ 620					
Record Drawings		4	24	\$ 3,140					
			Subtotal	\$ 12,040					
				Project Total \$ 92,780					
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Total Hours</td> <td style="width: 15%;">16</td> <td style="width: 15%;">298</td> <td style="width: 15%;">310</td> <td style="width: 25%;"></td> </tr> </table>					Total Hours	16	298	310	
Total Hours	16	298	310						

Mr. Daryl Heigher
Senior Engineer
Domenichelli & Associates
5180 Golden Foothill Parkway, Suite 220
El Dorado Hills, CA 95762

December 21, 2022

Subject: Scope of Work and Cost Estimate to Support Domenichelli & Associates and Rancho Murietta Community Services District with Environmental Compliance Support Services for Granlees Dam Forebay Structure Project

Dear Mr. Heigher,

EN2 Resources, Inc. (EN2) presents the following scope of work and cost estimate to support Domenichelli & Associates (D&A) and Rancho Murietta Community Services District (CSD) with environmental compliance support services on Rancho Murietta CSD's Safety and Operations and Maintenance and Improvements Project for Granlees Dam Forebay Structure (Project), which involves safety and operational maintenance and improvements to the Forebay Structure that qualify for a Categorical Exemption under the California Environmental Quality Act (CEQA). For purposes of CEQA review and compliance, the Rancho Murietta CSD will serve as CEQA Lead Agency.

We appreciate your consideration of the above and attached and look forward to the possibility of assisting you with this Project. Please feel free to contact Rayann La France or me if you need additional information to evaluate this proposal.

Sincerely,


for Rick A. Lind
President

EN2 Resources, Inc. (EN2) is pleased to submit this scope of work and cost estimate to support Domenichelli & Associates (D&A) and Rancho Murietta Community Services District (CSD) with environmental compliance support services on Rancho Murietta CSD's Safety and Operations and Maintenance and Improvements Project for Granlees Dam Forebay Structure (Project). The Project involves safety and operational maintenance and improvements to the Forebay Structure that qualify for a Categorical Exemption under the California Environmental Quality Act (CEQA). For purposes of CEQA review and compliance, the Rancho Murietta CSD will serve as CEQA Lead Agency.

Scope of Work and Assumptions

Previous work performed and documented by HDR indicates that the scope of the proposed Project would not likely result in substantial adverse effects to biological or cultural resources. Reports are cited (p. 5 under "CEQA Constraints Methodology") that EN2 requests to help support EN2's position that the Project should qualify for a Categorical Exemption under CEQA due to the nature, scope, location, and previous studies performed of the proposed Project. EN2's assessment of the Project and the applicable Categorical Exemption assumes that the Project will be limited to the existing dam structure and adjacent disturbed areas, and that D&A and the CSD will incorporate best management practices and appropriate provisions into the construction contract to assure typical environmental, public, and worker safeguards for this type of project.

The proposed Project would qualify for a Categorical Exemption under (CEQA) Public Resources Code Section 15301 Existing Facilities. Under this scope of work, EN2 will review prior applicable studies, perform an independent site review, and then prepare a summary report documenting the basis for the Project qualifying under Section 15301. Assuming that EN2 does not identify new environmental issues, EN2 will prepare a summary report on the applicable CEQA Categorical Exemption provisions and present for the CSD's Administrative Record its explanation(s) regarding why the Project would not represent an exception to the applicable Categorical Exemption provisions.

EN2 will rely on previous environmental review work performed by HDR to prepare the Categorical Exemption and supporting documents. This previous work is summarized in HDR's Preliminary Engineering Report dated November 7, 2022, which describes field reconnaissance and desktop evaluations of potential environmental impacts, and HDR's conclusions that there would not likely be potentially significant environmental effects to biological and cultural resources.

Based on the above, EN2 will work with D&A and Rancho Murietta CSD to draft and finalize a Notice of Exemption (NOE) that can be approved by the CSD for posting with the State Clearinghouse and County Clerk per current CEQA Guidelines requirements. EN2 assumes

that the CSD will pay applicable posting fees for the NOE. After posting for 35 days and assuming no CEQA challenges are filed against the Project within that period, the CSD may proceed with its applicable permitting and other requirements for implementing the Project.

This scope of work does not include consultations with resource or other potential regulatory permitting agencies. Permitting may be required by the CA Department of Fish and Wildlife and/or the U. S. Army Corps of Engineers given proposed project activities are within, above, and below the high water mark of the Cosumnes River. CDFW or other agency may notify the CSD of such permitting requirements in response to the CEQA Categorical Exemption filing with the State Clearinghouse. EN2 can assist D&A and the CSD on any subsequent permitting processes under a separate scope and budget.

Cost Estimate and Schedule

EN2's estimated costs for the above scope of work will be invoiced on a time and materials basis with a not to exceed budget of \$10,000 for preparing the CEQA documentation and assisting D&A/CSD with processing the CEQA NOE. This scope of work does not include consultations with resource or regulatory agencies that may have permitting authority over the Project. A summary of projected costs by EN2 staff for the above scope of work is presented in the below table.

Staff	Hourly Rate	Total Hours	Total Estimated Cost
Rick Lind	\$186	8	\$1,488
Jeremy Waites	\$131	14	\$1,834
Rayann La France	\$122	18	\$2,196
Summer Abel	\$87	26	\$2,262
Rena Lewis	\$72	6	\$432
Direct Expenses	Mileage and database fees		\$788
Contingency			\$1,000
Total			\$10,000



December 14, 2022

Michael Fritschi
Interim General Manager
Rancho Murieta CSD

**Subject: RM-031 - Proposal for the Design of upgrades to Three Lift Stations
- Lift Station 3B, Alameda & Starter Shack**

Dear Michael,

Per our Master Services Agreement dated 3-19-21, between Rancho Murieta Community Services District and Domenichelli & Associates Inc, we are requesting authorization to proceed on the following Task Order.

Attached is our scope and fee for the evaluation and design of the subject facilities.

The project goal is to evaluate the existing lift stations and determine the best course of action to upgrade each. The Alameda and Starter Shack lift stations will have at least two options evaluated, in-kind pump replacement and a prefabricated option. In-kind pump replacement has already been determined to be the method to use at Lift station 3B.

It is understood that the District will contract separately for electrical design services and that the three lift stations will be combined into one project for bidding.

The following is a brief description of the expected scope and a proposed fee.

Please contact me if you have any questions regarding this proposal.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Domenichelli'.

Joseph Domenichelli, PE
President, Domenichelli & Associates

Authorization to Proceed

Rancho Murieta CSD



Rancho Murieta CSD

Proposal for the Design of upgrades to Three Lift Stations - Lift Station 3B, Alameda & Starter Shack

Scope of Services

Task 1 – Site Visits & Gather Pertinent Information

D&A will visit the sites to visually observe the lift stations. (One visit). Any provided drawings or photographs will be reviewed and used in the evaluation and design processes.

Task 2 – Preliminary Design Technical Memorandum (TM)

D&A will produce a brief TM describing the findings of the site visits and the results of the evaluations as well as estimated construction costs for each option. The TM will include text as well as photos or sketches to describe the findings.

The TM will be delivered to the District for review and comment. A review meeting will be held to discuss the District's comments and questions. Based upon these discussions, a final TM will be produced to delineate the final design criteria, site layout and preferred options.

Deliverables:

- 1. Technical Memorandum***

Task 3 – Plans and Specifications

D&A will prepare the plans and specifications in two stages. Taking the design criteria from the TM written in Task 2, we will create a set of 50% drawings and specifications for the District to review and comment on.

We will then incorporate the comments on the 50% documents to produce a 100% set of drawings and specifications. The 100% documents will be considered bid ready unless the District has further comments.

Deliverables:

- 1. 50% Plans and Specifications***
- 2. 100% Plans and Specifications***



Task 4 – Bid Services

D&A will provide services to the District during bidding including answering RFIs and creating addenda if required. Once bidding is complete, conformed construction documents will be created incorporating changes made during bidding.

Deliverables:

- 1. Addenda (Assume 1)***
- 2. Conformed Plans and Specifications***

Task 5 – Engineering Services During Construction

During the construction period, D&A will answer contractor RFIs, review shop drawings and submittals for conformance with the drawings and specifications, visit the project sites for construction observation (6 visits total) and review contractor proposed change orders.

At the conclusion of the project, we will utilize the contractor's redlined drawings to produce a set of record drawings for the District.

Deliverables:

- 1. Record Drawings***



DOMENICHELLI AND ASSOCIATES, INC.
CIVIL ENGINEERING

Fee Estimate

Rancho Murieta CSD Three Lift Station Upgrades 12/14/2022	Billing Rates & Hours				
	QA/QC	Engineering	Drafting		
	Joe D. \$190	Daryl H. \$155	Jim C. \$105		
Task 1 - Site Visits & Gather Pertinent Information					
Site Visits		8	8	\$	2,080
Review Available As Built Drawings		8	8	\$	2,080
				Subtotal	\$ 4,160
Task 2 - Preliminary Design Technical Memorandum					
Draft Technical Memorandum	2	80	40	\$	16,980
Design Meeting to Discuss TM		4		\$	620
Final Technical Memorandum	2	4	8	\$	1,840
				Subtotal	\$ 19,440
Task 3 - Plans And Specifications					
50% Submittal					
Drawings	2	80	120	\$	25,380
Specifications	2	40		\$	6,580
100% Submittal					
Drawings	2	32	120	\$	17,940
Specifications	2	24		\$	4,100
				Subtotal	\$ 54,000
Task 4 - Bid Services					
Answer RFIs		16		\$	2,480
Produce Addenda if Required		8	12	\$	2,500
Conformed Construction Documents		4	12	\$	1,880
				Subtotal	\$ 6,860
Task 5 - Engineering Services During Construction					
Answer RFIs	2	24		\$	4,100
Review Shop Drawings		32		\$	4,960
Site Visits for Observation (6)		24		\$	3,720
Change Order Proposal Review	2	8	16	\$	3,300
Record Drawings		8	16	\$	2,920
				Subtotal	\$ 19,000
					\$ 103,460
Total Hours		16	404	360	



January 4, 2023

Michael Fritschi
Interim General Manager
Rancho Murieta CSD

Subject: RM-035 - Proposal for the Design of Generator Upgrades at the Cantova and FAA Lift Stations

Dear Michael,

Per our Master Services Agreement dated 3-19-21, between Rancho Murieta Community Services District and Domenichelli & Associates Inc, we are requesting authorization to proceed on the following Task Order.

Attached is our scope and fee for the design of the subject facilities.

The project goal is to add emergency backup generators at two lift station facilities and a new access road to the FAA lift station.

D&A will sub-contract with an electrical engineer (A T.E.E.M.) to size the generators and design the integration of the new generator into the existing system. Centerpoint Engineering will provide surveying for the new access road alignment and creation of easements.

The following is a brief description of the expected scope and a proposed fee.

Please contact me if you have any questions regarding this proposal.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Domenichelli'.

Joseph Domenichelli, PE
President, Domenichelli & Associates

Authorization to Proceed

Rancho Murieta CSD



Rancho Murieta CSD
Proposal for the Design of Generator Upgrades at Two Lift Stations

Scope of Services

Task 1 – Project Management, Site Visits & Gather Pertinent Information

D&A will use budget from this task to manage the project and visit the site to obtain any measurements required for the design of the facility improvements. Any provided reports, drawings or photographs will be reviewed and used in the design processes.

As part of the information gathering task, a survey will be performed at the FAA lift station site. This will aid in the design of the access road and creation of required easements.

Task 2 – Predesign TM

D&A will use the information gathered in Task 1 to produce a Predesign Technical Memorandum outlining the basic design criteria and simple site layouts for approval by the District.

Task 3 – Plans and Specifications

D&A will prepare the plans and specifications in two stages. Taking the design criteria from the TM produced in Task 2, we will create a set of 50% drawings and specifications for the District's review and comment.

We will then incorporate the comments on the 50% documents to produce a 100% set of drawings and specifications. The 100% documents will be considered bid ready unless the District has further comments.

The improvements to be designed shall include:

1. Demolition/re-routing of items which are in the way of the new generator.
2. Minor site grading/paving repair.
3. Structural Design of a new concrete pad for the generator.
4. Electrical Design
 - a. Sizing of the generator.
 - b. Sound enclosure.
 - c. Design of the connections between the lift stations and the generators.
 - d. See the attached proposal from A T.E.E.M. for more detail.

Deliverables:

- 1. 50% Plans and Specifications***
- 2. 100% Plans and Specifications***



Task 4 – Bid Services

D&A will provide services to the District during bidding including answering RFIs and creating addenda if required. Once bidding is complete, conformed construction documents will be created incorporating revisions made during bidding.

Deliverables:

- 1. Addenda (1)***
- 2. Conformed Plans and Specifications***

Task 5 – Engineering Services During Construction

During the construction period, D&A will answer contractor RFIs, review shop drawings and submittals for conformance with the drawings and specifications, visit the project site for construction observation (3 visits total) and review contractor proposed change orders.

At the conclusion of the project, we will utilize the contractor's redlined drawings to produce a set of record drawings for the District.

Deliverables:

- 1. Record Drawings***



DOMENICHELLI AND ASSOCIATES, INC.

CIVIL ENGINEERING

Fee Estimate

Rancho Murieta CSD	Billing Rates & Hours				
Lift Station Generator Upgrades Proposal 1/4/2023	QA/QC Joe D. \$190	Engineering Daryl H. \$165	Drafting Jim C. \$105	Centerpoint Engineering \$2,365	A T.E.E.M. Electrical \$34,610
Task 1 - Project Management, Site Visit & Gather Pertinent Information					
Project Management		4			\$ 660
Site Visit		4	4		\$ 1,080
Review Available As Built Drawings		4	4		\$ 1,080
Survey		3		\$2,365	\$ 2,860
				Subtotal	\$ 5,680
Task 2 - Pre-design					
Technical Memorandum	2	12	16		\$ 500 \$ 4,540
				Subtotal	\$ 4,540
Task 3 - Plans And Specifications					
50% Submittal					
Drawings		24	48		\$ 9,000
Specifications	1	16			\$ 2,830
100% Submittal					
Drawings		8	32		\$ 4,680
Specifications	1	8			\$ 1,510
Electrical Design				\$ 19,540	\$ 19,540
				Subtotal	\$ 37,560
Task 4 - Bid Services					
Answer RFIs		8			\$ 630 \$ 1,950
Produce Addenda if Required		4	8		\$ 1,500
Conformed Construction Documents		4	8		\$ 1,500
				Subtotal	\$ 4,950
Task 5 - Engineering Services During Construction					
Answer RFIs		8	8	\$ 1,010	\$ 3,170
Review Shop Drawings		8		\$ 4,630	\$ 5,950
Site Visits for Observation (1)		4		\$ 6,190	\$ 6,850
Change Order Proposal Review		4			\$ 660
Record Drawings		2	12	\$ 2,110	\$ 3,700
				Subtotal	\$ 20,330
				Project Total	\$ 73,060
Total Hours	4	125	140	\$ 2,365	



**A T.E.E.M. ELECTRICAL
ENGINEERING Inc.**
INDUSTRIAL & COMMERCIAL DESIGN

3841 NORTH FREEWAY BLVD., STE 145
SACRAMENTO, CA 95834

TEL: (916) 457-8144

December 19, 2022

Mr. Daryl Heigher, P.E.
Domenichelli & Associates
1101 Investment Blvd., Suite 115
El Dorado Hills, CA 95762
E-mail: DarylH@DAEngineering.net

Location: Rancho Murieta Community Service District
Subject: Electrical Engineering Design Quotation & Scope of Work
Project: Emergency Generators Project

We are pleased to submit this proposal for *A T.E.E.M.* Electrical Engineering Design Services for the Rancho Murieta Community Service District, Emergency Generators project. The project will consist of the following:

1. Add new automatic transfer switches (ATSs) and generators to two different lift stations.
2. Existing service metering panels will not be replaced. Power feed between the meter panel and the power distribution will be re-routed to the ATS.
3. Generator run and fail status may be monitored at local PLC if available.

The following is a summary of *A T.E.E.M.* revised electrical and instrumentation design services for the project:

1. Review Meetings: (two virtual)
 - a. 60% Review (Virtual)
 - b. 90% Review (Virtual)
2. The attached spreadsheet contains the list of E&I drawings to be prepared:
 - a. Electrical (E-Series) drawings (7 Total)
 - b. Instrumentation (I-Series) drawings (2 Total)All drawings will be produced with AutoCAD computer aided drafting.
3. Provide the following schedules:
 - a. Conduit & wire
 - b. Device Index
 - c. Instrument Index
 - d. Panelboard Schedule

All spreadsheets will be produced with Microsoft Excel.

4. Provide specifications utilizing Microsoft Word. Division 16 electrical specification sections will be prepared for this project.
5. Provide electrical and instrumentation cost estimate.

A T.E.E.M. Electrical Engineering not-to-exceed Design Services proposed fees are listed on the attached spreadsheet.

All prices include overhead, profit, insurance, and travel expenses for site visits to the jobsite. Currently **A T.E.E.M.** has \$2,000,000 general liability and \$2,000,000 professional liability insurance in force.

Notes:

1. “Construction Services” such as submittal review, startup/testing, construction inspection, etc. are not included, but can be quoted separate from this proposal.
2. Design will be submitted at 60%, 90%, 100% and Final stages.
3. Security and Camera system are not included.
4. SCADA configuring and PLC programming will be by others.
5. SCADA upgrade is not included.
6. Unless otherwise indicated by the Scope of Work above, quote is to furnish only and does not include any trade labor, trade work, construction work, site improvement, contractor services or any trade installation services. Any trade labor and/or related trade work shall be performed by other/contractor.

A T.E.E.M. is dedicated to meet your needs by providing specialized design, consultant and management services. Please give us a call if you have any questions or require further information.

Sincerely,

Sharon M. Kimizuka, P.E.
A T.E.E.M. Electrical Engineer

A T.E.E.M. Electrical Engineering
4/19/2022

Type of Service: Electrical Design Services
 Customer Name: Domenichelli & Associates
 Location: Rancho Murieta Community Service District
 Project Name: Emergency Generators

Project No.: _____ Work Order No.: _____ Task No.: _____

		Field Eng = FE Office Eng = OE Technical = TA					
		Hourly Rate:	\$240	\$230	\$130		
Task	Description	FE	OE	TA			
Electrical Design Services							
1	Review Meetings (2 virtual)	0	4	2	=	1,180	
2	E & I Drawings	0	40	24	=	12,320	
3	Division 16 Specifications	0	8	4	=	2,360	
4	Preparation of Schedules	0	4	2	=	1,180	
5	Electrical & Instrumentation Cost Estimate	0	4	2	=	1,180	
		0	60	34		\$ 18,220	

Total not-to-exceed cost: \$18,220

- Notes:
- 1) Extra meetings, Construction Services and SCADA configuration and PLC Programming are not included in this scope of work, but can be quoted separately.
 - 2) SCADA upgrade is not included in this scope of work.
 - 3) Area lights, and camera system are not included.
 - 4) Unless otherwise indicated by the Scope of Work above, quote is to furnish only and does not include any trade labor, trade work, construction work, site improvement, contractor services or any trade installation services. Any trade labor and/or related trade work shall be performed by other/contractor.

 Signature : Sharon M. Kimizuka, P.E. Date _____

Approval _____ Date _____
 Signature
 CHARGE NO.:

**A T.E.E.M.
ELECTRICAL & INSTRUMENTATION DRAWINGS
RANCHO MURIETA COMMUNITY SERVICE DISTRICT
EMERGENCY GENERATORS PROJECT**

DWG NO.	DESCRIPTION
E1	ELECTRICAL SYMBOLS & ABBREVIATIONS
E2	LIFT STATION 1 ONE LINE DIAGRAM
E3	LIFT STATION 1 SITE PLAN
E4	LIFT STATION 2 ONE LINE DIAGRAM
E5	LIFT STATION 2 SITE PLAN
E6	EXAMPLE INTERCONNECT DIAGRAM
E7	TYPICAL ELECTRICAL DETAILS NO. 1
I1	INSTRUMENTATION SYMBOLS & ABBREVIATIONS
I2	LIFT STATION GENERATOR (TYP) P&ID



**A T.E.E.M. ELECTRICAL
ENGINEERING Inc.**
INDUSTRIAL & COMMERCIAL DESIGN

3841 NORTH FREEWAY BLVD., STE 145
SACRAMENTO, CA 95834

TEL: (916) 457-8144

December 19, 2022

Mr. Daryl Heigher, P.E.
Domenichelli & Associates
1101 Investment Blvd., Suite 115
El Dorado Hills, CA 95762
E-mail: DarylH@DAEngineering.net

Location: Rancho Murieta Community Service District
Subject: Electrical Engineering Construction Quotation & Scope of Work
Project: Emergency Generators Project

The following lists the *A T.E.E.M.* Electrical Engineering Construction Services for the project:

1. Review electrical, instrumentation and control shop drawings and submittals. (~5 Total).
2. Answer construction questions and provide clarifications. (1 Total)
3. Respond to "Request for Information" regarding electrical and instrumentation items.
(2 Total)
4. Witness Factory Test (One Day)
5. Field Observation (One Day)
6. Prepare record contract drawings.

A T.E.E.M. Electrical Engineering Construction Services fee proposal is on the attached spreadsheet.

All prices include overhead, profit, insurance, and travel expenses for site visits to the jobsite. Currently *A T.E.E.M.* has \$2,000,000 general liability and \$2,000,000 professional liability insurance in force.

Notes:

1. On-site project meetings, site visits, field test, startup, field inspection, PLC programming and SCADA graphics configuration are not included in this scope of work.
2. Additional requests for "Request for Information" and Submittal review, outside the agreed scope of work, will be invoiced on a T&M basis, exceeding budget as necessary.
3. Unless otherwise indicated by the Scope of Work above, quote is to furnish only and does not include any trade labor, trade work, construction work, site improvement, contractor services or any trade installation services. Any trade labor and/or related trade work shall be performed by other/contractor.

A T.E.E.M. is dedicated to meet your needs by providing specialized design, consultant and management services. Please give us a call if you have any questions or require further information.

Sincerely,

Sharon M. Kimizuka, P.E.
A T.E.E.M. Electrical Engineer

A T.E.E.M. Electrical Engineering
12/19/2022

Type of Service: Electrical Construction Services
 Customer Name: Domenichelli & Associates
 Location: Rancho Murieta Community Service District
 Project Name: Emergency Generators

Project No.: _____ Work Order No.: _____ Task No.: _____

		Hourly Rate:				
		\$230	\$220	\$130		
Task	Description	FE	OE	TA		
Construction Services						
1	Review Electrical and Instrumentation Submittals (~5)	0	15	7	=	4,210
2	Answer Questions and Issue Clarifications (~1)	0	2	1	=	570
3	Respond to RFIs (~2)	0	3	2	=	920
4	Witness Factory Test (1 Day)	8	2	1	=	2,410
5	Final Observation (1 Day)	10	3	2	=	3,220
6	Prepare Record Drawings	0	4	8	=	1,920
		18	29	21		\$13,250
Total not-to-exceed cost:						\$13,250

Notes: _____
 1. On-site project meetings, site visits, field test, startup, field inspection, PLC programming and SCADA graphics configuration are not included in this scope of work.
 2. Additional requests for Requests for Information, Submittal reviews and issuance of Clarifications, outside the agreed scope, will be billed on a T&M basis, exceeding the proposed budget as necessary.
 3. Unless otherwise indicated by the Scope of Work above, quote is to furnish only engineering services and does not include any trade labor, trade work, construction work, site improvement, contractor services, or any trade installation services. Any trade labor and/or related trade work shall be performed by others/contractor.

 Signature : Sharon Kimizuka, P.E. Date _____

Approval _____ Date _____
 Signature _____
 CHARGE NO.:



Mr. Michael Fritschi
General Manager
Rancho Murieta Community Services District (RMCS D)
PO Box 1050
Rancho Murieta, CA 95683

December 29, 2022

Subject: RM-034 Rio Oso Booster Pump Station Basis of Design Report

Dear Michael,

Per our Master Services Agreement dated 3-19-21, between Rancho Murieta Community Services District and Domenicelli & Associates Inc, we are requesting authorization to proceed on the following Task Order.

This letter represents our estimated scope and budget for a Basis of Design Report (BODR) for the Rio Oso Booster Pump Station (ROBPS). This scope and budget assume that D&A, with assistance from our subconsultant Frisch Engineering will provide a report that will summarize the following:

- Demand Forecast for the upper pressure zone (current and 20-yr build out)
- Pump Sizing Analysis (check current/new pumps for adequacy and establish full build out pumps)
- Analysis and Selection of alternative pressure & flow regulating components (VFDs, hydro tank, flow meter)
- Compare and Select Alternative Pump Station Enclosure (Masonry, metal, outdoor generator)
- Cost Analysis with detailed breakdown for the preferred project.

Scope of Services:

Task 1 Gather & Review Information: Obtain system maps, topographic data, development masterplan data, current flow data, existing pumps station as-builts and pump curve information. D&A will review the station pertinent facilities data and flow data to compile criteria for system and station analyses.

Task 2 Service Area Flow Demand Analysis: D&A will provide estimates of maximum day, peak hour and minimum hour domestic demands for the current and 20-yr buildout development conditions. We will create a hydraulic model of the upper zone system, using GIS mapping information provided by the District to simulate the design flow conditions and resulting system pressures. Flow tests will be set up by D&A and conducted by District forces to confirm current demand estimates and potentially isolate losses in the system (upper zone).



Task 3 Existing Pump Review and Future Upgrades: Based on the results of the demand analysis in Task 2 and pump curve data (including any pump test data), D&A will check the current pumps for adequacy to meet system demands and related design criteria. Pump criteria for future build out conditions will also be established under this task.

Task 4 Establish Preliminary Pump Station Design Components: Along with the pumps selected in Task 3, D&A will summarize design criteria and descriptions for all ancillary components necessary for the new station. Alternatives for pipe materials, valving, flow measurement, flow and pressure control, electrical, emergency power and system control components, SCADA and pump station enclosure options will all be analyzed, based on need, costs and ease of operation and maintenance. A recommended project will be chosen from this analysis by D&A, to be reviewed with the District and included as part of the Draft Basis of Design Report Technical Memorandum (TM).

Task 5 Basis of Design Report (BODR): D&A will prepare a draft BODR (TM) that will summarize the analysis conducted and finding from Tasks 2, 3 and 4. The BODR will be submitted to the District for review and a 3 hour follow-up review workshop will be conducted to discuss all comments from the District and answer any questions before completing the final BODR. Included with the text of the draft TM will be 10% design layouts for the station providing a plan view of piping and other station components, an elevation view of the station and enclosure outline, and a one-line electrical drawing with a list of the electrical components.

After the review workshop, D&A will provide responses to all comments and questions prior to completion of the final BODR TM. We anticipate that revisions to Tasks 2, 3 and 4 may be necessary to address the District's review and to complete the Final BODR.

Deliverables: PDF version of the Draft BODR TM, Review Workshop Agenda and Responses to Comments, PDF version and two hard copies of the Final BODR Technical Memorandum.

Project Timeline:

The following shows anticipated durations and milestones for completing the project tasks.

Milestone/Task description	Duration
Gather & Review Information (Task 1)	2 weeks
Flow Demand Analysis (Task 2)	3-weeks
Establish Pump Station Components (Task 3 & 4)	4-weeks
Draft BODR Technical Memorandum (Task 5)	4-week
District Review (Task 5)	2-week
Final BODR Technical Memorandum (Task 5)	3-weeks
Total Project Duration	18 Weeks



DOMENICHELLI AND ASSOCIATES, INC.

CIVIL ENGINEERING

Project Fees

Rancho Murieta Community Services District
Rio Oso Booster Pump Station Basis of Design Report

Fee Estimate
Dec-29-2022

Tasks	Labor				Total Hours	Total Labor Costs (1)	Subs	ODCs	Total
	QA/QC	Project Manager 2	Senior Engineer 2	Project Engineer 2			Electrical Engineer	ODCs	Total Fee
	Joe Domenichelli	Daryl Heigher	Adam Montejunas	Matt D/ Mikey J			Frisch Engineering		
Task 1: Gather & Review Information	\$190	\$165	\$145	\$125					
1.1 Gather and Review Information	6	8		4	18	\$2,960	\$3,410	\$150	\$6,520
Subtotal Task 1:	6	8	0	4	18	\$2,960	\$3,410	\$150	\$6,520
Task 2: Service Area Flow Demand Analysis									
2.1 Demand Estimates & System Model	4		24	48	76	\$10,240			\$10,240
2.2 Flow Tests Coordination	4		12	16	32	\$4,500		\$180	\$4,680
Subtotal Task 2:	8	0	36	64	108	\$14,740	\$0	\$180	\$14,920
Task 3: Pump Review and Future Upgrades									
3.1 Review Existing (recent purchased) Pumps	2	8			10	\$1,700			\$1,700
3.2 Check Pumps for System Buildout	2	16		4	22	\$3,520		\$50	\$3,570
Subtotal Task 3:	4	24	0	4	32	\$5,220	\$0	\$50	\$5,270
Task 4: Establish Pump Station Components									
4.1 Establish Criteria and Project Needs	6	12		8	26	\$4,120			\$4,120
4.2 Analyze Components Alternatives & Costs	4	24		16	44	\$6,720	\$2,200		\$8,920
4.3 Select a Preferred Project	4	12		4	20	\$3,240	\$3,300	\$50	\$6,590
Subtotal Task 3:	14	48	0	28	90	\$14,080	\$5,500	\$50	\$19,630
Task 4: Draft and Final Basis of Design Report (Technical Memorandum)									
4.1 BODR Technical Memo Draft (with 10% plans)	4	16	4	20	44	\$6,480	\$10,912		\$17,392
4.2 Review Workshop & Response to Comments	2	8		4	14	\$2,200			\$2,200
4.3 Final BODR Technical Memo	4	12		8	24	\$3,740		\$150	\$3,890
Subtotal Task 4:	10	36	4	32	82	\$12,420	\$10,912	\$200	\$23,482
TOTAL	42	116	40	132	330	\$49,420	\$19,822	\$630	\$69,822

Please give me a call if you have any questions.

Sincerely,

Joe Domenichelli
Domenichelli & Associates, Inc.

Authorization to Proceed by,

Rancho Murieta CSD Date



DOMENICHELLI AND ASSOCIATES, INC.
CIVIL ENGINEERING

Mr. Michael Fritschi
General Manager
Rancho Murieta Community Services District (RMCS D)
PO Box 1050
Rancho Murieta, CA 95683

December 19, 2022

Subject: RM-019 Amendment #2- Additional Services During Construction (For LS 6B)

Dear Michael,

Per our Master Services Agreement dated 3-19-21, between Rancho Murieta Community Services District and Domenicelli & Associates Inc, we are requesting authorization to proceed on the following Task Order.

This letter represents our estimated scope and budget for additional engineering services during construction for the subject project. This scope and budget assume that D&A and our subconsultant Frisch Engineering will provide additional specialty engineering and inspection services for the Lift Station 6B upgrades. This amendment will increase the total KHOV Construction Services project fee from \$61,237 to \$84,553. Lift Station 6B fees will be tracked separately from other Retreats construction services. A breakdown of 6B fees is provided below.

D&A will provide additional material submittal reviews, review of changes to the project construction scope or changing field conditions, specialty mechanical and electrical inspections and added construction meetings relative to the lift station.

The following is our scope and fee breakdown for the amendment:

Task 1 Construction Meetings & Coordination:

D&A will attend periodic construction meetings to assist in issue resolutions and to review overall project progress. Assume two (2) additional meetings for D&A.

Task 2 Submittal Reviews & RFIs:

D&A will provide additional material submittal reviews for lift station civil work, pipe, controls and electrical appurtenances (assumes approximately 4 submittals). We will also respond to contractor requests for information (approximately 4 RFIs)

Task 3 Project Change Requests

D&A will provide review of changes to the project construction scope or changing field conditions. We do not anticipate this to be significant (assumes 1 change request)



DOMENICHELLI AND ASSOCIATES, INC.
CIVIL ENGINEERING

Specialty Field Inspections & Record Drawings:

D&A will provide field inspections for pump installation, piping appurtenances and electrical facilities. These inspections will be in conjunction with periodic construction meetings. The scope includes two (2) site field reviews for D&A and three (3) for Frisch Engineering. This task also includes final record drawings for the upgraded lift station.

Estimated Fee for Amendment #2: \$23,316 per the following breakdown.

RM-019 Retreat North & East (Khov) Services During Construction							12/19/2022
Amendment #2 - Additional Lift Station 6B Construction Services							
Billing Rates & Hours							
			QA/QC	SE	Drafting	Subconsultant	Estimated Fee
			Joe D.	Daryl H.	Jim C.	Electrical	
Task			\$190	\$155	\$105	Frisch*	
Task 1 Construction Meetings & Coordination							
1b Site Meetings			2	8		\$3,212	\$4,832
Task 2 Submittal Reviews & RFIs							
2a Submittal Reviews			2	12		\$2,403	\$4,643
2b Request for Information				12			\$1,860
Task 3 Project Change Orders							
3a Change Requests				8	4		\$1,660
Task 4 Specialty Inspections & Record Drawings							
4a Specialty Inspections			2	8		\$3,058	\$4,678
4b Record Drawings			1	4	8	\$3,993	\$5,643
			Project Totals	7	52	12	\$ 12,666 \$ 23,316
* Subconsultant fees marked up 10%							

Total Fees for Lift Station 6B work are as follows:

Lift Station 6B Analysis and Design (RM- 023) -	\$30,309
Original Lift Sta 6B, Construction Services-	\$19,337 (RM-019 Amendment # 1)
<u>Additional Construction Services-</u>	<u>\$23,316 (RM-019 Amendment # 2)</u>
Total Lift Station 6B Fees-	\$72,962

Please give me a call if you have any questions.

Sincerely,

Authorization to Proceed by,

Joe Domenichelli
Domenichelli & Associates, Inc.

Rancho Murieta CSD

Date