



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

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

IMPROVEMENTS COMMITTEE

(Directors Les Clark and Randy Jenco)

Regular Meeting

May 5, 2020 at 8:00 a.m.

This meeting will be held via ZOOM video conference only pursuant to Gov. Newsom Executive Order N-29-20. You can join the conference by (1) logging on to <https://us02web.zoom.us/j/86136446337>, entering Meeting ID no. 861-3644-6337, and using the audio on your computer, or (2) dialing into 1-669-900-9128 and entering the meeting code 861-3644-6337. 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. **Comments from the Public**
3. **Review Monthly Updates**
 -  Development
 -  District Projects
4. **Discuss Murieta Marketplace Acceptance**
5. **Fiscal Year 2020-21 CIP/CRP Review**
6. **RMA Wooden Pedestrian Bridge Parcel Conveyance Update**
7. **Groundwater Sustainability Agency SCGA/SRCD Update**
8. **Residences East and 670 FSA Update**
9. **Director and Staff Comments/Suggestions [no action]**
10. **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 and Executive Order No. N-29-20, 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.

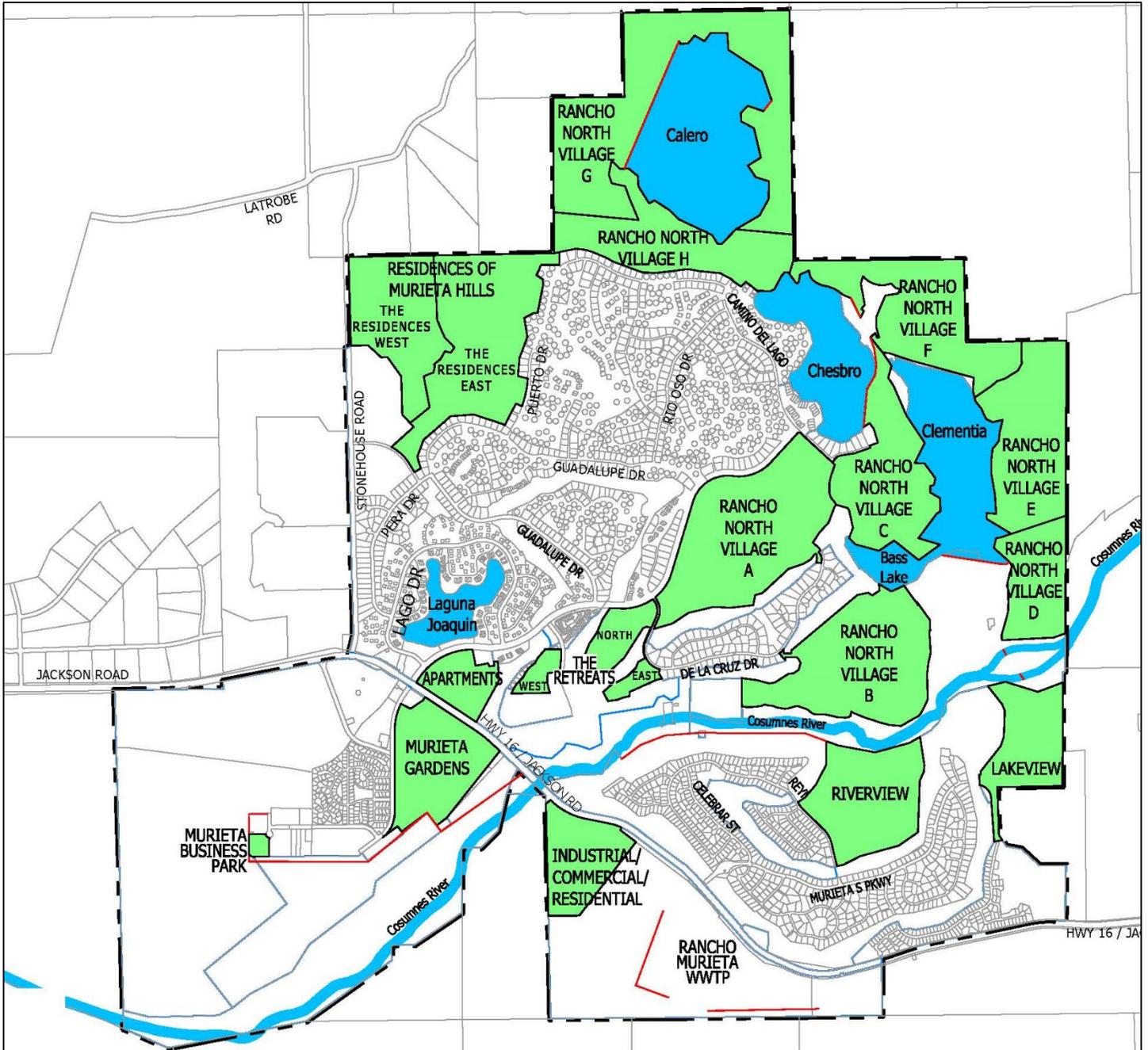
Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is May 1, 2020. Posting locations are: 1) District Office; 2) Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: April 30, 2020
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Monthly Development, Project & other Updates

Development

Coastland Engineering provided this map below to assist is showing where current development projects are occurring or may occur.

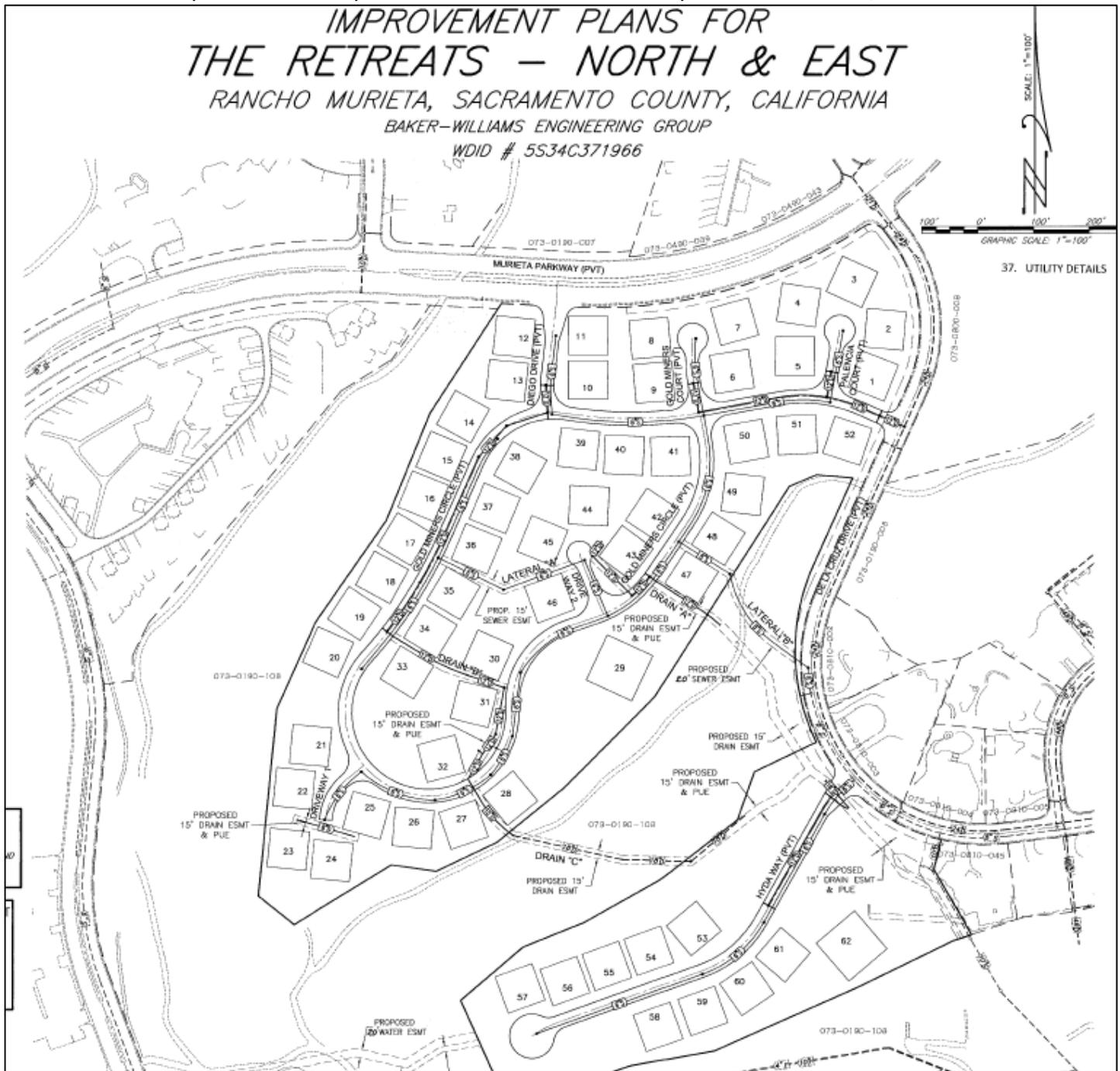


In addition to updating general activities for the development projects, I have included general project descriptions taken from the conditions of approvals for each project as well as from my knowledge of current information. Projects change repeatedly, so what is shown is what I know as of the date of this memo.

The Retreats East and North

No new update on activities. This project is on hold.

Project description: This planned development is for medium to low density residential homes. The applicant is The Retreats LLC, with John Sullivan the manager, and the engineer is Baker-Williams Engineering Group. Per the last submitted plans the North portion had 52 lots and the East portion had 10 lots, shown below.

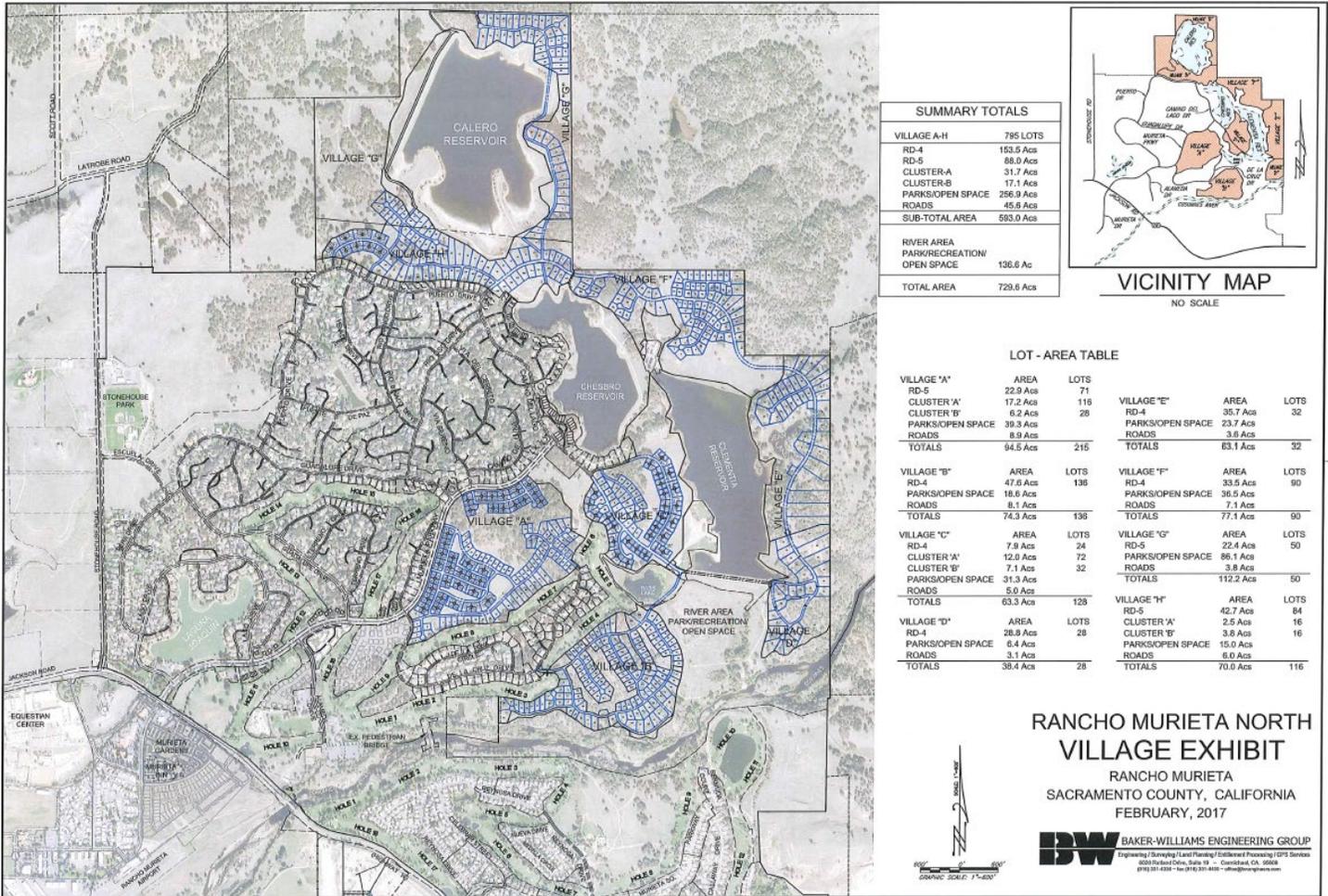


Sacramento County Planning link: *none found*

Rancho Murieta North – Development Project

No new update. This project is still listed as pending with Sacramento County and on hold with the District.

Project description: The applicant is Rancho Murieta Properties LLC, with John Sullivan the manager, and the engineer is Baker-Williams Engineering Group. The properties are located on approximately 772.2 acres in the north portion of the community. The project currently consists of 827 single-family residential lots of medium to low density residential homes within 297.1 acres, with each project subdivided into various villages as generally shown in 2017 exhibit below, 435.3 acres of open space, and 39.8 acres of commercial.



Sacramento County Planning link:

<https://planningdocuments.saccounty.net/projectdetails.aspx?projectID=1792&communityID=4>

Murieta Gardens

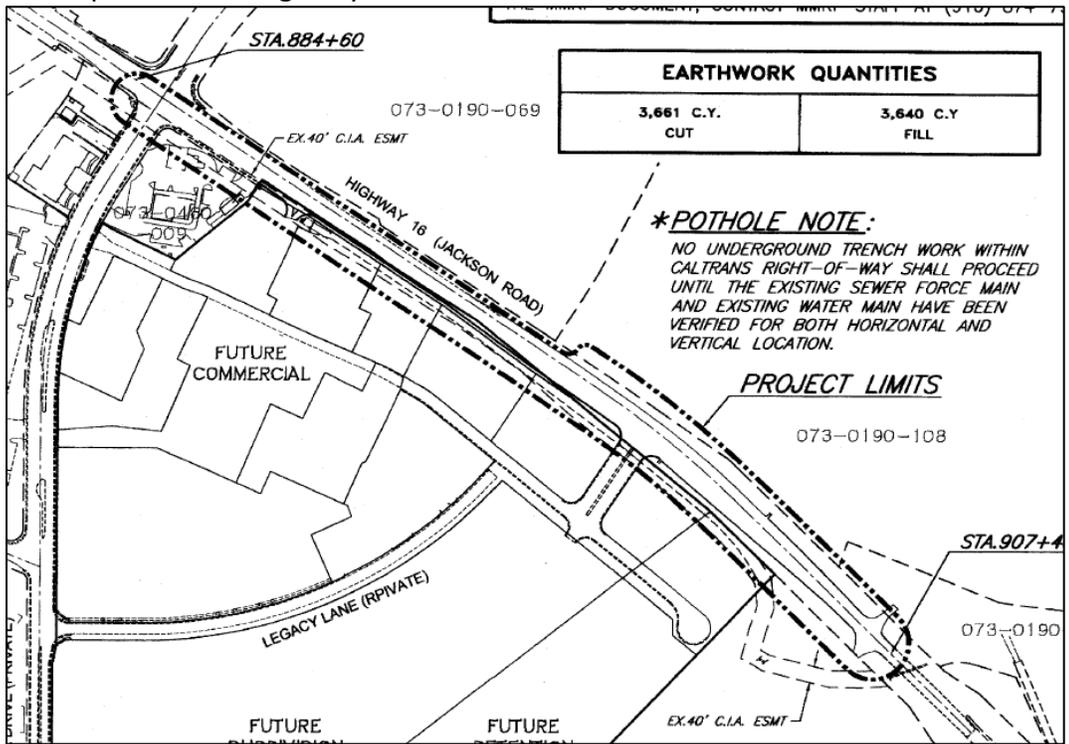
This project started out being submitted and approved as one project. Since original approval, the developer has split the project multiple times into multiple projects. The active ones are listed below.

The Murieta Gardens – Highway 16 Off-Site Improvements

No new update.

Project description:

The applicant is Cosumnes River Land, LLC, with John Sullivan the contact, and Baker-Williams Engineering Group the engineer. This project is to pipe the Cosumnes Irrigation Association ditch in a 42 inch pipe, create new drainage along Highway 16, and to improve Highway 16 with an ingress and egress from the Murieta Gardens development onto Highway 16 on Lot 13.



MG - Lot 4&5

Work requiring District oversight was a review of the irrigation installations at lot 5 to comply with the District's recycled water standard specifications.

Project description:

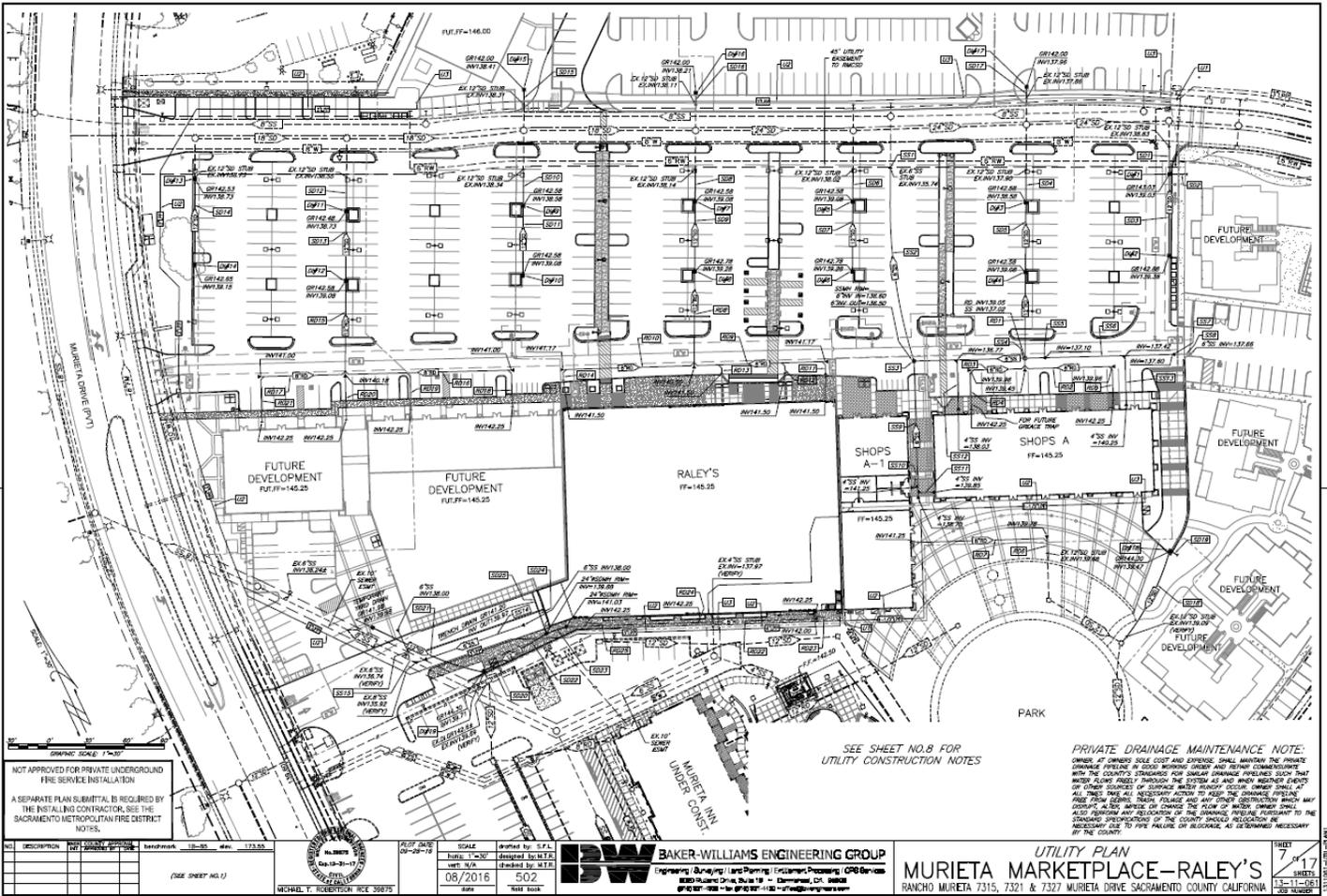
The applicant is Cosumnes River Land, LLC, with John Sullivan the contact, and Baker-Williams Engineering Group the engineer. The project is to develop multiple commercial structures on two lots and a drive aisle into the marketplace. Lot 5 is noted to have a Starbucks as a future tenant.

MG - Murieta Marketplace

The project requested a issuance of a punchlist to complete any items left before final acceptance. Coastland has provided a final punchlist. Items left to be completed mainly are within the drainage detention basin and access to it, the sewer interceptor behind the Bel Air, and cleanup of various areas.

Project Description:

The applicant is Cosumnes River Land, LLC, with John Sullivan the contact, and Baker-Williams Engineering Group the engineer. The project is to develop multiple commercial structures with Murieta Gardens Lots 1, 2, 3, 6, & 9 and the Murieta Gardens drainage basin. Lots 4 & 5 were originally within this project but requested to separated out by Mr. Sullivan.



NOT APPROVED FOR PRIVATE UNDERGROUND FIRE SERVICE INSTALLATION
 A SEPARATE PLAN SUBMITTAL IS REQUIRED BY THE INSTALLING CONTRACTOR, SEE THE SACRAMENTO METROPLAN FIRE DISTRICT NOTES.

| NO. | DESCRIPTION | DATE | DESIGNED BY | CHECKED BY |
|-----|-------------|------|-------------|------------|
| | | | | |

PROJECT NO. 08-20-18
 SCALE 1"=30'
 DATE 08/2016
 SHEET 502

APPROVED BY: S.P.A.
 DESIGNED BY: M.T.P.
 CHECKED BY: M.T.P.
 DATE 08/2016
 SHEET 502

Baker-Williams Engineering Group
 Engineering, Surveying, and Planning | Estimating, Processing, GIS Services
 1880 Placer Drive, Suite 19 • Sacramento, CA 95834
 916.421.1000 • www.bakerwilliams.com

UTILITY PLAN
MURIETA MARKETPLACE-RALEY'S
 RANCHO MURIETA 7315, 7321 & 7327 MURIETA DRIVE SACRAMENTO COUNTY CALIFORNIA

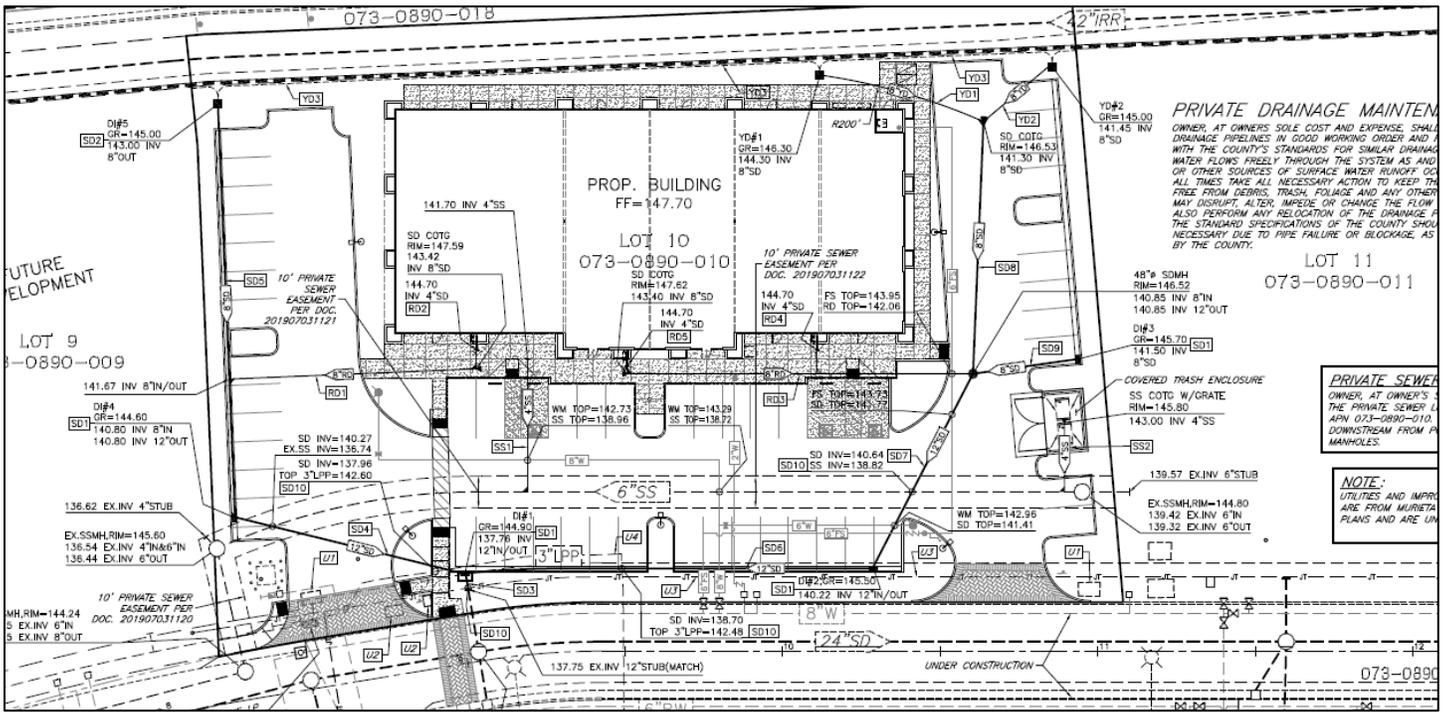
SEE SHEET NO.8 FOR UTILITY CONSTRUCTION NOTES
 PRIVATE DRAINAGE MAINTENANCE NOTE:
 OWNER AT OWNERS SOLE COST AND EXPENSE SHALL MAINTAIN THE PRIVATE DRAINAGE PIPELINE IN GOOD WORKING ORDER AND REPAIR COMMENSURATE WITH THE COUNTY'S STANDARDS FOR DRAINAGE PIPELINES SUCH THAT WATER FLOWS FREELY THROUGH THE SYSTEM AS AND WHEN WEATHER EVENTS OR OTHER SOURCES OF SURFACE WATER OCCUR. OWNER SHALL AT ALL TIMES TAKE ALL NECESSARY ACTION TO KEEP THE DRAINAGE PIPELINE FREE FROM DEBRIS, TRASH, FOLIAGE AND ANY OTHER OBSTRUCTION WHICH MAY OBSTRUCT & OR BECOME A HAZARD TO THE PUBLIC. OWNER SHALL ALSO PERFORM ANY REVISIONS OR THE DRAINAGE PIPELINE PURSUANT TO THE TECHNICAL SPECIFICATIONS OF THE COUNTY SHOULD REVISIONS BE NECESSARY DUE TO PIPE FAILURE OR BLOCKAGE AS DETERMINED NECESSARY BY THE COUNTY.

MG -Lot 10 (PDF Office)

A final set of plans are available, with signatures pending fees being paid to the District.

Project description:

The applicant is Paul Frank for PDF Murieta Marketplace LLC, with Baker-Williams Engineering Group the engineer. The project is to build a business structure within the lot.

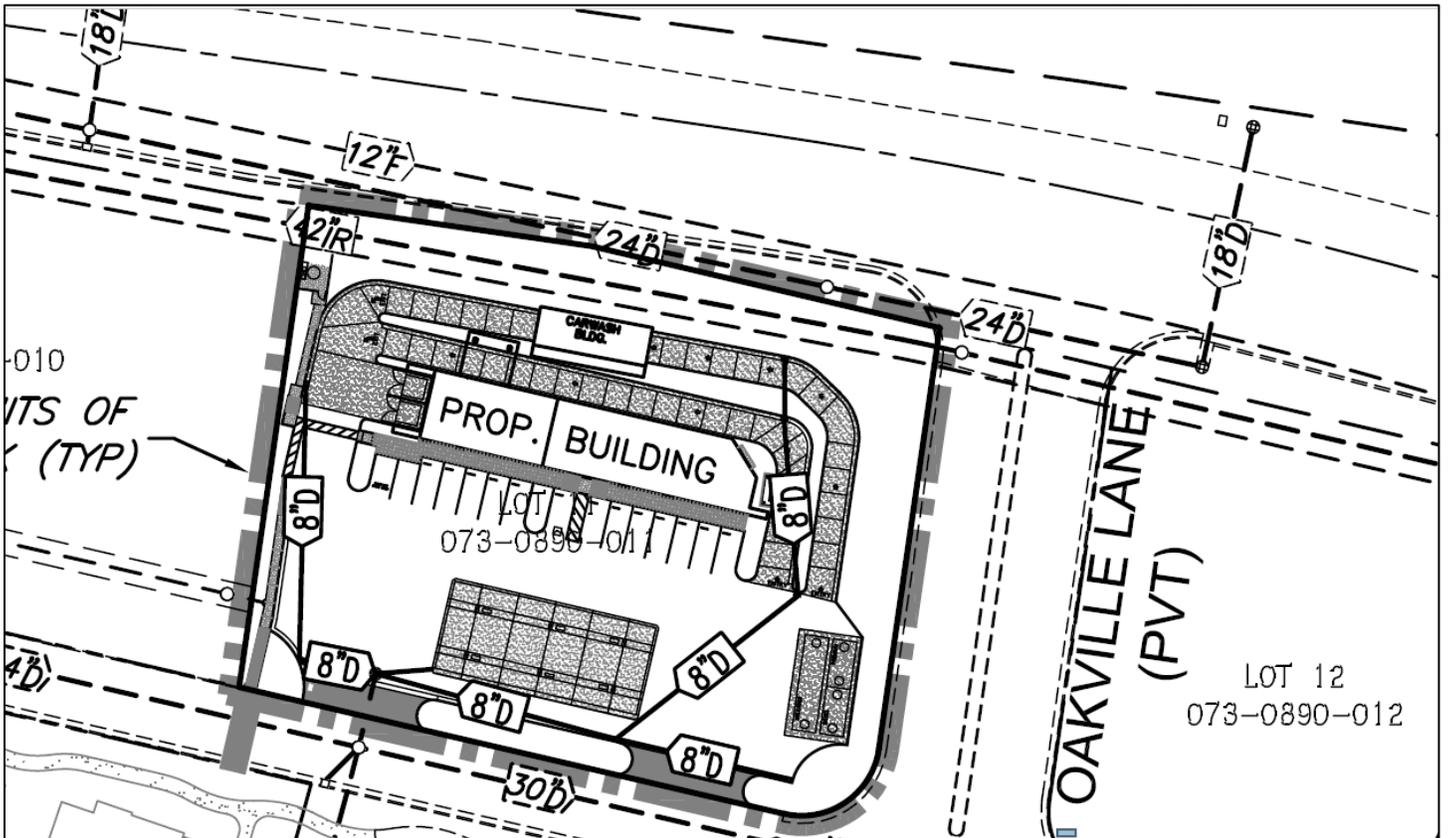


MG – Lot 11 (Gas Station/carwash)

Coastland provided submittal plan check comments back to the project but has yet to hear back.

Project description:

The applicant is Bhupinder Sandhu with Baker-Williams Engineering Group the engineer. This project is to develop a gas station/minimart and carwash on the east side of Oakville Lane off of Highway 16.

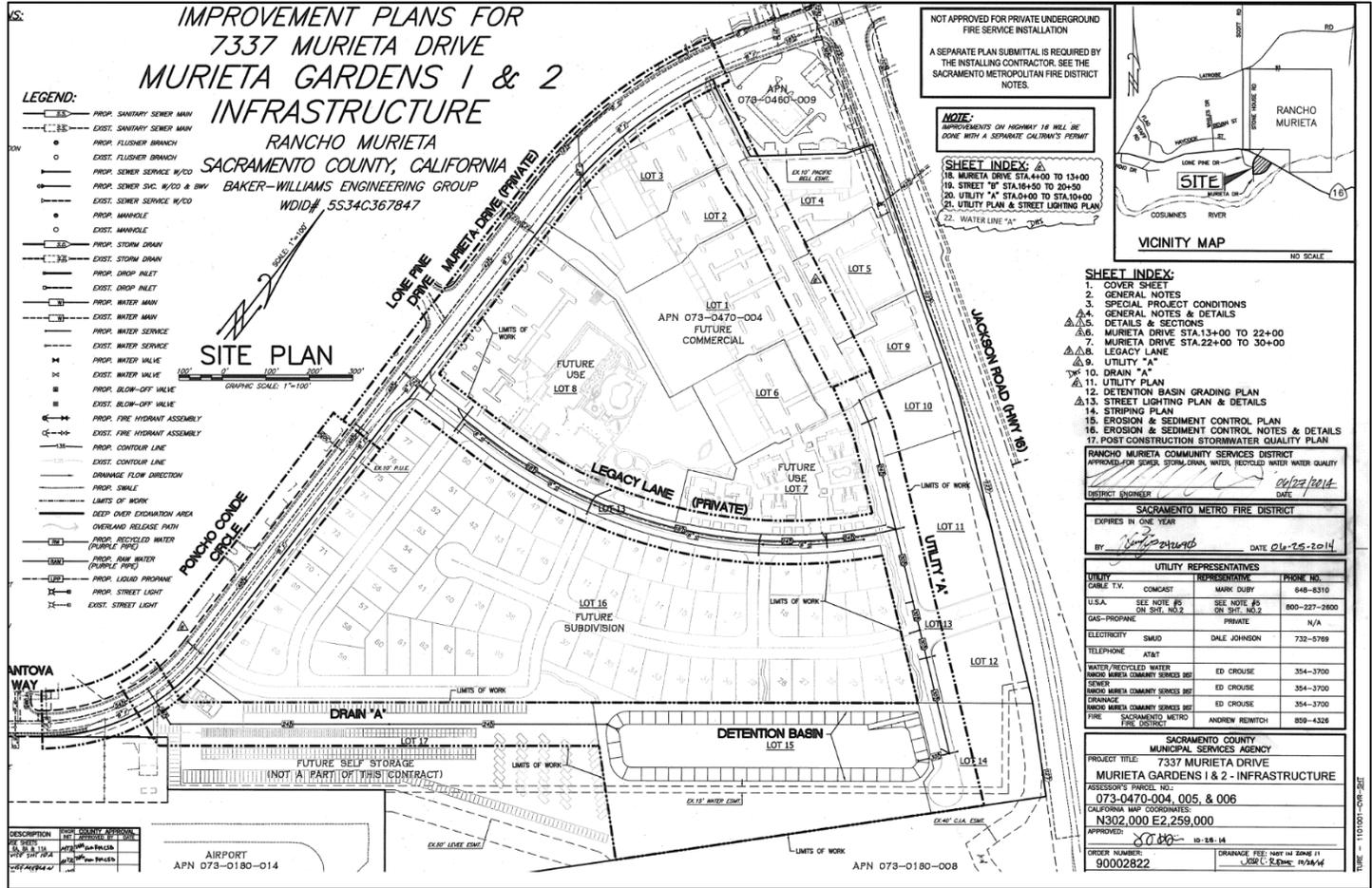


The Murieta Gardens I & II – Infrastructure

The developers engineer has requested acceptance of items to be maintained in the future by the District, noting that the only area left to for completion is the eastern end of the drive aisle cul-de-sac at lot 14. Coastland responded with a letter of items that would be needed before final acceptance.

Project description:

This portion of the project is for the installation of a stormdrain from the drainage basin to Murieta Drive, Murieta Drive water and stormdrain tie-ins, sewer tie-in at t the north end of Murieta Drive, Legacy Lane storm drain, a portion of sewer on Legacy lane, addition of the 6 inch recycled water line extension, temporary 8 inch water tie-in and backflow to recycled water infrastructure, and water, sewer, recycled water, and drainage main lines in areas marked out as “Utility A” of various plan sets.



The Murieta Gardens II Improvement Plans (aka 78 lots infrastructure)

This project has been accepted by the District.

Project description:

Installation of water, sewer, recycled water, and drainage infrastructure, for this project to serve the 78 home lots there.

WDID# 5S34C380191

CANTOVA WAY

CANTOVA WAY

EX.30' ESMT PER 880429 OR 2325

073-0480-009
EXISTING PUMP
STATION SITE

073-0480-012
VACANT

EX.35' STORM
DISCHARGE ESMT
PER 890207 OR 2379

EX.12.5' PUE
PER 121 PM 6

EX.SD.MH RIM=136.72±
INV. EX.18" IN=128.72±
HGL=135.72 (1' BELOW RIM)

EX. 18" DRAIN PIPE SHGL=0.00046

EX.SD.MH RIM=139.02±
HGL=135.76

EX.12.5' PUE
PER 121 PM 6

073-0180-027
AGRICULTURAL USE

EX.5' SMUD ESMT
PER 900508 OR 1602

BLDG 1

BLDG 3

BLDG 2

073-0480-019
EXIST. OFFICE BUILDING

EX.30' UTILITY ESMT
PER 890208 OR 992

EX.30' ESMT PER
880429 OR 2325

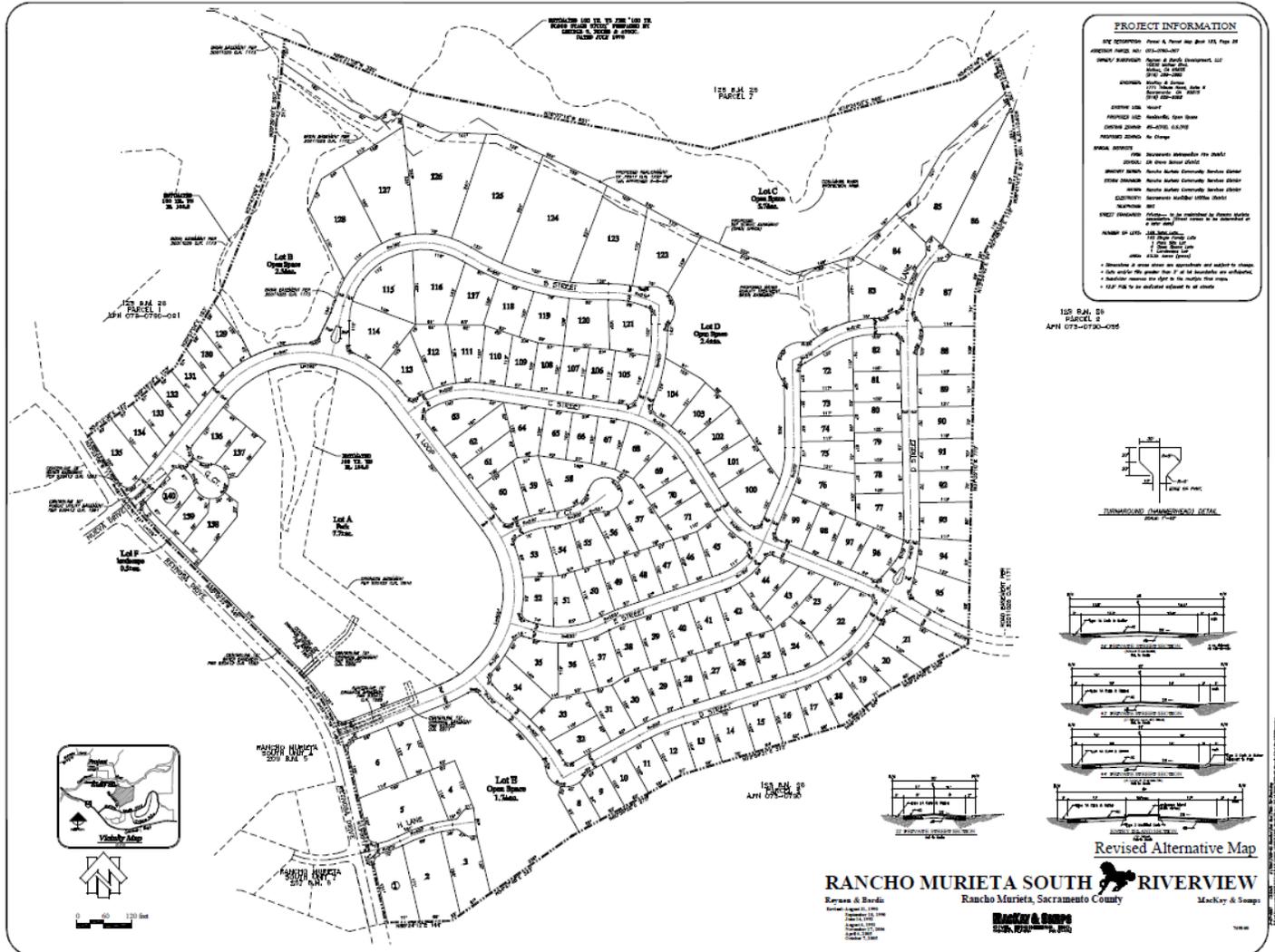
073-0180-014
SELF STORAGE PARKING

SCALE: 1"=50'

SITE PLAN

Riverview

The project is continuing work on completing their phase 2 final map, which will include the first 30 residential lots.



Project description:

This a planned development of 140 residential lots on 57.35 acres located in the south community. The applicant is RB Riverview LLC, with Les Hock the manager, and Mackay & Soms Civil Engineers Inc. the engineering firm.

Sacramento County planning link:

<https://planningdocuments.saccounty.net/projectdetails.aspx?projectID=6657&communityID=4> & <https://planningdocuments.saccounty.net/projectdetails.aspx?projectID=4199&communityID=4>

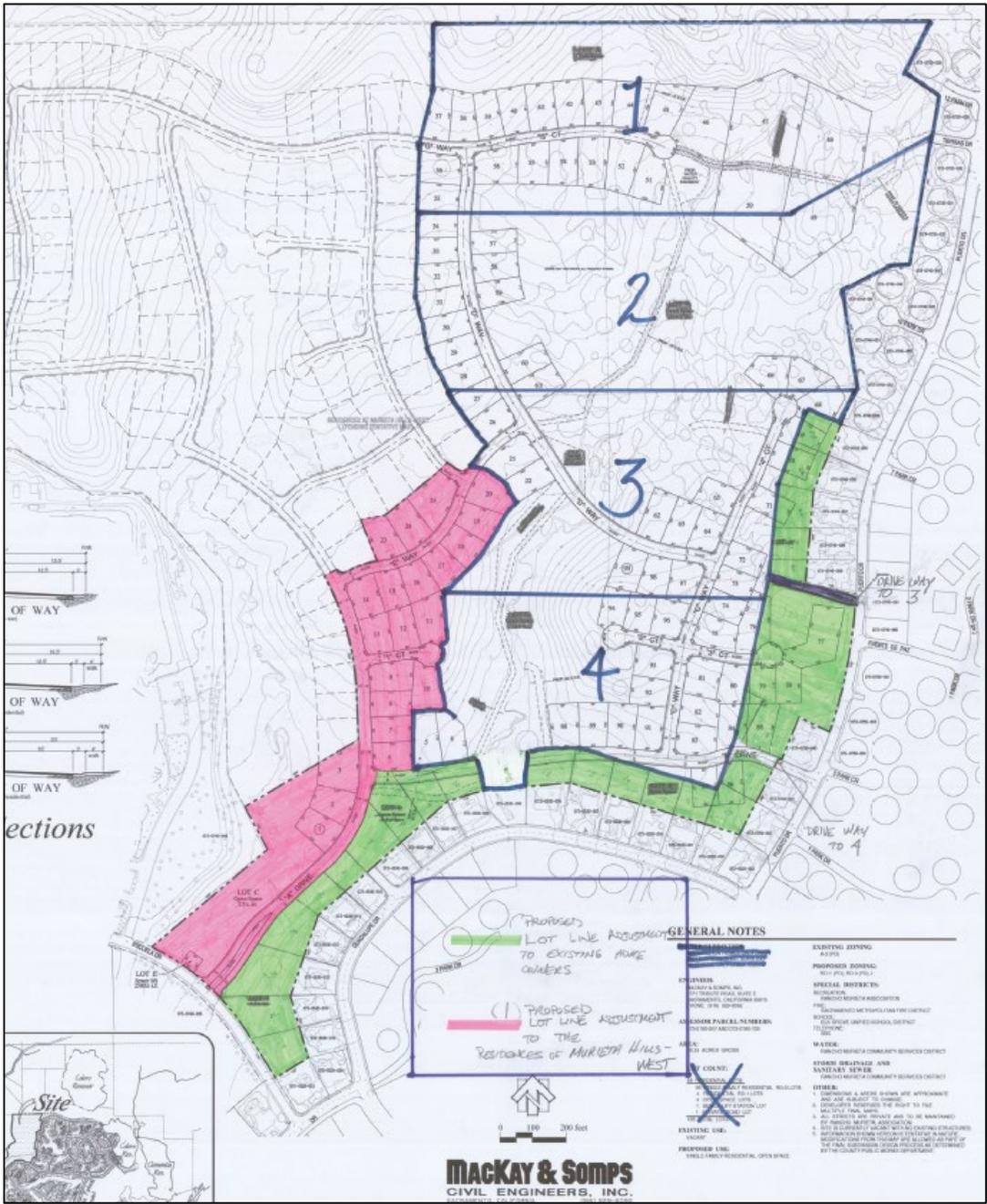
The Residences of Murieta Hills East

NOTE: No developer deposit has been submitted to the District to make this project active with the District.

District staff continue to work with District legal counsel and EPS to discern the financial obligations of 670 Financial Services Agreement (FSA) properties for the water treatment plant expansion and Van Vleck recycled water easement.

Project description:

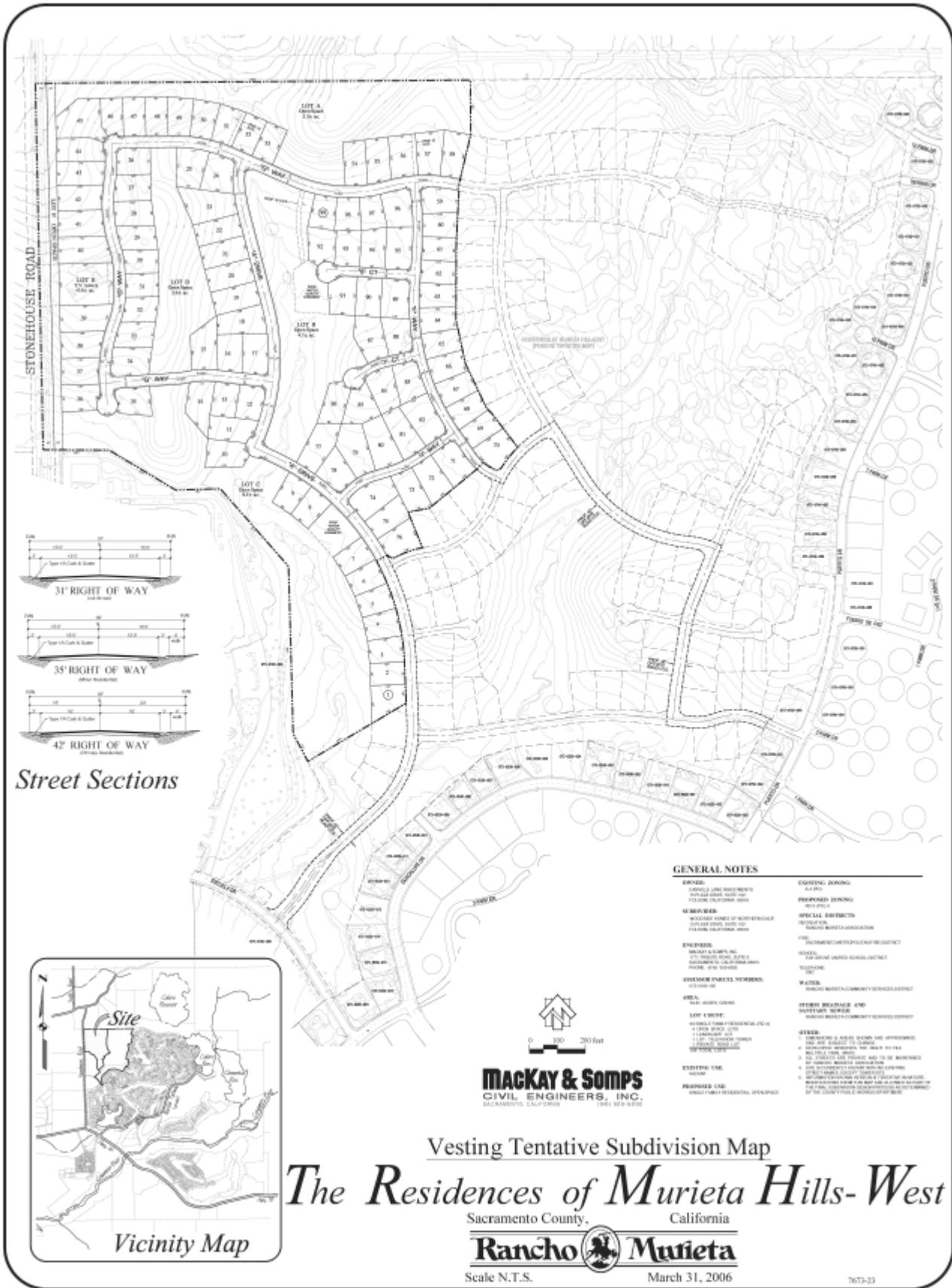
This was a planned development for 99 residential lots. The applicant is MRK Development Inc., with Bob Keil the manager. The site plan engineer was MacKay & Soms Civil Engineers Inc.. The properties are located on approximately 86.2 acres in the north portion of the community. The project revision proposed by Bob Keil is to reduce the lots to 4 as shown below.



Sacramento County planning link:
<https://planningdocuments.saccounty.net/projectdetails.aspx?projectID=6560&communityID=4>

Residences of Murieta Hills West

This project is not active with the District and the tentative maps may have expired.



Project description:

This was a planned development for 99 single family residential lots, four open space lots, and one television tower lot. The applicant is BBC Murieta Land LLC.. The site plan engineer was MacKay & Somps Civil Engineers Inc..

Sacramento County planning link:

<https://planningdocuments.saccounty.net/projectdetails.aspx?projectID=4163&communityID=4>

District Projects

Water Plant #1 Effluent Pump replacements

The three new effluent pumps for Plant #1's clear well have arrived. The contractor has been busy this week finishing up the installations and testing of the pumps. Photo of work being done shown on right.



Water Rights Renewal

No update.

Recycled Water and Untreated Water Fee Study

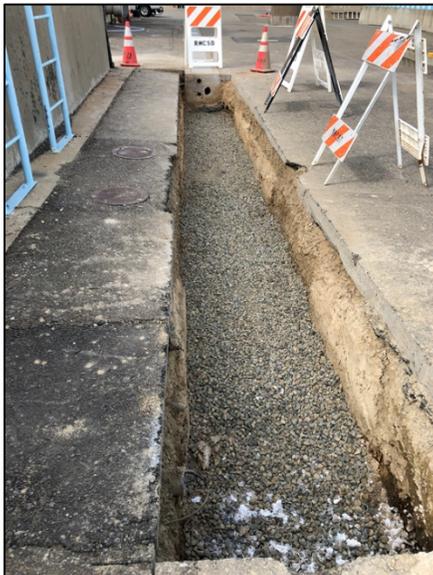
This item is being presented at the Finance Committee.

Chlorine Gas to Sodium Hypochlorite (bleach) conversion

Staff has painted the chemical feed room and set the chemical feed pump skids in place. Control and power wiring is needed, with staff soliciting costs for services to do so. They completed a tap of a water line and installation of a backflow and valving for filling the chemical feed tanks with dilution water. They have prepared the chemical feed trenches for the installation of the trench boxes, with some additional concrete sawing left to do before installations.



Chemical feed skids placed in chemical feed room of Wastewater Reclamation plant



Chemical trench and trench boxes being readied for installation



Beginning work of Epoxy painting of chemical tank area



Installation of a water fill line for dilution of new chemical tanks

West DAF Electrical Panel Replacement

Contract documentation has been completed with a Notice to Proceed issued the day following the last Board meeting. TELSTAR has begun work for the new panel and will be onsite this Friday to verify information for their drawings and their planning.

Dam Inundation Mapping and Emergency Action Plans

I have submitted my edits of the Emergency Actions Plan drafts back to Dominichelli & Associates and have provided an initial draft of the Emergency Action Plans (EAPs) needed for our Chesbro, Calero, Clementia, and Michigan Bar dams. They are currently under review and being updated with pertinent District information. Once completed, they will be submitted to the Office of Emergency Services for their review and possible acceptance.

Other items of note

Murieta Equestrian Center (MEC) concession services

District staff and I were contacted via phone by an individual who was looking to rent a commissary and coffee trailer at the Murieta Equestrian Center and whether the District would be ok with their waste operation as the County was in the process of permitting of them. We were then contacted by Sacramento County

Environmental Management Department regarding whether the District was ok with a food service trailer and a commissary discharging into the sewer system. I responded that I was unaware that either of these existed and that I would need more information. I had staff that was out at the Equestrian Center drive around to see if they could send me pictures of the what was being discussed. Staff sent me pictures of two food service trailers. The individual followed up with an email of her explanation of how these businesses would be handling their waste, without noting where the coffee trailer discharged to. At that point I wanted further clarification and was concerned there may be sewer discharging occurring that the District does not have a record of. I responded by sending the email below to the Murieta Equestrian Center and their known representatives.

“Apparently there is a food/drink service trailer located on the eastern end of the Equestrian Center that periodically discharges into the sewer system and reportedly been there for quite some. How long has this been occurring and are there other food service trailers, permanent RV connections or dump sites we need to be aware of?”

Having a single point of tie-in to the District's system does not permit subsequent tie-ins without prior approval of the District. Any additional sewer tie-ins are considered extensions and require a Extension Permit. See District Sewer Code section 4.01

SECTION 4.00 District Construction Requirements

(Amended by Ordinance 85-5)

4.01 Permit Required

No person other than persons specifically excluded by this Code shall construct, extend, or connect to any portion of the District's collection system without first obtaining a sewer permit from the District, paying all applicable fees as set forth in this Chapter and complying with the District Code and other applicable requirements. *(Amended by Ordinance 85-5)*

Also, there is concern with food/beverage services, needing interceptors that are properly maintained, and the possibility of creating downstream impacts due to high or low pH, solids, etc. See sewer code section 8.03.

Please respond within five (5) business days of receipt of this email with a description of this service and any others within the Equestrian Center that discharge into the sewer system. We may need to evaluate if an extension agreement is needed to correct any possible oversight.

A copy of our Sewer Code may be found on our website here:

<https://www.ranchomurieta.com/files/af5c7150f/Chap+15+sewer+amended+08-2019.pdf> “

John Sullivan responded: “Your interference with sac county environmental health is unwarranted in regards to this matter. The commissary that has been continuously permitted does not affect CSD. Our understanding is you have contacted them without talking to us. Please refrain from interfering with our vendors, tenants and concessionaires without giving us prior notice per the Districts sewer code 3.05 (b), if you believe you need to discuss this with us.”

Further to this, I inquired with District staff and other community staff that has worked here a long time as to whether they were aware the commissary and/or coffee trailer existed, and no one was. I reviewed the escrow file where the District keeps records on such items, and there is no mention of them either.

I then responded to John and other MEC representatives, and attached previous emails from the County and tenant, noting that it was the tenant and Sacramento that brought the services there to our attention and we

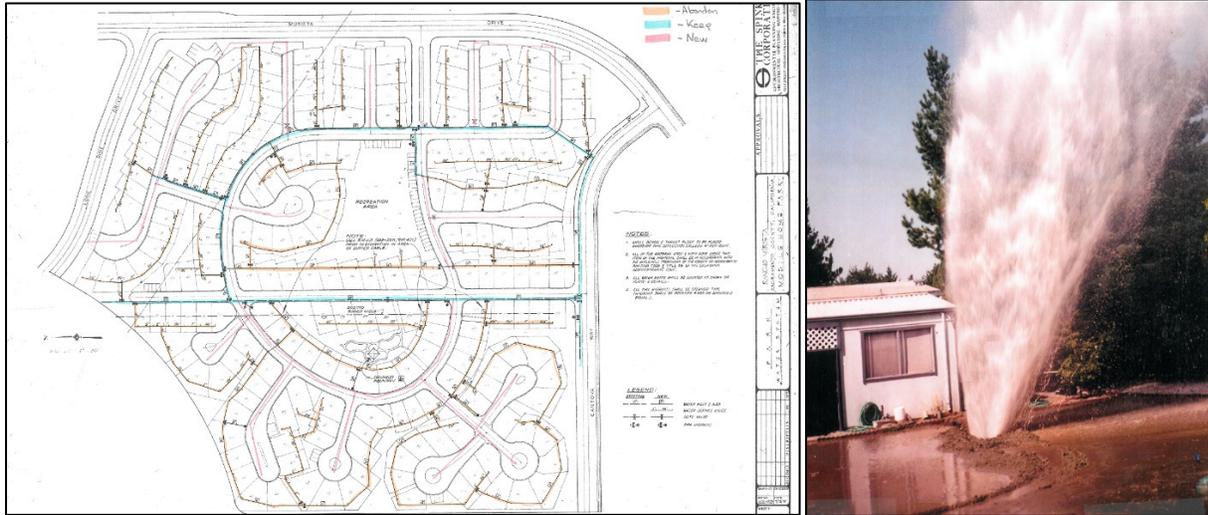
do not want to interfere with the business of the Equestrian Center. We were not aware of a commissary operating there and I mistakenly thought Lauren was referring to one of the food trailers onsite. I further asked that they respond to my questions posed in the previous email regarding our concerns with potential additional sewer discharges. *“Does the Equestrian Center have additional sewer discharges the District is not aware of? There are two portable food trailers as well as this commissary that is mentioned. Where do the concessions and the commissary discharge their containment solution/materials to? The concessions and commissary should have an interceptor on them, per our code, to trap solids and grease to be pumped out by a septic hauler or to be collected into an appropriate bin. ... Please provide a letter of description of their services related to water and sewer, how solution/materials are properly disposed of in accordance with our Sewer Code, so we may keep a record of its existence in our escrow file for the MEC. We would then add it/them to our list for periodic facility inspections related to sewer discharges as part of our sanitary sewer management program with the state.”*

I bring this to the Improvements Committee’s attention as this is a concern as it is akin to when the Equestrian Center installed multiple RV hookups years ago without District consent under Mr. Sullivan’s direction, around 2008, which led to a an EDU and fee adjustment to the MEC’s sewer billings.

At this point, I am awaiting coordination of allowing me a site visit to review the sewer connections at the MEC and any records reported to exist regarding inspections of their food services by the County at the MEC.

| Project Number | Project Description | Budget Amount | Funding Source | Status | Bid Date |
|---|---|---------------------|---|------------|----------|
| Water (1) / Sewer Department (2) | | | | | |
| 1 | 18-01-2 Cantova Pump Station Repairs - Generator | \$ 35,000 | Replacement Reserves - Sewer | Approved | |
| 2 | 18-12-1 Rio Oso Booster Pump Replacement | \$ 50,000 | Replacement Reserves - Water | Approved | |
| 3 | 20-01-1 Replace Calero subdrain panels (3 total) | \$ 25,000 | Replacement Reserves - Water | Approved | |
| 4 | 20-02-1 Replace Truck 217 | \$ 25,000 | Replacement Reserves - Water | Approved | |
| 5 | 20-04-1/2 Create Water Right to Capture Stormwater at WWRP | \$ 30,000 | Water Augmentation Reserves | Approved | |
| NEW | | | | | |
| 21-01-1 | Murieta Village Distribution System Replacement | \$ 877,000 | Water Replacement Reserves | proposed | |
| 21-02-1 | WTP Chlorine Gas to Bleach Conversion | \$ 352,940 | Capital Improvement Reserves | proposed | |
| 21-03-1 | Rio Oso Pump Station - Generator | \$ 65,000 | Replacement Reserves - Water | proposed | |
| 21-04-1 | Rio Oso Pump Station - VFD Replacements | \$ 60,000 | Replacement Reserves - Water | proposed | |
| 21-05-1 | WTP Compressor replacements | \$ 25,000 | Replacement Reserves - Water | proposed | |
| 21-06-1 | Water Meter replacements | \$ 60,000 | Replacement Reserves - Water | proposed | |
| 21-07-1 | Granlees Diversion Intake piping | \$ 85,000 | Replacement Reserves - Water | proposed | |
| 21-08-2 | Main Lift North Generator replacement | \$ 125,000 | Replacement Reserves - Sewer | proposed | |
| | new projects total | \$ 1,649,940 | | | |
| Department Subtotal | | \$ 1,814,940 | | | |
| Drainage Department | | | | | |
| 11 | 20-07-2 North Course - Hole 14 Culvert Replacement | \$ 32,000 | Drainage Replacement Reserves | Approved | |
| Department Subtotal | | \$ 32,000 | | | |
| Security Department | | | | | |
| | No CIP item for Security planned for FY 20-21 | \$ - | Capital Improvement Reserves | | |
| Department Subtotal | | \$ - | | | |
| Admin Department | | | | | |
| | No CIP item for Administration planned for FY 20-21 | \$ - | Capital Improvement Reserves | | |
| Department Subtotal | | \$ - | | | |
| 2020-21 Grand Totals | | \$ 1,846,940 | | | |
| Ongoing Projects | | | | | |
| 17-03-1 | Dam Inundation Study | \$ 60,000 | Replacement Reserves - Water | In process | |
| | | \$ 12,580 | Board approved ammendment - Domichelli and Associates | | |
| | | \$ 72,580 | | | |
| 20-05-1 | WTP #1 Effluent pump rehabilitations (3 total) | \$ 60,000 | Water Replacement Reserves | In process | |
| 08-07-1 | Bobcat Compact Track Loader | \$ 65,000 | Replacement Reserves - Water & Sewer | In process | |
| 18-07-2 | WWRP Chlorine Gas to Bleach Conversion | \$ 266,140 | Capital Improvement Reserves | In process | |
| 20-06-1 | Distribution system dry-barrel fire hydrant replacements (10) | \$ 90,000 | Replacement Reserves - Water | In process | |
| Ongoing Projects Total | | \$ 626,300 | | | |
| Other Optional Projects | | | | | |
| TBD | Reservoir Monitoring - Water | \$ 65,000 | Capital Improvement Reserves | On-hold | |
| TBD | Reservoir Monitoring - Sewer | \$ 65,000 | Capital Improvement Reserves | On-hold | |
| 20-03-2 | Repower Sewer Jetter | \$ 25,000 | Replacement Reserves - Sewer | On-hold | |
| Other Optional Projects Total | | \$ 155,000 | | | |

PROJECT TITLE: MURIETA VILLAGE DISTRIBUTION SYSTEM – REPLACEMENT



- CAPITAL PLAN** Water – Replacement Reserves
- CRP #** 21-01-1
- PROJECT BASIS:** Replace aging schedule 40 PVC water infrastructure running under Murieta Village residential units.
- DESCRIPTION:** Route new water distribution system within streets and Murieta Village right of ways that avoid running under the units within the Murieta Village. Provide new piping system for long term viability of water supply to the Murieta village and an increased level of safety for the residents of the Village by abandoning nearly 50 year old PVC water mains that run under residential units. Project aims to avoid potential liability to the District and its rate payers from potential claims should distribution system break under residential units within the Murieta Village.
- ENVIRONMENTAL OR REGULATORY ISSUES:** This project would require a filing of a Notice of Exemption- public right-of-way.
- RISK ASSESSMENT:** High.
- PROJECT BUDGET:** \$877,000
- BASIS OF COST EST:** Estimates for engineering design, bidding, contractor, material, project management, and outreach.

**PROJECT TITLE: WATER TREATMENT PLANT CHLORINE GAS TO BLEACH
CONVERSION - IMPROVEMENT FUND**



Ton cylinders of chlorine gas

| | |
|---------------------------|---|
| CAPITAL PLAN | Water Improvement Reserves |
| CIP # | 21-02-1 |
| PROJECT BASIS: | System Conversion to bleach for water disinfection |
| DESCRIPTION: | Eliminate the use of chlorine gas at the Water Plant for potable water disinfection by converting to using industrial strength sodium hypochlorite (bleach). |
| REGULATORY ISSUES: | Safer product for staff; Substantially less regulatory oversight and required staff training; Mitigates risk to community from transport, storage and use of chlorine gas. Filing of a Management of Change with Sacramento County Environmental Management Department will be required. |
| RISK ASSESSMENT: | Provides a safer alternative for the neighboring community vs the potential of a catastrophic chlorine gas leak and chlorine gas deliveries through community and neighboring roadways. |
| PROJECT BUDGET: | \$352,940 (2017 figure) |
| BASIS OF COST EST: | Cost estimates are from the 2017 Coastland Capital Improvement fee study, based on removal of gas feed system, procurement and installation of chemical feed skids for bleach injection; engineering for design, plans, bid packet, submittal review and as-builts; contractor procurement and placement of tanks, building tank pads, and installing piping and feed equipment appurtenances. https://www.ranchomurietacsd.com/files/c82d2d87d/agenda+11+c+Ord+2017-02+Fee+Study+Report+%28Final+110817%29.pdf |

PROJECT TITLE: RIO OSO PUMP STATION GENERATOR – REPLACEMENT



| | |
|--|---|
| CAPITAL PLAN | Water – Replacement Reserves |
| CRP # | 21-03-1 |
| PROJECT BASIS: | Replace existing 1980 tier 0 generator with a tier 4 diesel or propane generator to comply with California air quality standards as well as to provide reliable back-up power at this critical pump station. |
| DESCRIPTION: | The Rio Oso booster pump station provides continuous pumping of water to meet the water pressure and supply demands of Units 3, 3b, and 4 in the North. The generator and electrical switchgear there allow the station to continue to operate in the event of power outages. |
| ENVIRONMENTAL OR REGULATORY ISSUES: | No issues, simple updating of air quality permit for site. |
| RISK ASSESSMENT: | Medium |
| PROJECT BUDGET: | \$60,000 estimated |
| BASIS OF COST EST: | Budgetary estimate from generator vendor, estimate for electrical services for disconnects and connections. |

PROJECT TITLE: RIO OSO PUMP STATION VFD PANEL – CAPITAL REPLACEMENT



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| CAPITAL PLAN | Water – Replacement Reserves |
| CRP # | 21-04-1 |
| PROJECT BASIS: | Replace 1994 variable frequency drives (VFDs) and appurtenances that modulate power to the booster pumps to maintain water pressure. Replacements would ensure long term reliability at this critical site that cannot experience any failure. |
| DESCRIPTION: | The Rio Oso booster pump station provides continuous pumping of water to meet the water pressure and supply demands of Units 3, 3b, and 4 in the North. The VFDs control the speed of the booster pumps by modulating power to the pump motors through feedback from a pressure gauge and the sites programmable logic controller (PLC). |
| ENVIRONMENTAL OR REGULATORY ISSUES: | No issues, simple updating of air quality permit for site. |
| RISK ASSESSMENT: | Medium |
| PROJECT BUDGET: | \$60,000 estimated |
| BASIS OF COST EST: | Budgetary estimate from generator vendor, estimate for electrical services for disconnects and connections. |

PROJECT TITLE: WATER PLANT COMPRESSORS – CAPITAL REPLACEMENT



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| CAPITAL PLAN | Water – Replacement Reserves |
| CRP # | 21-05-1 |
| PROJECT BASIS: | Replace two compressors that were installed in 2015 as part of the water treatment plant expansion. Since that time the compressors have sustained damage from chemical vapors present within the room in which they reside. A separate room will be created for them to prevent this from happening again. |
| DESCRIPTION: | These compressors supply air to various pneumatic valves and the membranes for integrity testing. |
| ENVIRONMENTAL OR REGULATORY ISSUES: | None |
| RISK ASSESSMENT: | Medium |
| PROJECT BUDGET: | \$25,000 estimated |
| BASIS OF COST EST: | Budgetary estimate from vendors. |

**PROJECT TITLE: WATER METER REPLACEMENTS, COMMERCIAL, UNIT 1 & UNIT 2
 – CAPITAL REPLACEMENT**



Old



New

CAPITAL PLAN

Water – Replacement Reserves

CRP #

21-06-1

PROJECT BASIS:

Replace 275 older water meters with mechanically moving parts, which are at the end of their intended life cycle, with new solid-state electromagnetic water meters.

DESCRIPTION:

Water meters track the water usage which is used for billing at the usage rate and for water accounting. Meters with mechanical parts wear out over time and loose accuracy until complete failures bring them to staff’s attention. Proactively searching out the older mechanical meters based on their serial numbers that are tracked in the billing system, will allow the District to replace these older meters sooner. This will result in a more accurate account of water being used through the new meters and therefore a slight increase in revenue and more accurate water use data for the District showing less water loss. The new meters also have built in data tracking that may be downloaded by staff utilizing existing vendor software, and a 10 year full rated warranty, with another 10 year pro-rated warranty.

ENVIRONMENTAL OR REGULATORY ISSUES:

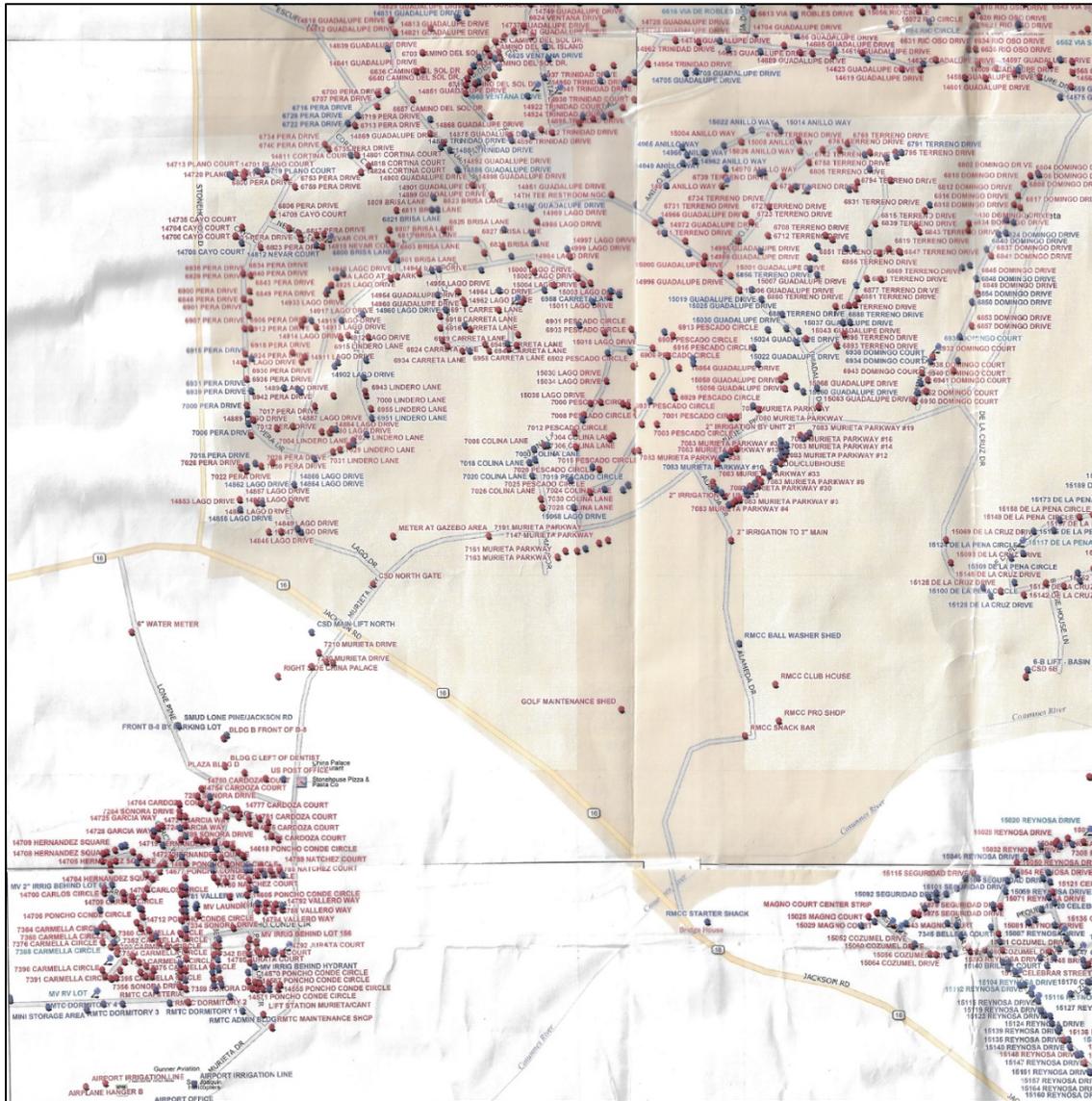
None

RISK ASSESSMENT:

Low

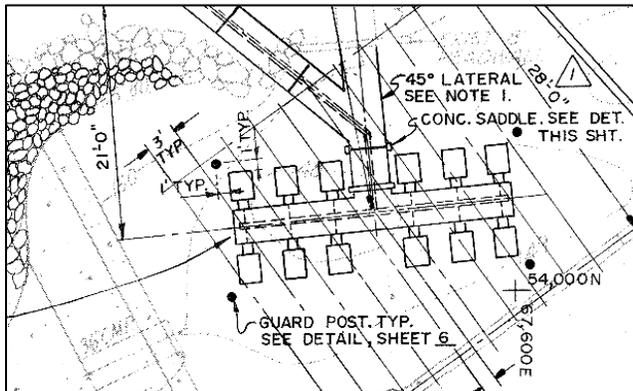
PROJECT BUDGET: \$60,000 estimated

BASIS OF COST EST: Current cost from vendor and meters amounts. Costs do not factor in District staff time, only material costs.



Example of water meter locations throughout District

PROJECT TITLE: GRANLEES DIVERSION INTAKE – CAPITAL REPLACEMENT



CAPITAL PLAN

Water – Replacement Reserves

CRP

21-07-1

PROJECT BASIS:

Replace potentially failing components as a pro-active step towards preventing future failures that could delay the District from diverting river water to our storage reservoirs.

DESCRIPTION:

The intake system is located on the north side of the Cosumnes River. It is used to draw water from the Cosumnes river for the community's potable water storage. For this project we would evaluate intake piping, screening, and compressor and air piping that is utilized for backflushing the screens, and replace any necessary components to prolong the life of the water intake system.

ENVIRONMENTAL OR REGULATORY ISSUES:

None

RISK ASSESSMENT:

Medium

PROJECT BUDGET:

\$85,000 - \$130,000 estimated

BASIS OF COST EST:

Stainless steel fasteners, piping, compressor for backflushing, and possible pipe repairs. If pipe replacement is needed, cost will be significantly higher, therefore two costs are shown.

PROJECT TITLE: MAIN LIFT NORTH SEWER PUMP STATION GENERATOR – REPLACEMENT



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| CAPITAL PLAN | Sewer – Replacement Reserves |
| CRP # | 21-08-2 |
| PROJECT BASIS: | Replace existing tier 0, 338 HP generator with a tier 3 diesel or propane generator to comply with California air quality standards as well as to provide reliable back-up power at this critical sewer pump station. |
| DESCRIPTION: | The Main Lift North sewer pump station is the largest sewer pumping station in the District. It collects and pumps sewer from Units 1, 2, 3, 3b, and 4 in the North and all commercial and Murieta Village areas south of Highway 16 north of the Cosumnes River. The generator and electrical switchgear there allow the station to continue to operate in the event of power outages. |
| ENVIRONMENTAL OR REGULATORY ISSUES: | Updating of air quality permit for site required. Site power is shared with Sacramento Metro Fire Station 59 under an agreement and will need coordination with them. |
| RISK ASSESSMENT: | Medium |
| PROJECT BUDGET: | \$85,000 estimated |
| BASIS OF COST EST: | Budgetary estimate from generator vendor, for a fixed tier 3 generator, transfer switch, start-up and testing. |

MEMORANDUM

Date: May 1, 2020
To: Improvements Committee
From: Mark Martin, General Manager
Subject: Groundwater Sustainability Agency (GSA) Boundary MOU – Sacramento Central Groundwater Authority (SCGA)/Sloughhouse Resource Conservation District (SRCD)

BACKGROUND

This item has been discussed in a number of Committee and Board meetings in the past months. The basic issue involves which agency will function as the Groundwater Sustainability Agency (GSA) responsible for preparation and administration of the South American groundwater sub-basin which applies generally to the southwest 1/3 of the District. An MOU to decide boundaries has been finalized between the GSA parties. RMCS D is *not* a party of the MOU. The MOU simply recognizes that RMCS D is to decide what GSA (SCGA or SRCD) serves in the capacity of GSA for District lands within the South American sub-basin. RMCS D has been asked to provide an official board confirmation of RMCS D's preference. The plan is to have this as an item on the May 20, 2020 Board agenda.