



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

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

IMPROVEMENTS COMMITTEE

(Directors Morrison Graf and Les Clark)

Regular Meeting

August 7, 2018 at 8:30 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.

AGENDA

1. **Call to Order**
2. **Comments from the Public**
3. **Monthly Updates**
 - ✚ Development
 - ✚ Emergency Well Project
 - ✚ Cantova Pump replacement
4. **Approve Proposal for Laguna Joaquin Measurement Station Installation**
5. **Approve Main Lift South – Stormwater Pumps 4 and 5 Repairs**
6. **Authorize General Manager to Approve a Contractor to Install Recycled Water Line Installation from Sobon Lane to Murieta Drive, Water Supply Augmentation Project 17-5-11, CIP 18-11-1 Commercial Loop Conversion**
7. **Directors & Staff Comments/Suggestions** *[no action]*
8. **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 72 hours prior to a regular 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. **Note:** This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is August 2, 2018. Posting locations are: 1) District Office; 2) Rancho Murieta Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.*

MEMORANDUM

Date: August 1, 2018
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Monthly Updates

DEVELOPMENT PROJECTS

The Retreats East and North

No update.

The Retreats West

Three homes being built are in the process of tying in water and sewer connections with oversight from District staff.

The Murieta Gardens - Murieta Marketplace

This project is still on hold.

The Murieta Gardens – Highway 16 Off-Site Improvements

The Highway 16 road widening and development of an entrance in to the Murieta Gardens development is continuing.

The Murieta Gardens II – Subdivision

The contractor has installed the bore casing and sewer line under Murieta Drive that will connect the subdivision's sewer to the Districts Cantova sewer lift station. They are working back towards the location of the subdivision and have installed and pressure tested the first manhole installation. No schedule has been received from the project manager, however, our inspector from Coastland reports that it should be approximately three (3) more weeks of sewer line and manhole installations before they begin work on the storm drain lines or recycled water infrastructure.

Rancho Murieta North – Development Project

The project engineer has submitted a preliminary water study and a preliminary sewer study for the Rancho Murieta North Project. We are working to have the developer enter into a Facilities Extension Agreement to support the District's request to review these documents.

FAA Business Park

This project has not started yet and no word has been received from the project.

The Greens Neighborhood Park

No update.

DISTRICT PROJECTS

Emergency Well Project

A contract for Integra Realty Resources has been submitted to them to sign and return for the work for land site appraisal.

Cantova Pump Replacements

After Board approval to proceed, a contract was signed and submitted to Xylem to manufacture and deliver the new pumps and related appurtenances for the Cantova lift station. They reported that delivery was estimated to be twelve (12) weeks out.

MEMORANDUM

Date: August 1, 2018
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Approve Proposal for Laguna Joaquin Measurement Station Installation

RECOMMENDED ACTION

Approve the proposal from Telstar Inc. for Laguna Joaquin level monitoring station installation in an amount not to exceed \$26,950.25 including a 15% contingency. Funding to come from Capital Improvement Reserves, CIP 18-05-2.

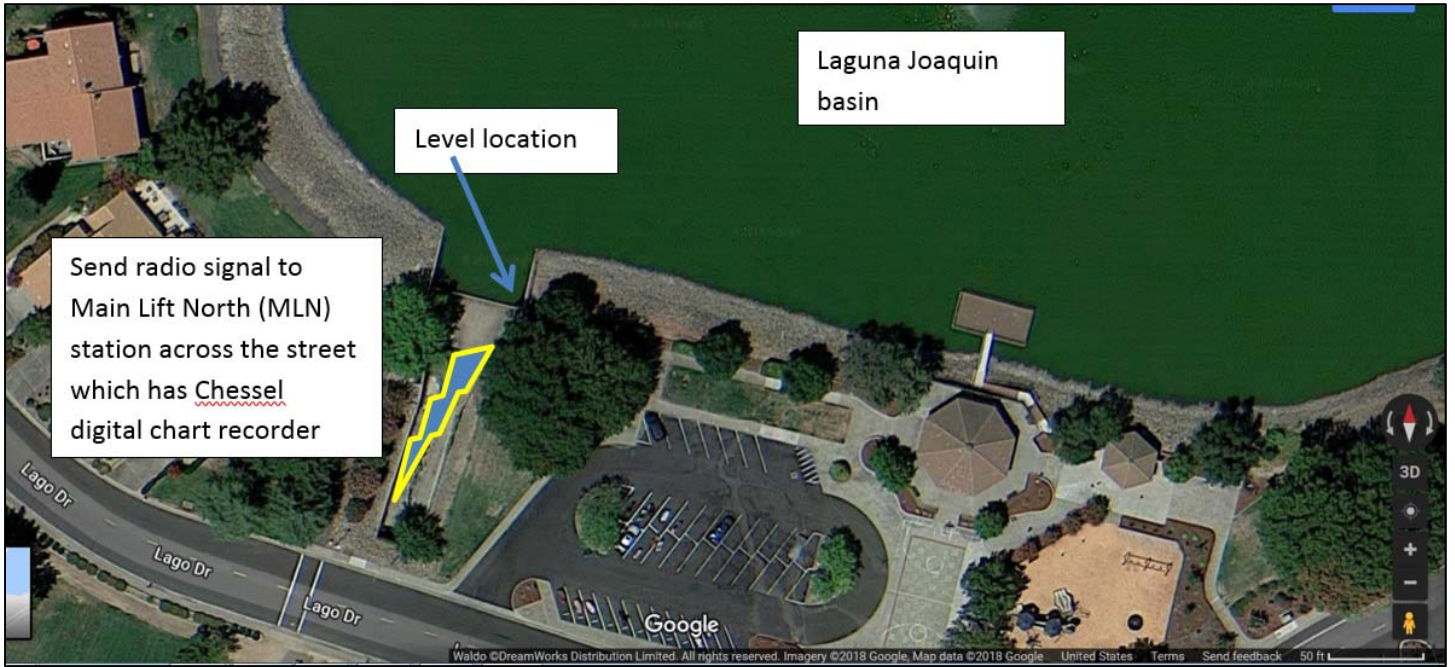
BACKGROUND

The goal for this site, as outlined in CIP 18-5-2, is to provide continuous level monitoring and capture that data as required for reporting to the State Water Board, Department of Water Resources. Request for quotes to complete this work as visually outlined below.

Zoomed out:



Zoomed in:



A level transducer and RTU will be mounted on the east side of the Laguna Joaquin spillway. It will be powered by a localized solar panel with battery backup system. The information generated will be sent via radio across to the Main Lift North sewer pump station which has an existing digital chart recorder that will be utilized to record the data.

Attached is their quote.



C10 Contractor License #422364

**CONTROL SYSTEM INTEGRATION • INSTRUMENTATION SALES & SERVICE
SCADA • PLC/HMI • Telemetry • Calibration • Maintenance**

July 13, 2018

Rancho Murieta CSD
Sent via email: psiebensohn@rmcsd.com

Attn: Paul Siebensohn
Subj: Laguna Joaquin Reservoir Level Monitor
Ref: 33251

Dear Paul,

Telstar is pleased to provide the reference quotation for your consideration. The quote consists of measuring the reservoir level near the dam and send it over to the Main Lift North Station. The level will be terminated to the existing Chessell chart recorder. There is no power available in the new panel location. Power needs to be installed from the gazebo to the new level panel location. Alternative option is using solar system to power up the new panel. Our scope of work is as follows:

1. Furnish a control panel with 900 MHz SS radio with 24 V power supply, TBs and accessories.
2. Provide antenna, cable, mast and accessories in both sites. Antenna height will be determined during installation.
3. Provide a submersible level transducer 0-10 feet with surge protector.
4. Install panel, antennas and level transducer.
5. Install radio and antenna in Main Lift North Station control panel
6. Modify Main Lift North Station to incorporate reservoir level to the Chessell recorder.
7. Startup and commissioning of stations.
8. 2 set of O and M manuals and As Build drawings.

The price for this reference quotation as outlined is.....\$18,935.00

Price includes tax and freight. Delivery is 2-4 weeks.

Optional solar system

The solar system consists of 240 W solar panel with 2 each 74AH gel cell batteries and charger in a NEMA 3R enclosure. Install the battery panel next to the level panel.

The cost for solar system is.....\$4,500.00

Price includes tax and S/H. Delivery is 2-4 weeks

Exceptions/ Exclusions/ Clarifications:

TELSTAR INSTRUMENTS

1. Any task that is not on the SOW is Excluded.
2. Installation of 120 V power to the new location is by Other.
3. Chessell recorder is existing and will need at least 1 spare channel for the reservoir level. Any addition of hardware to the Chessell is Extra.
4. For the solar system: in order to have enough sun light to charge the panel trees may need to trim back. This task is provided by RMCSA.

Terms and Conditions: For your convenience, we now accept all major credit cards. We can commence with this at your direction. This quote is valid for thirty days. This quote is based on information provided to Telstar and may or may not be correct or complete. Please review this proposal for compliance with the complete and final specifications and drawings before acceptance. Our terms are due and payable 30 days from date of invoice. Payments must be made on a minimum of a monthly basis. If payment is not received by the 30th day, a .05% daily service charge (18-3/4% per annum) will be charged on all accounts past due. Rates quoted herein will automatically be increased for overhead, and cost of living at a minimum of every year, or at contract renewal, whichever is less. Attorney's fees, court costs and costs of collection will be paid to prevailing party. Permits and bonding are excluded unless otherwise noted herein. Our standard insurance applies unless otherwise, agreed to in writing by Telstar. We accept no responsibility for consequential damages and our standard warranty applies. Telstar does not warranty OEM equipment; the standard manufacturer's warranty applies. Any labor performed by Telstar due to equipment warranty claims, is due and payable as an extra and/or additional charge to the quote noted herein. Please reference the above stated quote number in all correspondence and purchase orders. Unless otherwise noted, this quote is based on standard straight time hours and does not include any prevailing wage rates unless agreed in writing by Telstar. Vehicle expense will be in addition to the price quote, unless specifically included within the body of this quote. The price quoted herein is for the labor and materials specifically listed within the body of this quote. Service calls and time and materials rates carry a 4-hour minimum per person, any time over 4 hours is charged as 8 hours. Cancellation charges apply including engineering, labor, materials, quote and estimating time, markup, % of profit, return goods fees, etc. at the time of written cancellation notice to Telstar.

We can proceed with this at your notice and look forward to working on this project. If you have any questions please do not hesitate to contact me at 916-646-1999.

Sincerely,



Tak Koo,
Project Manager

To: Rancho Murieta Community Services District

Quote Date: June 20, 2018

Attn: Paul Siebensohn

Quote No.: 18E223Q01

Re: Remote Monitoring of Level at Various Locations

Thank you for your interest in TESCO products, services, and solutions. We are pleased to quote the following scope of work pertaining to the above-referenced project. The scope includes continuous and remote level monitoring at various locations for level recording. The scope will include level transmitter packages for the following locations:

- Laguna Joaquin Reservoir
- Calero Reservoir
- Chesbro Reservoir
- Clementia Reservoir
- Pond 17

TESCO's proposal includes remote telemetry panels for wireless transfer of level indication to specific locations allowing the District to access periodic levels for reporting. The locations and scope of work per location is as follows:

Laguna Reservoir Wireless Link to Fire Station Lift Station Chart Recorder:

The scope includes a NEMA 3R Remote Telemetry Panel with I/O module, radio transceiver, and submersible level transmitter with the intent to provide a wireless level signal to the Fire Station Lift Station Chart Recorder. Level data to be accessed at the station chart recorder. The scope also includes an on site radio study for recommended frequency and radio feasibility. Antenna masts to be supplied and installed by others. Price for the wireless link is dependent upon radio connectivity.

Item	Qty	Description
1	1	At Laguna Location: NEMA 3R Telemetry Panel with 120VAC disconnect, remote I/O module, radio transceiver, power supply, submersible level transmitter with termination box, antenna with coaxial cable, (level transmitter and antenna installed by others)
2	1	At Fire Station Location: NEMA 12 Telemetry Panel with 120VAC disconnect, remote I/O module, radio transceiver, power supply, antenna with coaxial cable, (antenna installed by others)
3	Lot	Technical Services: <ul style="list-style-type: none"> ▪ Engineering & Project Management (schematics, submittals, and project coordination) ▪ Programming (setup of I/O module, factory test) ▪ Network & Telemetry (radio study and verification) ▪ Field Service – installation verification, instrument calibrations, field testing, and startup
TOTAL FOR ITEMS 1 - 3:		\$32,265.00

MEMORANDUM

Date: July 27, 2018
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Approve Main Lift South Stormwater Pump Repairs

RECOMMENDED ACTION

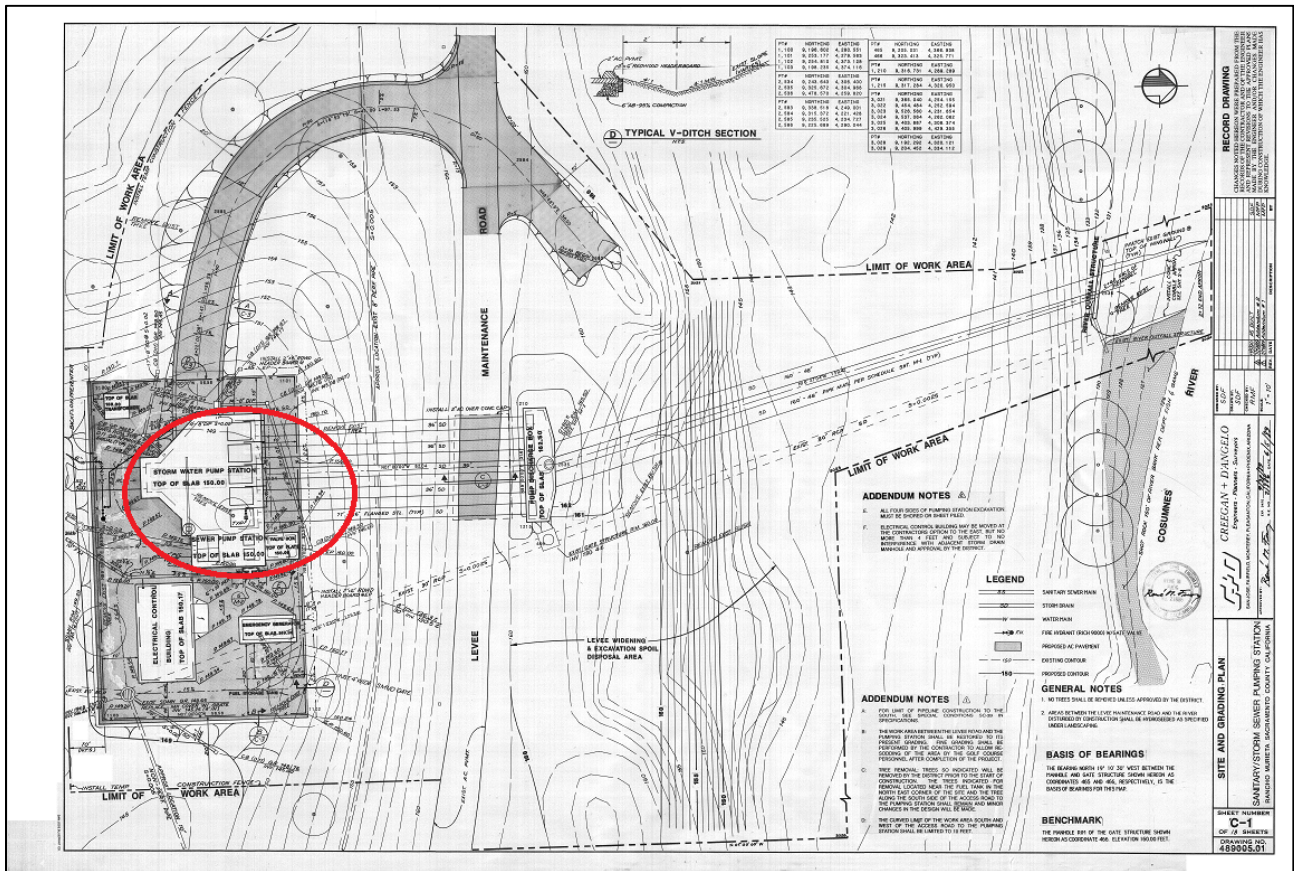
Approve the proposal from Delta Pump Co. for Main Lift South stormwater pump 4 & 5 repairs in an amount not to exceed \$93,734.2, which includes a 15% contingency. Funding to come from Drainage Reserves.

BACKGROUND

The Main Lift South storm water pumps pump water that is collected from the interior side of the South community levee and to the Cosumnes River for flood protection. During the course of the heavy storms experienced this past year, four (4) of the five (5) pumps sustained some damage that would not allow them to rotate. Two (2) pumps have already been serviced and reinstalled. Two (2) more need to be serviced in order to operate. Delta pump matched their previous bid for pulling, repairing, and reinstalling two (2) pumps and two (2) motors. Attached is their quote. Photos of the site and pumps are below.



MLS Stormwater Motors, pumps are located beneath the motors.



Corrosion of Vortex Plate of pump 2



Corrosion of pipe column



Corrosion of pipe column

DELTA PUMP

646 S. California Stockton, Ca 95203
 PHONE: (209) 466-9625 FAX: (209) 466-1324

QUOTE

CUSTOMER: Rancho Murieta Community Service Dist.
 15160 Jackson Rd.
 PO Box 1050
 Rancho Murieta, Ca 95683

DATE: July 17, 2018
PHONE
CONTACT

JOB SITE: Same

150 hp Cascade Prop # 24ML

Quantity		TOTAL AMT.
	LABOR -- Crane remove two pumps and two motors -- Prevailing Wage	\$ 9,100.00
	LABOR -- Load, bring to shop, clean, measure and inspect all parts, fabricate new anti vortex plates, repair discharge pipes, remove bowl bearings and suction bell bearing, machine, bore diffuser bowl castings, machine and install new bearings, heat and remove propellers from propeller shafts, machine and install new propeller shafts, balance propellers, cut, machine and thread line shafts, remove marine bearings, press in new marine bearings, remove stuffing box bearings, machine and install new bearings, clean and enamel coat pump columns with two coats of epoxy paint, assemble pumps, install packing	\$ 22,784.00
	LABOR -- Deliver and install pump and motor -- Prevailing Wage	\$ 7,630.00
	LABOR -- Sand blast pump column	\$ 2,800.00
	Rented crane fee -- 100 ton, install pumps and motors	\$ 6,000.00
	Freight	\$ 600.00
	Labor subtotal	\$ 48,914.00
	MATERIAL	
40'	Shaft, 2 - 11/16" stainless steel # 416	\$ 6,634.00
1	MSCL epoxy paint	\$ 2,600.00
2	Propeller shafts, stainless steel # 416	\$ 1,234.00
4	Line shaft couplers, 2 - 11/16"	\$ 588.00
2	Line shaft couplers, 2 - 7/16"	\$ 180.00
6	Brass sleeve bearings	\$ 1,854.00
2	Brass sleeve bearings	\$ 618.00
2	Marine bearings	\$ 1,234.00
4	Shaft sleeves, stainless steel	\$ 2,968.00
2	Propeller locks, brass	\$ 160.00
1	Material to fabricate new vortex plates	\$ 800.00
1	Material to repair discharge pipes	\$ 300.00
1	MSCL hardware	\$ 700.00
1	Packing	\$ 260.00
4	Gaskets, 36"	\$ 500.00
	Material subtotal	\$ 20,630.00

DELTA PUMP

646 S. California Stockton, Ca 95203
 PHONE: (209) 466-9625 FAX: (209) 466-1324

QUOTE

CUSTOMER: Rancho Murieta Community Service Dist.
 15160 Jackson Rd.
 PO Box 1050
 Rancho Murieta, Ca 95683

DATE: July 17, 2018
PHONE
CONTACT

JOB SITE: Same 150 hp Cascade Prop # 24ML

Quantity		TOTAL AMT.
	Refurbish both electric motors including --	
	LABOR --	
	Disassemble two electric motors	\$ 1,188.00
	Clean all parts	\$ 792.00
	Remove and install four new bearings	\$ 396.00
	Dip and bake both windings	\$ 2,320.00
	Assemble both motors, add oil	\$ 1,584.00
	Test run and paint both motors	\$ 396.00
	MATERIAL	
8	Gallons ISO 32 turbine oil	\$ 160.00
2	Upper thrust bearings	\$ 2,324.00
2	Lower guide bearings	\$ 424.00
1	Lot enamel	\$ 240.00
	Quote valid for 30 days	
	Material	\$ 23,778.00
	Sales Tax 9.00%	\$ 2,140.02
	Labor	\$ 55,590.00
	Total	\$ 81,508.02

MEMORANDUM

Date: August 1, 2018
To: Board of Directors
From: Paul Siebensohn, Director of Field Operations
Subject: Consider Authorize District General Manager to Approve a Contractor to Install Recycled Water Line from Murieta Gardens II - Sobon Lane to Murieta Drive, Water Supply Augmentation Project 17-5-11, CIP 18-11-1 Commercial Loop Conversion

RECOMMENDED ACTION

Approve District staff to approve a contractor to install a recycled water line from the Murieta Gardens II development at Sobon Lane to Cantova Lift station site in an amount not to exceed \$100,000. Funding to come from Water Augmentation Reserves under Water Supply Augmentation project 17-5-11, CIP 18-11-1 Commercial Loop Conversion.

BACKGROUND

As part of the District's Preliminary Design Report to lay out what is needed for recycled water use and disposal, landscaping around the Operating Engineers (OE3) and Teamsters were cited as places of use for recycled water. With construction proceeding at Murieta Gardens II, it is an opportune time to complete the required recycled water infrastructure that is needed as a backbone to supply this commercial area around Operating Engineers and Teamsters Training Facilities at a point of tie-in by the Cantova sewer lift station.

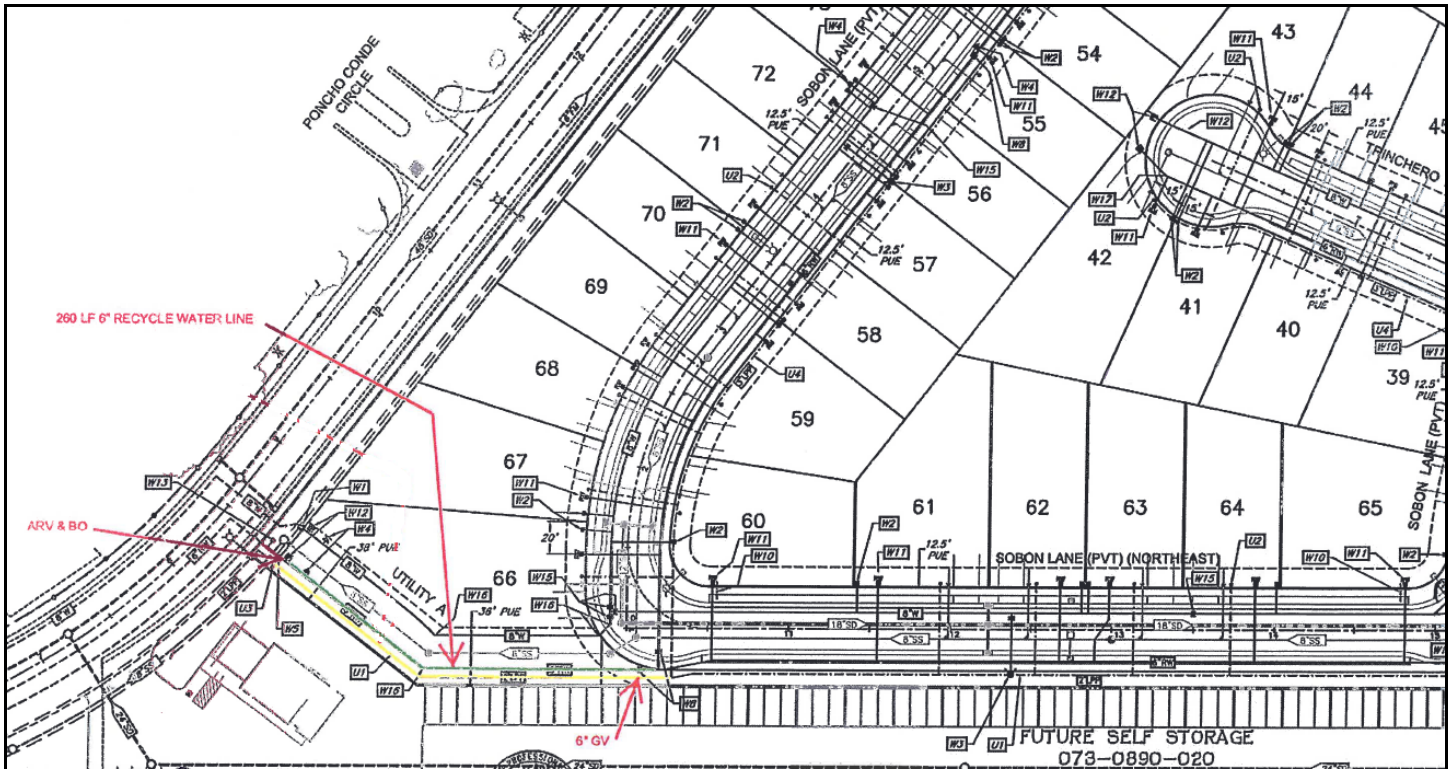
Although the developer has provided a cost for having their contractor install this pipeline, because this pipeline only serves the needs of the District to serve already existing development, our attorney noted that we may not enter into a reimbursement agreement with the developer for this due to public agency contracting laws.

We are seeking approval for this now to be able to proceed in a timely manner to be able to fit in this installation in bare ground before any overtopping infrastructure or obstructions are be installed by the developer's other construction that would increase the cost of an installation. In the meantime, we will be proceeding with requesting prevailing wage bids for this installation, and as an alternate bid to connect across Murieta Drive to the Cantova site, as well as an appropriate timeline from developers for a District approved contractor to conduct the install.

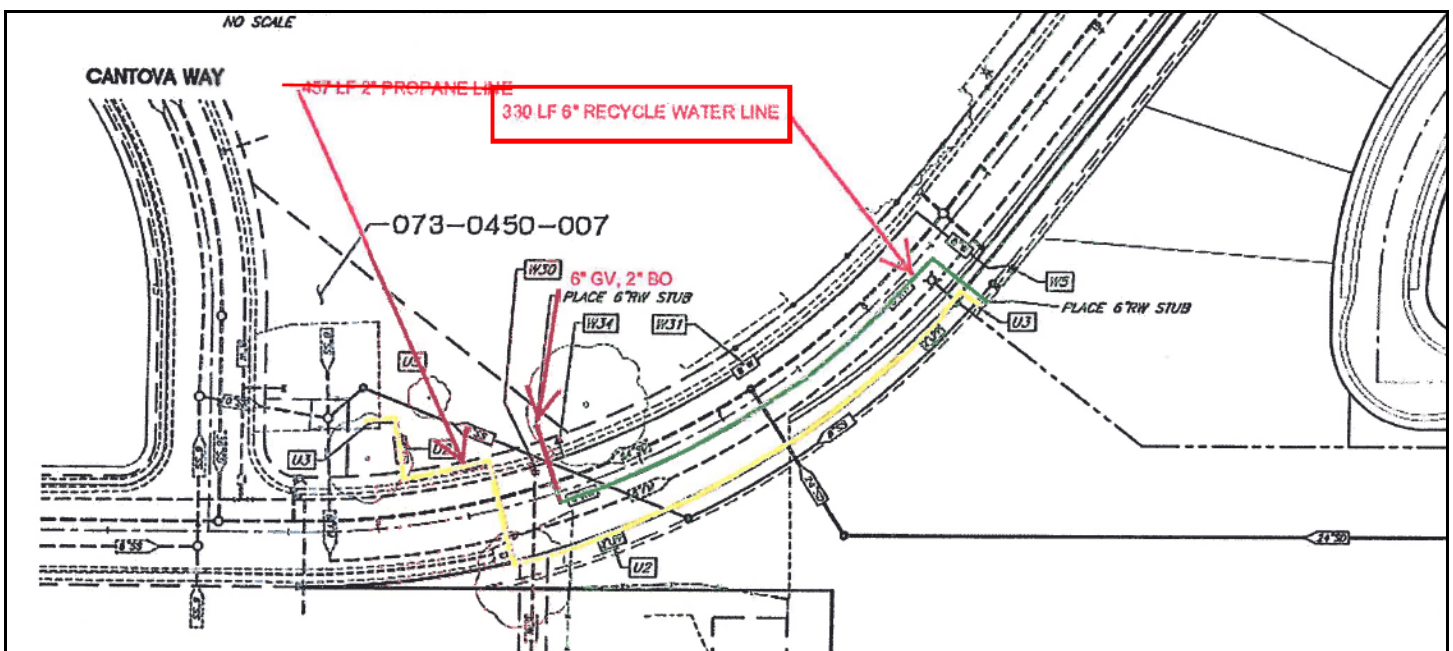
We are seeking an amount of approval not to exceed \$100,000 as an amount rounded up by \$300 from what the developer has given us as an estimate for reimbursement for a full-project installation. An estimate of the construction cost from the developer is attached, and it is not at prevailing wage. Depending on cost, we may not proceed with the section of pipeline going across Murieta Drive to the Cantova lift station as it could be a very long time before recycled water would be available to that commercial site, and therefore are requesting that the portion across Murieta Drive be separated out in the bids requested from contractors.

Site Plans shown below for reference.

Recycled water line from Murieta Gardens II Sobon Lane to edge of pavement at Murieta Drive.



Recycled water line continuation from Murieta Drive to the Cantova Lift station (alternate bid item):



BAKER-WILLIAMS ENGINEERING GROUP
 6020 Rutland Drive Suite 19
 Carmichael, Ca 95628
 (916)-331-4336 Fax (916)-331-4430

July 6, 2018

DRAFT

John M. Sullivan
 Cosumnes River Land, LLC
 P.O. Box 1230
 Rancho Murieta, CA 95683

Subject: Murieta Gardens- Additional Recycle Water Facilities Cost Estimate
 Recycle Water Line to Cantova OE3 Parcel
 Our File No. 11-01-001

Dear John
 The following is the estimated cost to construct future Recycled Water Line to Cantova OE3 Parcel.
 The cost include a 15% contingency and a 15% engineering, permitting, and staking soft cost.

A RECYCLE WATER LINE TO CANTOVA OE3 PARCEL PER INFRASTRUCTURE				
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1	6" Recycled Water line	330 LF	\$126.50	\$41,745.00
2	6" Gate Valve	1 EA	\$2,050.00	\$2,050.00
3	Recycled Water Blow Off Valve	1 EA	\$1,500.00	\$1,500.00
4	Patch and Pave Trench	1,100 SF	\$9.75	\$10,725.00
			SUB TOTAL A	\$56,020.00
B RECYCLE WATER LINE FROM SOBON LANE TO MURIETA DRIVE PER MURIETA GARDENS II				
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1	6" Recycled Water line	260 LF	\$41.50	\$10,790.00
2	6" Gate Valve	1 EA	\$1,980.00	\$1,980.00
3	Recycled Water Blow Off Valve	1 EA	\$3,310.00	\$3,310.00
4	1" Recycle Water Air Valve	1 EA	\$4,800.00	\$4,800.00
			SUB TOTAL B	\$20,880.00
			SUB TOTAL A & B	\$76,900.00
			Engineering, Permitting, and Staking Soft Costs at 15%	\$11,535.00
			Contingencies at 15%	\$11,535.00
			TOTAL ITEM A & B	\$99,970.00

Note:

- 1 This estimate is based on plans not yet constructed subject to change from field condition.
- 2 The unit prices shown are based on the contractor bids and from engineering opinion of cost

If you have any questions of need additional information, please call.

BAKER-WILLIAMS ENGINEERING GROUP

Michael Robertson