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 October 8, 2024 at 8:00 a.m.

All persons present at District meetings will place their cellular devices in silent and/or vibrate mode (no ringing of any kind). During meetings, these devices will be used only for emergency purposes and, if used, the party called/calling will exit the meeting room for conversation. Other electronic and internet enabled devices are to be used in the "silent" mode. Under no circumstances will recording devices or problems associated with them be permitted to interrupt or delay District meetings.

AGFNDA

- 1. Call to Order
- 2. Improvements Staff Report
 - A. *Discussion Item* Proposed Enhancement of District's Meter Technology/Leak Detection with Advanced Meter Infrastructure (AMI) with Demonstration from Kamstrup
 - B. *Discussion Item* Murieta Village Water Connection District Service Line vs. Private lines
 - C. *Discussion Item* Broken Raw Water Conveyance Pipe from Granlees to Calero Reservoir
 - D. Discussion Item Comprehensive Distribution System Study
 - E. *Discussion Item* Consider Amendment to Domenichelli Contract for Distribution System Capacity Evaluation
 - F. Discussion Item Lift Station 6B Rehab
 - G. Discussion item Repairs to Recycled Water Line on Yellow Bridge
 - H. Discussion item RFP Bid Results for Water Treatment Plant #2 Filter Bed Rehab
 - Discussion item RFP Bid Results for Wastewater Treatment Plant Sodium Hypochlorite Conversion



J. *Discussion item* LED Conversion Lighting Project in District Buildings to Save Electricity and Improve Visibility

K. Discussion Item Basin 5 Maintenance Request

3. Comments from the Public

If you wish to speak during Comments from the Public or would like to comment regarding an item appearing on the meeting agenda, please complete a public comment card and submit to the Board Secretary prior to Public Comments. We will hold all comments to the Public Comment section.

4. Director and Staff Comments/Suggestions

5. 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 October 4, 2024. Posting locations are: 1) District Office; 2) Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: October 1, 2024

To: Improvements Committee

From: Travis Bohannon – Chief Plant Operator

Subject: Monthly Improvements Committee Updates

A. Proposed Enhancement of District's Meter Technology:

General Manager Morris has been researching newer technologies to help with the districts job of doing monthly meter reads and for helping to detect potential water leaks in the system. There will be a presentation on this from Kamstrup.

B. Village Water Connection District Service Line vs. Private lines Please see attached report.

C. Repair Broken Raw Water Conveyance Pipe from Granlees to Calero Reservoir

On 9/25/24, the repair was pressure tested and there were 2 pinhole leaks in the weld. The repair was being fixed on 10/1/24 and will then be slurried and mortared. Once that is done, the pipe will be covered and work completed.





D. Comprehensive Distribution System Study:

Domenichelli and Associates was asked to do a comprehensive study to determine additional tank sizing needs for future development in the distribution system. Last month the committee asked that Mr. Domenichelli come to this month's meeting for questions and clarification. It was also brought up at the last meeting that a comprehensive recycled water study be done to determine infrastructure needs.

E. Consider Amendment to Domenichelli Contract for Distribution System Capacity Evaluation Please see attached report.

F. Lift Station 6B Rehab:

On 8/29/24, the district electrician (Prodigy Electric) went and pre-tested the new cabinet that was fabricated and to be installed at 6B for the upgrade. When Staff from Prodigy Electric looked at the wiring it was noticed that the wrong wire was used. The plans called for MTW wire only, and the manufacturer of the panel used a multi-purpose wire that was inferior. After much debate with Staff from KHOV, it was finally agreed upon that the panel would be rewired and the tentative date for the next inspection is 10/21/24.

G. Repairs to the Recycled Water Line on the Yellow Bridge:

The repair to the expansion couplers that were leaking on the yellow bridge has been completed. We had to call in Tap Masters to tap in isolation valves to be able to drain the pipe and do the repair. Everything went according to plan and the leak is repaired.





H. RFP Bid Results for Water Treatment Plant #2 Filter Bed Rehab

The district put out an RFP for the filter bed rehab with a due date of September 25, after no bids were received, Staff extended the due date to October 7. Staff is hopeful that a bid will be received and presented to the Committee at the October 8th meeting.

I. RFP Bid Results for Wastewater Treatment Plant Sodium Hypochlorite Conversion:

The district put out an RFP for the wastewater hypochlorite conversion project. The bids were due on October 3nd, and bids were received from Gateway Pacific Construction, TNT Industrial Contractors, Inc. and Pacific Infrastructure. Staff and Dewberry Engineers are reviewing the bids at the time of this report and will have a recommendation to the Committee at the meeting.

J. LED Conversion Project in District Buildings to Save Electricity and Improve Visibility:

The district is looking to replace all of the lights at the warehouse, wastewater plant, water plant and the remaining lights in the Administration office.

K. Basin 5 Maintenance Request

Please see attached report.

Kamstrup

kamstrup



75+
Years of
Innovation

20+
Countries

6+
Years US
manufacturing

30+

Years of ultrasonic experience

2M+Meters shipped in North America

0.25%
Return Rate in NA



Portfolio Overview

kamstrup

Metrology

- Residential and C&I (5/8" 12")
- Lowest start flow in the industry (.01 GPM)
- Configurable Smart Alarms
- Composite and Stainless Steel Body for Residential Sizes
- All Stainless Steel 1.5" and above
- Integrated Acoustic Leak Detection (5/8" - 1")



Communications

- Integrated AMR / AMI RF
- Migratable and fallback capabilities
- Remote Antennas
- AMR 900 MHz
- AMI 450 MHz Licensed
- Smart RF Power Optimization

Software & **Analytics**



- READy Mobile App Field Tool and AMR
- Leak Detector
- District Analyzer
- Analytics
- Flexible Integration (File based or API)





End to End Encryption

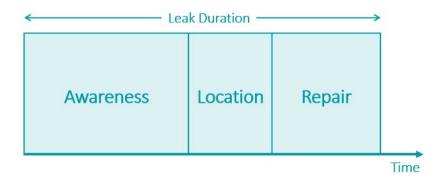


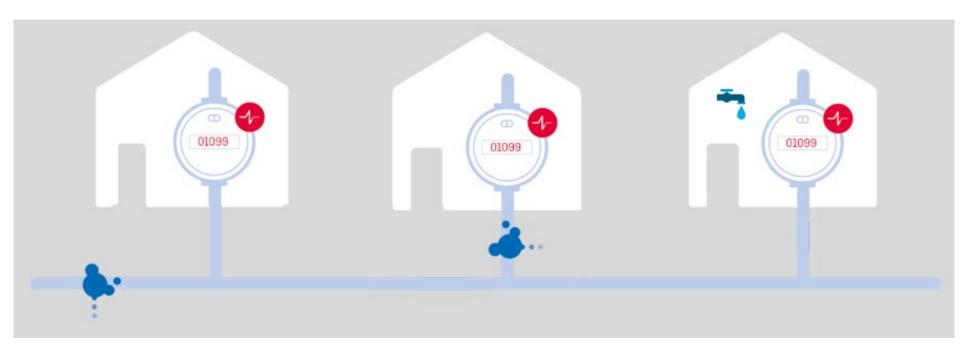


kamstrup

We listen to your water

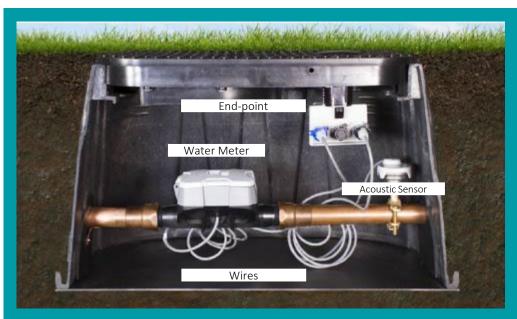
Kamstrup's integrated acoustic leak detection





Reduce Complexity, Deliver the Future





Competitive Non-Revenue Water Solution

Meter Price + Radio Price + Leak Sensor Price

Meter Installation + Radio Installation + Leak Sensor Installation

- 2 Wires
- 3 Components to manage / troubleshoot
- 3 Different Warranties
- 2 Different Vendors, multiple distributors



Kamstrup flowIQ® 2200

Meter Price

Meter Installation only

No Wires

- 1 Component to manage / troubleshoot
- 1 Warranty
- 1 Vendor, 1 Distributor

MEMORANDUM

Date: October 8, 2024

To: Improvements Committee

From: Mimi Morris – General Manager

Subject: Murieta Village Distribution System and Sewer Mainline Replacement

BACKGROUND

The sewer system and water distribution system for the Murieta Village residential units is one of the oldest systems in the District, dating back to the era when water was provided to the community by the El Dorado Irrigation District, more than 50 years ago.

That system is laid out under the Murieta Village residential units, making it both difficult and dangerous to repair leaks should they occur. A Capital Improvement Plan (CIP) Project(#21-01-01) was authorized in 2021 to fully replace the aging Schedule 40 PVC water infrastructure running under Murieta Village residential units as well as the sewer mainlines. The project was to have been done in coordination with a resurfacing project to be undertaken by the Murieta Village management. It is unclear why the project did not move forward three years ago, but the need remains strong and even more important today. The project budget three years ago was \$877,000 and the risk assessment was high. In the last six months, there have been at least three source leaks that have created problems for owners in the community.

Responsibility for providing beneficial use water to the Murieta Village was transferred to the District at the time the District was created.

PROPOSAL

Staff proposes that the District should move forward with a project to route new water distribution lines and sewer mainlines under the streets and right of ways of Murieta Village to avoid the impacts of leaks under the dwelling units. The new piping system will provide both long term viability of the water supply for the Murieta Village and increased safety for the residents. The old PVC distribution system would be disconnected and abandonment grouted after being replaced by the new system.

Additionally, staff proposes that the Board adopt an Interim Policy effective retroactively to April of 2024 to reimburse residents for their costs to repair leaks which occur in any area of the main that is Before the Meter (BM). Residents will be responsible for the section of pipe After the Meter (AM) until the replacement distribution system is in place. Additionally and alternatively, CSD staff is authorized to make the necessary repairs to water distribution system leaks and sewer main issues until the replacement project is completed, contingent upon the ability of staff to make the needed repairs.

Finally, staff proposes that all Murieta Village residents be required to install their own sewer cleanouts in order to ensure that each of their sewer systems is independent enough to be able to prevent disruption to the entire community. Per the attached 1971 Sewer Plan, Cleanouts and Service were intended for each lot, which is consistent with the rest of the community.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

Category:	Water Distribution System	Policy # 2024-02			
Title:	Reimbursement for Damages Caused by Murieta Village water main breaks				

PURPOSE

This policy statement is to define the process for review and approval of requests for reimbursement for damage caused by system or personal line break(s) associated with Ranch Murieta CSD- owned water infrastructure within the Murieta Village neighborhood and to authorize RMCSD to make repairs to such breaks when it is safe to do so.

BASIC POLICY AND GUIDELINES

The policy applies to, but is not limited to, property damage claims resulting from the following: Rancho Murieta CSD-owned water, and ancillary system asset break/leak within the Murieta Village portion of Community Services District service area. District responsibility begins after the meter (AM), and the property owner's responsibility is anything before the meter (BM). Each instance will be handled separately and on its own merits. An immediate and prompt investigation will be conducted to determine the facts of the claim. This policy does not cover alleged damages for personal injury.

To request reimbursement for damaged property or other loss related to a water main break, a claimant must complete a Claim form and file it with the CSD office. Once the claim is filed, CSD staff and/or agents will review and investigate the claim and determine compensation, if any. The investigation will include consideration of the following:

A: Whether the loss arose out of, or resulted from, any unforeseen, non-negligent actions or conditions of the CSD-owned water mainline by which it can be concluded that the homeowner/ tenant was an innocent party?

- B. Whether the loss arose out of, or resulted from, any actions or conditions of the CSDowned water mainline by which it can be concluded that the CSD was negligent and where the claimant was an innocent party?
- C. Whether the loss arose out of, or resulted from, actions or conditions caused by an identifiable third party? For example, a contractor is performing work in an area damaged the mainline or property service line directly. In such case, the claim would be denied regardless of the damage locations, and the claimant would be encouraged to pursue their damages against the responsible third party, in this case the contractor.

D. Whether the loss arose out of, or resulted from, the actions of the claimant or the claimant's third-party contractor? If it is determined that the claimant caused or contributed to the loss, the claim will be denied. The claimant would be advised of the CSD's intent to pursue any damages to CSD property resulting from the claimant's negligent acts. Claimants will be responsible for pursuing the third party, if applicable.

District staff as part of the investigation will determine if the repair may be safely conducted by district personnel or if the services of an outside contractor may be necessary.

Approval of Claims would be at the Board's approval and discretion.

Adopted by Rancho Murieta Community Services District's
Board of Directors



DOMENICHELLI AND ASSOCIATES, INC. CIVIL ENGINEERING

Mimi Morris General Manager Rancho Murieta Community Services District (RMCSD) PO Box 1050 Rancho Murieta, CA 95683 October 7, 2024

Subject: RM-045 Tank Sizing Standards Amendment #1

Dear Mimi,

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.

This letter represents our estimated scope and budget for analyzing additional District water system data and formulating capacity requirements for water storage tanks for existing and future development for the District. This task order will also identify potential deficiencies and or modifications to the current system that may enhance use of existing tank capacity.

The following is the intended scope of this task order:

- Gather and review additional District flow and use data.
- Review new flow meter data at Rio Oso tank relative to District SCADA data.
- Establish tank storage criteria for emergency, fire and operational storage and check these criteria against current available storage in both Rio Oso and Van Vleck tanks.
- Produce a brief TM outlining our findings.

Scope of Services:

Task 1. Gather and Review additional District flow and use data:

Obtain current flow SCADA data for both storage tanks. D&A will review the pertinent data to compile criteria for analyses.

Task 2. Data Analysis for Tank Storage:

After review of all data, D&A will compile and graph storage tank information for peak summer demand days (July & September 2024). Tank capacity needs and potential system control modifications will be established to potentially enhance use of existing tank capacities.

Task 3. Technical Memorandum (TM):

D&A will summarize our findings and recommendations in a Draft TM to be submitted to the District for review. A review workshop will be conducted with the District to gather comments and thoughts regarding the TM. After the review workshop, D&A will provide responses to all comments and questions prior to completion of the final TM.



DOMENICHELLI AND ASSOCIATES, INC. CIVIL ENGINEERING

Task Order Deliverables:

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

Project Fees:

Rancho Murieta Community Services District RM-045 Tank Sizing Standards Amendment #1

Fee Estimate 10/7/2024

Tasks		Lab	or		Total
	QA/QC	Project Manager	Project Engineer	Total	Total
	Joe Domenichelli	Daryl Heigher	Alex M/ Matt D	Hours	Fee
	\$210	\$180	\$138		
Task 1. Gather and Review additional SCADA & new Flow I	Meter data				
1.1 Gather and Review Additional Information	2	8	4	14	\$ 2,412
Subtotal Task 1:	2	8	4	14	\$ 2,412
Task 2. Data Analysis:					
3.1 Analyze & Graph Data for Tanks (Inflow & Outflow)	2	4	36	42	\$ 6,108
3.2 Establish Tank Capacity needs & potential modifications	8	4	24	36	\$ 5,712
Subtotal Task 3:	10	8	60	78	\$ 11,820
Task 4. Technical Memorandum (TM):					
4.1 Draft TM	4	4	8	16	\$ 2,664
4.2 Workshop with the District	4	4		8	\$ 1,560
4.3 Final TM	2	8	4	14	\$ 2,412
Subtotal Task 4:	10	16	12	38	\$ 6,636
TOTAL	22	32	76	130	\$ 20,868

Please give me a call if you have any questions.		
Sincerely,	Authorization to Proceed by,	
Goe - D		
Joe Domenichelli & Associates, Inc.	Rancho Murieta CSD	Date



3800 Happy Lane, Sacramento, CA 95827 916-395-8400, fax 916-395-8429 estimating@tntindustrial.com

> California Contractor's Lic. # 622974 Nevada Contractor's Lic. # 0072754 DIR Registration: 1000000573

September 25, 2024

Mr. Travis Bohannon Rancho Murieta CSD P.O. Box 1050 Rancho Murieta, CA 95683 TBohannon@rmcsd.com

Water Treatment Plant 2 Filter Bed Rehabilitation TNT Bid No. 24a-120

Dear Mr. Bohannon,

TNT Industrial Contractors, Inc. is pleased to present a billing price for the above referenced project. Our price includes the following.

Scope

- Remove, test and dispose of old media at landfill
- Clean and inspect internal piping and parts, concrete and coatings condition
- Repairs on (10) runs/cells, surface repairs only
- Supply and install new filter media per drawing provided in specifications
- Replace the drive, bearings and idle wheels as needed on traveling bridge with new parts.
- Replace rail cap, 1 each with new.
- Align hood and backwash trolly to tracks.
- Operation and testing to ensure equipment is working properly.
- All work will be at prevailing wage.

<u>Total Project Billing Price</u>.....\$299,039.00

Performance bond available, please add 2% onto total.

Clarifications

- 1. Prevailing wages included.
- 2. Our bid includes all labor costs and equipment necessary to complete the project.
- 3. We exclude fees, permits, testing, hazardous material abatement/testing and anything not specifically listed above.
- 4. New labor rates apply on 6/30/2025. For any work occurring after that date, new labor rates apply and change order will be required.
- 5. This project has been bid on a straight time only basis.
- 6. TNT will work uninterrupted until project completion. No additional mobilizations have been included.
- 7. Any change in the start date as stated at bid time will result in a day-for-day change of the expected completion date or will result in potential added costs to maintain the expected completion date.



3800 Happy Lane, Sacramento, CA 95827 916-395-8400, fax 916-395-8429 estimating@tntindustrial.com

California Contractor's Lic. # 622974 Nevada Contractor's Lic. # 0072754 DIR Registration: 1000000573

- 8. Material, equipment, and scope by others will arrive or occur in the proper sequence and in a timely manner so as to support our construction schedule.
- 9. Clear access will be provided for construction equipment.
- 10. TNT's bid price is based on current market conditions. In the event TNT is awarded the contract and there is a delay or significant price increase for material, equipment, or energy occurring after submission of this bid and before installation through no fault of TNT's, the bid price and contract sum, time of completion and contract requirements shall be equitably adjusted to reflect the price increase or delay.

Exclusions

- a) Overtime rates.
- b) Anything not detailed above
- c) Trenching and backfill.
- d) Concrete work.
- e) Engineering.
- f) Preparation, draining, purging, and cleaning of existing basin and piping.
- g) Site specific training.
- h) Liquidated Damages.
- i) Cost of Bond.
- j) Dewatering of any kind.
- k) Any and all items not specifically included in the above-mentioned Scope.

Thank you for the opportunity to offer our services. If you have any questions regarding this proposal, please do not hesitate to call.

Sincerely,

Josh Twist

. Fosh Twist

TNT Industrial Contractors



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 03/21/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

	FF01000F	DE1/101011 1111		
Sacramento, CA 95827 USA	INSURER F	:		
	INSURER E	:		
3800 Happy Lane	INSURER D	:		
TNT Industrial Contractors, Inc.	INSURER C	:		
INSURED		TRAVELERS PROP CAS CO OF AME	IR.	25674
Concord, CA 94524 USA	INSURER A	TRAVELERS IND CO OF CT		25682
		INSURER(S) AFFORDING COVERAGE		NAIC#
[Concord - Branch ID 15469] DIV# 401/406 P.O. Box 5668	E-MAIL ADDRESS:	sofia.ocegueda@epicbrokers.		
Edgewood Partners Insurance Center (EPIC)	PHONE (A/C, No, Ex	t):	FAX (A/C, No): 925-6	09-5370
PRODUCER CA LIC 0B29370 1-925-798-3	CONTACT NAME:	Sofia Ocegueda		

COVERAGES CERTIFICATE NUMBER: 750199097 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR		TYPE OF INSURANCE	ADDL INSD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP	LIMIT	 S
A	х	COMMERCIAL GENERAL LIABILITY		 DT22CO4W090069TCT24	04/01/24	04/01/25	EACH OCCURRENCE	\$ 1,000,000
		CLAIMS-MADE X OCCUR					DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	х	Deductible \$5,000					MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
	GEN	I'L AGGREGATE LIMIT APPLIES PER:					GENERAL AGGREGATE	\$ 2,000,000
		POLICY X PRO- JECT LOC					PRODUCTS - COMP/OP AGG	\$ 2,000,000
		OTHER:						\$
A	AUT	OMOBILE LIABILITY		8104W11312A2426G	04/01/24	04/01/25	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	х	ANY AUTO					BODILY INJURY (Per person)	\$
		OWNED SCHEDULED AUTOS ONLY AUTOS					BODILY INJURY (Per accident)	\$
	х	HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY					PROPERTY DAMAGE (Per accident)	\$
	х	AUTO PHYSICAL DAMAGE					COMP/COLL DED	\$ 1,000 /1,000
В	Х	UMBRELLA LIAB X OCCUR		CUP4W4059872426	04/01/24	04/01/25	EACH OCCURRENCE	\$ 9,000,000
		EXCESS LIAB CLAIMS-MADE					AGGREGATE	\$ 9,000,000
		DED RETENTION\$						\$
		KERS COMPENSATION EMPLOYERS' LIABILITY					PER OTH- STATUTE ER	
	ANYF	PROPRIETOR/PARTNER/EXECUTIVE	N/A				E.L. EACH ACCIDENT	\$
	(Man	datory in NH)					E.L. DISEASE - EA EMPLOYEE	\$
	If yes	s, describe under CRIPTION OF OPERATIONS below					E.L. DISEASE - POLICY LIMIT	\$
В	Inl	and Marine Package		QT6604W113211TIL24	04/01/24	04/01/25	Installation Fltr	700,000JbSte
							Deductible	2,500

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Evidence of Coverage - for Insured's Use

CERTIFICATE HOLDER	CANCELLATION				
TNT Industrial Contractors, Inc.	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.				
3800 Happy Lane	AUTHORIZED REPRESENTATIVE				
Sacramento, CA 95827 USA	Ca Thente				

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tnt@tntindustrial.com, www.tntindustrial.com 3800 Happy Lane Sacramento, CA 95827 916-395-8400, fax 916-395-8429

July 1, 2024

DOUBLETIME

DOUBLETIME

121.73

145.01

\$

\$

Rancho Murieta Community Services District 15160 Jackson Rd. Rancho Murieta, CA 95683

RE: Time and Material Rates - Northern California

TNT Industrial Contractors Inc., is pleased to offer the following time and material rates for skilled labor craftsmen:

STANDARD

STANDARD

78.91

90.55

120.00

OVERTIME

OVERTIME

100.32

117.78

These rates are effective through June 30, 2025

PIPEFITTERS

Local #447 (Sacramento)

Laborers (Sacramento) Rate B

Pipefitter Journeyman 108.33 144.48 \$ 180.63 Pipefitter Welder/Foreman 119.90 161.83 \$ 203.77 Pf-General Foreman 124.24 167.34 212.45 **CARPENTERS OVERTIME** Area 2 & 3 (Sacramento) **STANDARD DOUBLETIME** Journeyman 107.78 140.73 \$ 173.67 Foreman 114.38 150.62 \$ 186.86 \$ General Foreman 128.89 172.38 215.87 **OPERATOR OVERTIME DOUBLETIME STANDARD** 115.00 151.00 187.00

Working Hours: - Straight time pay for the first 8 hours in a regular working shift, and time and one half pay up to 10 hours. After 10 hours they shall receive double time pay. On Saturdays, Pipefitters receive time and one half for the first 10 hours of work, and double time after 10 hours. On Sundays and holidays Pipefitters will receive double-time pay.

Construction Specialist

Foreman

Project Manager \$

<u>Show up time: – Workers whom show up for work and no work is provided shall receive the following show up time pay:</u> Pipefitters – 4 hours, Laborers – 2 hours. This is language that is in our collective bargaining agreements. We will organize and manage our projects to make sure our craftsmen are properly utilized to prevent all non-productive expenditures.

Shop Fabrication: - Any shop fabrication that takes place will have a \$175 fee per day.

Labor: Will be billed at cost plus 20% markup.

Equipment: - All equipment will be charged at rates plus 18% markup

Materials: - Will be billed at cost plus 18% markup.

Subcontractors- Will be billed at cost plus 10% markup.

Bookkeeping services will be billed at \$85.00 per hour, not to exceed forty hours per work week.

ASME Code Services Rates can be provided if requested.

These rates are subject to change due to insurance or other unforeseen costs. You will be notified in advance of any possible changes.

TNT Industrial Contractors Inc DIR No. 1000000573

If you have any questions regarding the above, please do not hesitate to call. Thank you for the opportunity to offer these rates. We look forward to working with you in the near future.

Sincerely,

Josh Twist

TNT Industrial Contractors, Inc.

A California Corporation.

SUMMARY OF BID RESULTS RMCSD WWTF SODIUM HYPOCHLORITE SYSTEM IMPROVEMENTS OCTOBER 3, 2024

			Anneous	Engineer's		Gatew	ay Pacific		,	ГNТ		Pacific I	nfrastructure
Bid Item	Description	Unit	Approx Engineer' Quantity Estimate		U	nit price	Extended Price	Unit	price	Extended Price	U	nit price	Extended Price
BASE BID	ITEMS												
1	Mobilization/Demobilization	LS	1	\$ 60,000	\$	100,000	\$ 100,000	\$	97,500	\$ 97,500	\$	100,000	\$ 100,000
2	Prepare and Implement Water Pollution Control Plan	LS	1	\$ 10,000	\$	5,000	\$ 5,000	\$	16,847	\$ 16,847	\$	10,000	\$ 10,000
3	Sodium Hypochlorite Tanks Removal and Salvage	LS	1	\$ 30,000	\$	25,000	\$ 25,000	\$	2,511	\$ 2,511	\$	70,000	\$ 70,000
4	Alum Tanks Removal	LS	1	\$ 30,000	\$	25,000	\$ 25,000	\$	9,560	\$ 9,560	\$	90,000	\$ 90,000
5	Demolition of Chemical Tanks Containment Structure	LS	1	\$ 50,000	\$	200,000	\$ 200,000	\$	88,115	\$ 88,115	\$	100,000	\$ 100,000
6	Removal/ Disposal of Chemical Piping	LS	1	\$ 20,000	\$	50,000	\$ 50,000	\$	8,438	\$ 8,438	\$	50,000	\$ 50,000
7	Construction of Chemical Tank Containment Structure	LS	1	\$ 430,000	\$	250,000	\$ 250,000	\$ (26,156	\$ 626,156	\$	400,000	\$ 400,000
8	Furnish and Install Sodium Hypochlorite Tanks	EA	2	\$ 130,000	\$	250,000	\$ 500,000	\$	79,662	\$ 159,324	\$	200,000	\$ 400,000
9	Furnish and Install Alum Tanks	EA	2	\$ 130,000	\$	250,000	\$ 500,000	\$	80,471	\$ 160,942	\$	200,000	\$ 400,000
10	Furnish and Install Chemical Piping	LS	1	\$ 75,000	\$	200,000	\$ 200,000	\$ 2	45,000	\$ 245,000	\$	365,000	\$ 365,000
11	Reconstruct Plant Drain/Site Piping Improvements	LS	1	\$ 50,000	\$	75,000	\$ 75,000	\$ 1	60,000	\$ 160,000	\$	300,000	\$ 300,000
12	Control Building Modifications	LS	1	\$ 30,000	\$	25,000	\$ 25,000	\$	24,900	\$ 24,900	\$	100,000	\$ 100,000
13	Chemical Metering Pumps Modifications	LS	1	\$ 25,000	\$	75,000	\$ 75,000	\$	84,900	\$ 84,900	\$	100,000	\$ 100,000
14	Electrical/Instrumentation Improvements	LS	1	\$ 250,000	\$	462,869	\$ 462,869	\$ 4	75,000	\$ 475,000	\$	400,000	\$ 400,000
15	All Sheeting, Shoring, and Bracing	LS	1	\$ 10,000	\$	2,000	\$ 2,000	\$	8,888	\$ 8,888	\$	25,000	\$ 25,000
ADDITIVI	E BID ITEMS												
16	Construction of Chemical Tank Containment Structure Canopy	LS	1	\$ 250,000	\$	300,000	\$ 300,000	\$ 2	34,477	\$ 234,477	\$	260,000	\$ 260,000
	TOTAL BAS	SE BID I'	TEMS 1-15	\$ 1,330,000	\$		2,494,869	\$		2,168,081	\$		2,910,000
		GRAN1	D TOTAL	\$ 1,580,000	\$		2,794,869	\$		2,402,558	\$		3,170,000



Please Remit Prodigy Electric And Controls, Inc.

To This PO Box 141
Address: Lincoln, CA 95648

Bill To: Rancho Murieta CSD

15160 Jackson Road Rancho Murieta, CA

40602
9/20/2024
\$18,488.60
Net 15

Phone # 916.997.0798

CA License # 998361

Job Description

Main Office Lts

Description	Qty	Rate	Total
Install New Led replacement lights in Main offices and use mc cable as needed. Includes:	1	18,488.60	18,488.60
12@ Outdoor can down Led Its 8@ 4'x1' wrap around led Its 46@ 4'x2' troffer led Its 8@ 2'x2' troffer led Its			

Total \$18,488.60



Please Remit Prodigy Electric And Controls, Inc.

To This PO Box 141
Address: Lincoln, CA 95648

Bill To: Rancho Murieta CSD

15160 Jackson Road Rancho Murieta, CA

40600	Quote #
9/20/2024	Date
\$17,275.38	Total Due:
Net 15	Terms
	P.O. No.

Phone # 916.997.0798

CA License # 998361

Job Description

WWRP Warehouse Lights

Description	Qty	Rate	Total
Install New Led replacement lights in warehouse and use mc cable as needed. Includes:	1	17,275.38	17,275.38
5@ Outdoor Wall pack Led Its 9@ PIR High Bay led Its to replace 8' strip Its 1@ 4' led strip It for an always on It above battery table 9@ 4'x1' wrap around led Its 9@ 4'x1.5' wrap around led Its 1@ led screw in bulb in bathroom			

Total \$17,275.38



Please Remit Prodigy Electric And Controls, Inc.

To This PO Box 141
Address: Lincoln, CA 95648

Bill To: Rancho Murieta CSD

15160 Jackson Road Rancho Murieta, CA

Quote #	40603
Date	9/20/2024
Total Due:	\$29,081.77
Terms	Net 15
P.O. No.	

Phone # 916.997.0798

CA License # 998361

Job Description

WTP Lts

Description	Qty	Rate	Total
Install New Led replacement lights in warehouse and use mc cable as needed. Includes:	1	29,081.77	29,081.77
Includes: 8@ Outdoor Wall pack Led Its 2@ PIR High Bay led Its to replace 8' strip Its shop 1@ 4' strip It 13@ 8 ft strip It 3@ led screw in bulb in bathroom 3@ outdoor 6" can led Its 54@ 4' vapor tight Its 9@ 4'x2' troffer led Its			

Total \$29,081.77



Please Remit Prodigy Electric And Controls, Inc.

To This PO Box 141
Address: Lincoln, CA 95648

Bill To: Rancho Murieta CSD

15160 Jackson Road Rancho Murieta, CA

40601	Quote #
9/20/2024	Date
\$12,593.01	Total Due:
Net 15	Terms
	P.O. No.
	P.O. No.

Phone # 916.997.0798

CA License # 998361

Job Description

WWRP operations lts

Description	Qty	Rate	Total
Install New Led replacement lights in Operations building and use mc cable as needed. Includes:	1	12,593.01	12,593.01
2@ Outdoor Wall pack Led Its 1@ 8' led strip light 16@ 4' vapor tight Lights (6 are for the outdoor awning areas) 11@ 4'x1' wrap around led Its 5@ 4'x1.5' wrap around led Its			

Total \$12,593.01

MEMORANDUM

Date: October 8, 2024

To: Improvements Committee

From: Mimi Morris – General Manager

Subject: Basin 5 Maintenance and Responsibility

BACKGROUND

Basin 5 is a stormwater detention basin that is part of the overall Rancho Murieta drainage system. There is shared responsibility for the maintenance of the basin due to the various intersecting ownerships of the components of the area. The Country Club owns the property from the golf course to the fence next to Reynosa Drive, RMA has a 10' wide strip of land between the fence and Reynosa Drive, and the basin itself is the responsibility of the CSD as part of the stormwater drainage system.

The District installed aerators to the basin several years ago and last year they had to have electrical work done to restore their functionality, but that has not been enough to address the ongoing smell and abundance of weeds in the basin.

PROPOSAL

Staff is going to test pilot a couple of options to improve the issues with unpleasant smells and excessive weeds such as:

- a. Cleaning the basin to have a good operational starting point;
- b. Adding recycled water to the basin during the dry season to prevent decay and corresponding smells;
- c. Annual reassessment of the conditions in order to have good operational control.

Lost Lake - Basin 5



Photo Taken August 7, 2011

Basin 5 Solution Rasin 5 Solution

August 17, 2011 CSD Board Meeting

A Challenge Over 10 Years Old

- Original resident complaints began in 1997
 - Algae growth and odor
 - Newsletter
- Complaints continued through 2002
 - Concerned residents March 2002 article:
 - http://www.ranchomurieta.com/localnews/csd031702.html
 - A Fish and Game biologist who lives along the basin proposed duck weed and mosquito fern growth reduction suggestions that included boat crews (skimmers & nets at the surface), predation (native beetle and fish), herbicides and fountain and aeration system as possible options
 - All have been explored except fountain and aeration systems
- An nearly insurmountable challenge

December 2001

Rancho Murieta Community Services District

Quarterly Newsletter

HOOD UPDATE

by: Ed Crouse

Geological Survey, According to the US January 1997 storms 1986 you even or those remember the storms, worse. who the of



BEFORE

station peaked at 93,000 cubic feet per second that second. Prior to this year, the highest flows recorded since corresponds to a 150 year event. For reference, flow in 1907 were in 1986. 1986, roughly a 70 year event, was 45,000 cubic feet per flow on the Cosumnes River at the Michigan Bar gauging

the levee. levee was constructed in 1977 to elevation 162 at the top of storms showed the high water line at elevation 146. The the south course. Surveys completed immediately after the Water levels rose 6 feet above the green at the first hole of

repairs consisted of trimming the near vertical face back to completed last month by Granite construction. These stabilize the face and provide erosion protection were section next to the third green. Emergency repairs to Raging flows eroded the face of the levee for a 500 foot

> with the District is working spring rains. Currently placing plastic sheets protection over the its natural slope and geotechnical face for against



TER

early summer this year. collected through billing rates, will begin late spring or future. Final repairs, paid out of replacement reserves permanent repairs that will prevent similar erosion in the

their original condition. Anticipated assistance will be on a assistance with repair expenses to return the facilities to 75% federal and state share and 25% local share. Through FEMA, the District hopes to receive financial

flooding. Sacramento County design standards require the community. year event. year flood elevation. Streets are designed to handle a 10 finished floor elevation of all homes to be above the 100 Localized instances of plugged drains caused minor street No areas of the community experienced major flooding. These elevations vary throughout the

I SOL LAKE . Pond #5 by: R. Lee Lawrence on Reynosa Drive at 5th Tee

Recently concern was expressed regarding the aesthetics and operation of Lost Lake. Some background information follows:

were added to enhance the habitat for the tri-colored blackbird. reconstructed the pond to serve as a storm water detention basin. At the same time, not wanting to lose a valuable wildlife habitat, features became an overflow pond for drainage prior to discharge to the river. To accommodate residential storm runoff, Winncrest Homes Prior to the construction of the south golf course, the pond was used for cattle watering. Following the golf course construction, the pond

of the pond is 19 feet deep. Trees were added to screen the pond and provide additional bird sanctuary. Because of the dual function of the pond, maintenance is very troublesome. Two feet below the water surface, a 10 foot wide shelf protects visitors from falling in and provides a base for cattails to grow. The center

water is used to flush through the pond to maintain clarity. Fish & Game monitors herbicide use, as the water eventually reaches the river. Compounding the problem, street runoff carries nutrients from lawns and other organics that increase algae and weed growth. No domestic The aesthetic desire of the residents must be balanced with the need to maintain the habitat in its natural state as much as possible

However, we routinely monitor the pond, and as necessary, perform pond maintenance and cleanup.

If you have any questions, please call R. Lee Lawrence.

RMCSD SERVICES

control, and security services. If you have any questions about the services, the following staff members The Community Services District, your local government, provides water, sewer, drainage, flood will be available to assist you. Telephone number - 354-3700

Ed Crouse, General Manager/District Engineer

Greg Hall, District Accountant

Lee Lawrence, Supt., Water/Wastewater/Drainage James Noller, Chief of Security

Betti Sadler, District Secretary

Menicucal. Monthly Board meetings are on the third Wednesday of every month at 4:00 p.m. at the District Murieta Board members are John Thurston, Elliot Sevier, Dick Stevens, James Lensch and Don The District is governed by a five person Board of Directors elected by registered voters at Rancho office.

All meetings are open to the public and residents are encouraged to attend. The agenda for the meeting is available at the CSD Office



RANCHO MURIETA COMMUNITY SERVICES DISTRICT 15160 Jackson Road, P.O. Box 1050 Rancho Murieta, CA 95683 ■ (916) 354-3700

BULK RATE
US Postage
PAID
Permit # 200
R. Murieta,
CA.

Resident Rancho Murieta, CA 95683



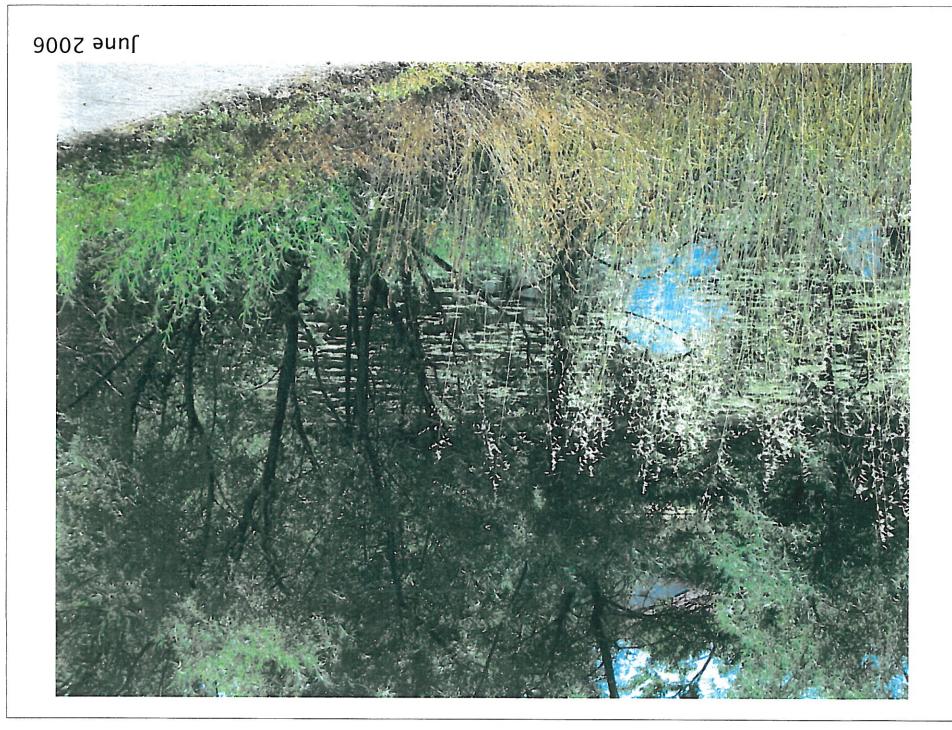
October 2004



June 2006



June 2006



What's Been Done So Far

- Pond skimming
- Micro chipped fish
- Chemicals at seasonal times White Cap
- Drain drawing water from top
- Solar mixing unit
- Weed eating and clean-up

Continuing The Cause

- Engagement efforts started-up again in October 2010
- The Mission: Find a long term, viable solution to remove/reduce the green and odor. Change it from a longstanding eyesore and swampy appearance to something that reflects community standards.
- ▶ First CSD board meeting in October 2010
- ▶ First RMA board meeting in November 2010
- Resident petition in April 2011 with over 100 signatures
- Successful at getting both CSD and RMA to consider partnering on improving the basin

May 2011 CSD & RMA Meeting Outcomes – Meeting #1

- First CSD and RMA combined meeting in May 2011
- Option A Turning basin into a "park-like" amenity estimated at \$50,000+
 - Could not be pursued since land owned by Pension Trust Fund - land in the middle of being sold
- Option B Fountains or other long-term, permanent solution to remove green and odor

June 2011 CSD & RMA Meeting Outcomes – Meeting #2

- CSD agreed to investigate long term solution possibly one to two fountains and/or other opportunities for sustainable, permanent solution
- Committed to researching:
- Fountains and/or other equipment to reduce green and smell
- Electrical installation
- Estimate ongoing SMUD electrical operation costs
- PMA stated that they do not own the water nor the basin but were willing to assist in electrical costs for the purposes of community amenity

 Support for half of electrical costs was originally proposed
- pending their Board approval
- Responsibility of ongoing maintenance was not discussed until a solution was determined

Residents Brought In Experts

- July 2011 CSD research for a permanent solution slowed and was referring to efforts as pursuing "decorative fountains" versus what was discussed at June Meeting #2
- Resident Steve Haidet contacted a representative from Innovative Pond Products/Lake Solutions to come onsite
 - Develop a specific algae and odor reduction solution for Basin 5
 - Biologist Angie Montalvo restated biological facts on pond oxygenation as a viable solution
- Basin 5 onsite meeting with Lake Solutions representative, Mike McPherson and Paul Siebensohn on July 22
- Received proposal on August 1 for one aerating fountain and four diffusers intended to control algae, pond odors, plant growth and mosquito populations

CSD Response – Ed Crouse on Aug

- "While in the past we have pursued methods to improve water quality, we will not make any warranties or guarantees to improve the water quality to beyond what it is now and for the foreseeable future."
- "Our primary focus in the past was to stay on top of the surface weeds and algae. We will continue to work with you on that effort."



August 2011



f 102 tsuguA

CSD Response - Ed Crouse on Aug 12, 2011

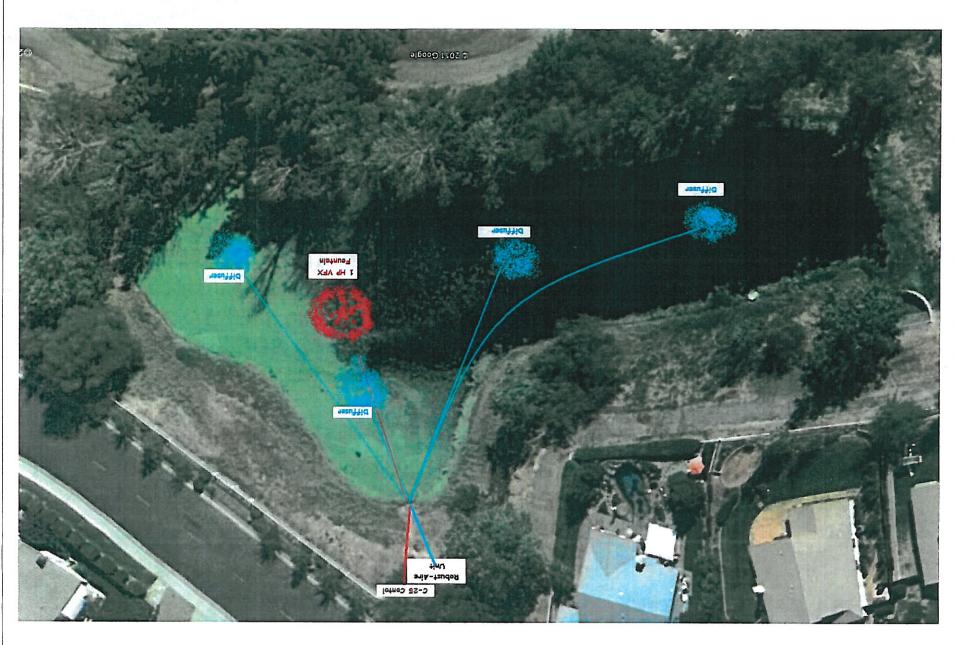
"We installed the solar bee to see if it could improve water quality by mixing the water in hopes of improving the water quality. This was a no cost approach to the district."



f f 02 tsuguA

CSD Response - Ed Crouse on Aug 12, 2011

- "We believe the basin water quality is not dependent on adding more subsurface aeration. We believe the dissolved oxygen in the basin is adequate."
- Fish and Game Biologist Angie Montalvo: "Unshaded large bodies of water such as ponds or stream water where shade vegetation has been removed may have a higher water temperature than the normal background stream. Hence, increased plant and algae growth would be expected in ponds as well as a higher nutrient load and bacterial activity. Adding oxygen will help increase good water quality including reducing algae and invasive species problems, and aesthetics."



Proposed Positioning of Fountain and Diffuser Units

CSD Response - Ed Crouse on Aug 12, 2011

- "We agreed to fund the fountain, primarily as an aesthetic amenity. Now it appears that RMA may be backing off participating in adding an aesthetic component. The District will not agree to carry the burden of the future operational costs."
- Nick Arthur RMA General Manager on Friday, August 5, 2011: "Ed, as I remember the conversation Rod and I said we would ask the RMA Board of Directors if they would agree to RMA paying half of the electric bill to run the pump. Period."

CSD Response – Ed Crouse on Aug 12, 2011

- "We are willing to continue with our earlier pledges, but now the scope creep is increasing beyond our original pledges. We are not interested in pursuing the additional scope increases."
- From June 2011 CSD and RMA meeting: The original scope was to find a long term solution to reduce/remove the green and the odors. We discussed a number of possible solutions including fountains, bubblers and other mechanisms.

CSD Response – Ed Crouse on Aug 12, 2011

- "Thank you for your efforts in representing your neighbors and working with RMA and the District."
- Mark Pecotich on behalf of residents August 17, 2011 We sincerely appreciate your continued support to improve the appearance and odor of Lost Lake. We are confident based on pond biology and expert recommendations that we may have a final solution in hand!

. ,			

Initial Fixed Costs

ltem	Cost
KA44VFX150 – V-Head Fountain 1hp, 150' Cord, C-25 Controller, Float, Motor & Mooring Lines	\$2,264.00
KARA4 – 4 Diffuser Assembly w/ 1000' 3/8" Tubing, Cabinet, Compressor (120V) & Valving	\$4,171.00
KIWS25 - Waste & Sludge Reducer 25# Bucket / 50 Packets	\$499.50
Sales Tax 8.25%	\$572.10
Electrician - Electrical Installation	\$2,010.00
CSD Labor for Equipment Installation	Unspecified
Total	\$9,516.60

Ongoing Costs - Annually

▶ Based on 12 hour per day operation – 7:00 am to 7:00 pm

365 days per year*

61.289\$	Total CSD Electrical Share (1/2 Total)
ZE.07E, I &	Total
bəifiəqenU	CSD Labor for Pump, Fountain and Diffuser Ongoing Maintenance
£5.769\$	Electrical Operation – One Aeration Fountain
†8.278 	Electrical Operation – Four Diffuser units
TsoD	ltem



Proposal for Services Annual Pond Management

PROPOSAL FOR:

Rancho Murieta CSD

PROPOSAL BY:

Sara Malek
Business Development Consultant
SOLitude Lake Management
sara.malek@solitudelake.com
415.686.5933

March, 14 2024











HARVESTING SERVICES

PROJECT SUMMARY: The scope of work described below includes mobilization and demobilization of an aquatic weed harvester with operator for 1 day work, Shore hand with conveyor to dispose material on specific space on site for 1-day work. The company is not responsible for the hauling and disposal of the removed material.

SPECIFICATIONS:

- 1. The Company will mobilize / demobilize a harvester and operator to the site.
- 2. The company will provide a Shore Hand Conveyor on site
- 3. A (1) day of mechanical harvesting services are included which will be scheduled in accordance with the customer.
- 4. Company is not responsible to hauling and disposal of removed material.

Assumptions:

- 1. Company will have free and unimpeded access at the work location to store these parts on site.
- 2. Assignment will be completed on demand, and scheduled in advance with Solitude Lake Management.
- 3. Does not require any engineering or permits.
- 4. Should any additional issues be identified during work activity, Company will notify the Customer immediately to discuss modified scope, related additional costs, and confirm project path forward.

<u>Customer Responsibilities:</u>

- 1. Customer will be responsible for the following:
 - a. Providing information required for the permit application process upon request.
 - b. Providing Certified Abutters List for abutter notification where required.
 - c. Perform any public filings or recordings with any agency or commission associated with the permitting process, if required.
 - d. Compliance with any Order of Conditions or other special requirements or conditions required by the local municipality.
 - e. Compliance and enforcement of temporary water-use restrictions where applicable.

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Breakdown Prices for 1 day (6 hours) work:

SERVICE	Price
Aquatic Harvesting with Operator for 6h/day	\$1,650.00
Shorehand with Conveyor trailer	\$600
Equipment Mobilization One time cost	\$500

Note: The prices shown above are valid for 60 days from the date of this quotation.

All prices shown are <u>all inclusive of all product and labor</u> associated with the services being offered. We do not** bill for additional products

services being offered. We do not** bill for additional products.

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