

CITY OF REDLANDS
MUNICIPAL UTILITIES/PUBLIC WORKS COMMISSION
MEETING AGENDA
MONDAY, FEBRUARY 6, 2023

ADEKUNLE OJO
Chairperson

STEVE STOCKTON
Vice Chairperson

ROBERT MEALS
Commissioner

ZACHARY TRAVIS
Commissioner

THOMAS BREITKREUZ
Commissioner

DAVID GARCIA
Commissioner

CHANDRASEKAR 'CV'
VENKATRAMAN
Commissioner

JOHN R. HARRIS
Municipal Utilities
& Engineering
Director

GOUTAM DOBEY
City Engineer

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

Although the meeting is open to the public, seating has been reduced to allow for social distancing.

To join via Zoom on a computer, laptop, or smart device:
Please visit www.zoom.us, click on *Join a Meeting*
Enter the **Meeting ID 898 9918 5397**, then run the Zoom launcher

To join via Zoom with audio only (cell phone or landline):
Dial **1-877-853-5247**; Enter the **Meeting ID 898 9918 5397**

Should the City lose connectivity on Zoom, we will halt the meeting until it can be restored. In the event the City cannot reestablish Zoom connectivity in a reasonable amount of time, the meeting will be adjourned to a future date.

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 in person, simply raise your hand to speak*
- *To provide comment through Zoom (on a computer, laptop, or smart device), click the "Raise Hand" button and the moderator will unmute you when it is your turn to speak*
- *To provide comment via audio only (cell phone or landline), dial *9 to "Raise Hand" and the moderator will identify you by your area code and last 3 numbers of your telephone number when it is your turn 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 6, 2023

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 5, 2022 Regular Meeting Minutes**

D. COMMUNICATIONS

- a. **Director's Report**

E. NEW BUSINESS

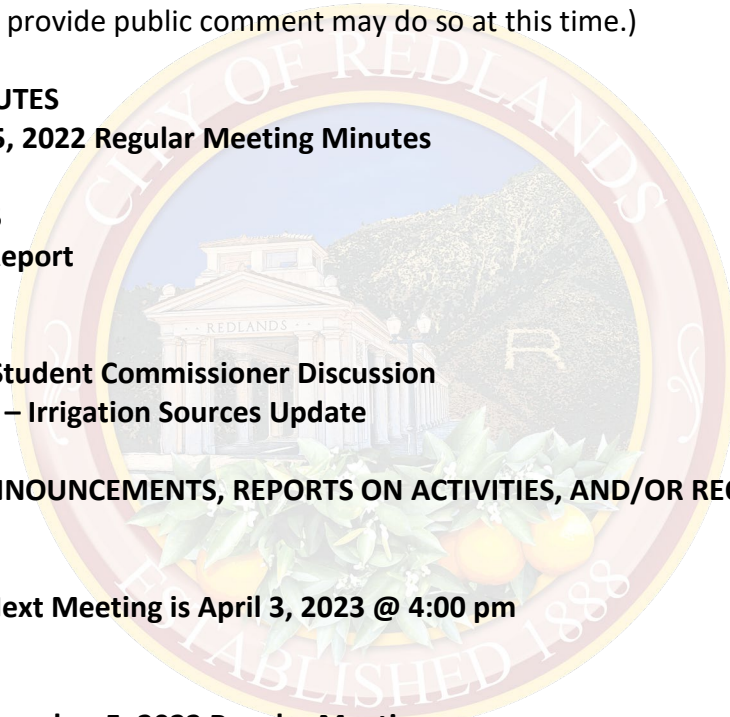
- a. **MUPWC – Student Commissioner Discussion**
- b. **City Groves – Irrigation Sources Update**

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

G. ADJOURNMENT – Next Meeting is April 3, 2023 @ 4:00 pm

ATTACHMENTS:

- 1. Draft Minutes of December 5, 2022 Regular Meeting**
- 2. Director's Report**



DRAFT
(for MUPWC review on 2/6)
MINUTES

Regular meeting of the City of Redlands Municipal Utilities/Public Works Commission on December 5, 2022 at 4:00 PM in the Council Chambers at the Civic Center, 35 Cajon Street. The meeting was an in-person meeting with teleconferencing available via Zoom. Votes were conducted in person and by roll call.

A. ATTENDANCE & CALL TO ORDER

Present: Steve Stockton, Vice Chairperson
David Garcia, Commissioner
Chandrasekar 'CV' Venkatraman, Commissioner
Zachary Travis, Commissioner

Absent: Adekunle Ojo, Chairperson
Thomas Breitzkreuz, Commissioner
Robert Meals, Commissioner

Staff: John Harris, Municipal Utilities & Engineering Director; Goutam Dobey, City Engineer; Johana Silva, Commission Liaison/Assistant Engineer; Mayor Pro Tempore Eddie Tejada; Fernando Mata, Wastewater Operations Superintendent

Vice Chairperson Stockton called the meeting to order at 4:01 PM.

B. PUBLIC COMMENT

None forthcoming.

C. APPROVAL OF MINUTES

On the motion of Commissioner Garcia, seconded by Commissioner Venkatraman, the minutes of the regular meeting of October 3, 2022, were unanimously 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. Mr. Harris mentioned that an acronym list was added to the report and will be continued to be added in future reports.

Updates were provided on the following:

Upcoming City Council Meeting Agenda Items: A list of upcoming City Council agenda items is provided in the report.

DRAFT
(for MUPWC review on 2/6)
MINUTES

City Groves: No updates on the City Groves pending a meeting with Facilities and Community Services (FCS).

Update WWTP P2 Project Update: The City began the reviewal process of the 90% design plans in the first of three (3) workshops.

Sunset Reservoir Replacement - Land Lease Agreement: The City received an updated land appraisal which will be reviewed by Staff and the property owner.

Water Meter Replacement Project: Phase II of the five (5) year project is authorized. Water meters were preordered for this phase to avoid supply chain issues.

PMP Update: The FY 22/23 PMP is currently in design. A preliminary location map is included in the report.

Annual Citywide Sidewalk/ADA Ramp Replacement Project Update: The FY 22/23 project is scheduled for the December 6, 2022 City Council meeting for consideration of the award of contract to Tryco General Engineering.

Well and Booster Pump Rehabilitation Project: The project began mobilization for the second year of the three (3) year project.

Recycled Water Reservoir Engineering: Carollo Engineering is recommending the construction of a single 2.5 MG concrete reservoir instead of two (2) 1.5 MG reservoirs.

Tate WTP Raw Water Influent Pipeline: Carollo Engineering recommended several alignment alternatives including an alignment that will relocate the pipeline off private property and construct the pipeline underground. The Southern California Electric (SCE) system is designed to carry a total capacity of 32 CFS. The Carollo Engineering design meets the total capacity. The pipeline is designed to be four (4) feet below the scour depth. Included in the scope of the project are the environmental documents necessary to complete the project.

Well Perchlorate Treatment Evaluation: City Council will consider approval of the Professional Service Agreement on December 6, 2020. The scope of the project consists of engineering a treatment solution for the groundwater well sites. The original project scope included two (2) pairs of wells for a total of four (4) wells. The project was downsized to one (1) pair of wells due to the cost.

University Street/Brockton Avenue Traffic Signal: The project is on hold until materials are delivered. It is anticipated to begin in January 2023.

Waterline Replacement Project: The Request For Bids was recently received.

Phase II Water Distribution SCADA Upgrade: The design is complete and materials have been ordered.

Orange Blossom Trail Phase 3 Project: Construction is approximately 50% complete.

DRAFT
(for MUPWC review on 2/6)
MINUTES

Alley Paving Project: The design is approximately 25% complete.

Sewerline Replacement Project: The design is progressing and will be out for bid in a few months.

Wastewater Treatment Plant Project Update: Phase 1B is complete. The City will not be receiving the \$45M State Revolving Fund (SRF) loan for Phase 2. The SRF application will roll over to the new cycle for funding consideration.

PARIS Reconciliation: The City is required to report on rate adjustment revenues and other revenues available for street repairs each year. Included in the report is the financial summary which will be reported to City Council in January 2023.

Commission inquiries ensued regarding clarification on the WWRP P2 cost estimate. Mr. Harris clarified the total cost estimate for the WWTP P2 project of \$90M. He stated that \$56M are direct construction costs with the remaining cost being indirect costs including mobilization, price escalation, permitting overhead and construction management. Commissioner Garcia inquired if the PARIS financial summary continues past the 5-year PARIS project. Mr. Dobe clarified that after the completion of the PARIS project, the project changes its name to the Pavement Management Program (PMP). The financial documents reflect the continuation. Discussion continued regarding specific streets to be included in the PMP and its funding source.

The commission continued with questions regarding current plans for the Sunset Reservoir. Mr. Harris explained that Staff is continuing discussions for the land acquisition and exploring a funding opportunity for a grant with a 25% local match to fund the land acquisition, engineering and construction of a 10 MG concrete reservoir. Conversations ensued clarifying the types of repairs in the Sewerline Replacement Project which will include slip line, spot repair and replacement of pipes. Commissioner Stockton ask for the consideration of a left turn bay on the northbound and southbound approaches at Brookside Avenue and Center Street. Mr. Harris clarified that the intersection is included in the Citywide Left-Turn Pocket Study.

E. NEW BUSINESS

a. Commissioner Term Renewals

Mr. Harris informed the commission that City Council approved the reappointments of Steve Stockton and Chandrasekar Venkatraman to each serve second terms on the Municipal Utilities/Public Works Commission.

b. Nominations & Elections – MUPWC Chair (1 year term)

The selection of Chairperson for the Commission is conducted annually. Vice Chair Stockton entertained nominations from commissioners. **Commissioner Garcia made a motion to nominate Commissioner Ojo as Chairperson, seconded by Commissioner CV. The motion carried 4-0 with a roll call vote.**

c. Nominations & Elections -- MUPWC Vice Chair (1 year term)

DRAFT
(for MUPWC review on 2/6)

MINUTES

The annual selection of Vice Chairperson for the Commission was conducted. Acting Vice Chair Stockton entertained nominations from commissioners. **Commissioner CV made a motion to nominate Commissioner Stockton as Vice Chairperson, seconded by Commissioner Garcia. The motion carried 4-0 with a roll call vote.**

d. MUPWC – Student Commissioner

Mr. Harris open the discussion to having a student commissioner on the MUPWC. Currently, the student commissioner position is not listed in the municipal code, however this item can be presented to City Council. Commissioner CV stated that students may want to serve the community. Additionally, serving on the commission may bring interest to the subject matter. Ms. Silva clarified that student commissioners on other City commissions must be a member of the junior class of a high school located in Redlands. Mr. Harris stated that Staff will research the process of adding a student commissioner and bring back the item at the next commission meeting.

e. City Groves – Irrigation Sources

Mr. Harris gave an update on the two Palmetto Avenue groves located by the City landfill. The City received a response from the State regarding the application to convert the Palmetto groves to recycled water. The State has inquired about how the groves will be disconnected from potable water and where the groves will be connected to recycled water. The two groves would reduce thirty-five (35) to fifty (50) acre-feet of water from the potable water system. Transitioning City groves to the recycled water system will be a long-term project. Mr. Harris explained that the finances for the groves are divided between FSC and MUED creating disparity in the amount of water usage in each grove. The City has been gathering irrigation data to determine the individual groves' water usage.

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:

Multiyear Plans Overview – Dedicate a meeting before the fiscal year to the overview of all multiyear plans.

Student Commissioner – Requirements and the process for adding a student commissioner to MUPWC.

Ms. Silva commented that the annual report presentation to City Council will be March 7, 2023. Mr. Harris stated that a draft report will be made available to the commission at the next meeting.

G. ADJOURNMENT – Next regular meeting is February 6, 2022 at 4:00 PM

There being no further business the meeting adjourned at 4:49 PM. The next regular meeting of the City of Redlands Municipal Utilities/Public Works Commission is scheduled for February 6, 2022.



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 30, 2023

SUBJECT: February 6, 2023 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

- OBT 3 Construction Contract Extension (February 7)
- Sunset Reservoir Environmental Study Agreement (February 21)
- Traffic & Parking Commission Annual Report (February 21)
- Redlands Country Club Drainage Study (February 21)
- Hydraulic Telescoping Crane Purchase (February 21)
- On-Call Concrete Contract Award (March 7)
- Kansas/State 4-Way Stop Sign Approval (March 7)
- 2023 Inland Solar Challenge (March 7)

Student Commissioner

There are a couple options for adding a Student Commissioner to the MUPWC: 1) Restricted to High School students, and 2) Open to University students. Both options would require an amendment to Chapter 2.38 of the RMC. The Human Relations Commission, Traffic and Parking Commission, and the Parks and Recreation Advisory Commission include Student

Commissions. The Redlands Municipal Code (RMC) includes similar membership language for each of these commissions. Here is an example for the Human Relations Commission:

*“The human relations commission shall consist of nine (9) members who shall each, with the exception of the student member, serve for a four (4) year term and until his or her successor is appointed. Vacancies on the commission shall be filled by members of the city council on a rotational basis and the term of a commissioner appointed to fill a vacancy shall be for a four (4) year period. No person shall serve more than two (2) consecutive terms unless appointed to an additional term by a four-fifths (4/5) vote of the city council. The commission members shall serve without compensation, shall each be a resident of the city, with the exception of the student member, and shall be neither a member of any other standing commission, board or committee of the city nor an employee thereof. **One commission member appointed by the city council shall be from the junior class of a Redlands high school. The student member's term shall be for one year, beginning January 1 when the student is a junior and ending December 31 when the student is a senior. The student member shall be considered one of the nine (9) members of the commission with full voting powers.** Five (5) members of the commission shall constitute a quorum. (Ord. 2895 §1, 2019)”*

These Student Commissioners are appointed by the City Council to serve one (1) year terms beginning January 1 of their Junior year and ending December 31 of their Senior year of High School, have full voting powers, and their meeting attendance is counted when determining a quorum. The intent of this concept is to expose High School students to local government participation and to enhance their resume and college application. The City Manager’s Office works with local High School Guidance Counselors to advertise these and fill these positions.

If the MUPWC wishes to allow University students to apply for a Student Commissioner position, the Commission would need to formally justify the reasons for this recommendation to the City Council and the following questions should be considered:

1. Would the position be open to all college students or restricted to local colleges within a defined area?
2. For how long would the Student Commissioner serve?
3. What qualifications are important to the MUPWC?
4. Does the MUPWC have suggestions for advertising this position?

In either case, adding a Student Commissioner would increase the total MUPWC membership to eight (8) with the potential for tie vote(s). This could be resolved by delaying the Student Commissioner appointment until a future vacancy exists. Alternatively, the RMC could be amended to increase the MUPWC membership to nine (9), including a Student Commissioner. As you know, the MUPWC duties are very technical in nature. I encourage you to discuss and carefully consider the merits of adding a Student Commissioner prior to developing a City Council recommendation. It would also be appropriate to solicit input from the City Council’s liaison to the MUPWC.

Annual City Council Report

The MUPWC annual report to the City Council is scheduled for March 7, 2023. In lieu of in-person presentations, which are limited to ten (10) minutes, commissions and committees may submit written reports. A draft presentation is provided as Attachment “B”.

City Groves Irrigation Sources

The City anticipates Title 22 approval to transition the Palmetto Grove to recycled water irrigation soon. MUED submitted retrofit plans and a Title 22 Engineering Report to the Water Board in early-November. The Water Board’s review is anticipated to be longer than typical since the recycled water will irrigate edible crops. This will reduce the potable water system burden by approximately 40 – 50 AFY. The Prospect Park Grove is the next most likely candidate for a transition to a non-potable water irrigation source. MUED and FCS are meeting on January 31 to review the City Grove irrigation analysis and discuss opportunities to transition additional groves to non-potable water irrigation sources.

Update WWTP P2 Project Update

Parsons Engineering continues to develop and refine the WWTP Improvement Project Phase 2 design, and has made significant progress toward completion of the following design elements:

Task 1 – Conduct Facility Condition Assessment	P1 = 100%/P2 = 99%
Task 2 – Develop Multipurpose Project Report/Implementation Plan	100% Complete
Task 3 – Provide Engineering Design Services	P1 = 100%/P2 = 90%
Task 4 – PM, Communication, QC	P1 = 100%/P2 = 90%

MUED submitted a \$45M State Revolving Fund (SRF) loan application for construction of these improvements prior to the December 31, 2021 and recently learned that the application was not selected for full or partial funding. The application will be reconsidered during the next SRF cycle. 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 evaluating opportunities to fund and construct the project in phases.

Sunset Reservoir Replacement – Land Lease Agreement

A new land appraisal by a mutually agreed upon consultant is currently underway. MUED is preparing a \$24M grant application to fund the Sunset Reservoir Replacement Project. If awarded, the funding may be used for engineering, permitting, and construction of a 10 MG concrete reservoir.

Water Meter Replacement Project

We have begun a five (5) 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) hardware for use in the future. Ferguson recently completed Phase I of the project, which replaced all non-potable and large diameter meters.

Phase II (FY 22/23) of the project began on January 30 and will focus on residential and small diameter commercial water meter replacements and AMI hardware retrofits. Prior to ordering water meters, MUED staff physically audits each location to confirm the type and size of each water meter. An updated Project Location Map is included as Attachment "C".

PMP Update

MUED is currently preparing construction plans for the FY 22/23 project. A preliminary project location map is provided as Attachment "D".

Annual Citywide Sidewalk/ADA Ramp Replacement Project Update

MUED recently finalized the FY 22/23 project plans and issued a construction contract to Tryco General Engineering totalling \$945,630. A project location map is provided as Attachment "E".

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 "F". Highlights of current projects are provided below:

1. Multi-Year Well Rehabilitation & Booster Pump Replacements – Four (4) potable water wells and three (3) non-potable water wells are being rehabilitated in FY 22/23. This work is prioritized to occur during our typical low water demand season. Five (5) of these seven (7) wells are currently temporarily removed from service for rehabilitation and the remaining two (2) wells are scheduled for rehabilitation in the near future. Following is a short list of specific groundwater wells scheduled for rehabilitation with this project:
 - a. Task 2.1 - Madeira Well (potable)
 - b. Task 2.2 - Mentone #2 Well (potable)
 - c. Task 2.3 - Well #38 (potable)
 - d. Task 2.4 - Well #39 (potable)
 - e. Task 2.5 - New York Street Well (non-potable)
 - f. Task 2.6 - Well #11 (non-potable)

g. Task 2.7 - Well #36 (non-potable)

2. Recycled Water Reservoir Engineering – This project is underway and Carollo Engineers recently submitted a draft Technical Memo recommending construction of a single 2.5 MG concrete reservoir and several distribution system improvements. Carollo is now executing the 30% Engineering and Survey/Geotechnical scope of work.
3. Tate WTP Raw Water Influent Pipeline Engineering – This project is underway and Carollo Engineers recently submitted the 30% design plans for review.
4. Hinckley WTP Sludge Press Engineering – This project is underway and Dudek recently submitted the 30% design plans for review. MUED is working with Dudek to identify potential construction cost reduction alternatives.
5. Well Perchlorate Treatment Evaluation – A project kick-off meeting was held on January 24.
6. University Street/Brockton Avenue Traffic Signal - Currently in construction. Materials have been ordered. Due to supply chain issues, installation is anticipated to begin in late February 2023.
7. FY 22/23 Waterline Replacement Project – A Construction Contract was recently awarded to Tryco General Engineering. A Project Location Map is provided as Attachment “G”.
8. Phase II & III Water Distribution SCADA Upgrade - Materials have been ordered. Installations began recently and will continue through December 2024.
9. 2022 Orange Blossom Trail Phase 3 Project – Dearth, Inc. is currently constructing this project and is approximately 60% complete.
10. Alley Paving Project – Tryco General Engineering is currently constructing this project and is approximately 60% complete. A project location map is provided as Attachment “H”.
11. Sewerline Replacement Project – MUED staff is currently developing this project and will issue a construction bid notice soon. A preliminary project location map is provided as Attachment “I”.
12. The 2022 HSIP Cycle 8 Ped Heads, 2022 HSIP Cycle 8 EVP, and 2022 Senior Outdoor Dining projects and all currently under construction.

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 – Draft City Council Presentation

C – FY 22/23 Water Meter Replacement Project Location Map

D – FY 22/23 Preliminary PMP Location Map



E – FY 22/23 Sidewalk & ADA Ramp Replacement Project Location Map

F – CIP Status List

G – FY 22/23 Waterline Replacement Project Location Map

H – FY 22/23 Alley Paving Project Location Map

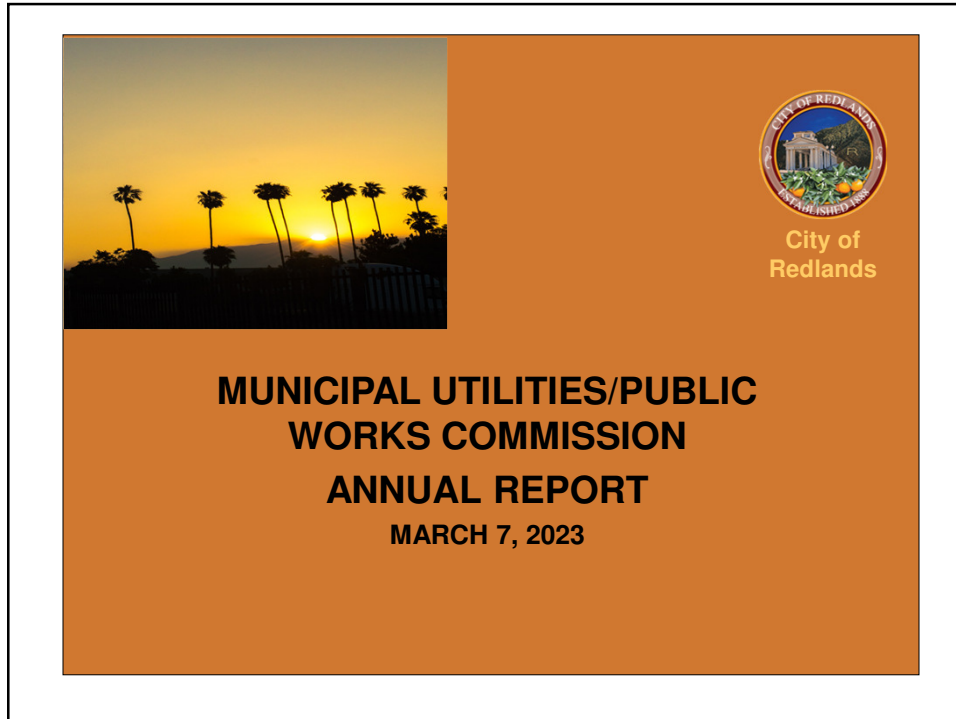
I – FY 22/23 Preliminary Sewerline Replacement Project Location Map

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
BOD	Biological Oxygen Demand
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
CWC	Crafton Water Company
DU	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
FPS	Feet Per Second
FSS	Fire Suppression Storage
FY	Fiscal Year
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

I-10	Interstate 10
I-210	Interstate 210
MCL	Maximum Contaminant 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
PHD	Peak Hour Demand
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
SCADA	Supervisory Control and Data Acquisition
SCE	Southern California Edison
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 Plan




1



**Redlands Municipal Code
Chapter 2.38**

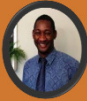






- A resource for City Council, staff, and buffer with the general public
- Knowledgeable of Public Works, Utilities, and Engineering Programs
- Provide advice to City Departments regarding public acceptability of proposed plans, programs, and projects including studies and proposals related to rates and fees charged to the public (water, sewer, solid waste, DIF)

2




MUPWC Membership

The Municipal Utilities/Public Works Commission appreciates the opportunity to be a collective resource for City Council, staff, and the entire Redlands community

Adekunle Ojo	Robert Meals	CV	David Garcia	Steve Stockton	Tom Breitkreuz	Zachary Travis
						
2018	2022	2019	2020	2018	2020	2020

3



2022 Accomplishments

- ✓ Pavement Management Program
- ✓ WWTP Improvement Project – Phase 1B Completed
- ✓ Water Systems & Wastewater System Master Plan Updates
- ✓ Groundwater Well & Booster Pump Rehabilitation Project
- ✓ Waterline Replacement Project
- ✓ Wastewater Replacement & Slip-Lining Projects
- ✓ Water System SCADA Expansion Project
- ✓ Citywide Water Meter Replacement Project

4



2023 Goals

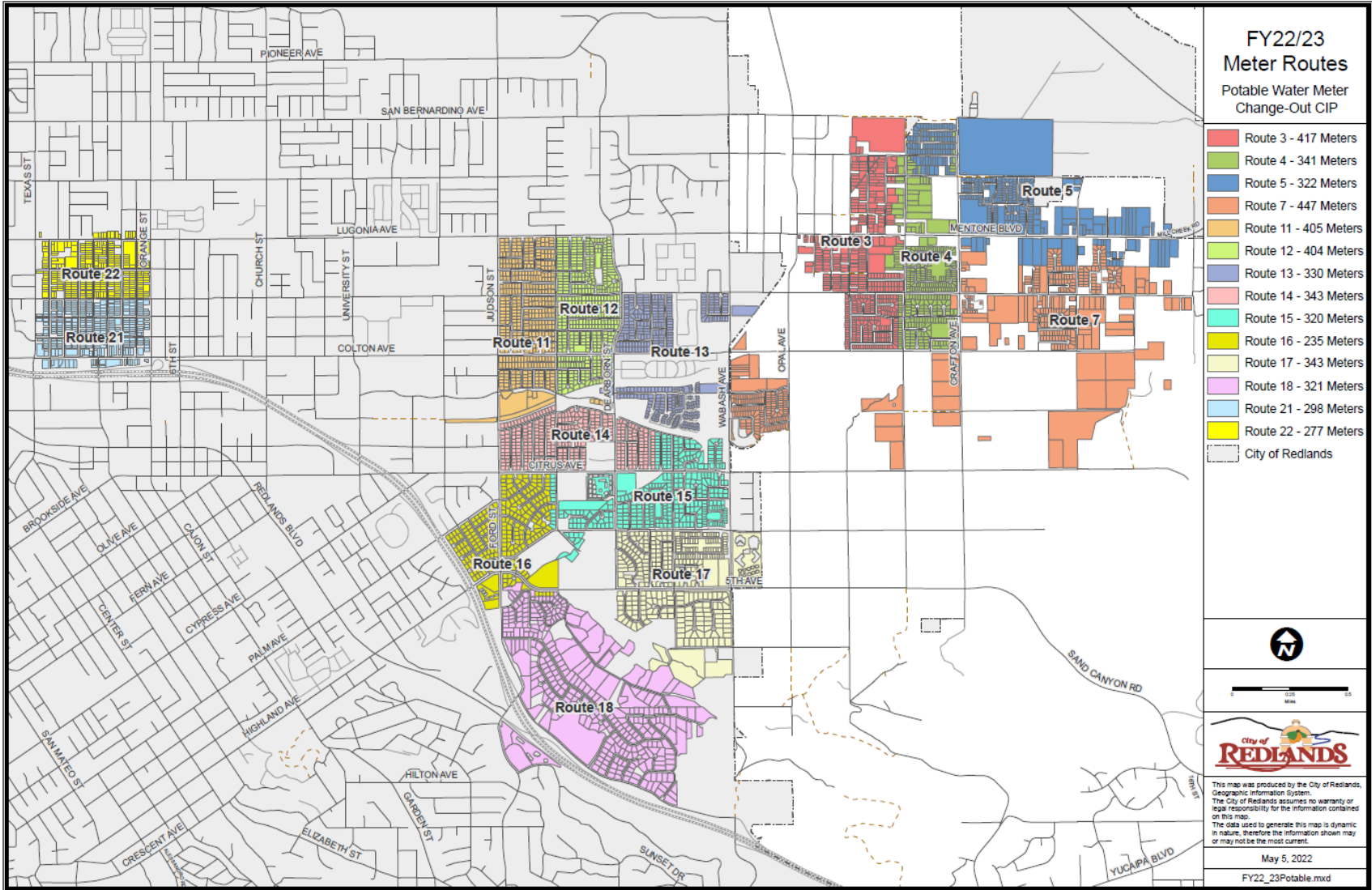
- ✓ Transition to WWTP Improvement Project – Phase 2
- ✓ Implement Utility Planning Document Project Recommendations
- ✓ Continue Groundwater Well Rehabilitation Project
- ✓ Pavement Management Project – 30 Miles
- ✓ Waterline Replacement Project – 3.5 Miles
- ✓ Wastewater Pipeline Replacement Projects – 3.5 Miles
- ✓ Complete Water System SCADA Expansion Project
- ✓ Continue Citywide Water Meter Replacement Project

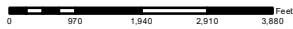
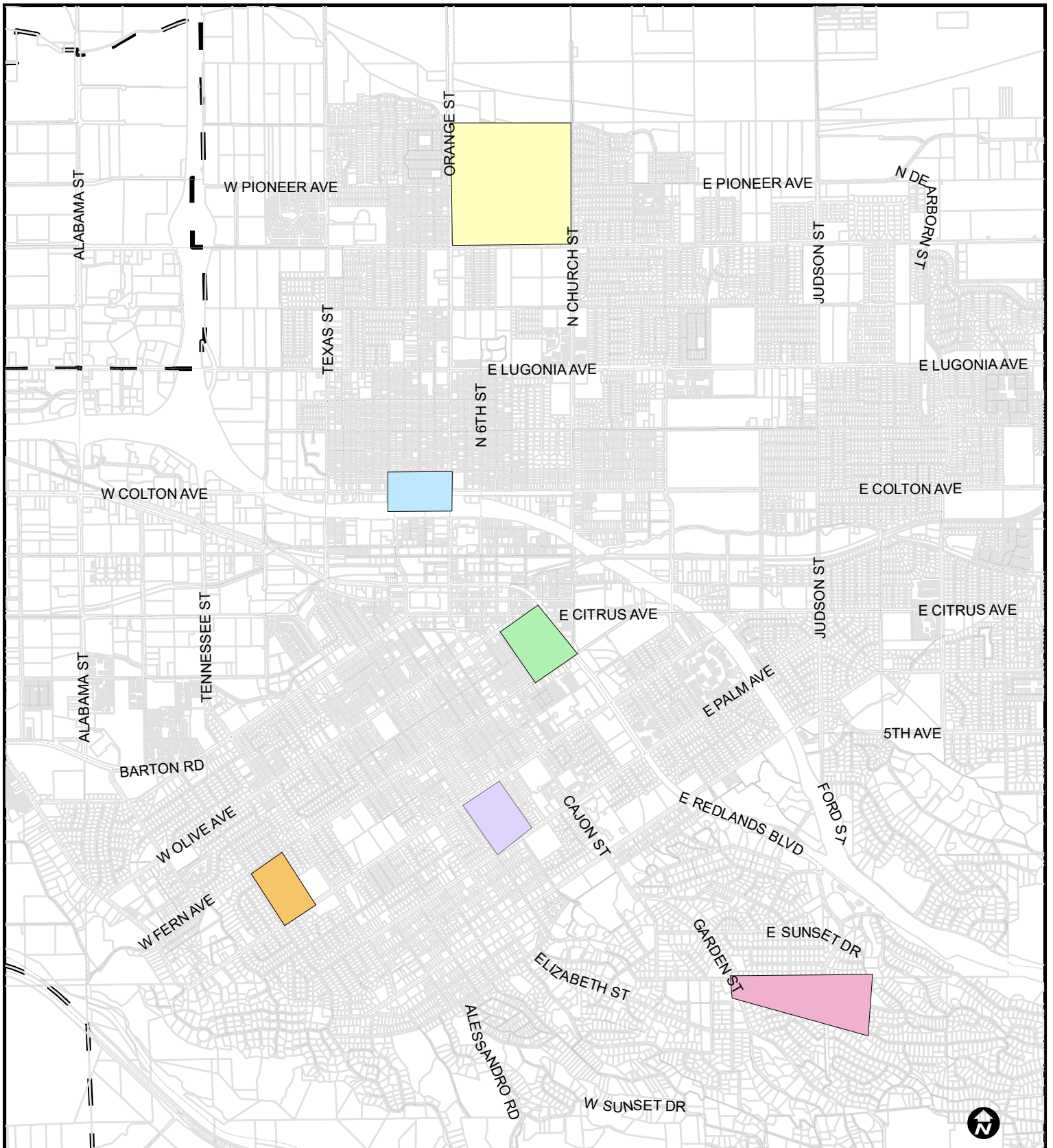
5



Thank You!

6





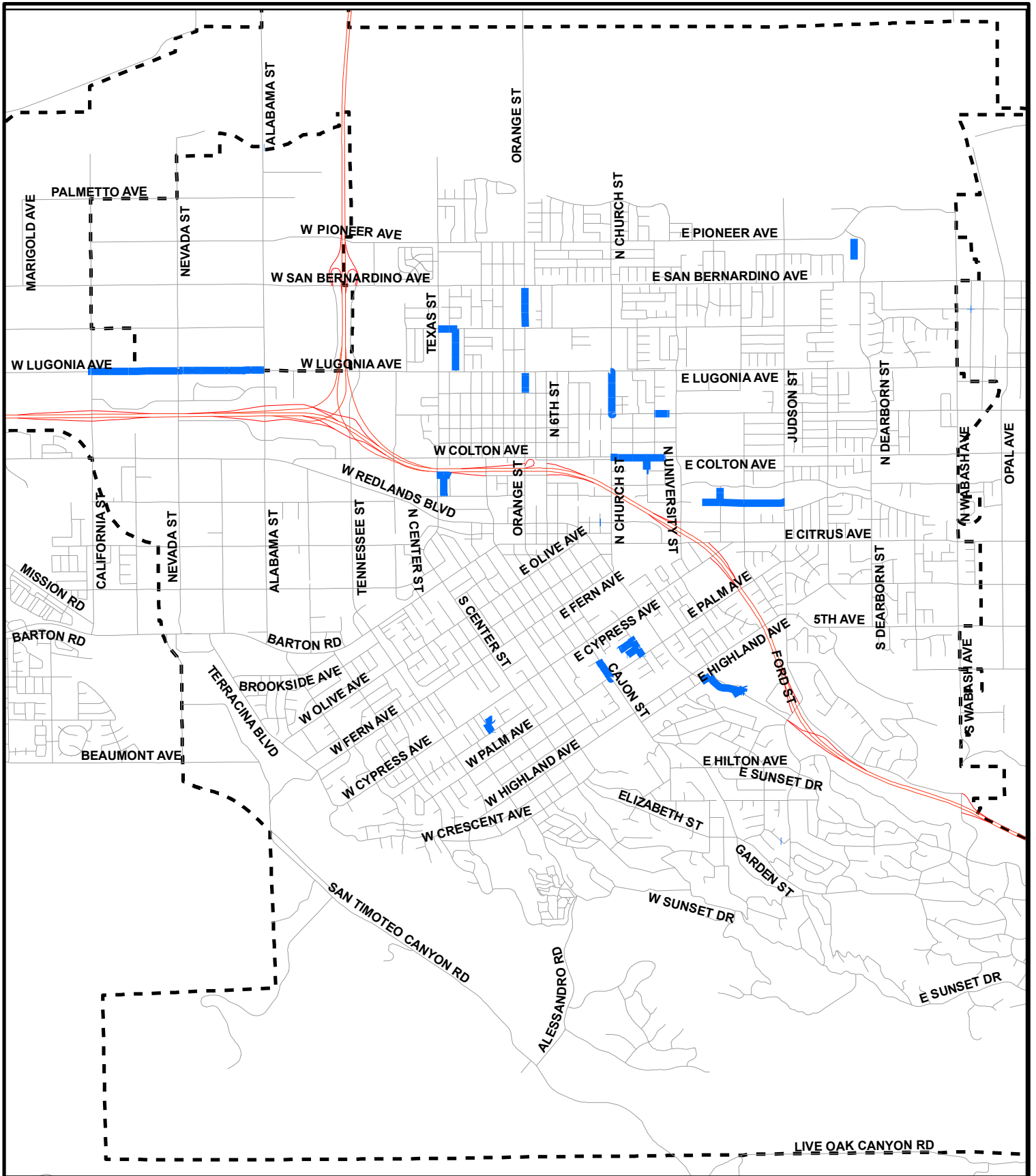
2022 Citywide Sidewalk and ADA Ramp Replacement Project Location Map

Legend:

- Area A
- Area B
- Area C
- Area D
- Area E
- Area F

MUNICIPAL UTILITIES AND ENGINEERING DEPARTMENT
CIP PROJECTS LIST

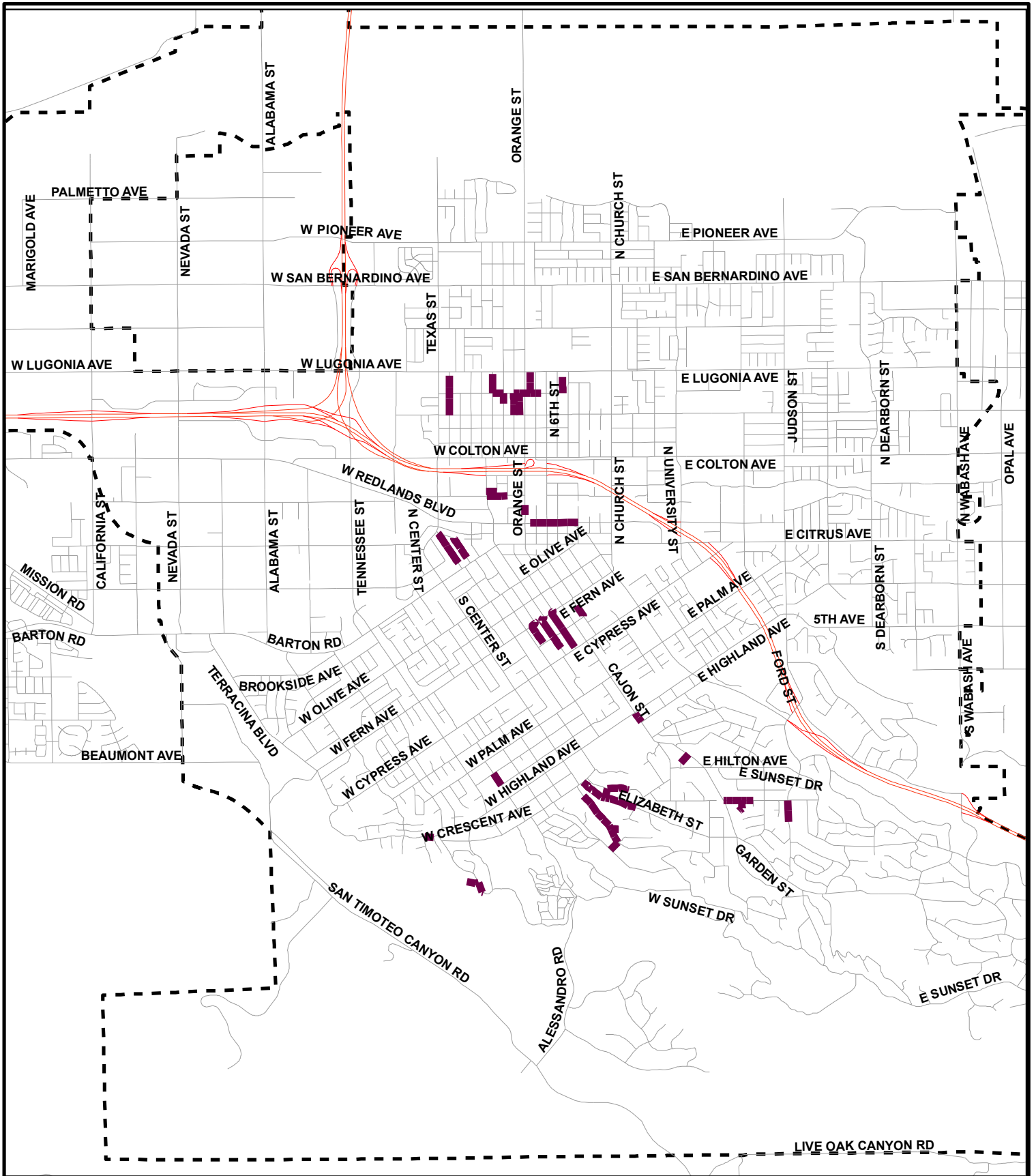
PLANNING										
	Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	FY 2022-23		
P1	HSIP C10	200400	S400021	Wabash & Highland Ave Enhanced Crosswalk	PLANNING	1%		Veronica	\$250,000.00	
P2	WATER	501910	501051	1750 Blend Manifold Replacement	PLANNING	5%		Paul	\$120,000.00	
P3	WATER	501910	501028	Fixed Generators - 5th, Texas & Country Club	PLANNING	5%		Paul	\$100,000.00	
P4	WATER	501910	501053	Hinckley WTP Paving	PLANNING	5%		Gerard	\$350,000.00	
P5	WATER	501910	501007	Agate #2 Well Rehabilitation	PLANNING	5%		Paul	\$175,000.00	
P6	WATER	501910	501042	Tank Mixers	PLANNING	5%		Paul	\$150,000.00	
				Planning Projects - Cost Summary						\$1,145,000.00
DESIGN										
	Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget		
D1	TRAFFIC SIGNAL	243400		Traffic Signal Improvements at Cypress and Cajon	DESIGN	50%	KOA Consultants	Elva	\$600,000.00	
D2	WATER	501910	501910	Hinckley WTP Sludge Press	DESIGN	35%	Dudek	Paul/John	\$700,000.00	
D3	PMP	211910	211006	PMP 2022 Street Resurfacing Project	DESIGN	80%		Gerard	\$4,000,000.00	
D4	WASTEWATER	521910	521029	2022 CIP Sewer Pipeline Replacement	DESIGN	45%		Johana	\$3,000,000.00	
D5	GENERAL/PMP	101/211	211007	2022 Alley Paving Improvements	DESIGN	60%		Elva	\$1,300,000.00	
D6	WATER	501910	501050	Temporary Sunset Reservoir	DESIGN	100%		Veronica	\$2,500,000.00	
D7	WATER	501910	501009	Tate WTP Influent Line Engineering	DESIGN	40%	Carollo Engineers, Inc.	Paul/John	\$835,549.00	
D8	TDA	241400	S241005	2021 Transit Stop Improvement	DESIGN	90%		Veronica/Johana	\$46,340.00	
D9	WATER	501910	501004	Hinckley WTP Backup Generator Replacement	DESIGN	25%		Paul	\$140,000.00	
D10	ATP C2	240400	C400005	ATP Highland/Redlands Regional Connector - Orange St	DESIGN	95%	KOA Consultants	Veronica	\$1,532,843.00	
D11	ARTERIAL	252400	252001	Citrus Avenue Widening Project	DESIGN	90%		Elva	\$900,000.00	
D12	HSIP C9	200400	F400003	HSIP Cycle 9 – Pedestrian In-Roadway Lights	DESIGN	90%		Veronica	\$250,000.00	
D13	ATP C3	200400	C400007	ATP East Valley Corridor Bike Rte Interconnect - Alabama	DESIGN	95%	KOA Consultants	Veronica	\$2,112,000.00	
				Design Projects - Cost Summary						\$17,916,732.00
BID & AWARD										
	Org Key	PL	Project Name	Project Phase	Progress	Consultant/Contractor	PM/Engineer	Current Budget		
				Bid & Award Project - Cost Summary						\$0.00
CONSTRUCTION										
	Org Key	PL	Project Name	Project Phase	Progress	Contractor	PM/Inspector	Contract Amount		
C1	WATER	501910	501062	2022 CIP Water Pipeline Replacement	CONST	1%	Tryco General Engineering	Gerard	\$4,500,000.00	
C2	PMP	211910	211004	SBCounty/Mentone/Redlands Paving Project	CONST	25%	SB County	Goutam	\$78,750.00	
C3	GENERAL	101400	400022	2022 Citywide Sidewalk & ADA Ramp Replacement	CONST	5%	Tryco General Engineering	Elva	\$1,000,000.00	
C4	PMP/GF	101/211	211005	2021 Alley Paving Improvements	CONST	60%	Tryco General Engineering	Elva	\$1,238,000.00	
C5	HSIP C8	200400	F400003	HSIP Cycle 8 - Pedestrian Heads Project	CONST	5%	Econolite Systems, Inc.	Veronica	\$541,682.53	
C6	HSIP C8	200400	F400001	HSIP Cycle 8 - Signal Preemption Project	CONST	98%	AGA Engineers, Inc./Baker Electric	Veronica	\$937,418.00	
C7	TDA	240400	S241001	Orange Blossom Trail - Phase 3	CONST	60%	Deark E&C, Inc.	Gerard	\$782,396.00	
C8	TRAFFIC SIGNAL	253400	253007	Traffic Signal Improvements (Brockton/University)	CONST	5%	Elecnor Belco Electric, Inc.	Elva/Daniel	\$507,745.00	
C9	WATER	501910	501006	Water System SCADA Design & Integration - Phase 2 & 3	CONST	25%	TESCO Controls, Inc.	Paul/Daniel	\$5,579,420.00	
C10	SBCTA	254400	254002	I-10/Alabama Street Improvement (\$15,150,600)	CONST	80%	Ortiz Enterprises, Inc.	Goutam/Daniel	\$2,506,921.00	
C11	WATER	501910	501037	Citywide Water Meter Replacements	CONST	45%	Ferguson Enterprises, LLC	Paul	\$783,356.96	
C12	WATER	501910	501005	Wells and Booster Pump Maintenance	CONST	50%	General Pump Company, Inc.	Paul	\$2,630,561.34	
C13	WASTEWATER	521910	521006	MBR & Digester Improvements Project- Phase 1B	CONST	99%	GSE Construction Co. Inc.	Goutam/Frannie	\$7,311,740.00	
				Construction Projects - Cost Summary						\$28,397,990.83
				Project Total Dollars						\$47,459,722.83



City of **REDLANDS** "A CITY THAT WORKS"

——— PROPOSED WATER PIPELINE REPLACEMENT
2022 CIP WATER PIPELINE REPLACEMENT PROJECT
LOCATION MAP





— PROPOSED SEWER PIPELINE REPLACEMENT

2022 CIP SEWER PIPELINE REPLACEMENT PROJECT LOCATION MAP

