

**CUPERTINO SANITARY DISTRICT
SANITARY BOARD MEETING
WEDNESDAY, APRIL 5, 2023**

AGENDA

The meeting will be held at 7:00 p.m. in the Stevens Creek Office Center, Suite 100, 20863 Stevens Creek Boulevard, Cupertino, California and via teleconference [call 1 (866) 899 - 4679 Conference Access Code: 251566821]. Anyone interested may attend in person or call in.

1. ROLL CALL

2. PUBLIC COMMENTS

This portion of the meeting is reserved for persons desiring to address the board on any matter not on the agenda. Speakers are limited to three (3) minutes.

All statements requiring a response will be referred to staff for further action. In most cases, state law will prohibit the board from making any decisions with respect to a matter not listed on the agenda.

3. CLOSED SESSION

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District and the City of Milpitas v. The City of San Jose, The City of Santa Clara and Does 1 through 50 inclusive.

4. MINUTES

- A. APPROVAL OF THE MINUTES OF MARCH 15, 2023
- B. APPROVED MINUTES OF MARCH 1, 2023

5. CORRESPONDENCE

NONE

6. MEETINGS

- A. TELECONFERENCE MEETING OF THE SAN JOSE/SANTA CLARA TREATMENT PLANT TECHNICAL ADVISORY COMMITTEE (TAC) TO BE HELD ON MONDAY, APRIL 10, 2023

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- B. TELECONFERENCE MEETING OF THE SAN JOSE/SANTA CLARA TREATMENT PLANT ADVISORY COMMITTEE (TPAC) TO BE HELD ON THURSDAY, APRIL 13, 2023

7. REPORTS

NONE

8. UNFINISHED BUSINESS

NONE

9. NEW BUSINESS

- A. BUDGET DISCUSSION
- B. SIGNIFICANT DEFECT REPAIR PROJECT-PHASE I
- C. PROGRESS REPORT FOR SEWER ASSET DATA MIGRATION TO ARCGIS

10. STAFF REPORT

- A. FUTURE DEVELOPMENT PROJECTS

11. CALENDAR ITEMS

- A. NEXT REGULAR DISTRICT BOARD MEETING IS TO BE HELD ON WEDNESDAY, APRIL 19, 2023

12. ADJOURNMENT

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 15, 2023

The Sanitary Board of the Cupertino Sanitary District convened this date at 7:00 p.m. This meeting was conducted at the District office at 20863 Stevens Creek Blvd, Suite 100, Cupertino.

1. ROLL CALL:

President Kwok called the meeting to order, and the following proceedings were had to wit: Roll call was taken, with the following members in attendance:

Directors present: William A. Bosworth, Angela S. Chen, Taghi S. Saadati, David A. Doyle, and Patrick S. Kwok.

Staff present: District Manager Benjamin Porter, Associate Sanitary Engineer Abby Yung, and Counsel Marc Hynes.

District Consultant: Richard K. Tanaka

Public: None

2. PUBLIC COMMENTS:

There were none.

3. CLOSED SESSION:

President Kwok adjourned the regular meeting session and opened the closed session at 7:01 p.m. Manager Porter, and Engineer Yung were excused from the closed session.

A. Conference with legal counsel – Existing Litigation in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District, and the City of Milpitas v. The City of San Jose, The City of Santa Clara, and Does 1 through 50 inclusive.

Board action: There was no reportable action.

President Kwok adjourned the closed session at 7:15 p.m. and the regular meeting was called to order. District Manager Porter, and Engineer Yung rejoined the regular meeting.

4. MINUTES & BILLS:

A. On a motion by Director Bosworth, seconded by Director Saadati, by a vote of 5-0-0, the minutes of the regular meeting held on Wednesday, March 1, 2023, were approved.

B. By consensus, the Minutes of Wednesday, February 15, 2023, are to be Noted & Filed.

C. The Board reviewed February payable warrants and financial statements. On a motion by Director Saadati, seconded by Director Doyle, by a vote of 5-0-0, the financial statements and payment of bills for February were approved as written.

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D. The Board members will submit their March timesheets to Manager Porter.

5. CORRESPONDENCE:

A. The Board reviewed a memorandum from California Sanitation Risk Management Authority titled: Property Market Update. It is to be Noted & Filed.

6. MEETINGS:

A. Manager Porter plans to attend the regular meeting of the San Jose/Santa Clara Treatment Plant Technical Advisory Committee (TAC) to be held on Monday, April 10, 2023.

B. President Kwok plans to attend the regular meeting of the San Jose/Santa Clara Treatment Plant Advisory Committee (TPAC) to be held on Thursday, April 13, 2023.

7. REPORTS:

A. Director Bosworth reported on the Santa Clara County Special Districts Association meeting held on Monday, March 6, 2023.

8. UNFINISHED BUSINESS:

There was none.

9. NEW BUSINESS:

A. The Board discussed Ordinance Amendment to Agreement – I-280/Wolfe Road Sewer Relocation Bennett Trenchless Engineers (BTE) Agreement for Trenchless Engineering Services. On a motion by Director Bosworth, seconded by Director Saadati, by a vote of 5-0-0, the Board approved the amendment as written.

B. The Board reviewed the memo on Annual Renewal for Granite Software. On a motion by Director Bosworth, seconded by Director Saadati, by a vote of 5-0-0, the Board approved reimbursement of half the renewal cost to Mark Thomas in the amount of \$2,344.00.

C. Manager Porter presented the Preliminary Rate Study to the Board. No Board action was taken.

D. The Board reviewed Resolution No. 1341, Setting Time and Place of Public Hearing on Consideration of Rate Increase. On a motion by Director Saadati, seconded by Director Bosworth, by a vote of 5-0-0, the Board approved Resolution No. 1341 and the public hearing date was set for May 17, 2023.

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10. STAFF REPORTS:

- A. Manager Porter reported on Future Development Projects.
- B. Manager Porter reported on the maintenance summary report.

11. CALENDAR ITEMS:

- A. The next regular District Board meeting is scheduled to be held on Wednesday, April 5, 2023.

12. ADJOURNMENT:

On a motion properly made and seconded, at 8: 01 p.m. the meeting was adjourned.

Secretary of the Sanitary Board

President of the Sanitary Board

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 1, 2023

The Sanitary Board of the Cupertino Sanitary District convened this date at 7:00 p.m. This meeting was conducted in-person at District office at 20863 Stevens Creek Blvd, Suite 100, Cupertino and via teleconferencing in accordance with AB 361.

1. ROLL CALL:

President Kwok called the meeting to order, and the following proceedings were had to wit: Roll call was taken, with the following members in attendance:

Directors present: William A. Bosworth, Angela S. Chen, Taghi S. Saadati, David A. Doyle, and Patrick S. Kwok.

Staff present: District Manager Benjamin Porter, Associate Sanitary Engineer Abby Yung, District Administrative Clerk Frankie Martinez, and Counsel Marc Hynes.

District Consultant: Richard K. Tanaka

Public: Hsukuei Lin and Claudia Chen, Customers

Other: Ann Marie Mortimer, and Tom Boer

2. AB 361:

The Board of Directors makes the following findings required by AB 361 in order to continue holding meetings by teleconferencing electronically: (1) the March 4, 2020 Governor’s Proclamation of a State of Emergency is still in effect, (2) the County of Santa Clara Health Officer announced on May 10, 2022 that COVID-19 cases are rising again to higher levels than last summer's surge and there is a rise in hospitalizations; she continues to encourage social distancing and advises people wear masks indoors, and (3) due to room capacity limitations, meeting in person would present imminent risks to the health or safety of attendees.

No Board action was taken.

3. PUBLIC COMMENTS:

There was none. Members of the public were present for Item 9.A on the agenda.

4. CLOSED SESSION:

President Kwok adjourned the regular meeting session and opened the closed session at 7:07 p.m. Manager Porter, Engineer Yung, Staff Martinez, Public Lin and Chen were excused from the closed session.

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 1, 2023

- A. Conference with legal counsel – Existing Litigation in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District, and the City of Milpitas v. The City of San Jose, The City of Santa Clara, and Does 1 through 50 inclusive.

Board action: There was no reportable action.

President Kwok adjourned the closed session at 7:46 p.m. and the regular meeting was called to order. Manager Porter, Engineer Yung, Staff Martinez, Public Lin and Chen rejoined the regular meeting. Consultant Tanaka, Mortimer, and Boer left the regular meeting.

By consensus, the Board moved agenda Item 9.A - “Ordinance No. 130, Amending Property Line Cleanout & Lateral Ordinance” up on the agenda to follow Agenda Item 4.

9. UNFINISHED BUSINESS:

- A. The Board reviewed the draft Ordinance No. 130, Amending Property Line Cleanout. Manager Porter presented Staff research on pipe material requirements of other agencies. The PVC SDR-26 pipe material currently required by the District is preferred because of its durability and cost compared to other materials. Also due to the geometry of SDR-26, connections to other pipe materials are more secure. After Board discussion, and questions and comments from customers Lin and Chen, on motion by Director Saadati, seconded by Director Chen, by a vote of 5-0-0, the Board approved Ordinance No. 130 with the following revision: The District strongly recommends a traffic grade Christy box be installed in a driveway however, the property owner may choose to install a traffic grade or non-traffic grade Christy box at their discretion.

5. MINUTES & BILLS:

- A. On a motion by Director Bosworth, seconded by Director Chen, by a vote of 5-0-0, the minutes of the regular meeting held on Wednesday, February 15, 2023, were approved.
- B. By consensus, the Minutes of Wednesday, February 1, 2023, are to be Noted & Filed.

6. CORRESPONDENCE:

There was none.

7. MEETINGS:

- A. The teleconference meeting of the San Jose/Santa Clara Treatment Plant Technical Advisory Committee (TAC) scheduled for Monday, March 6, 2023, is canceled.
- B. Director Bosworth plans to attend the Santa Clara County Special Districts Association meeting to be held Monday, March 6, 2023.
- C. The teleconference meeting of the San Jose/Santa Clara Treatment Plant Advisory Committee (TPAC) scheduled for Thursday, March 9, 2023, is canceled.

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8. REPORTS:

There were none.

9. UNFINISHED BUSINESS:

A. Item 9.A moved up on the agenda after Item 4. Closed Session.

10. NEW BUSINESS:

A. Manager Porter presented the Annual InfoCare Renewal for XPSWMM Board Memo. On a motion by Director Saadati, seconded by Director Chen, by a vote of 5-0-0, the Board authorized a reimbursement amount of \$3,760.00 (50%) to Mark Thomas.

Lin and Chen, members of the Public, left the Board meeting at 8:18pm.

B. Manager Porter presented the Cash Flow Summary. Board members approved consideration of a rate increase and requested a rate study. Staff is to prepare a rate study and present at the next regular Board meeting. Director Doyle requested information on the District Financial Reserve policy and Staff is to report on the Reserve Policy in the next Board meeting.

C. The Board discussed the District Manager Rate. President Kwok commended Manager Porter on his outstanding work for the District and service to the Board. On a motion by Director Saadati, seconded by Director Bosworth, by a vote of 5-0-0, the Board approved a total increase of 7.6% to cover the past three years and increase the District Manager's rate to \$273.00.

11. STAFF REPORTS:

A. Manager Porter reported on Future Development Projects. The developer of Westport Cupertino Assisted Living, which is now named Atria Cupertino, is in the final plan submittal phase and preparing to sign the Installer's Agreement for Parcel B. Staff has been in regular contact with the engineers and developers for this development.

12. CALENDAR ITEMS:

A. The next regular District Board meeting is scheduled to be held on Wednesday, March 15, 2023. Director Chen plans to attend remotely, via teleconference.

Director Bosworth requested Staff to prepare a study on District fees and agendize for a future meeting.

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 1, 2023

13. ADJOURNMENT:

On a motion properly made and seconded, at 8:41 p.m. the meeting was adjourned.

Secretary of the Sanitary Board

President of the Sanitary Board



Memo

Item 9B

To: Board of Directors

From: Benjamin Porter, District Manager-Engineer

Date: April 5, 2023

Re: Significant Defect Repair Project – Phase 1 - Project Closeout and Final Acceptance

Background:

On November 30, 2022, C2R Engineering, Inc., was awarded a contract for the “Significant Defect Repair Project – Phase 1” in the total amount of \$127,800.00. On 01/25/2023, District and C2R agreed to reduce the scope of work for one project location and the new modified Bid amount was \$118,200.00.

Project Close-Out and Financial Accounting:

Staff received the final invoice on March 28, 2023, from C2R Engineering, Inc in the amount of \$137,280.63. There were some unforeseen conditions and delays that C2R encountered during the completion of the work and this resulted in a change order for an additional amount of \$18,480.63. This amount includes labor, material, equipment, overhead costs, project retention cost and change order cost. The final invoice amount for “Significant Defect Repair Project - Phase 1” is \$137,280.63.

Staff has reviewed and approved the “Significant Defect Repair Project - Phase 1” project. Work has been completed per Districts standard details and specifications.

Summary of payment to C2R Engineering, Inc:

Project to Date

Original Contract Award	\$127,800.00.
Modified Contract Award	\$118,200.00
Progress Payment # 001	\$51,950.00
Progress Payment # 002	\$66,850.00
Change Orders	\$18,480.63
<u>Project to Date Amount Spend</u>	<u>\$137,280.63</u>

Final Payment:

Final payment to C2R Engineer, Inc. to closeout Bid Packet “Significant Defect Repair Project - Phase 1”, \$137,280.63.

Staff Recommendation:

Accept the project and authorize the payment of \$137,280.63 for the “Significant Defect Repair Project - Phase 1” project to C2R Engineering, Inc, as the first and final payment.

Attachments:

- 1) Receipts for Bid Packet “Significant Defect Repair Project - Phase 1” and Memos related to change of scope and District’s response to change of orders submitted by C2R.
- 2) Project Final Walk Through Receipt – Passed Inspection
- 3) Daily Inspection Reports for Bid Packet “Significant Defect Repair Project - Phase 1”.

ATTACHMENT 1

Invoice



C2R
ENGINEERING

C2R ENGINEERING, INC

P.O. Box 1017

Mountain View, CA 94042

Date	Invoice #
3/31/2023	C4311A

Bill To
CUPERTINO SANITARY DISTRICT 20863 STEVENS CREEK BLVD, STE 100 CUPERTINO, CA 95014

Ship To
CUPERTINO SANITARY DISTRICT 20863 STEVENS CREEK BLVD, STE 100 CUPERTINO, CA 95014

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
			2/6/2023			
Quantity	Item Code	Description			Price Each	Amount
1	Sales - Small Projects	Progress Payment # 001 (Bid Items)			51,950.00	51,950.00
1	Sales - Small Projects	Progress Payment # 002 (Bid Items)			66,850.00	66,850.00
1	Sales - Small Projects	Change Orders			18,480.63	18,480.63
					Total	\$137,280.63



PROJECT NAME: Cupertino Sanitary District - Significant Defect Repair Project – Phase 1
 PROJECT NUMBER: 358
 PROGRESS PAYMENT: 2
 ORG CODE: N/A
 OBJECT CODE: N/A
 PROJECT CODE: N/A

CONTRACTOR: C2R Engineering, Inc.
 ADDRESS: P.O. Box 1017
 Mountain View, CA 94042
 (415) 559-2841
 WORK COMPLETED AS OF: January 31, 2023
 DATE: March 28, 2023

No.	DESCRIPTION	CONTRACT				THIS PAYMENT - PP1			THIS PAYMENT - PP2			PROJECT TO DATE		
		Unit	Quantity	Unit Price	Total	% COMPLETE D	QTY THIS ESTIMATE	\$	% COMPLETED	QTY THIS ESTIMATE	\$	% COMPLETED	QTY TO DATE	\$
1.	Mobilization	LS	1	\$9,000.00	\$ 9,000.00	50%		\$4,500	50%		\$4,500	100%	0	\$9,000.00
2.	Water Pollution Control	LS	1	\$2,000.00	\$ 2,000.00	50%		\$1,000	50%		\$1,000	100%	0	\$2,000.00
3.	Site Clearing	LS	1	\$3,500.00	\$ 3,500.00	100%	1	\$3,500				100%	1	\$3,500.00
4.	Traffic Control	LS	1	\$9,500.00	\$ 9,500.00	50%		\$4,750	50%		\$4,750	100%	0	\$9,500.00
5.	Location 1 – Remove and Replace 11 LF of 6" VCP with	LS	1	\$6,000.00	\$ 6,000.00				100%		\$6,000	100%	0	\$6,000.00
6.	Location 2: Remove and Replace 18 LF of 6"VCP with 18 LF of 6" PVC SDR 26.	LF	18	\$500.00	\$ 9,000.00				100%	18	\$9,000	100%	18	\$9,000.00
	Location 2: Remove and Replace existing Wye with 4"x6" PVC SDR26 Wye	EA	1	\$850.00	\$ 850.00				100%		\$850	100%	0	\$850.00
	Location 2: Remove and Replace 24 LF of 6" VCP with 24 LF of 6" PVC SDR 26.	LF	24	\$500.00	\$12,000.00				100%		\$12,000	100%	0	\$12,000.00
	Location 2: Remove and Replace 6 LF of 6" VCP with 6 LF of 6" PVC SDR 26.	LF	6	\$600.00	\$ 3,600.00				100%	6	\$3,600	100%	6	\$3,600.00
	Location 2: Remove and Replace existing Wye with 4"x6"	EA	1	\$850.00	\$ 850.00				100%		\$850	100%	0	\$850.00
	Location 2: Remove and Replace FI L2-FF. Reconnect	EA	1	\$3,500.00	\$ 3,500.00				100%		\$3,500	100%	0	\$3,500.00
7.	Location 3: Remove and Replace 10 LF of 6"	LF	10	\$600.00	\$ 6,000.00				100%		\$6,000	100%	0	\$6,000.00
	Location 3: Remove and Replace two existing wye with	EA	2	\$700.00	\$ 1,400.00				100%		\$1,400	100%	0	\$1,400.00
	Location 3: Remove and Replace 6 LF of 6"	LF	6	\$700.00	\$ 4,200.00				100%		\$4,200	100%	0	\$4,200.00
	Location 3: Repair Concrete Curb and Gutter per City of	LF	10	\$120.00	\$ 1,200.00				0%		\$0.00	0%	0	\$0.00
8.	Location 4: Remove and Replace 11 LF of 8"	LF	11	\$700.00	\$ 7,700.00				100%		\$7,700	100%	0	\$7,700.00
	Location 4: Remove and Replace existing wye	LS	1	\$1,500.00	\$ 1,500.00				100%		\$1,500	100%	0	\$1,500.00
9.	Location 8: Remove and Replace 16 LF of 8" Cast Iron	LF	16	\$600.00	\$ 9,600.00	100%	16	\$9,600				100%	16	\$9,600.00
	Location 8: Install a New 8-inch Flushing Inlet	EA	1	\$3,500.00	\$ 3,500.00	100%	1	\$3,500				100%	1	\$3,500.00
	Location 8: Abandon in place Existing 153 LF of 8" VCP	LS	1	\$2,300.00	\$ 2,300.00	100%	1	\$2,300				100%	1	\$2,300.00
10.	Location 11: Remove and Replace 6 LF of 8" VCP with	LF	6	\$700.00	\$ 4,200.00	100%	6	\$4,200				100%	6	\$4,200.00
11.	Location 12: Remove and Replace 16 LF of 6" PVC with	LF	16	\$600.00	\$ 9,600.00							0%	0	\$0.00
12.	Location 13: Remove and Replace 12 LF of 8" VCP with	LF	15	\$600.00	\$ 9,000.00	100%	15	\$9,000				100%	15	\$9,000.00
13.	Location 13: Remove and Replace 6 LF of 8" VCP with 6	LF	6	\$800.00	\$ 4,800.00	100%	6	\$4,800				100%	6	\$4,800.00
14.	Location 14: Remove and Replace 6 LF of 8" VCP with	LF	6	\$800.00	\$ 4,800.00	100%	6	\$4,800				100%	6	\$4,800.00
Change Orders												0%	0	\$0.00
1.	Location 2 - Additional Fottage Bid Item 6 (Remove and Replace 18 LF of 6" VCP with 18 LF of 6" PVC SDR 26.)	LF	1	\$500.00	\$ 500.00				100%		\$500	100%	0	\$500.00
2.	Location 2 - Additional Fottage Bid Item 6 (Remove and Replace 18 LF of 6" VCP with 18 LF of 6" PVC SDR 26.)	LF	5	\$600.00	\$ 3,000.00				100%		\$3,000	100%	0	\$3,000.00
3.	DEWR 001 - (Reason: Delays at Location 2 due to unforeseen conditions - existing 6" VCP was embedded in concrete)	LS	1	\$9,982.73	\$ 9,982.73				100%		\$9,983	100%	0	\$9,982.73
4.	DEWR 002 - (Reason: Extra time & efforts to expose and tunnel underneath existing utilities that were place directly on top of existing 6" VCP line)	LS	1	\$3,170.90	\$ 3,170.90				100%		\$3,171	100%	0	\$3,170.90
5.	DEWR 003 - (Reason: Delays at Location 13 due to tree trimming company working there.)	LS	1	\$1,827.00	\$ 1,827.00				100%		\$1,827	100%	0	\$1,827.00
TOTAL				\$ 148,080.63	\$ 148,080.63	TOTAL PP1	\$51,950.00	TOTAL PP2	\$ 85,330.63	PROJECT TO DATE	\$ 137,280.63			

Retention (5%) \$ (2,597.50) Retention (5%) \$ (4,266.53) Retention (5%) \$ (6,864.03)

TOTAL PP1	\$49,352.50	TOTAL PP2	\$ 81,064.10	PROJECT TO DATE	\$ 130,416.60
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PROJECT: Cupertino Sanitary District

CONTRACTOR: C2R Engineering, Inc.

DEWR	Date	Description	Amount	Agreed Amount
001	2/2/2023	Delays at Location 2 due to unforeseen conditions - existing 6" VCP was embedded in concrete. Extra time and efforts to demo, remove and replace sections of pipe	\$ 9,982.73	\$ 9,982.73
002	1/12/2023	Tunneling underneath existing utilities that were placed on top of existing 6" VCP line that was needed for repair	\$ 3,170.90	\$ 3,170.90
003	2/2/2023	Delays at Location 2 due to unforeseen conditions - existing 6" VCP was embedded in concrete. Extra time and efforts to demo, remove and replace sections of pipe	\$ 3,652.93	\$ 1,826.46
TOTAL			\$ 16,806.56	\$ 14,980.10





PROJECT: Cupertino Sanitary District - Emergency repair on Cristo Rey
 OWNER: Cupertino Sanitary District
 COMPLETION DATE: 1/12/2023
 CONTRACTOR: C2R Engineering, Inc.

DEWR

DEWR # 002
 Page No.: 1 OF 1

DESCRIPTION: Tunneling underneath existing utilities that were placed on top of existing 6" VCP line that was needed for repair

A. CONTRACT WORK PERFORMED					
Extra time and efforts to expose and tunnel underneath existing utilities that were place directly on top of existing 6" VCP line					
B. EQUIPMENT					
No.	DESCRIPTION	ACTUAL	PAY	RATE	AMOUNT
2	Crew Truck - GMC 3500 (3175 (7000) to 5443 (12000) Code 00-06) - Page 34 Caltrans	3	3	\$ 28.65	\$ 171.90
1	John Deere 35 (with Breaker)	3	3	\$ 65.00	\$ 195.00
1	Jumping jack whacker (113 Code 250 Page 4)	3	3	\$ 9.89	\$ 29.67
1	Bobtail dump truck - Over 65.3T (Code 18-22 Page 34)	3	3	\$ 88.38	\$ 265.14
1	Skid steer Bobcat 853 (Page 32) - W Loader Code			\$ 36.47	\$ -
1	Equipment Trailer	3	3	\$ 20.39	\$ 61.17
1	Bomag roller (Bomag BW 85T) Page 33			\$ 29.90	\$ -
1	Compressor with pogo stick (Code 025-045 Page 1)			\$ 36.28	\$ -
1	Multi Blade Saw (Code 20-33)	3	3	\$ 15.24	\$ 45.72
COST OF EQUIPMENT - B					\$ 768.60
C. MATERIALS					
No.	DESCRIPTION PER PLANS	Unit No.	Unit	UNIT COST	AMOUNT
					\$ -
					\$ -
					\$ -
COST OF MATERIAL & WORK - C					\$ -
D. SUBCONTRACTORS (WORK done by Specialists)					
No.	DESCRIPTION	Unit No.	Unit	UNIT COST	AMOUNT
1	CTK Trucking	3.00	Hrs	\$ 125.00	\$ 375.00
COST OF SUBCONTRACTORS & WORK - D					\$ 375.00
TOTAL COST & 15% MARK-UP B (Equipment)					\$ 883.89
TOTAL COST & 15% MARK-UP C (Material)					\$ -
TOTAL COST & 15% MARK-UP D (Subcontractor)					\$ 431.25
TOTAL COST A & B & C (Incl. Markup)					\$ 1,315.14

E. DIARY AND REMARKS	
New and Unforseen Work <input type="checkbox"/> None <input type="checkbox"/> Yes, Describe:	

F. LABOR					
P.R.	Employee Type	HOURS	RATE	EXT. AMOUNT	
1	Foreman				\$ -
	Adan M.	O.T			\$ -
		Reg	3	\$ 89.64	\$ 268.92
3	Laborer				\$ -
		O.T			\$ -
		Reg	3	\$ 86.97	\$ 782.73
1	Operator				\$ -
	Declan Sheedy	O.T		\$ 136.48	\$ -
		Reg	3	\$ 102.96	\$ 308.88
SUBTOTAL					\$ 1,360.53

10% Labor Surcharge	\$ 136.05
TOTAL COST OF LABOR - F	\$ 1,496.58
24% MarkUp Labor	\$ 359.18
TOTAL COST OF LABOR (After Mark-Up)- F	\$ 1,855.76

SUBTOTAL (TOTAL COST OF: B+C+ D+ E + F) \$ 3,170.90

TOTAL THIS REPORT \$ 3,170.90

CERTIFIED CORRECT _____
 (See attached Sheet) DATE _____

 (See attached Sheet) DATE _____

DISTRICT MANAGER-ENGINEER
MARK THOMAS & COMPANY, INC.
BENJAMIN T. PORTER

DISTRICT COUNSEL
ARMENTO AND HYNES, LLP
MARC HYNES



BOARD OF DIRECTORS
WILLIAM A. BOSWORTH
PATRICK S. KWOK
ANGELA S. CHEN
TAGHI S. SAADATI
DAVID A. DOYLE

20863 STEVENS CREEK BOULEVARD, SUITE 100
CUPERTINO, CALIFORNIA 95014-2154
PHONE (408) 253-7071 • Fax (408) 253-5173

File: CUSD – Letter #23-009

03/24/2023

Mr. Trevor Connolly
C2R Engineering, Inc.
100 Mountain View Avenue
Los Altos, CA 94024

Subject: Districts Comments on Invoice # C4311A submitted for “Significant Defect Repair Project – Phase 1” (Bid Date: November 11, 2022)”

Dear Mr. Connolly,

Thank you for submitting the Daily Extra Work Report (DEWR) and a charge of totaling to \$16,806.56 on the DEWR reports for dated 02/02/2023, 1/12/2023 and 2/2/2023. Upon reviewing the DEWR charges, District is accepting some of the charges in DEWRs and is disputing some of the charges. Following are the District comments and proposed amount that District would be refunding.

DEWR 001 – \$ 9,982.73, (Reason: Delays at Location 2 due to unforeseen conditions - existing 6" VCP was embedded in concrete. Extra time and efforts to demo, remove and replace sections of pipe \$ 9,982.73.)

District Response to DEWR 001: Agree with charge.

DEWR 002 - \$3170.90, (Reason: Extra time & efforts to expose and tunnel underneath existing utilities that were place directly on top of existing 6” VCP line)

~~**District Response to DEWR 002:** Do not Agree with the charge. No compensation on the charge. Since, specification and plans already showed the gas line crossing.~~

District Response to DEWR 002 Updated on 03/28/2023 based on the explanation provided by C2R in the email dated, 03/26/2022: Agree with charge

DEWR 003 – \$3652.93, (Reason: Delays at Location 13 due to tree trimming company working there.)

District Response to DEWR 003: District will split the cost 50%. Delay due to uncoordinated tree trimming activity. District will pay \$1,827.00

Also, can you please make the modifications to the Invoice # C4311A, date 02/06/2023 as indicated in the comments on the invoice, which is to show the change of order cost as a saperate line items.

Included are two attachments: Comments on submitted DWER and Comments to Invoice # C4311A

DISTRICT MANAGER-ENGINEER

MARK THOMAS & COMPANY, INC.

BENJAMIN T. PORTER

DISTRICT COUNSEL

ARMENTO AND HYNES, LLP

MARC HYNES



BOARD OF DIRECTORS

WILLIAM A. BOSWORTH

PATRICK S. KWOK

ANGELA S. CHEN

TAGHI S. SAADATI

DAVID A. DOYLE

20863 STEVENS CREEK BOULEVARD, SUITE 100

CUPERTINO, CALIFORNIA 95014-2154

PHONE (408) 253-7071 • Fax (408) 253-5173

If you have any questions or need additional information, please contact Frank Quach at (510) 299-0917 or Vani Kathula at (408) 477-7320.

Thank you,

Sincerely,

Vani Kathula

For Benjamin T. Porter PE
District Manager-Engineer



C2R ENGINEERING
 C2R ENGINEERING, INC
 P.O. Box 1017
 Mountain View, CA 94042

Invoice

Date	Invoice #
3/28/2023	C4345A

Bill To
CUPERTINO SANITARY DISTRICT 20863 STEVENS CREEK BLVD, STE 100 CUPERTINO, CA 95014

Ship To
CUPERTINO SANITARY DISTRICT 20863 STEVENS CREEK BLVD, STE 100 CUPERTINO, CA 95014

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
			3/28/2023			
Quantity	Item Code	Description			Price Each	Amount
1	Sales - Small Projects	Retention Release			6,864.03	6,864.03
					Total	\$6,864.03

WWW.C2REENGINEERING.COM

DISTRICT MANAGER-ENGINEER
MARK THOMAS & COMPANY, INC.
BENJAMIN T. PORTER

DISTRICT COUNSEL
ARMENTO AND HYNES, LLP
MARC HYNES



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20863 STEVENS CREEK BOULEVARD, SUITE 100
CUPERTINO, CALIFORNIA 95014-2154
PHONE (408) 253-7071 • Fax (408) 253-5173

File: CUSD – Letter #23-002

01/25/2023

Mr. Trevor Connolly
C2R Engineering, Inc.
100 Mountain View Avenue
Los Altos, CA 94024

Subject: Location 12 – Garrod Rd (Easement) Sewer Repair is removed from Scope of Work for “Significant Defect Repair Project – Phase 1 (Bid Date: November 11, 2022)”

Dear Mr. Connolly,

C2R and District have agreed to remove sewer repair work on Location 12 - Garrod Rd (Easement) as home owner is concerned about the restoration of the current existing landscape work after the sewer repair through open-cut point repair method. The amount of \$9,600 is removed from the original Bid Amount submitted by C2R for the Bid packet “Significant Defect Repair Project – Phase 1”.

This letter constitutes your Notice to remove the Location 12 from scope of work and the details pertaining to this location are listed below:

Location 12 - Garrod Rd (Easement) - Garrod to Villa Oaks Lane



DISTRICT MANAGER-ENGINEER
MARK THOMAS & COMPANY, INC.
BENJAMIN T. PORTER

DISTRICT COUNSEL
ARMENTO AND HYNES, LLP
MARC HYNES



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CUPERTINO, CALIFORNIA 95014-2154
PHONE (408) 253-7071 • Fax (408) 253-5173

Bid Packet: "Significant Defect Repair Project – Phase 1"

Bid Item # 11 is removed from the Base Bid Schedule as shown below:

11	Location 12: Remove and Replace 16 LF of 6" PVC with 16 LF of 6" PVC SDR26	LF	16	\$ 600	\$ 9,600
----	--	----	----	--------	----------

Bid Amount Removed from Initial Bid Packet Submitted: \$9,600.00

Modified Bid Amount: \$127,800.00 - \$9,600.00 = \$118,200.00

Please note this total "Modified Bid Amount" does not include any change orders.

Please sign this letter and send it back to us for our records.

If you have any questions or need additional information, please contact Frank Quach at (510) 299-0917 or Vani Kathula at (408) 477-7320.

Thank you,

Sincerely,

Vani Kathula

For Benjamin T. Porter PE
District Manager-Engineer

DocuSigned by:
Trevor Connolly
D0973B2A5EE44B0...

(Authorized Signing Officer)

Mr. Trevor Connolly
President
C2R Engineering, Inc.
100 Mountain View Avenue
Los Altos, CA 94024

< Job List Inspection

22840 MERCEDES RD
Cupertino, CA, 95014-3920
PW – FINAL RIGHT OF WAY
PW-2022-0637
N/A

Scheduled Time
2023/03/13
9:44 AM

Estimated Time
Tap to add >



PASSED

Updated March 16, 2023 at 10:18:29 AM



Details



Checklists



Attachments



Comments

Actions



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Traffic control were set up	
2	Backhoe and dump truck were used to break ground	
3	Shoring with ladder were use inside open trench to expose sewer main point repair	
4	Roughly about 11' of new SDR 26 pipe installed and backfilled with ¾" crush rock	
5	Backfilled with base rock and jumping jack wacker were used for compaction	
6	Point repair complete and restore	



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5



Photo No. 6



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Traffic control were set up	
2	Crew continue digging to get to good pipe	
3	11' of new SDR 26 pipe installed with 4"X6" wye and Flushing inlet connected	
4	Backfilled with base rock and jumping jack wacker were used for compaction	
5	Backfilled with Asphalt and plate wacker are used for compaction	
6	Point repair complete and restore	



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5



Photo No. 6



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Traffic control were set up	
2	Backhoe and dump truck were used to break ground	
3	Utility (electrical, gas AT &T) conflict during excavation	
4	Roughly about 6' of new SDR 26 pipe and backfilled with ¾" crush rock	
5	Backfilled with original naïve soil and jumping jack wacker were used for compaction	
6	Point repair complete and restore	



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5

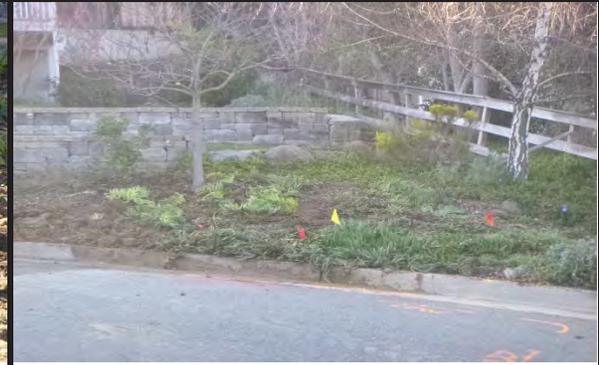


Photo No. 6



Sheet No.

Daily Report Photos Form

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Ref	Description	Remark
1	Traffic control set up	
2	Contractor break ground with backhoe and hand dig to expose sewer main at point repair	
3	3/4" crush rock and 11' of new SDR 26 pipe with 4x8 Wye connected	
4	Base rock backfilled and jumping jack Wacker were used for compaction with multiples lifts	
5	Tac Seal were applied, backfilled with asphalt and Jumping jack Wacker are used for compaction	
6	Point repair completed, restored to grade, and finished with sand	



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5



Photo No. 6



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Contractor continues backfilled with original naïve soil on repair 12	
2	Jumping jack wacker are used for compaction with multiple lifts	
3	Repair sites restore and marker were posted next to new FI	
4		
5		
6		

		
Photo No. 1	Photo No. 2	Photo No. 3
Photo No. 4	Photo No. 5	Photo No. 6



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Repair complete with Tac seal coated and finished with sand	
2		
3		
4		
5		
6		
		
Photo No. 1	Photo No. 2	Photo No. 3
Photo No. 4	Photo No. 5	Photo No. 6



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Traffic control set up	
2	Contractor break ground with backhoe and hand dig to expose sewer main at point repair	
3	¾" crush rock and 15.3' of new SDR 26 pipes connected	
4	Base rock backfilled and jumping jack Wacker were used for compaction with multiples lifts	
5	Tac Seal were applied, backfilled with asphalt and Jumping jack Wacker are used for compaction	
6	Point repair completed, restored to grade, and finished with sand	



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5



Photo No. 6



Sheet No.

Daily Report Photos Form

--

Ref	Description	Remark
1	Traffic control were set up	
2	Backhoe were used to break ground	
3	Shoring with ladder were use to removed defective pipe	
4	5.5' of new SDR 26 installed and backfilled with ¾" crush rock	
5	Point of connection were verify with CCTV push camera and approved before backfilled with crush rock and base rock	
6	Point repair complete with Tac seal coated and finished with sand	



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5



Photo No. 6



Memo

Item 9C

To: Board of Directors

From: Benjamin Porter, District Manager-Engineer

Date: April 5, 2023

Re: Progress Report for Sewer Asset Data Migration to ArcGIS

Purpose:

This is a progress report on the status of Cupertino Sanitary District ArcGIS implementation efforts.

Background:

Cupertino Sanitary District staff have undertaken the ongoing task of moving the district's asset data into an ArcGIS platform. This includes geolocating and digitizing as-built details, site records, new development details allowing the District to access and share the geographic locations of the assets within and outside of the organization. Over the years, the District has been managing, organizing and editing spatial data on ArcGIS including the creation of comprehensive professional maps for geographic data analysis, providing clear and informative visualizations of geographic data.

The table below summarizes some of the major tasks staff have accomplished from 2019 to current and two planning items.

Item	Tasks	Start Year	Completion (%)	Completion Year	Appendixes:
1	District flow study Map	2019	100%	2019	1: District Flow Study Map
2	Maintenance Zone Map	2019	100%	2020	2: Maintenance Zones
3	17 Pump-Stations	2019	100%	2020	3: Pump Stations and Pump Zone Boundary
4	Individual Pump Zone Boundary	2020	100%	2020	
5	Force Main Details	2019	100%	2022	4: CUSD Force Mains
6	Manhole Geolocations	2019	100%	2021	
7	Mainline Corrections	2019	100%	2021	
8	SSMP Reports	2019	100%	2020	
9	ArcGIS Online and The Dashboard	2022	100%	2022	5: ArcGIS Online and Dashboard
11	Geolocate PLCO with GPS device	2020	26.00%	2024	6: PLCO Geolocations
10	Laterals Corrections	2019	45.30%	2024	7: Lateral Corrections
12	Map Corrections with New Developments	2019	-	On-going	
13	Assessor Maps	2019	-	On-going	
14	Permitted ADUs	2019	-	On-going	
15	Digitize As-built details	2019	-	On-going	
16	SSO historical events	2023	-	TBC	
17	Pipe Structure Assessments	2023	-	TBC	

Completed Tasks:

In 2019, staff created 31 zones according to tributary areas of collection on ArcMap to perform a flow study, feasibility study, and reports for the CUSD District Wide Master Plan. The flow study map is provided below.

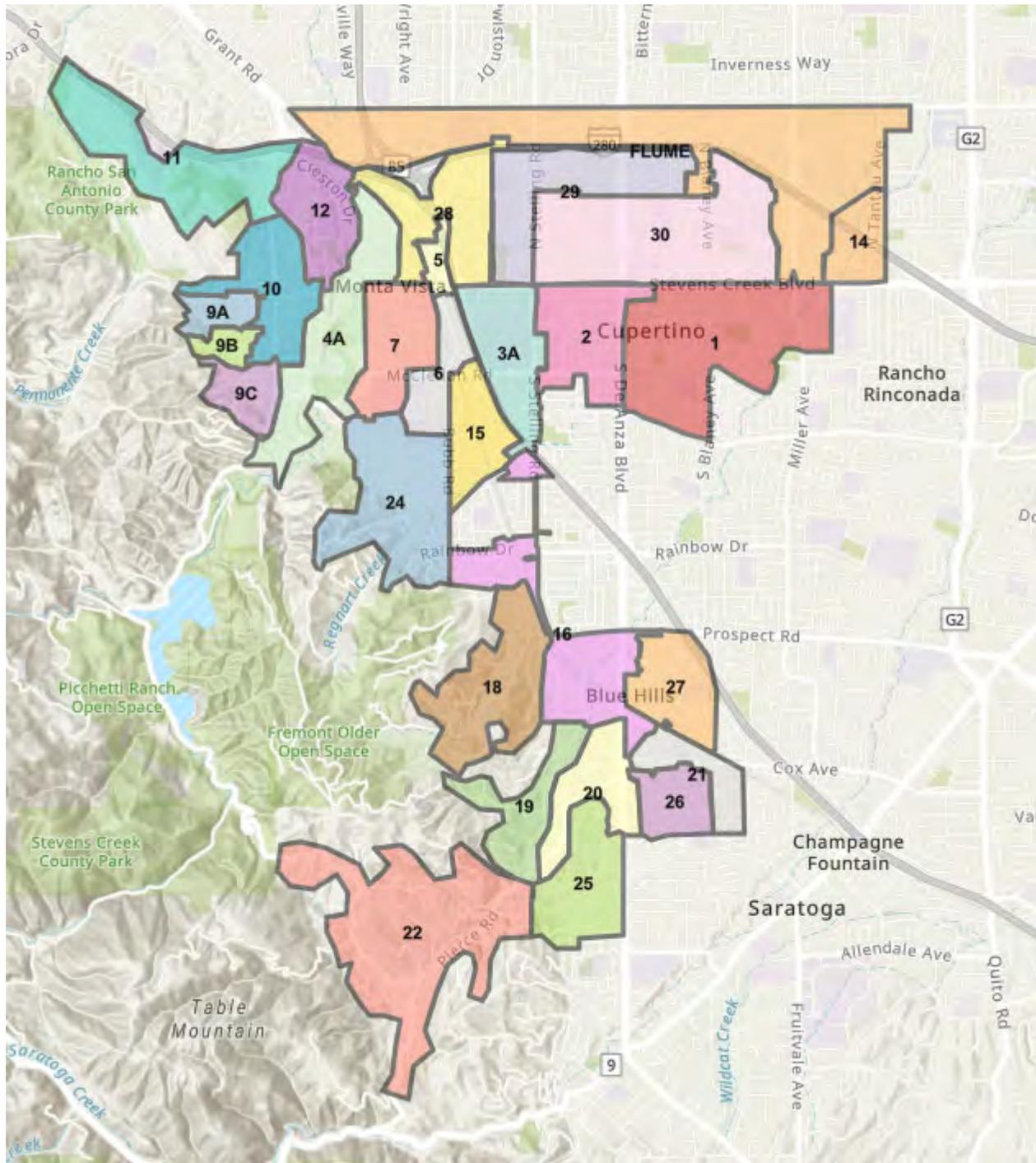


Figure 1. Flow Study Map

In 2020, the following tasks were completed:

1. Maintenance Zones were created for the sharing of geographic data and visualization. The maintenance zone map is provided below in Figure 1.

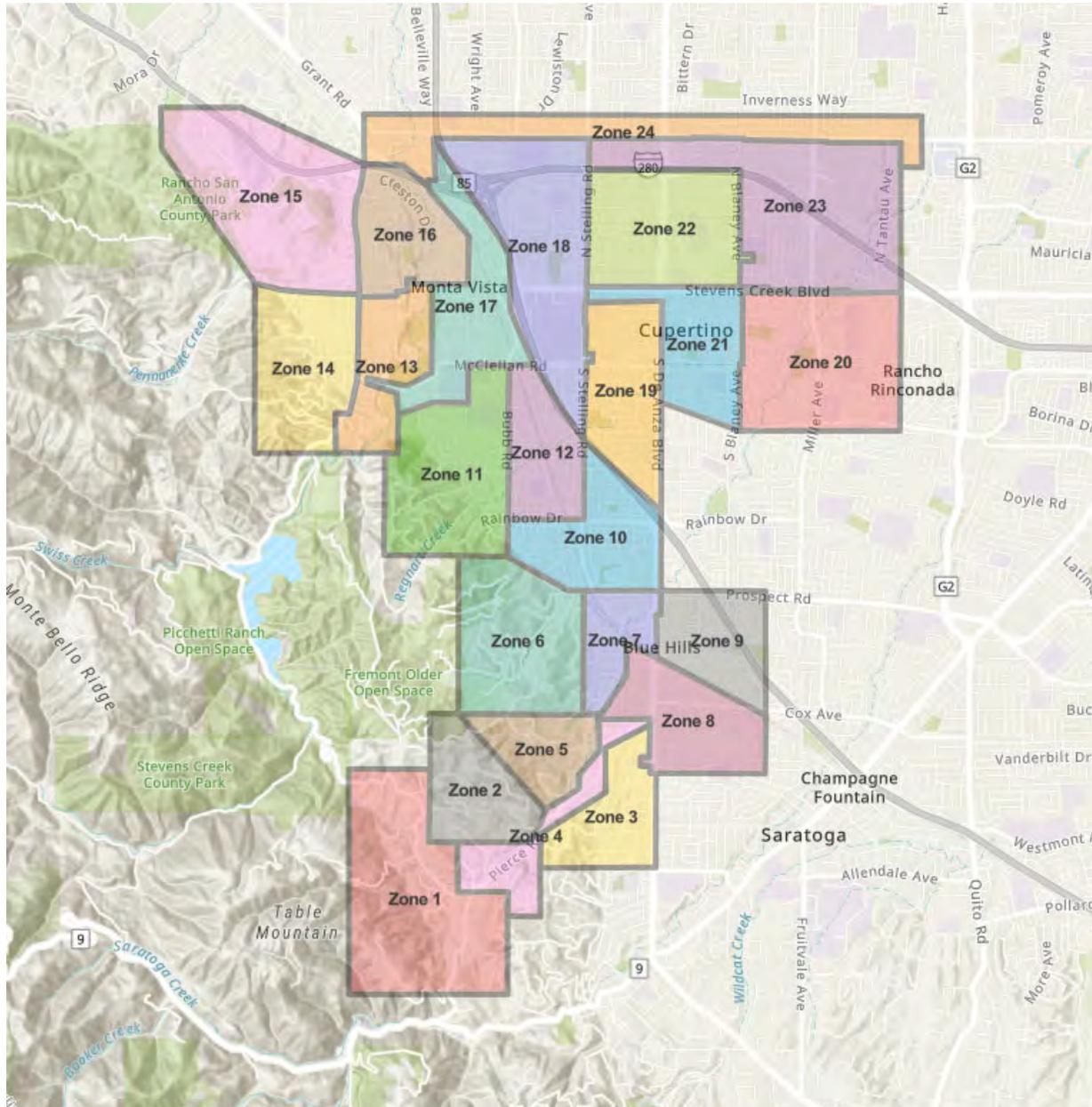


Figure 2. Maintenance Zones

2. 17 Pump stations were established on the District map with as-built details. The Pump Station and Pump Zone Boundary Map is provided below.
3. Pump Zone Boundaries were created to identify individual pump zone areas and were used to identify taxroll pump zone customers. The Pump Station and Pump Zone Boundary Map is provided below.

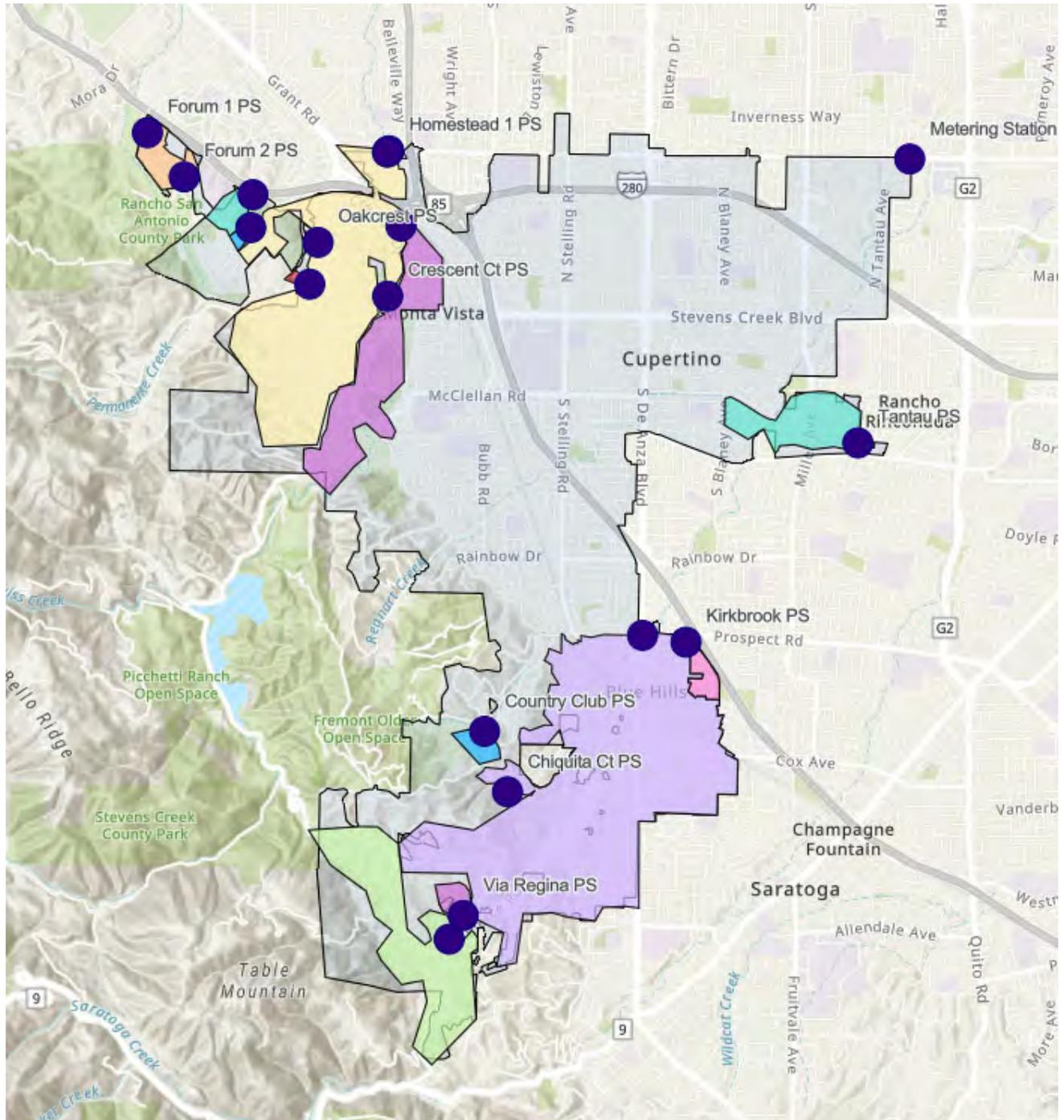


Figure 3. Pump Station and Pump Zone Boundary Map

4. Maps were created for analysis and development of the Sewer System Management Plan, specifically to identify assets within a close proximity to creeks.

In 2021, the following tasks were completed:

1. The entire District's Manholes were geolocated with the GPS device.
2. Mainlines were adjusted to align with geolocated manholes to improve accuracy.

In 2022, staff continued to transfer hard copies data onto ArcMap and moved to the cloud (online version) to enhance editing. The followings tasks were completed.

1. All Forcemains were updated with as-built details. An example of a forcemain is provide below.

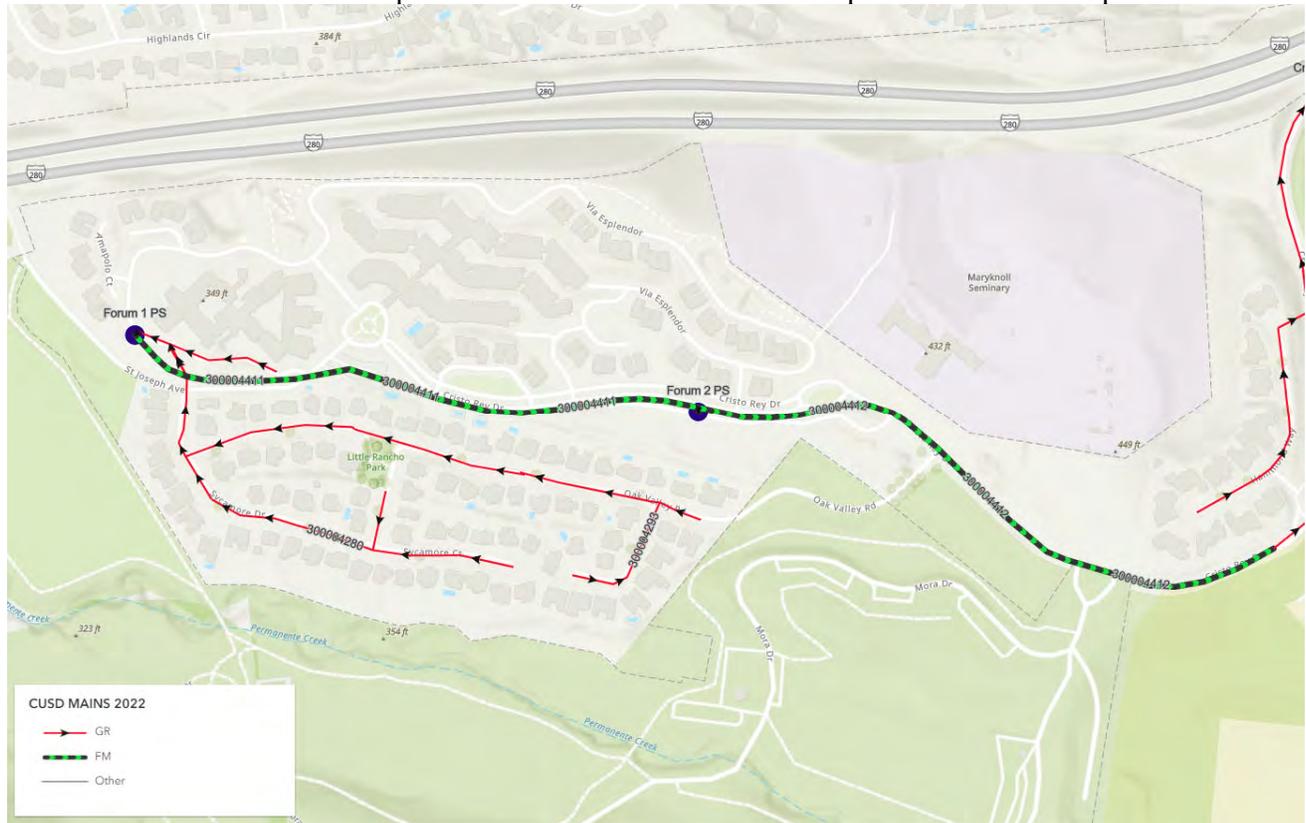


Figure 4. Forcemain Example

2. District layers were moved to the cloud for more efficient editing and an online dashboard was created to integrate data from GPS sensors to provide tracking information which further improve productivity. A screenshot of the online dashboard is below.

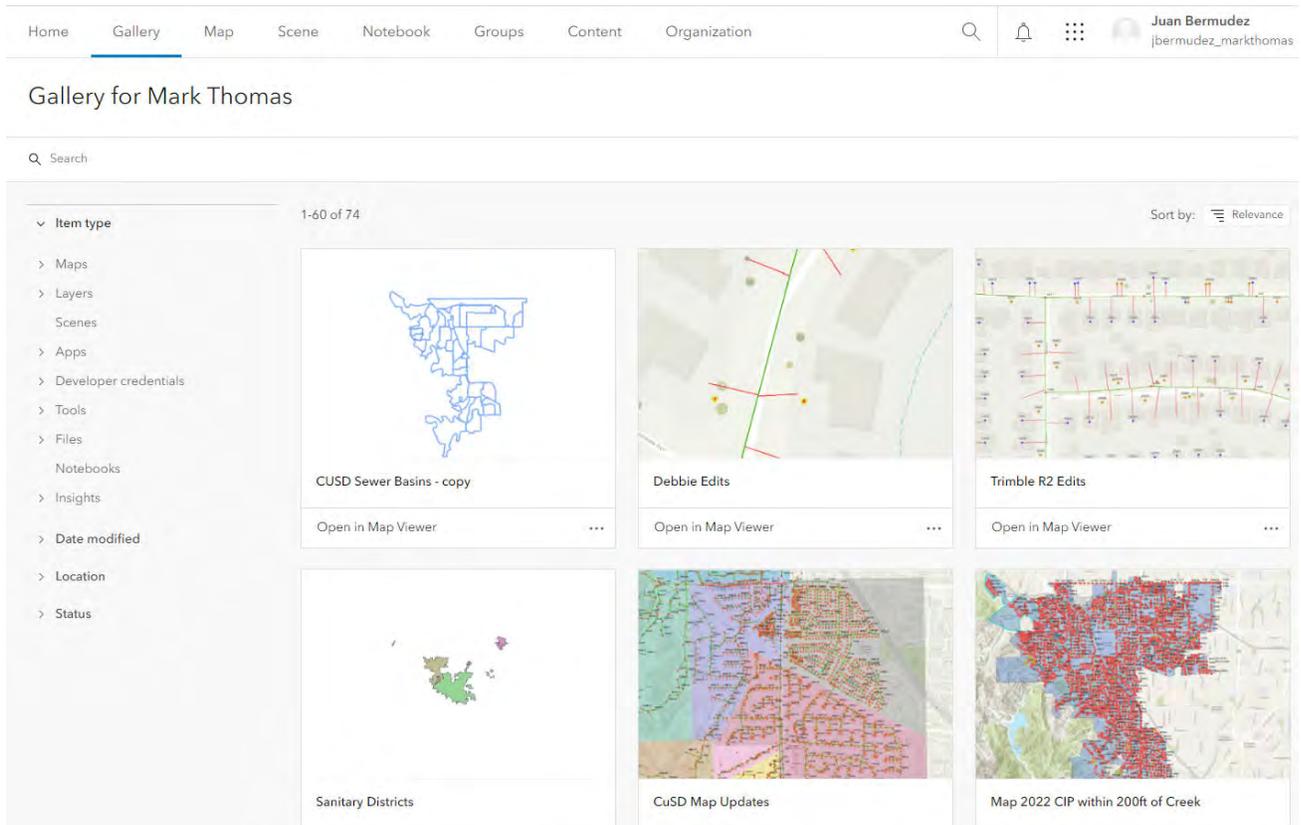


Figure 5. Online Dashboard

Current Tasks:

The major task staff are now working on now is geolocating PLCOs using the GPS device and inputting site verified data onto ArcGIS. On average, 560 laterals can be adjusted to the PLCO location manually on ArcGIS each month and we are now at 45.3% complete. This task is projected to be complete in 2024.

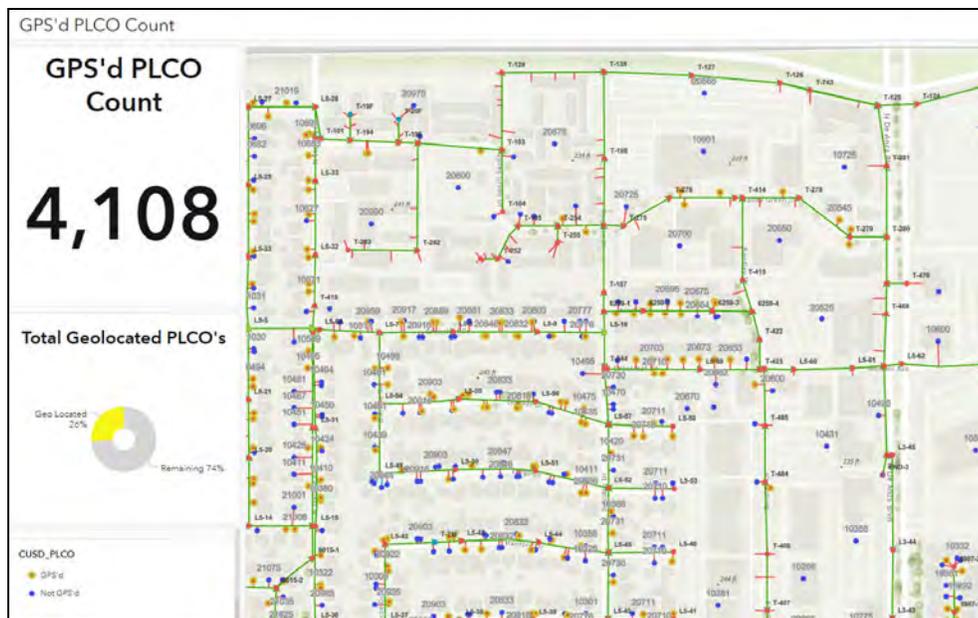


Figure 6. PLCO Locations

Below are other on-going tasks the staff have been working on:

1. Map Correction according to new developments or site verifications
2. To update Assessor (Parcel) information according to new developments
3. To update ADU information for residential improvement projects
4. The conversion of hard copy data into electronic version

Future Tasks Planning:

Staff is planning to create a District SSO history layer for mapping to be visualized and analyzed. Also, staff are considering the creation of pipe condition assessment layer with NASCCO rating for visual and analytical insights.

**CUPERTINO SANITARY DISTRICT
MEETING/EVENT SCHEDULE**

Item 11.A.

<p align="center"><u>APRIL 2023</u></p> <p>04/05: 1st Regular Meeting 04/10: TAC 04/12: CASSE 04/13: TPAC 04/19: 2nd Regular Meeting</p>	APRIL 2023						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
							1
	2	3	4	5 1 st Regular Meeting	6	7	8
	9	10 TAC	11	12 CASSE	13 TPAC	14	15
	16	17	18	19 2 nd Regular Meeting	20	21	22
	23	24	25	26	27	28	29
	30						

<p align="center"><u>MAY 2023</u></p> <p>05/03: 1st Regular Meeting 05/08: TAC 05/11: TPAC 05/17: 2nd Regular Meeting</p>	MAY 2023						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 1 st Regular Meeting	4	5	6
	7	8 TAC	9	10	11 TPAC	12	13
	14	15	16	17 2 nd Regular Meeting	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			

<p align="center"><u>JUNE 2023</u></p> <p>06/05: TAC & SCCSDA 06/07: 1st Regular Meeting 06/08: TPAC 06/21: 2nd Regular Meeting</p>	JUNE 2023						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2	3
	4	5 TAC SCCSDA	6	7 1 st Regular Meeting	8 TPAC	9	10
	11	12	13	14	15	16	17
	18	19	20	21 2 nd Regular Meeting	22	23	24
25	26	27	28	29	30		