

CITY OF REDLANDS
MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION
MEETING AGENDA
MONDAY, FEBRUARY 5, 2024

ADEKUNLE OJO
Chairperson

STEVE STOCKTON
Vice Chairperson

ROBERT MEALS
Commissioner

PAUL NORWOOD
Commissioner

THOMAS BREITKREUZ
Commissioner

DAVID GARCIA
Commissioner

**CHANDRASEKAR 'CV'
VENKATRAMAN**
Commissioner

4:00 PM Open Public Meeting
City Council Chambers
Civic Center
35 Cajon Street
Redlands, California

JOHN R. HARRIS
Municipal Utilities
& Engineering
Director

GOUTAM K. DOBEY
City Engineer

FERNANDO MATA
Wastewater Utility
Manager

PAUL MARISCAL
Water Utility
Manager

JUNG PARK
Laboratory
Manager

Anyone desiring to speak on an agenda item at this meeting may do so during the consideration of that item. Due to time constraints and the number of persons wishing to give oral testimony, public comments will be limited to three (3) minutes.

- *To provide comment, simply raise your hand to speak*

The following comprises the agenda for the regular meeting of the Municipal Utilities/Public Works Commission of the City of Redlands.

CITY OF REDLANDS
MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION
MEETING AGENDA
MONDAY, FEBRUARY 5, 2024

A. ATTENDANCE & CALL TO ORDER

B. PUBLIC COMMENT

(Any person wishing to provide public comment may do so at this time.)

C. APPROVAL OF MINUTES

- a. **December 4, 2023 Regular Meeting Minutes**

D. COMMUNICATIONS

- a. **Director's Report**
- b. **Development Impact Fee Study Presentation**

E. NEW BUSINESS

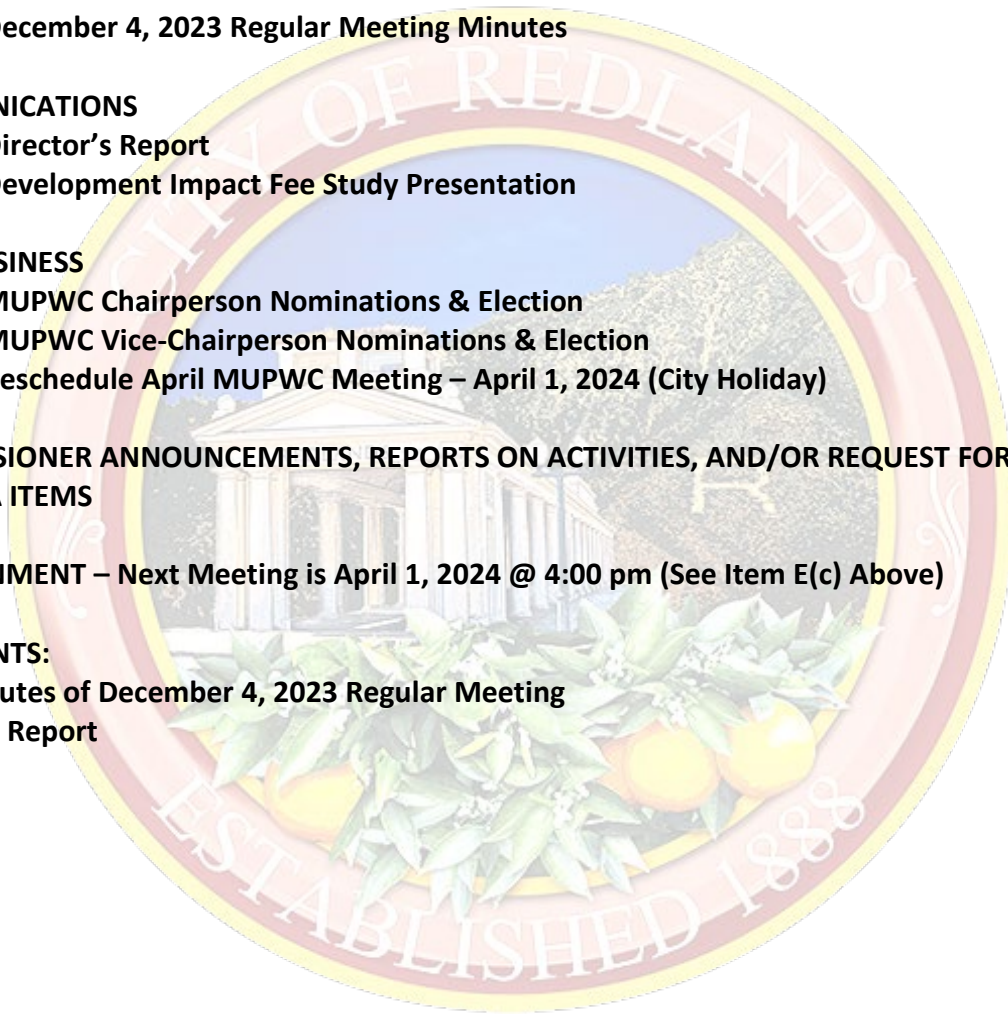
- a. **MUPWC Chairperson Nominations & Election**
- b. **MUPWC Vice-Chairperson Nominations & Election**
- c. **Reschedule April MUPWC Meeting – April 1, 2024 (City Holiday)**

F. COMMISSIONER ANNOUNCEMENTS, REPORTS ON ACTIVITIES, AND/OR REQUEST FOR FUTURE AGENDA ITEMS

G. ADJOURNMENT – Next Meeting is April 1, 2024 @ 4:00 pm (See Item E(c) Above)

ATTACHMENTS:

- 1. Draft Minutes of December 4, 2023 Regular Meeting**
- 2. Director's Report**



In compliance with the Americans with Disabilities Act, if special assistance is needed to participate in this meeting, contact Goutam Dobey of Municipal Utilities/Engineering Department at (909) 798-7584 x2. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. (28 CFR 35.102-35.104 ADA Title II) NOTE: Any writings or documents distributed to a majority of the Municipal Utilities/Public Works Commission regarding an open session agenda item less than 72 hours before this meeting are available for public inspection at: www.cityofredlands.org/municipal-utilitiespublic-works-commission, the Municipal Utilities & Engineering Department at 35 Cajon Street, Suite 15A, or calling (909) 798-7698.

DRAFT
(for MUPWC review on 2/5)
MINUTES

Regular meeting of the City of Redlands Municipal Utilities/Public Works Commission on December 4, 2023 at 4:00 PM in the Council Chambers at the Civic Center, 35 Cajon Street. The meeting was an in-person meeting.

A. ATTENDANCE & CALL TO ORDER

Present: Adekunle Ojo, Chairperson
Steve Stockton, Vice Chairperson
Thomas Breitzkreuz, Commissioner
Robert Meals, Commissioner

Absent: Chandrasekar 'CV' Venkatraman, Commissioner
David Garcia, Commissioner

City Council
Liaison: Mario Saucedo, City Council Member

Staff: John Harris, Municipal Utilities & Engineering Director; Goutam Dobey, City Engineer; Johana Silva, Commission Liaison/Associate Engineer; Fernando Mata, Wastewater Utility Manager; Jungjoon Park, Joint Utilities Laboratory Manager

Chairman Ojo called the meeting to order at 4:00 PM.

B. PUBLIC COMMENT

None.

C. APPROVAL OF MINUTES

On the motion by Vice Chair Stockton, seconded by Commissioner Breitzkreuz, the minutes of the regular meeting of October 2, 2023, were approved.

Vote: 4 – 0 Passed

D. COMMUNICATIONS

a. Director's Report

Director Harris welcomed everyone to the meeting and provided highlights to his Director's Report.

Updates were provided on the following:

South Mountain Water Company Shares Sale: Mr. Harris mentioned that Commissioner Garcia requested discussion on the sale of South Mountain Water Company shares. The City currently holds 911 out of 1000 shares, primarily utilized for supplying irrigation water to two (2) customers, incurring considerable costs for the City.

DRAFT
(for MUPWC review on 2/5)

MINUTES

Following the City Council's guidance, staff conducted negotiations to sell the shares to the affected customers. The matter presented to the City Council involves deliberation on selling 250 shares to property one (1).

Water Meter Replacement Project: MUED staff applied for a BOR grant to support the final three project phases. Recently approved, the grant provides around \$2.7M for project completion. Additionally, a BABA waiver request was submitted to BOR for evaluation, aiming to purchase and install Neptune water meters, as no known AMI-capable meter manufacturers meet the BABA requirements.

Caltrans/SBCTA Projects: Mr. Harris noted that the commission had specifically requested the inclusion of Caltrans/SBCTA projects within the city in the report. The report comprises project summaries within the city, along with links to the complete list of projects. Conversation took place regarding the scope of the Redlands Country Club Drainage Study and the ownership of the drainage easements.

The commission deliberated on the necessity of including the Caltrans/SBCTA project list in the report and concluded that staff should exercise discretion, opting to include only major projects. Inquiries were made regarding whether the agenda items for the upcoming City Council meeting pertained to time extensions.

b. Water Supply Summary Presentation

Mr. Harris provided a comprehensive overview of the City of Redlands' water profile. With a population of 75,000 and a water service population of 85,000, the City's water production averages 20 million gallons per day (MGD), reaching 35 MGD during peak seasons, while per capita daily consumption stands at 175 gallons. Notably, 70% of water usage is attributed to outdoor irrigation. The Santa Ana River Watershed involves various Mutual Water Companies, including Lugonia Water Company (WC), Redlands WC, West Redlands WC, Lugonia Park WC, and Bear Valley Mutual WC. Water costs for 2023 vary across these entities. In the broader watershed context, key figures include 4.2 million acre-feet of entitlements, 2.4 million acre-feet of deliveries, and the San Bernardino Valley Municipal Water District's allocation of 102,600 acre-feet. The presentation emphasized strategic water management practices, including maximizing Mutual Water Company entitlements, reducing reliance on the State Water Project, maintaining systems, and prioritizing conservation efforts to ensure sustainable water use.

E. NEW BUSINESS

a. MUPWC Chairperson Nominations & Election

Upon a motion made Vice Chair Stockton, seconded by Commissioner Meals, the commission, with a unanimous vote of 4-0, decided to table the item to the next meeting.

b. MUPWC Vice-Chairperson Nominations & Election

Upon a motion made Vice Chair Stockton, seconded by Commissioner Meals, the commission, with a unanimous vote of 4-0, decided to table the item to the next meeting.

DRAFT
(for MUPWC review on 2/5)
MINUTES

F. COMMISSIONER ANNOUNCEMENTS, REPORTS ON ACTIVITIES, AND/OR REQUESTS FOR FUTURE AGENDA ITEMS

Items requested for the next regular Commission meeting agenda were as follows:

Street Light Replacement Project – Cost savings achieved by transitioning the fixtures to LED technology

G. ADJOURNMENT – Next regular meeting is March 4, 2024 at 4:00 PM

There being no further business the meeting adjourned at 4:54 PM. The next regular meeting of the City of Redlands Municipal Utilities/Public Works Commission is scheduled for March 4, 2024.

DRAFT



City of
REDLANDS
Incorporated 1888
Municipal Utilities & Engineering Department

JOHN R. HARRIS
Director

MEMORANDUM

TO: Adekunle Ojo, Municipal Utilities/Public Works Commission Chair

FROM: John R. Harris, Municipal Utilities & Engineering Department Director

DATE: January 29, 2024

SUBJECT: February 5, 2024 Director's Report

Hello and thank you for serving the Redlands community as a Municipal Utilities/Public Works Commissioner (MUPWC)! City of Redlands Municipal Code Chapter 2.38 establishes the responsibilities of the MUPWC as follows:

"The commission is a resource for the City Council and City staff and buffer with the general public. In its advisory capacity, the commission shall be knowledgeable of all public works, utilities and engineering programs. The commission shall, through the individual and collective expertise of its members, provide advice to the Public Works and Municipal Utilities Departments regarding the public acceptability of proposed plans, programs and projects."

Upcoming City Council Meeting Agenda Items

- California Street/Redlands Boulevard Improvement Project SBCFCD Cooperative Agreement & CASC Agreement Amendment (February 6)
- Thermo Fisher Scientific Laboratory Equipment Purchase (February 6)
- WWTP Control Building Remodeling Agreement (February 6)
- Annual Street Rehabilitation Project Agreement (February 6)
- WWTP On-Call Engineering Support Agreement (February 20)
- Annual Sidewalk/ADA Ramp Replacement Project Agreement (February 20)

City Grove Irrigation Update

Engineering plans to extend a recycled water distribution pipeline south of I-10 on California Street are being developed in-house and are nearly complete. Once finalized, the plans will have to be reviewed and approved by CalTrans to receive permits for construction. The goal of this project is to transition the City's California Grove and West Gateway Grove from potable water

irrigation to recycled water irrigation. This will be the first expansion of the recycled water distribution system south of I-10.

WWTP P2 Project Update

Parsons Engineering completed and submitted all WWTP Improvement Project Phase 2 documents in December 2023. MUED staff and SWRCB staff participated in a kick-off meeting for the acceptance and use of a \$45M State Revolving Fund (SRF) loan to construct these improvements. We learned that the timeline for development of a Financing Agreement, which includes additional technical, environmental, and legal reviews, is approximately two (2) years. MUED staff has provided all requested documentation and continues to work closely with SWRCB staff to expedite this process. Parsons recently provided a Class 1 Construction Cost Estimate with the 90% design plans for all project elements totaling approximately \$110M, which includes indirect costs, direct costs, and allowances. MUED is carefully evaluating the Parsons plan set to identify the best approach for maximizing the SRF loan.

Water Meter Replacement Project

MUED is implementing a multi-year project to replace all potable and non-potable water meters within the Redlands service area. Ferguson Waterworks was selected to supply and install the water meters, meter box lids, and Automated Metering Infrastructure (AMI) water meter hardware for use in the future. Ferguson recently completed Phase 2 of the project, which focused on residential and large diameter commercial water meter replacements and AMI hardware retrofits. The water savings value associated with the completion of Phase 2 will be evaluated during the next year.

In July 2022, MUED staff submitted a BOR grant application to partially fund the three (3) remaining project phases. BOR recently approved this funding request and will provide approximately \$2.7M to complete the project. MUED staff submitted a BABA waiver request, which is currently being evaluated by BOR, to purchase and install Neptune water meters since no known AMI capable water meter manufacturers meet the BABA requirements. On September 5, 2023, the City Council awarded a new contract to Ferguson for the third and final phase of this project, which consolidates phases 3 – 5 into a single phase. The cost to complete this final project phase is approximately \$6.7M, of which approximately \$2.7M will be reimbursed by BOR. A project location map is provided as Attachment “B”.

PMP Update

Matich Corporation recently completed the FY 22/23 project and submitted the lowest responsive and responsible bid for the FY 23/24 project. City Council will consider awarding Matich a Construction Contract for approximately \$4.4M on February 6, 2024. A project location map is provided as Attachment “C”.

LED Streetlight Conversion Project Update



The FCS Department was unable to provide this project status update. An update will be included in the April 2024 MUPWC report.

Redlands Country Club Drainage Study Update

Watearth, Inc. recently completed a drainage study on and around the Redlands Country Club (RCC). The objective of the project was to develop a focused drainage study that considers pre-development and post-development runoff patterns to identify alternatives for improving existing drainage conditions. Peak flows and volumes for various development milestone dates were compared to the baseline year of 1960 and present day to determine the increase of peak flows and total volume of water flowing into the golf course over the years. Although the increased runoff is minimal, the City Engineer and Watearth discussed the following potential mitigation concepts to address peak flow increases, erosion, and sedimentation:

- Repurposing the Irrigation Pond near Outfall 1
- Stream Stabilization Improvements near Outfall 1
- Alternative Stream Improvements near Outfall 1
- Paving the Dirt Walking Path (Garden Mariposa Trail) near Outfall 1
- Sediment Trap Repair and Addition Sediment Basins Located at Outfall 1
- Additional Sediment Basins near Outfalls 3 and 4
- Removing the Curb along Sierra Vista Drive/Elder Road near Outfalls 3 and 4
- Installing a Tree Box near Outfall 2A
- Enforce Existing Erosion Control Guidelines Throughout the Project Area

Recently, RCC and MUED staff met to coordinate efforts to better control storm event runoff crossing the course. MUED staff will request funding in the FY 24/25 budget to replace a storm drainage structure above the course, with the goal of reducing contributory flows at this location. RCC will clear blocked drain pipelines and construct a combination grass swale/buried pipeline on the course.

Caltrans/SBCTA Projects

Please visit the following agency websites for specific project details:

Caltrans District 8 - <https://dot.ca.gov/caltrans-near-me/district-8/district-8-current-projects>

SBCTA - <https://www.gosbcta.com/projects/>

I will continue to provide project updates and summaries for potentially impactful projects within Redlands and nearby areas.

SR-38 is currently open to traffic in both directions.



Q3 Capital Improvement Project Update

The MUPWC is charged with, among other things, “*annually reviewing the City CIP under the purview of the Public Works and Municipal Utilities Departments*” (Municipal Code 2.38.030). However, during the December 7, 2020 MUPWC meeting, the Commission asked the MUED staff to provide quarterly CIP updates. A summary and status of CIP projects is provided in Attachment “D”. Highlights of current projects are provided below:

1. Multi-Year Well Rehabilitation & Booster Pump Replacements – Five (5) potable water wells and two (2) non-potable water wells are being rehabilitated in FY 23/24. This work is prioritized to occur during our typical low water demand season. Four (4) of these seven (7) wells are currently being rehabilitated and three (3) wells are scheduled for rehabilitation by March 2024. All wells will be returned to service before the end of 2024. Following is a short list of specific groundwater wells scheduled for rehabilitation with this project:
 1. Church Street Well (potable)
 2. Mentone #2 Well (potable)
 3. Airport #2 Well (potable)
 4. Mill Creek 2A Well (potable)
 5. Rees Well (potable)
 6. Mill Creek #4 Well (non-potable)
 7. Redlands Heights Well (non-potable)
2. Recycled Water Reservoir Engineering – This project was completed in January 2024. MUED staff will now research funding assistance opportunities.
3. Tate WTP Raw Water Influent Pipeline Engineering – This project is underway and Carollo Engineers recently submitted the 90% design plans for review. MUED staff reviewed these plans and submitted comments back to Carollo.
4. Hinckley WTP Sludge Press Engineering – This project is underway and Dudek recently submitted the 60% design plans for review. MUED staff reviewed these plans and submitted comments back to Dudek.
5. Well Perchlorate Treatment Evaluation – This project is underway and Dudek is developing 30% design plans and recently submitted a Preliminary Design Report for review. A recent detection of PFAS will not require design revisions.
6. Automated Metering Infrastructure (AMI) – Ferguson Enterprises was awarded a contract to install twenty-six (26) gateway collector stations throughout the City to remotely read water meters. To date, four (4) gateways have been installed and are now operational.
7. FY 22/23 Waterline Replacement Project – A Construction Contract was awarded to Tryco General Engineering and construction is anticipated to end in February 2024. A Project Location Map is provided as Attachment “E”.
8. Phase II & III Water Distribution SCADA Upgrade - Materials have been ordered. Installations began recently and will continue into 2024.

9. Alley Paving Project – This project was completed in January 2024. MUED staff is developing plans for the final Alley Paving Project, which is scheduled for construction in FY 24/25.
10. Sewerline Replacement Project – The FY 22/23 project was awarded to CEM and construction began in July. Construction is anticipated to end in mid-February. A project location map is provided as Attachment “F”.

As always, feel free to contact me anytime to discuss MUED issues, programs, projects, or concerns.

John R. Harris

jharris@cityofredlands.org

(909) 725-1963

Attachments:

- A – Acronym List
- B – Citywide Water Meter Replacement Project Phase 3 Location Map
- C – FY 23/24 PMP Location Map
- D – CIP Status List
- E – FY 22/23 Waterline Replacement Project Location Map
- F – FY 22/23 Sewerline Replacement Project Location Map

ACRONYMS

AACE	Association for the Advancement of Cost Engineering
AF	Acre-Feet
AFD	Acre-Feet per Day
AFY	Acre-Feet per Year
ADD	Average Day Demand
AMI	Advanced Metering Infrastructure
AMR	Automated Meter Reader
APWA	American Public Works Association
ASCE	American Society of Civil Engineers
ASL	Above Sea Level
AWWA	American Water Works Association
BABA	Build America Buy American
BOD	Biological Oxygen Demand
BOR	Bureau of Reclamation
BVMWC	Bear Valley Mutual Water Company
CalOSHA	California Division of Occupational Safety and Health Agency
CalWARN	California's Water/Wastewater Agency Response Network
CCR	Consumer Confidence Report
CIP	Capital Improvement Program
Cogen	Cogeneration
CPUC	California Public Utilities Commission
CWC	Crafton Water Company
DDW	Division of Drinking Water
DIF	Development Impact Fees
DLR	Detection Limit for Purposes of Reporting
DOE	Department of Energy
DU	Dwelling Unit
EDU	Equivalent Dwelling Unit
EOPC	Engineer's Opinion of Probable Cost
EPA	Environmental Protection Agency
EPS	Extended Period Simulation
ERNIE	Emergency Response Network of the Inland Empire
ES	Equalizing Storage
EVWD	East Valley Water District
FCS	Facilities and Community Services Department
FPS	Feet Per Second

FSS	Fire Suppression Storage
FY	Fiscal Year
GC	Groundwater Council
GIS	Geographical Information System
GPCD	Gallons per capita day
GPD	Gallons per day
GPM	Gallons per minute
Hinckley WTP	Horace P. Hinckley Water Treatment Plant
HP	Horsepower
HSIP	Highway Improvement Safety Program
I-10	Interstate 10
I-210	Interstate 210
MCL	Maximum Contaminate Level
MDD	Maximum Day Demand
MG	Million Gallons
MGD	Million Gallons per Day
mg/L	Milligrams per Liter
MUED	Municipal Utilities and Engineering Department
NPW	Non-Potable Water
NTU	Nephelometric Turbidity Unit
O&M	Operations and Maintenance
OS	Operational Storage
PFAS	Per- & Polyfluoroalkyl Substances
PHD	Peak Hour Demand
PMP	Pavement Management Program
PPM	Parts Per Million
PRS	Pressure Reducing Stations
PSI	Pounds per Square Inch
PW	Potable Water
RW	Recycled Water
SAR	Santa Ana River
SB	Stand-by Storage
SBBA	San Bernardino Basin Area
SBV	San Bernardino Valley (formerly San Bernardino Valley Municipal Water District)

SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SGMA	Sustainable Groundwater Management Act
SOC	Synthetic Organic Compounds
SOP	Standard Operating Procedure
SWP	State Water Project
SWRCB-DDW	State Water Resources Control Board – Division of Drinking Water
Tate WTP	Henry Tate Water Treatment Plant
TBD	To be determined
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
TTHM	Trihalomethanes
U.S.	United States
UWMP	Urban Water Management Plan
VOC	Volatile Organic Compounds
WD	Water Distribution
WP	Water Production
WSCP	Water Shortage Contingency Plan
WSMP	Water System Master Plan
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant

FY23/24 Meter Routes

Potable Water Meter
Change-Out CIP

- Route 24 - 282
- Route 25 - 492
- Route 26 - 329
- Route 27 - 344
- Route 28 - 301
- Route 31 - 271
- Route 32 - 268
- Route 33 - 314
- Route 34 - 324
- Route 45 - 159
- Route 47 - 254
- Route 48 - 221
- Route 51 - 341
- Route 52 - 355
- Route 53 - 310
- Route 54 - 335
- City of Redlands

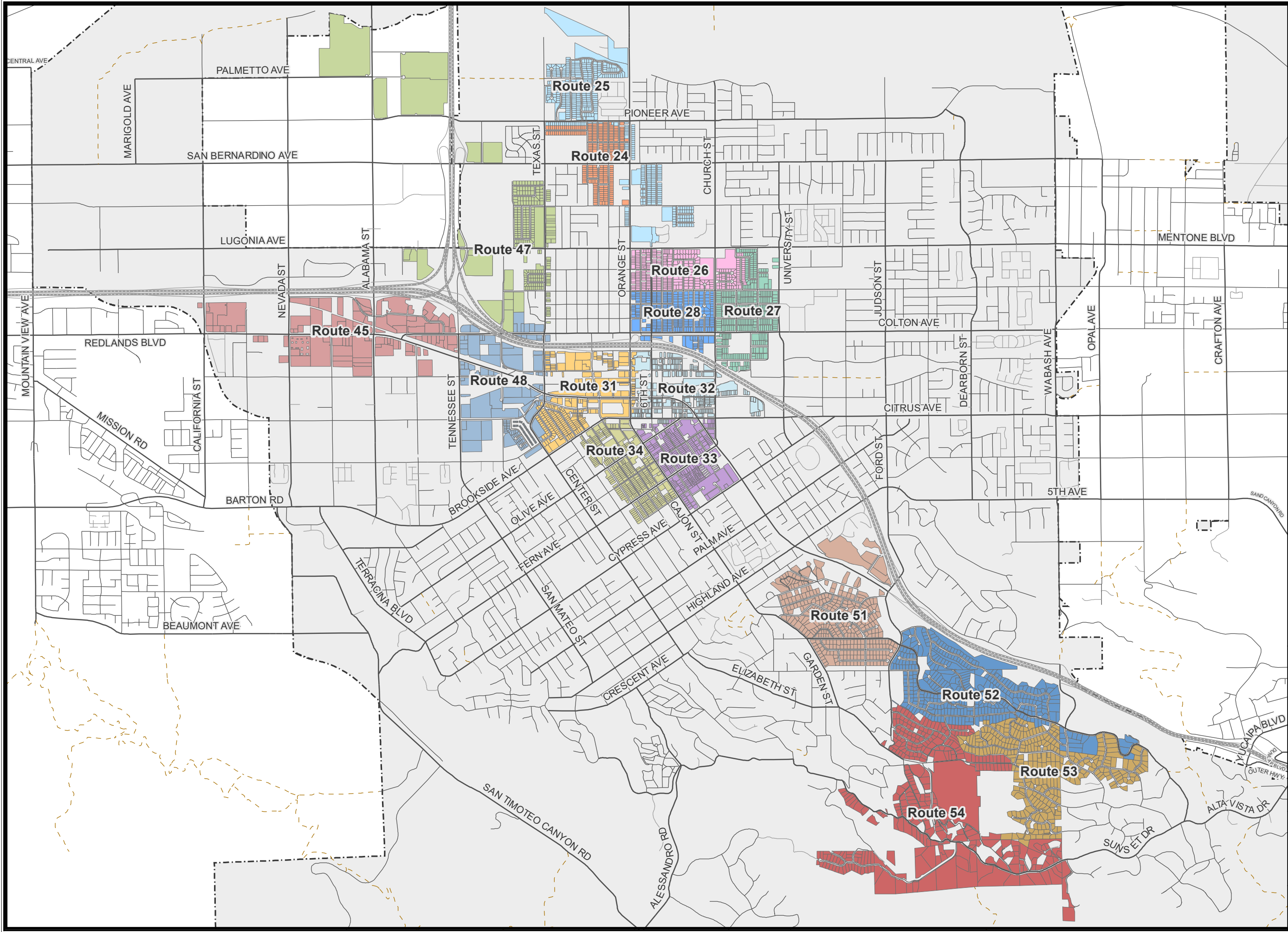
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June 14, 2022

FY23_24Potable.mxd



FY24/25 Meter Routes

Potable Water Meter
Change-Out CIP

- Route 35 - 325
- Route 36 - 278
- Route 37 - 357
- Route 38 - 261
- Route 41 - 339
- Route 42 - 255
- Route 43 - 275
- Route 55 - 341
- Route 56 - 350
- Route 57 - 351
- Route 58 - 249
- Route 61 - 343
- Route 62 - 359
- Route 63 - 455
- Route 64 - 442
- City of Redlands

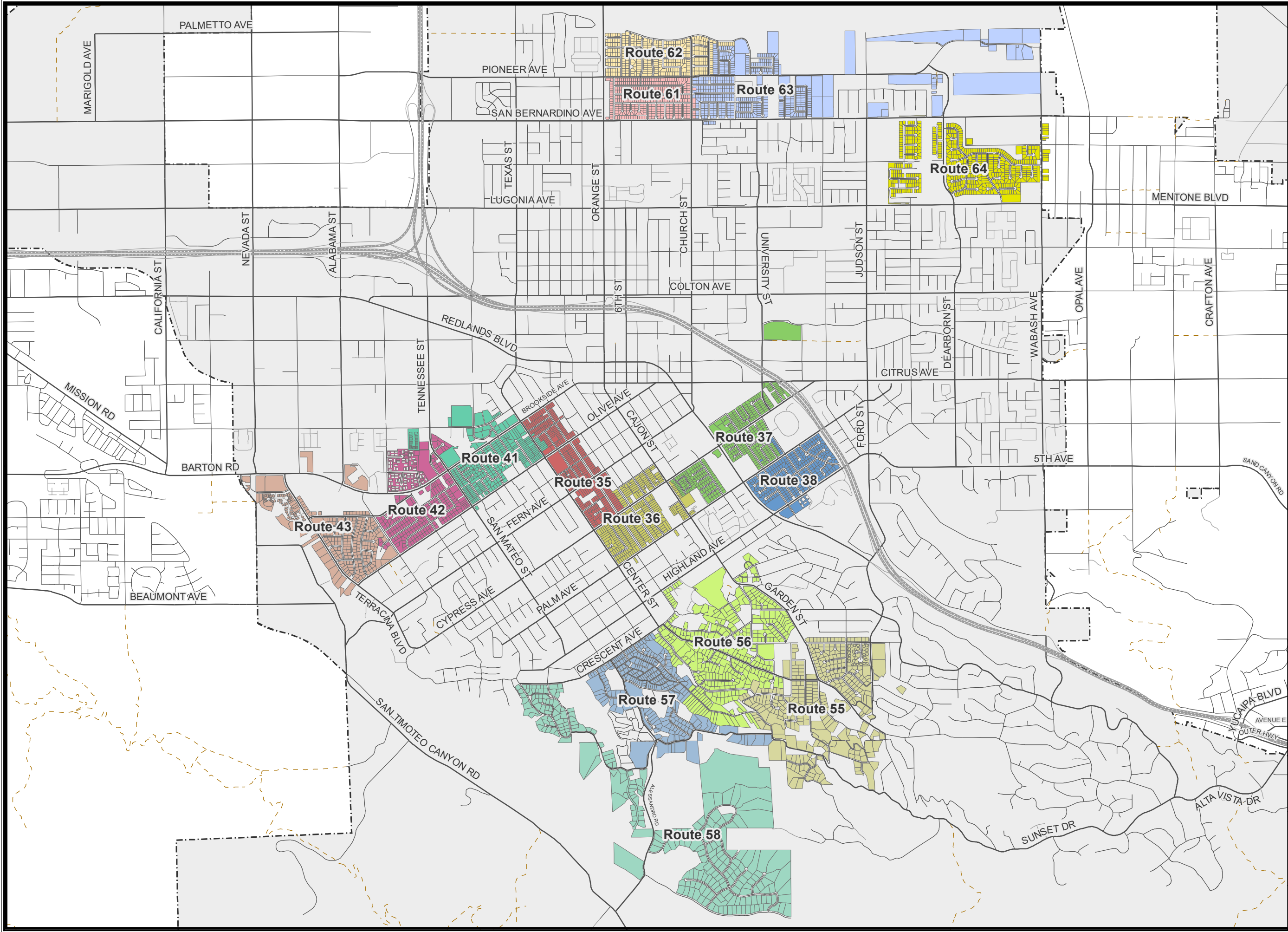
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June 14, 2022

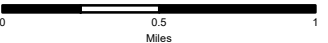
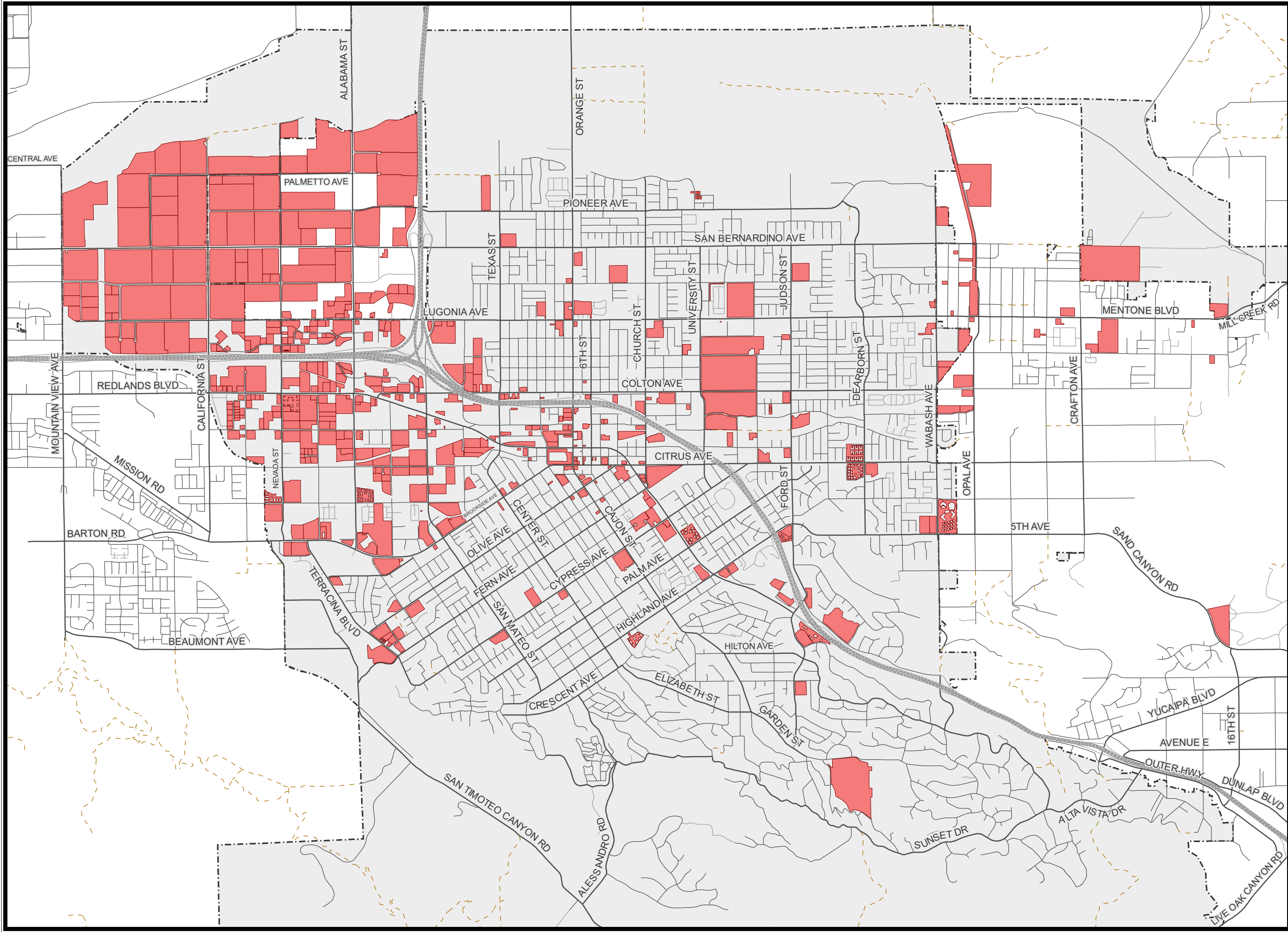
FY24_25Potable.mxd



FY25/26 Fire Protection

Potable Water Meter
Change-Out CIP

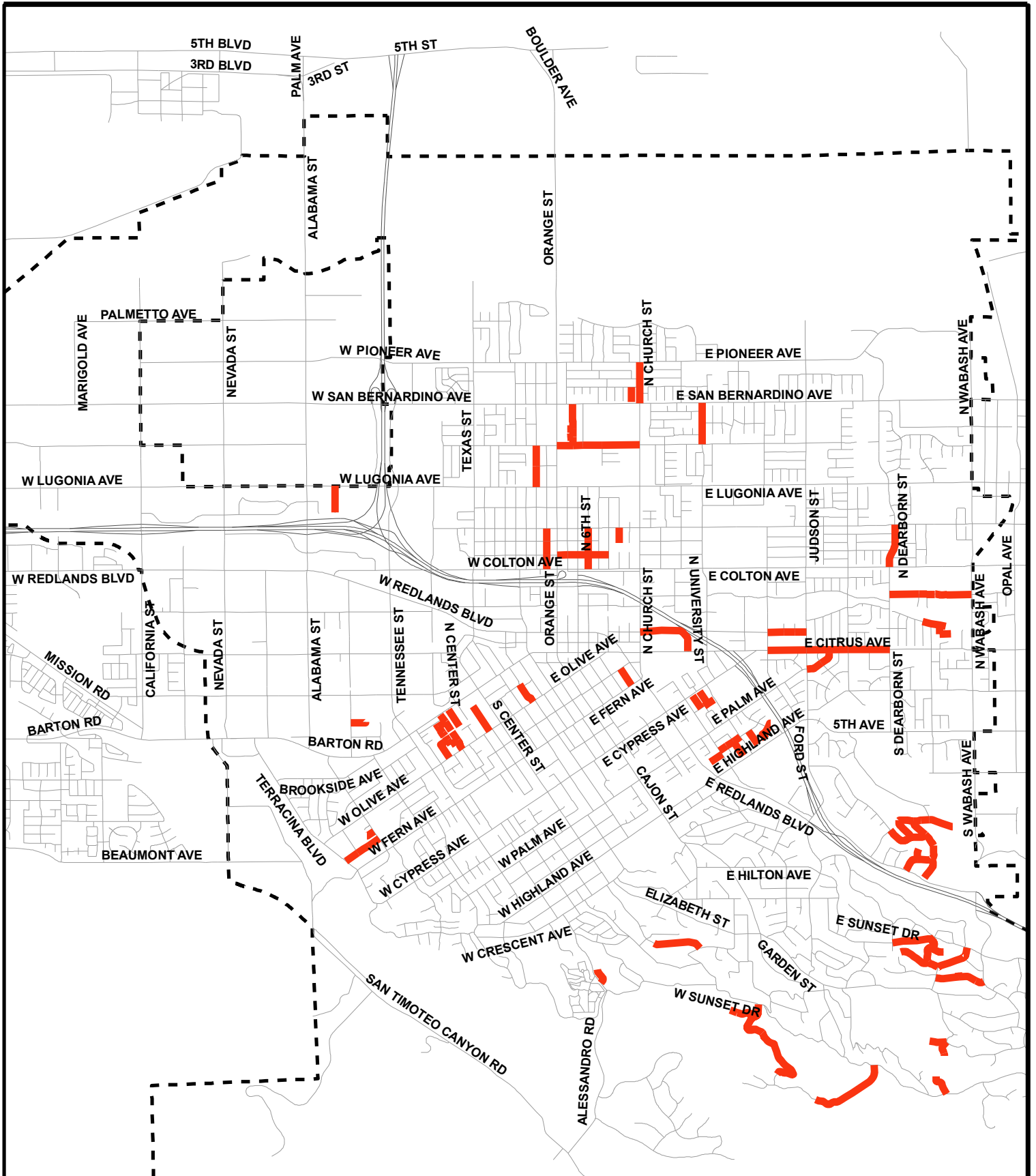
-  Fire Protection
-  City of Redlands



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May 24, 2021

FY25_26Potable_FirePro.mxd



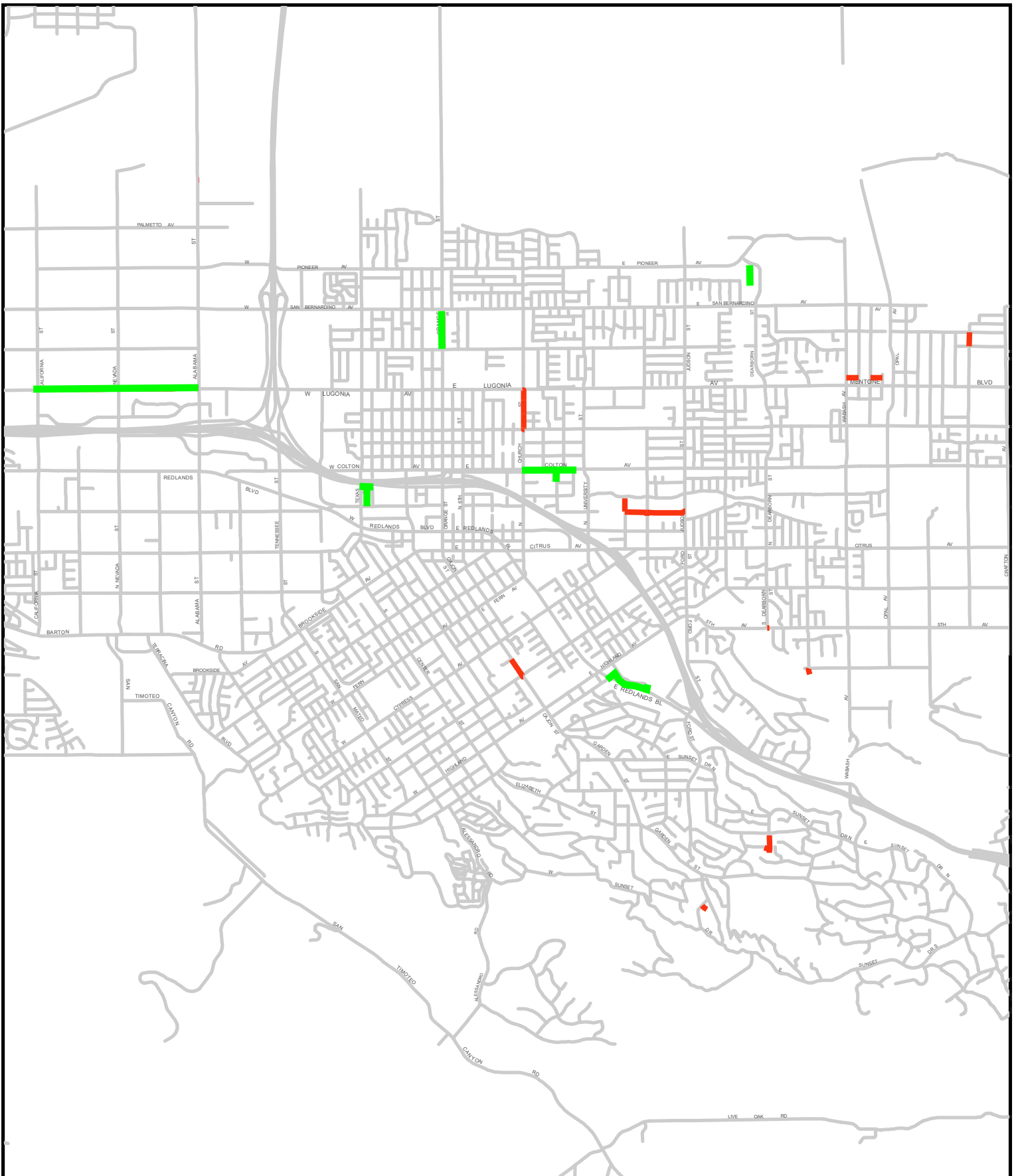
— PMP 2023 PROJECT STREETS

PMP 2023 STREET RESURFACING PROJECT LOCATION MAP



**MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT
CIP PROJECTS LIST**

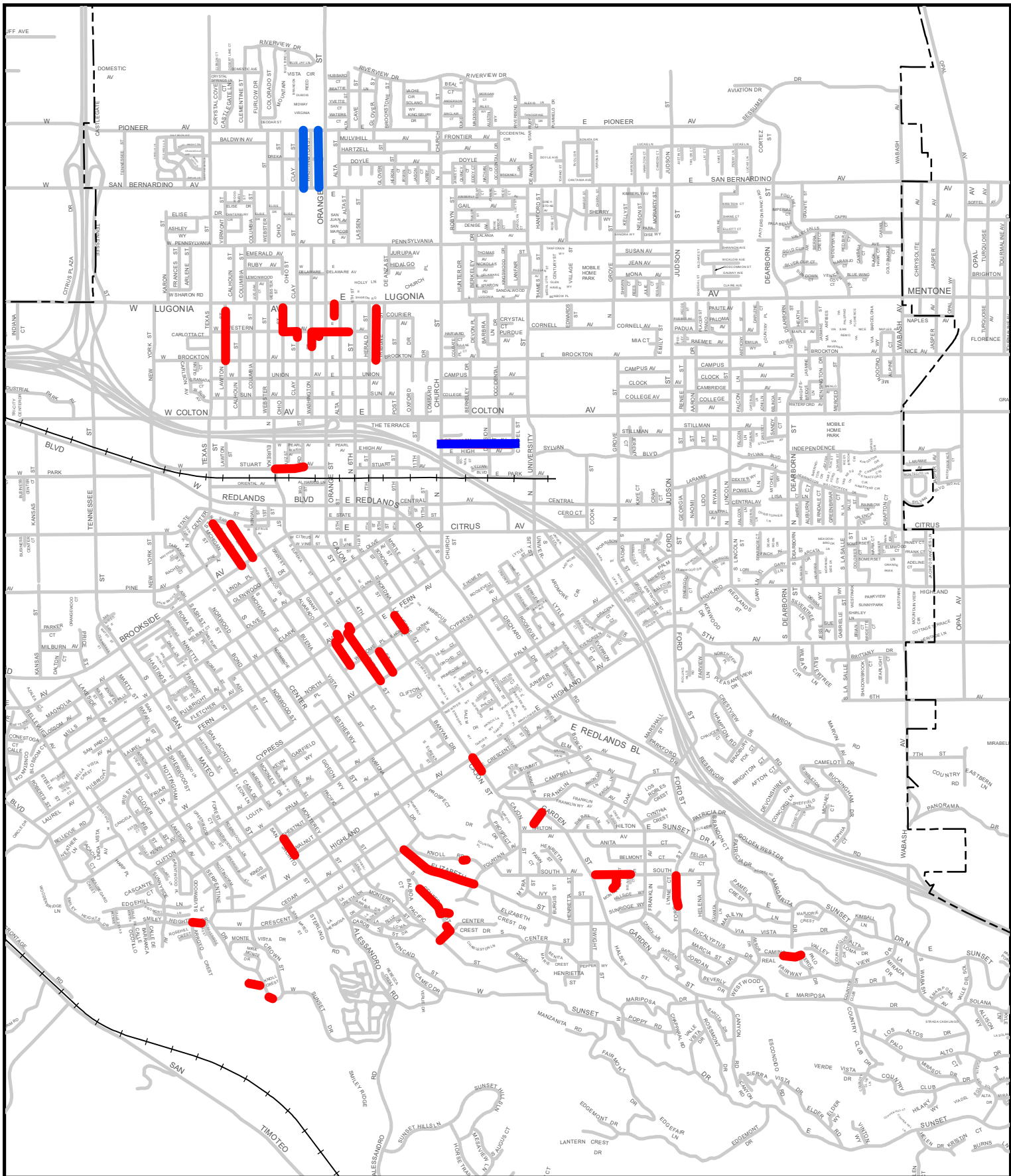
PLANNING		Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	FY 2022-23	FY 2023-24
P1	WATER	501910	501019	HAWC Booster Pump Rehabilitation	PLANNING	0%				\$500,000.00
P2	WATER	501910	501059	Seismic Assessment Improvements - Texas Grove Reservoir	PLANNING	0%				\$2,900,000.00
P3	WATER	501910	501055	Sunset Reservoir Replacement	PLANNING	0%				\$6,000,000.00
P4	WATER	501910	501058	Tate Clarifier Coating & Covers	PLANNING	0%				\$2,560,000.00
P5	ARTERIAL	252400		California Street Widening at Lugonia Ave	PLANNING	0%				\$800,000.00
P6	WATER	501910	501057	WTP Mechanical & Electrical Equipment Replacement	PLANNING	0%				\$180,000.00
P7	WATER	501910	501007	Agate #2 Well Rehabilitation	PLANNING	20%		Paul	\$175,000.00	
P8	WATER	501910	501042	Tank Mixers	PLANNING	15%		Paul	\$150,000.00	\$150,000.00
Planning Projects - Cost Summary									\$325,000.00	\$13,090,000.00
DESIGN		Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget	
D1	WATER	501910	501063	2023 CIP Water Pipeline & Highline Replacement	DESIGN	30%	TKE Engineering	Goutam		\$4,400,000.00
D2	GENERAL/PMP	101/211	211009	2023 Alley Paving Improvements	DESIGN	95%		Elva		\$2,100,000.00
D3	WASTEWATER	521910	521030	2023 CIP Sewer Pipeline Replacement	DESIGN	95%		Johana		\$3,000,000.00
D4	WATER	501910	501028	Fixed Generators - Agate, 5th, Texas & Country Club	DESIGN	90%	Brady & Associates	Paul/Veronica	\$507,549.00	
D5	HSIP C10	200400	S400021	Wabash & Highland Ave Enhanced Crosswalk	DESIGN	30%		Veronica	\$250,000.00	
D6	GENERAL FUND	101400	01544	Live Oak Canyon Creek & Oakmont Park Restoration	DESIGN	95%	Huitt-Zollars, Inc.	John	\$1,800,000.00	
D7	WATER	501910	501040	Tate Transmission Line Replacement	DESIGN	60%	Carollo Engineers, Inc.	Paul/John	\$835,549.00	\$1,900,000.00
D8	NON-POTABLE	531910		WWTP Recycled Water Reservoirs Design	DESIGN	90%	Carollo Engineers, Inc.	John	\$734,839.00	
D9	WATER	501910		Hinckley WTP Sludge Press	DESIGN	60%	Dudek	Paul/John	\$700,000.00	
D10	ARTERIAL	252400		California Street Widening at Redlands Blvd	DESIGN	65%	CASC Engineering and Consulting	Gerard	\$231,930.00	
D11	TDA	241400	S241005	2021 Transit Stop Improvement	DESIGN	95%		Veronica/Johana	\$46,340.00	
D12	CRP	240400	C400005	Highland/Redlands Regional Connector - South	DESIGN	95%	KOA Consultants	Veronica	\$752,600.00	
D13	ARTERIAL	252400	252001	Citrus Avenue Widening Project	DESIGN	95%		Elva	\$900,000.00	
Design Projects - Cost Summary									\$6,758,807.00	\$11,400,000.00
BID & AWARD		Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget	
B1	GENERAL	101400	400025	2023 Citywide Sidewalk & ADA Ramp Replacement	BID & AWARD	80%		Elva		\$1,000,000.00
B2	PMP	211910	211008	PMP 2023 Street Resurfacing Project	BID & AWARD	95%		Gerard		\$4,381,606.00
Bid & Award Project - Cost Summary									\$0.00	\$5,381,606.00
CONSTRUCTION		Org Key	PL	Project Name	Project Phase	Progress	Contractor	PM/Inspector	Contract Amount	
C1	WATER	501910	C501064	Water Meter Replacement (Potable/Non-potable) Project	CONST	5%	Ferguson Enterprises, LLC	John/Aaron/Chris		\$6,747,257.96
C2	STORM DRAIN	405400	405003	Mission Zanja Channel Improvements Project	CONST	90%	Harbor Coating & Restoration	Gerard/Chris		\$381,799.00
C3	HSIP C9	200400	F400003	Pedestrian In-Roadway Lights - Alabama/Tennessee	CONST	25%	California Professional Engineering	Veronica/Chris		\$259,245.00
C4	WASTEWATER	521910	521029	2022 CIP Sewer Pipeline Replacement	CONST	90%	CEM Construction Corp	Johana/Daniel	\$3,314,268.00	
C5	GENERAL/PMP/MT	101/211	211007	2022 Alley Paving Improvements	CONST	99%	Onyx Paving Company, Inc.	Elva/James	\$2,082,000.00	
C6	PMP	211910	211006	PMP 2022 Street Resurfacing Project	CONST	99%	Matich Corporation	Gerard/Frannie	\$4,970,068.00	
C7	WATER	501910	501062	2022 CIP Water Pipeline Replacement	CONST	95%	Tryco General Engineering	Gerard/Daniel	\$4,744,111.00	
C8	WATER	501910	501006	Water System SCADA Design & Integration - Phase 2 & 3	CONST	50%	TESCO Controls, Inc.	Paul/Daniel	\$5,579,420.00	
C9	WATER	501910	501006	Automated Metering Infrastructure Project	CONST	25%	Ferguson Enterprises, LLC	Paul/Aaron/Chris	\$783,356.96	
Construction Projects - Cost Summary									\$21,473,223.96	\$7,388,301.96
Project Total Dollars									\$28,557,030.96	\$37,259,907.96



— PROPOSED WATER PIPELINE REPLACEMENT
— WATERLINE COMPLETED
2022 CIP WATER PIPELINE REPLACEMENT PROJECT

LOCATION MAP





2022 CIP SEWER PIPELINE REPLACEMENT PROJECT LOCATION MAP

- Proposed
- Completed

