



# City of Rialto

## Regular Meeting - Final

### Water Subcommittee

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Wednesday, November 9, 2022

10:00 AM

Rialto City Hall, Council Chambers, 150 S. Palm  
Ave. Rialto CA 92376

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#### **CALL TO ORDER**

#### **ROLL CALL**

#### **PUBLIC COMMENTS**

#### **REVIEW/APPROVAL OF MINUTES**

[WS-22-985](#) Minutes from the July 27, 2022 Meeting

Attachments: [Meeting Minutes 7-27-2022 .docx](#)

#### **DISCUSSION ITEMS**

[WS-22-1019](#) Update on Lake Rialto Design and CEQA Process.

Attachments: [Lake Rialto WSC 11-09-2022 TJC Edits.pptx](#)

[WS-22-1017](#) Request Water Subcommittee receive and file the Technical Memorandum on the impacts of the City of Rialto 2021-2029 (Sixth Cycle) General Plan Housing Element Update on Water and Wastewater Utilities.

Attachments: [Draft Technical Memorandum.pdf](#)

[WS-22-1025](#) Final Construction Work Authorization to Rialto Water Services in the amount of \$684,304.89 for the Emergency Repair of City Well 4A and the Rehabilitation of Chino Well 2.

[WS-22-1014](#) Update on the Advanced Metering Infrastructure (AMI) Implementation Project.

Attachments: [Attachment 1 - AMI Budget.pdf](#)

[WS-22-1020](#) Update on Wastewater Treatment Plant Projects and Property Reuse

Attachments: [WWTP Uses Presentation.pptx](#)

[WS-22-1013](#) Update on RUA Activities.

#### **UPCOMING MEETINGS/OTHER DISCUSSION ITEMS**

## **ADJOURNMENT**



# City of Rialto

## Legislation Text

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**File #:** WS-22-985, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Water Subcommittee Members

FROM: Thomas J. Crowley, P.E., Utilities Manager

Minutes from the July 27, 2022 Meeting



## **Water Subcommittee Meeting Minutes July 27, 2022 Via Zoom**

Mayor Robertson - Meeting to order: 10:12 am

### **Subcommittee Members / City Staff:**

Mayor Deborah Robertson  
Mayor Pro Tem Ed Scott  
Marcus Fuller, City Manager  
Robert Messinger, Assistant City Attorney  
Tom Crowley, Utility Manager  
Nicole Hemmans, Senior Administrative Analyst  
Angela Perry, Council & City Manager's Executive Assistant

### **Other Attendees**

Steve Dopudja, Consultant  
Peter Lucetti, Table Rock  
Rolf Ohlemutz, Rialto Water Services

Absent  
Sonia Axter, Ullico  
Megan Matson, Table Rock  
June Hayes, Commissioner

**Public Comments:** None

**Minutes:** May 25, 2022– Accepted for the Record

### **UPDATES**

#### **1 WS-22-681 Update on the City of Rialto's Grant Assistance Program - Soto Resources.**

Presented by Jody Soto

#### **Committee Comments/Recommendations**

Recommendation - Tom

- Soto Resources should be kept separate from other proposals.

**Q.** Mayor Robertson would like to know how much the state agency keeps from the funds granted.

- Mayor – Areas should be lined up to the proper zip code, and perhaps look into expanding opportunity zone.



## **2 WS-22-682 Update on the Inland Empire Utility Authority Effluent Agreement and Lake Rialto Design - Dopudja & Wells Consulting.**

Presented by Steve Dopudja

### Committee Comments/Recommendations

#### **Lake Rialto**

Status of the civil site plan – minor modifications were done

- Lake bottom needs to be lowered by 20ft or so
- Added a bunk station to the 60% plans
- Provide a drain, water to go into the lake
- Discussion meeting of modifications will take place in a few weeks

**Q. Mayor** – regarding the lake, will we need to do a ground fill?

The group provided no answer to the Mayor's question.

Mayor was notified about the Brownfield Assessment Grant.

- Grant would allow for training opportunities on hazardous.
  - Currently 25% placement.
- Application for the grant is due August 2, 2022

#### **IEUA Project – Steve**

- Meeting with IEUA is still ongoing.
- IEUA is currently evaluating three pipeline alignments
- Alignment analysis should be complete by August and over to our team for review

**Q. Mayor** – Is this a line item?

Per Steve - yes.

**Q. Mayor** – When would we break ground?

Per Steve – A couple of years

## **3 WS-22-683 Update to Payment Plan and Tax Roll Collection Topic**

Presented/Update by Rolf

### Committee Comments/Recommendations

- Payments plans are getting ready to launch, and have them added to the bills
- Separate letter will be sent out to everybody who is on the plan explaining what the change in the bill is.
  - Letter will be sent to Mayor for review
  - Sewer will not get a payment plan

**Q. Peter** – What happens after you send the letter?

Peter is suggesting the City of Rialto send letters shut down of resources should two or more payments be missed.

**Q. Mayor Robertson** – What are we doing with those that are not paying?

What kind of payment plan would help our residents pay.

**Q. Peter** – I would like to consider shutting residents' water off after three months of delinquency after offering the payment plan.

MPT Scott– Agrees with this suggestion; should residents not consider the payment plan, then follow with tagging their home.

Mayor Robertson – This topic needs to be moved to Council for review.

- Notification Process Discussion
  - Notification will be sent depending on the billing cycle
  - Residents who have not paid in two months will have 60 days to rectify their bill before water shuts off
  - MPT – Look into slumlord algorithms to ensure this is not happening from an individual who may own multiple properties
  - Marcus suggests formalizing or creating a procedure for this process
  - MPT – Policy should include an effective date and be on channel 3, water bill, etc.
  - Marcus – Add to the August 9<sup>th</sup> agenda
  - MPT – Would like to meet with Council to go over the details of this process.
  - Peter will provide Marcus with an overview of the policy/details.

## **DISCUSSION ITEMS**

### **1 WS-22-684 2019-2021 Triennial Review - ARUP Agreement.**

Presented by Peter

#### **Committee Comments/Recommendations**

**Q.** Mayor Robertson – Question to Marcus – How are you keeping dealing with other eyes that monitor the report?

**A.** Marcus – Can they be truly independent? The evaluation wasn't done because of their expertise and familiarity with this process.

**Q.** Mayor Robertson is asking for transparency. Why isn't this available for everybody?

- Peter supports discussing this topic.
- Having others overview this process allows for more solutions
- Per Mayor – She is not worried about the cost; she's more worried about the process.
- Mayor is asking for justification on soul sourcing

### **2 WS-22-709 Information Regarding Mandatory AB1668 and SB606 Compliance and Consent to Contract Eagle Aerial Solutions to Provide Sole Source Software Specifically Developed to Comply with the State of California Water Conservation Legislation.**

Presented by Nicole Hemmans

#### **Committee Comments/Recommendations**

**Q.** Mayor – Who will access this software?

Tom – Will help develop a budget for the RWS service area.

**Q.** Mayor - What can we do to help the residents that have to maintain the right away area in front of a residential area?

- If residents look at the plan it may help them assess what areas need more conservation.

Mayor talks about creating a presentation to present to the Council so they can see what the program will be able to do.

### **3 Final Construction Work Authorization to Rialto Water Services in the amount of \$2,982,691 for the Construction of Riverside Avenue Central Water Improvements Project.**

#### Committee Comments/Recommendations

**Q. MPT** – Do all of these bidders do water lines?

Tom – Yes, they do water and sewer.

- Tom - Total cost for the project would be over 2M.
- Marcus – Street plans are finished and will be out by mid-August.

**Q. Mayor Robertson** – How will this project impact existing sites and projects in that area?

Tom – Recommendations would be to work within to avoid being in the way of the street.

- Tom will coordinate that.
- Committee recommends this topic move to Council

#### Other topics

**Q. Mayor Robertson** - Would you like to know the bigger plan for the sewer facility?

- Concrete is old.
- Would like to know the age of the building.
- Proposing solar panels.
- Time frame and plan would be ideal.

Marcus – Discussion is all part of a master plan.

Mayors Suggestions –

- Surveillance should be available.
- Conserving water by using street water.
- Speed up process.

MPT – Where is the security system?

- Working on improving the system, and how does someone take a porter potty?

#### **Next Water Subcommittee Meetings**

Angie - September 28<sup>th</sup>

**Adjournment:** 12:35 pm.



# City of Rialto

## Legislation Text

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**File #:** WS-22-1019, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Water Subcommittee Members

APPROVAL: Thomas J. Crowley, P.E., Utilities Manager

Update on Lake Rialto Design and CEQA Process.

### **BACKGROUND**

#### ***Lake Rialto Update***

Status of Civil/Site Plans.

- Review final Grading and Civil Design.
- Landscape and Planting Design.
- List of Landscape Plants and schedule to grow.
- Location of Restrooms and Picnic Tables, with samples.
- Parking Alternative.

#### **CEQA**

- Studies are being completed: Air Quality, Biological, Cultural, and Traffic.
- December - Draft Initial Study/Mitigated Negative Declaration Submitted (IS/MND) for Review
- Jan/Feb - Draft IS/MND Out for Public Review and Comment
- March - Finalize IS/MND

#### **Grant funding**

- Provide update of funding opportunities.

### **FINANCIAL IMPACT**

#### **Operating Budget Impact**

Unknown at this time.

#### **Capital Improvement Budget Impact**

Pursuing grant funding opportunities. Current status:

- SWRCB Earmark Funds (Levey) \$1.05 M
- SAWPA Prop 1 Round 2 - \$2.14 M
- Federal Earmark (Aguilar) \$2.0 M
- Total Project Cost is \$8 M.

**RECOMMENDATION**

Staff recommends Water Subcommittee to receive update on Lake Rialto Design and CEQA process.

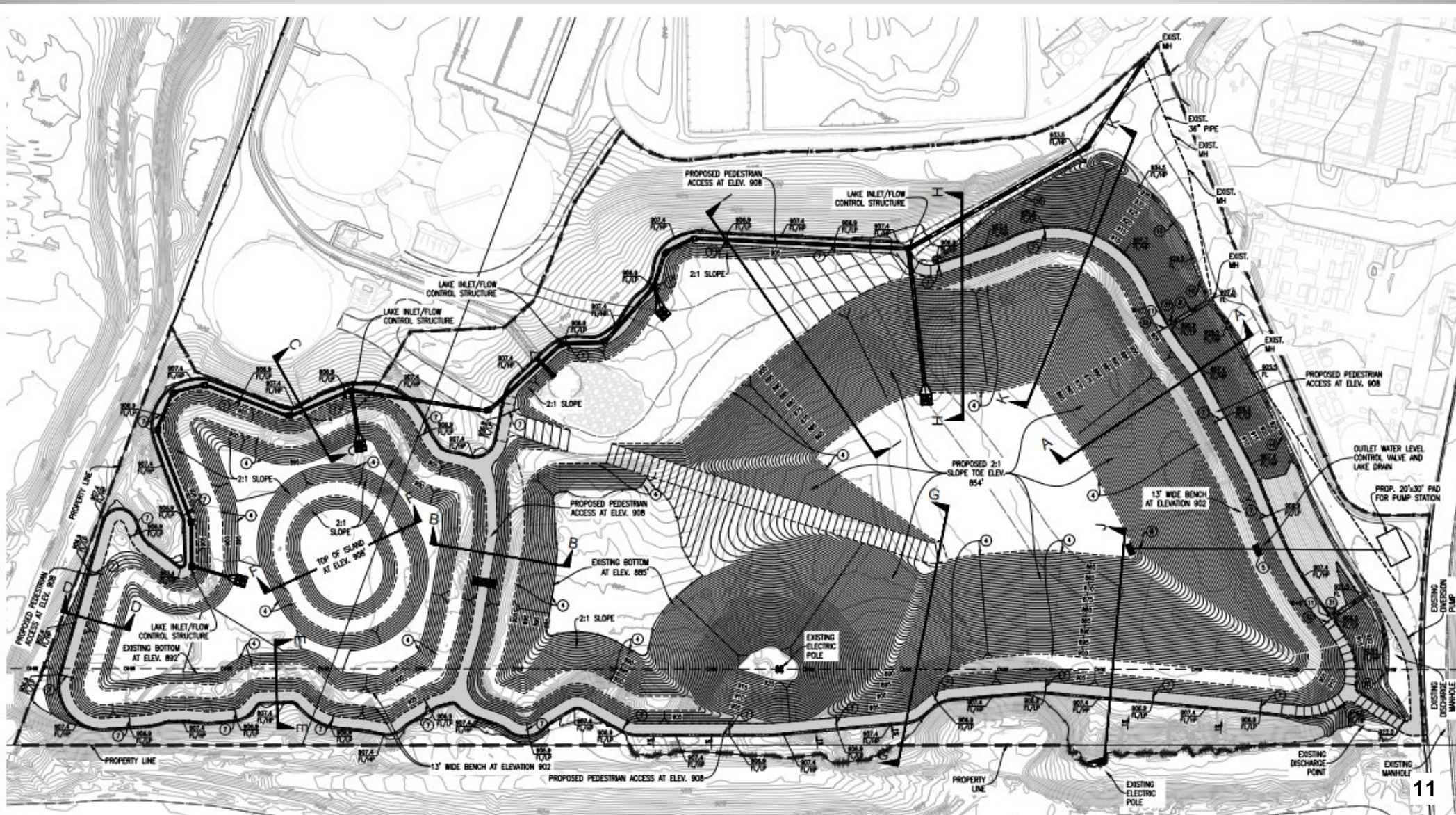


# Lake Rialto Water Subcommittee Update

November 9, 2022

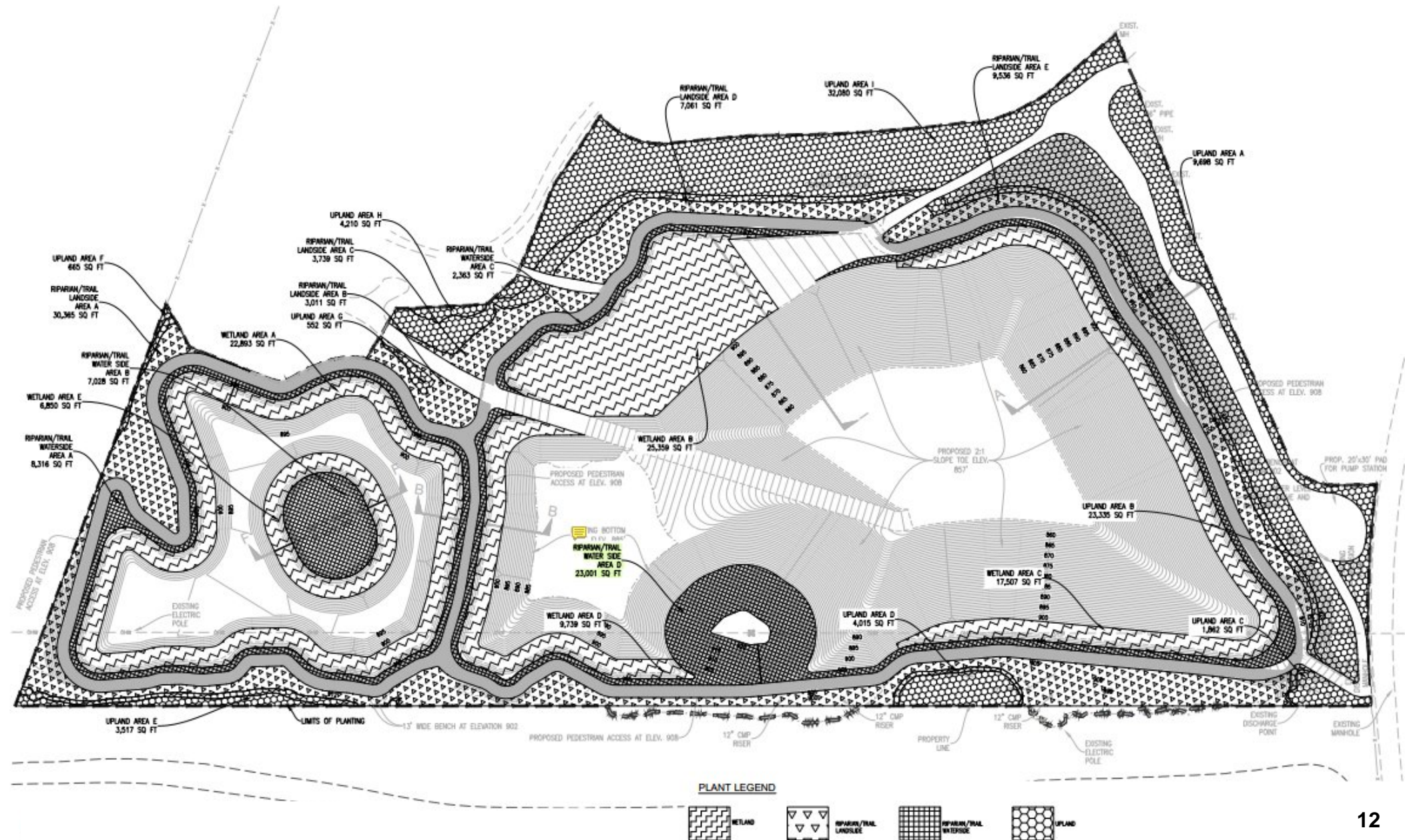


# Lake Rialto – Final Grading and Civil Design





# Lake Rialto – Landscaping and Planting Design





# Lake Rialto – Landscaping and Planting Design

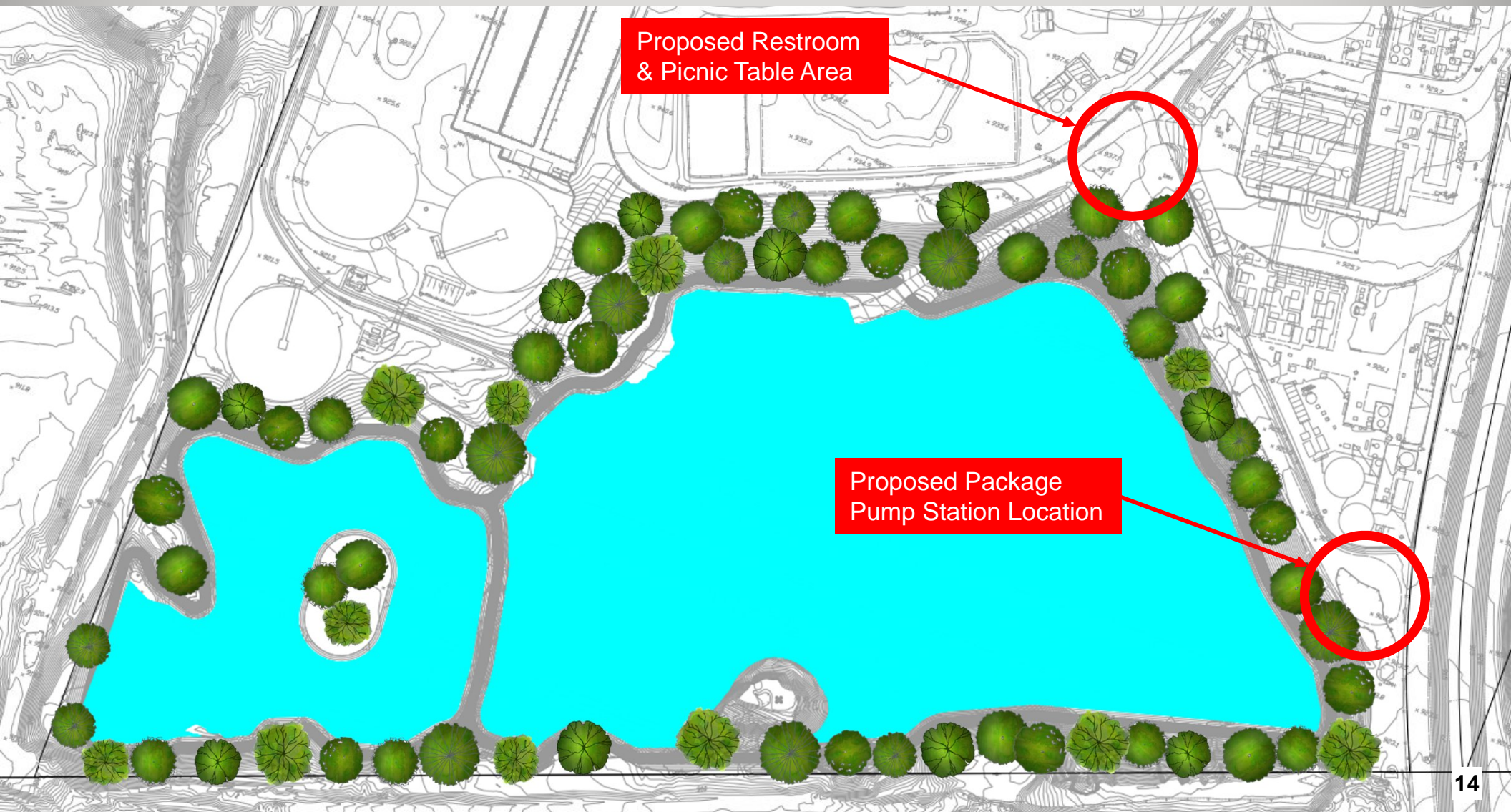
Lake Rialto Habitat Management and Community Open Space Project - Plant Palette Options<sup>1</sup> (Common name **bolded**)

| Scientific Name                         | Common Name                       | Growth        | Zone                       | Quantity | Container | Description   |
|---|-----------------------------------|---------------|----------------------------|----------|-----------|---|
| <b>Trees</b>                            |                                   |               |                            |          |           |   |
| Populus fremontii                       | <b>Fremont cottonwood</b>         | Fast          | Riparian/Trail - Landside  | 60       | TP 14     | tree native to CA. 39- 115 ft tall, 35 ft wide. Moisture: moderate – high. <a href="#">Plant 15' o.c. evenly mixed across zone.</a>   |
| Alnus rhombifolia                       | <b>White alder</b>                | Fast          | Riparian/Trail - Landside  | 60       | TP 14     | tree native to CA. 49 - 82 ft tall, 35 ft wide. Moisture: moderate – high. <a href="#">Plant 15' o.c. evenly mixed across zone.</a>   |
| Salix laevigata var. araquipa           | <b>Red willow</b>                 | Fast          | Riparian/Trail - Landside  | 60       | TP 14     | tree native to CA. 30 - 50 ft tall, 30 - 50 ft wide. Moisture: moderate – high. <a href="#">Plant 15' o.c. evenly mixed across zone.</a>  |
| Salix exigua var. hindsiana             | <b>Sandbar willow</b>             | Fast/Moderate | Riparian/Trail - Waterside | 95       | TP 14     | tree native to CA. 16 ft tall. Moisture: moderate – high. <a href="#">Plant 12' o.c. evenly mixed across zone.</a>  |
| Salix lasiolepis                        | <b>Arroyo willow</b>              | Fast/Moderate | Riparian/Trail - Waterside | 95       | TP 14     | tree native to CA. 7 - 35 ft tall, 15 ft wide. Moisture: moderate – high. <a href="#">Plant 12' o.c. evenly mixed across zone.</a>  |
| Salix gooddingii                        | <b>Black willow</b>               | Fast/Moderate | Riparian/Trail - Waterside | 95       | TP 14     | tree native to CA. 15 - 40 ft tall, 25 ft wide. Moisture: moderate – high. <a href="#">Plant 12' o.c. evenly mixed across zone.</a>   |
| Acer macrophyllum                       | <b>Bigleaf maple</b>              | Fast          | Riparian/Trail - Landside  | 60       | TP 14     | tree native to CA. 30 – 115 ft tall, 65 ft wide. Moisture: moderate – high. <a href="#">Plant 15' o.c. evenly mixed across zone.</a>  |
| Umbellularia californica                | <b>Bay laurel, California bay</b> | Moderate      | Upland                     | 250      | TP 14     | evergreen tree native to CA. 6 - 80 ft tall, 3 - 30 ft wide. Moisture: low. <a href="#">Plant 15' o.c. 70% of zone w/CA juniper.</a>  |
| <b>Flowering Shrubs/Broadleaves</b>     |                                   |               |                            |          |           |   |
| Juniperus californica                   | <b>CA juniper</b>                 | Moderate/Slow | Upland                     | 110      | TP 14     | evergreen tree/shrub native to CA. 10 – 26 ft tall, 20 ft wide. Moisture: very low. <a href="#">Plant 15' o.c. 30% of zone w/Bay laurel.</a>  |
| Eriodictyon trichocalyx                 | <b>Yerba Santa</b>                | Fast          | Upland                     | 103      | TP 14     | evergreen shrub native to CA. 3 - 7 ft tall, 2 - 6 ft wide. Moisture: extremely low, very low. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>   |
| Eriogonum fasciculatum                  | <b>CA buckwheat</b>               | Fast/Slow     | Upland                     | 103      | TP 14     | evergreen shrub native to CA. 1 - 7 ft tall, 3 ft wide. Moisture: extremely low, very low. Important for pollinators/native insects. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>   |
| Lepidospartum squamatum                 | <b>CA broom sage</b>              | Slow          | Upland                     | 103      | TP 14     | shrub native to CA. 6.6 ft tall. Moisture: low. Yellow flowers, in aster family. Important for pollinators/native insects. <a href="#">Plant 10' o.c.</a>   |
| Ceanothus thyrsiflorus                  | <b>Blueblossom</b>                | Fast/Moderate | Upland                     | 103      | TP 14     | tree or shrub native to CA. 2 - 30 ft tall, 2 - 40 ft wide. Moisture: low. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>   |
| Adenostoma fasciculatum                 | <b>Chamise</b>                    | Slow          | Upland                     | 103      | TP 14     | tree or shrub native to CA. 3 – 13 ft tall, 1 - 8 ft wide. Moisture: extremely low, very low. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>  |
| Quercus dumosa                          | <b>Nuttall's scrub oak</b>        | Slow          | Upland                     | 103      | TP 14     | evergreen shrub native to CA. 3 - 10 ft tall, 8 - 10 ft wide. Moisture: low. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>   |
| Rhus ovata                              | <b>Sugar bush, Sugar sumac</b>    | Fast          | Upland                     | 103      | TP 14     | evergreen shrub native to CA. 7 - 33 ft tall, 30 ft wide. Moisture: very low. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>  |
| Artemisia californica                   | <b>CA sagebrush</b>               | Fast          | Upland                     | 103      | TP 14     | shrub native to CA. 1 - 8 ft tall, 4 ft wide. Moisture: extremely low, very low. Moisture: very low. Yellow flowers, in aster family. Important for pollinators/native insects. <a href="#">Plant 10' o.c. evenly mixed across zone.</a>      |
| Eriastrum densifolium ssp. sanctorum    | <b>Santa Ana river woollystar</b> | Fast          | Upland                     | 1500     | TB 2      | perennial herb native to CA. Up to 2 ft tall. Listed as endangered, adapted to this environment. Blue to violet-blue flowers. Important for pollinators/native insects and hummingbirds. <a href="#">Plant 5' o.c. in understory patches.</a> |
| Gutierrezia californica                 | <b>CA matchweed</b>               | Fast/Moderate | Upland                     | 1500     | TB 2      | perennial herb or shrub native to CA. 1 - 2 ft tall, 3 ft wide. Moisture: very low. Yellow flowers, in aster family. Important for pollinators/native insects. <a href="#">Plant 5' o.c. in understory patches.</a>                           |
| Sambucus mexicana                       | <b>Mexican elderberry</b>         | Fast          | Riparian/Trail - Landside  | 125      | TP 14     | shrub native to CA. 20 - 30 ft tall, 20 - 30 ft wide. Moisture: low. <a href="#">Plant 12' o.c. evenly mixed across zone.</a>   |
| Baccharis salicifolia                   | <b>Mulefat</b>                    | Fast          | Riparian/Trail - Landside  | 125      | TP 14     | shrub native to CA. 6 - 12 ft tall, 3 - 9 ft wide. Moisture: low. <a href="#">Plant 12' o.c. evenly mixed across zone.</a>  |
| Rosa californica                        | <b>CA rose</b>                    | Fast/Moderate | Riparian/Trail - Landside  | 125      | TP 14     | shrub native to CA. 8 - 10 ft tall, 10 ft wide. Moisture: low, moderate – high. <a href="#">Plant 12' o.c. evenly mixed across zone.</a>  |
| <b>Wetland/Aquatics</b>                 |                                   |               |                            |          |           |   |
| Schoenoplectus acutus var. occidentalis | <b>Tule/hardstem bulrush</b>      | Fast          | Wetland                    | 2700     | 1 Gal     | perennial grass like herb native to CA. 13 ft tall. <a href="#">Plant 4' o.c. evenly mixed in alternating rows.</a>   |
| Schoenoplectus californicus             | <b>CA bulrush</b>                 | Fast/Moderate | Wetland                    | 2700     | 1 Gal     | perennial grass like herb native to CA. 6 - 12 ft tall. <a href="#">Plant 4' o.c. evenly mixed in alternating rows.</a>   |
| Sagittaria latifolia                    | <b>Arrowhead/Tule potato</b>      | Moderate      | Wetland                    | 800      | TB 2      | perennial herb (aquatic) native to CA. 1 - 5 ft tall. <a href="#">Plant 3' o.c. 20% of zone alternating along waterline down 1' depth.</a>  |
| Juncus balticus                         | <b>Baltic rush</b>                | Fast          | Riparian/Trail - Waterside | 1250     | TB 2      | perennial grass like herb native to CA. 3 ft tall. <a href="#">Plant 3' o.c. evenly mixed in alternating rows.</a>  |
| Juncus xiphioides                       | <b>Iris leaved rush</b>           | Fast          | Riparian/Trail - Waterside | 1250     | TB 2      | perennial grass like herb native to CA. 1 - 3 ft tall, 1 - 6 ft wide. <a href="#">Plant 3' o.c. evenly mixed in alternating rows.</a>   |
| Equisetum arvense                       | <b>Common horsetail</b>           | Fast          | Riparian/Trail - Waterside | 1250     | TB 2      | perennial grass like herb native to CA. 1 - 5 ft tall. <a href="#">Plant 3' o.c. evenly mixed in alternating rows.</a>  |

**Landscape palette and quantities have been determined. Local nurseries were contacted regarding contract growing over a 9 to12 month period**



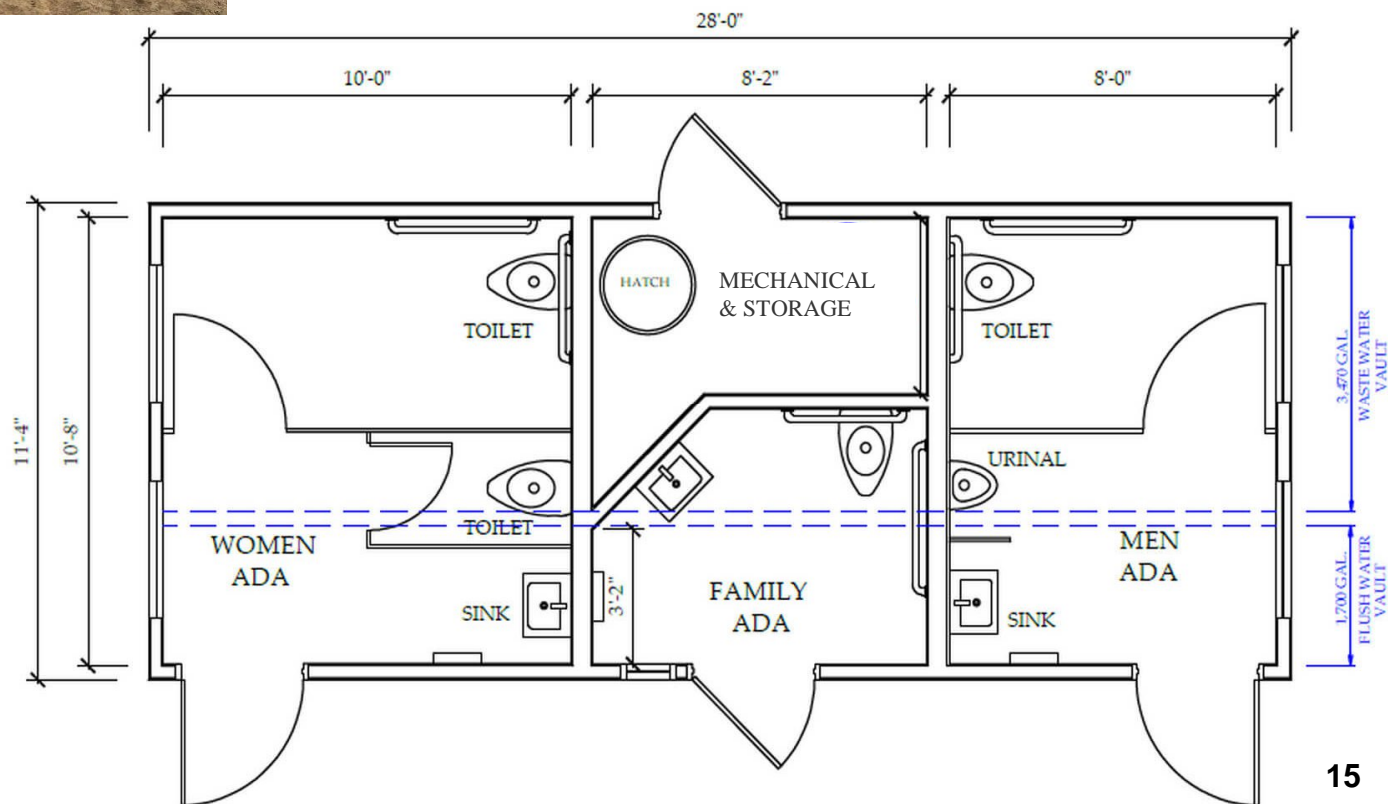
# Lake Rialto – Proposed Restroom, Picnic Tables and Package Pump Station Locations







# Proposed Pre-Fabricated Restroom Layout





# Restroom & Shade – Architectural Alternatives



**SAMPLE -Frisbee Park Shade Structure**



# Lake Rialto – Agua Mansa Parking Alternative



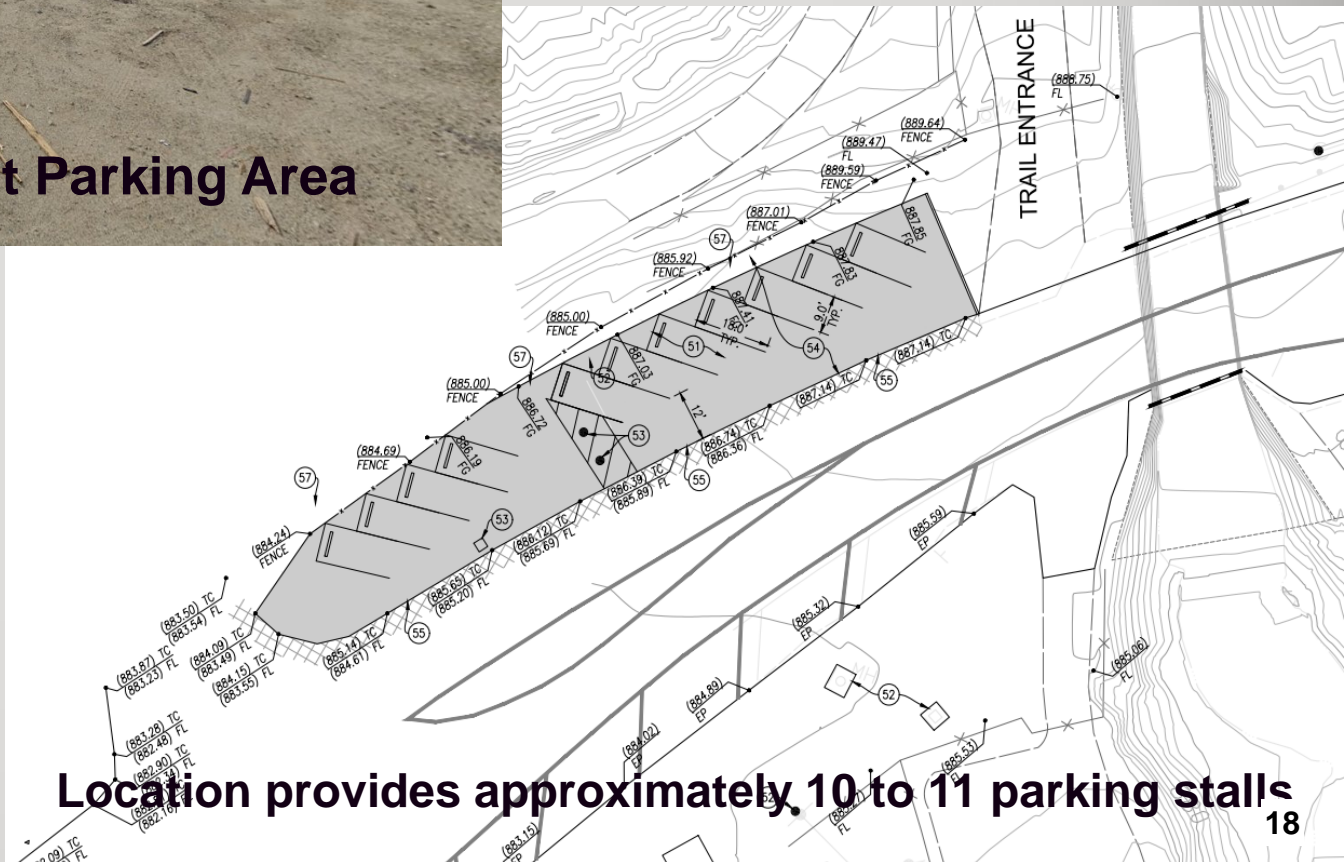


# Lake Rialto – Conceptual Parking Alternative #3

## Recommended Alternative



Proposed Street Adjacent Parking Area



Location provides approximately 10 to 11 parking stalls

# Lake Rialto – CEQA Schedule

- Currently Studies are being completed
- December - Draft Initial Study/Mitigated Negative Declaration Submitted (IS/MND) for Review
- Jan/Feb – Draft IS/MND Out for Public Comment
- March – Finalize IS/MND

# Questions/Direction?





# City of Rialto

## Legislation Text

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**File #:** WS-22-1017, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Honorable Water Subcommittee Members

APPROVAL: Thomas J. Crowley, P.E., Utilities Manager

FROM: Toyasha Sebbag, Assistant to the City Manager

Request Water Subcommittee receive and file the Technical Memorandum on the impacts of the City of Rialto 2021-2029 (Sixth Cycle) General Plan Housing Element Update on Water and Wastewater Utilities.

### **BACKGROUND:**

On March 8, 2022, the City Council conducted a public hearing and adopted Resolution No. 7845 Adopting a Mitigated Negative Declaration (Environmental Assessment Review No. 2021-0044) for and Approving the City of Rialto 2021-2029 (Sixth Cycle) General Plan Housing Element Update (General Plan Amendment No. 2021-0002).

The Housing Element identifies available candidate housing sites and establishes the City's official housing policies and programs to accommodate the Regional Housing Needs Assessment (RHNA) goals as determined by the Southern California Association of Governments (SCAG). The programs and policies established within the Housing Element guide future decision-making to achieve the City's housing goals for the 2021-2029 planning period.

At the direction of the Water Subcommittee, a detailed analysis of the impact of the sixth cycle housing element on water/wastewater utilities within the city of Rialto was conducted. Attachment 1, Draft Technical Memorandum performed by Dopudja & Wells Consulting provides this analysis.

### **ANALYSIS/DISCUSSION:**

Most importantly from a water and wastewater utility perspective, the Housing Element identifies parcels through the City that would require "Rezoning" or "Upzoning" to meeting housing unit goals within the City. These Rezoned and Upzoned parcels are projected to contain a housing density higher than that allowed by the adopted General Plan; the potentially greater number of housing units on these parcels would require more water and wastewater utility capacity than that required by the adopted General Plan. The Rezoned and Upzoned parcels fall into two main geographic categories: 1) north of Baseline Avenue in the eastern half of the city; and 2) parcels along Foothill Boulevard between Larch Avenue and Cactus Avenue.

Table 2 show the housing units above the General Plan totals in the three water service areas. The majority of the impact falls within the Rialto Water Service area.

**Table 2. Housing Units Above Adopted General Plan Totals by Water Service Utility**

| General Development Area         | Rialto Water Service | West Valley Water District | Fontana Water Company | Total        |
|----------------------------------|----------------------|----------------------------|-----------------------|--------------|
| Foothill Boulevard Specific Plan | 2,803                | -                          | 160                   | 2,963        |
| North Riverside Avenue           | -                    | 397                        | -                     | 397          |
| Gateway Specific Plan            | 697                  | -                          | -                     | 697          |
| Central Area Specific Plan       | 442                  | -                          | -                     | 442          |
| Baseline Parcels                 | 105                  | 41                         | -                     | 146          |
| Baseline Shopping Center         | 836                  | -                          | -                     | 836          |
| Randall Avenue Sites             | 111                  | -                          | -                     | 111          |
| Project Pipeline                 | -                    | 14                         | -                     | 14           |
| <i>Total</i>                     | <i>4,994</i>         | <i>452</i>                 | <i>160</i>            | <i>5,606</i> |

The following sections of this TM provide an evaluation of the impacts to water and wastewater capacity requirements within the City if the Rezoning and Upzoning opportunities identified in the Housing Element were to be implemented.

**Water System Impact:** Demand factors from the City of Rialto Water Master Plan were used to estimate the increased water demand. Values of 95 gallons per day per capita (gpcd) and 3.85 people per housing unit were used in these estimates because these values are appropriate for high-density residential development. Table 3 shows the increased amount of water demands for the new Housing units by service area.

**Table 3. Housing Units Above Adopted General Plan Totals by Water Service Utility with Required Water Supply**

| General Development Area              | Rialto Water Service | West Valley Water District | Fontana Water Company | Total        |
|---------------------------------------|----------------------|----------------------------|-----------------------|--------------|
| Foothill Boulevard Specific Plan      | 2,803                | -                          | 160                   | 2,963        |
| North Riverside Avenue                | -                    | 397                        | -                     | 397          |
| Gateway Specific Plan                 | 697                  | -                          | -                     | 697          |
| Central Area Specific Plan            | 442                  | -                          | -                     | 442          |
| Baseline Parcels                      | 105                  | 41                         | -                     | 146          |
| Baseline Shopping Center              | 836                  | -                          | -                     | 836          |
| Randall Avenue Sites                  | 111                  | -                          | -                     | 111          |
| Project Pipeline                      | -                    | 14                         | -                     | 14           |
| <i>Total</i>                          | <i>4,994</i>         | <i>452</i>                 | <i>160</i>            | <i>5,606</i> |
| <b>Required Supply Increase (AFY)</b> | <b>2,000</b>         | <b>180</b>                 | <b>60</b>             | <b>2,280</b> |

89% of the net housing unit increase is found in the Rialto Water Service area within Pressure Zone 2. Therefore, the total required demand increase is 2,200 acre-feet-per-year (AFY) by 2045. This results in a forecasted water supply shortfall of 258 AFY, see table 4 below.

| Table 4. Water Supply Requirements Compared to Available Supply              |                      |                            |                       |       |
|--|----------------------|----------------------------|-----------------------|-------|
| Description  | Rialto Water Service | West Valley Water District | Fontana Water Company | Total |
| Water Supply Available Above Demand in 2045 Per UWMP (AFY)                   | 1,742                | 4,464                      | 0                     | 6,206 |
| Required Supply Increase for Rezoned and Upzoned Parcels (AFY)               | 2,000                | 180                        | 60                    | 2,280 |
| Potential Supply Surplus (Shortage) in 2045 with Rezoned and Upzoned Parcels | (258)                | 4,284                      | (60)                  | 3,926 |

**Mitigation Measure:** The Rialto Utility Authority will need to invest in small increases in the available water supply. Over the next several years investments will be made in recharging storm flows and imported water for the Rialto, Lytle Creek and Bunker Hill groundwater basins where the City gets the majority of its water supplies. This recharge will allow for additional supplies for the future. Hydraulic improvements are not required.

**Wastewater System Impact:** Table 5 provides the wastewater flow projections for the collection system as developed for the Wastewater Master Plan. As shown in the table, the maximum flow projection for the collection system from the Wastewater Master Plan is 10.03 million gallons per day (mgd). This value is increased to 10.83 mgd with the addition of the Rezoned and Upzoned parcels. The increased projection remains less than the average permitted capacity of the City's Wastewater Treatment Plant, which is 11.7 mgd. Treatment capacity increases will not be required for the Rezoned and Upzoned parcels of the Housing Element.

| Table 5. Future Flow Projections for City of Rialto Wastewater Service Area (Source: Wastewater Master Plan) |                   |                |
|--|-------------------|----------------|
| Timeframe  | Average Flow, mgd | Peak Flow, mgd |
| Existing   | 7.01              | 11.07          |
| Near-Term Development  | 7.66              | 12.18          |
| Build-Out Future   | 9.57              | 15.22          |
| Future with Potential Septic Conversion  | 10.03             | 15.75          |
| Future with Potential Septic Conversion Plus Rezoned and Upzoned Parcels                                     | 10.83             | 16.44          |

**Mitigation Measures:** First, north of Baseline Avenue in the eastern half of the city was identified in

the Wastewater Master Plan as being deficient in trunk gravity main capacity, and the increased housing units in the Rezoned and Upzoned parcels will exacerbate this lack of capacity. Therefore, the Sycamore Avenue Trunk Capacity Project identified in the Wastewater Master Plan should be implemented to provide sufficient capacity for these parcels. Second, between Larch Avenue and Cactus Avenue along Foothill Boulevard, there is a reach of a 10-inch diameter pipeline which is insufficient to convey the increased flows. 2,600 feet of 10-inch gravity main should be upsized to 12-inch gravity main if the Rezoned and Upzoned parcels are implemented.

**FINANCIAL IMPACT:**

Operating Budget Impact

None.

Capital Improvement Budget Impact

The new Water and Sewer Master plans will identify the additional improvements required.

**RECOMMENDATION:**

Staff recommends that the Water Subcommittee receive and file the Technical Memorandum on the impacts of the City of Rialto 2021-2029 (Sixth Cycle) General Plan Housing Element Update on Water and Wastewater Utilities.

# DRAFT TECHNICAL MEMORANDUM

**TO:** TOM CROWLEY, PE  
**FROM:** JON WELLS, PE  
**REVIEW:** STEPHEN DOPUDJA, PE  
**CC:**  
**SUBJECT:** IMPACT OF SIXTH CYCLE HOUSING ELEMENT ON WATER/WASTEWATER UTILITIES WITHIN THE CITY OF RIALTO  
**DATE:** OCTOBER 27, 2022

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This Technical Memorandum (TM) is comprised of the following sections:

- Background
- Identification of Rezoned and Upzoned Parcels Within City
- Impacts of Rezoned and Upzoned Parcels to Water Utility Capacity Requirements
- Impacts of Rezoned and Upzoned Parcels to Wastewater Utility Capacity Requirements

## BACKGROUND

As described in Plan to House Our Rialto, 6<sup>th</sup> Cycle Housing Element 2021-2029, Adopted March 8, 2022 (Housing Element), the Housing Element is a state-mandated chapter of the City of Rialto General Plan that identifies and analyzes the City's housing needs and includes a detailed outline and work program of the City's goals, policies, and quantified objectives related to housing. The Housing Element also addresses the maintenance and expansion of the housing supply to accommodate households currently living and expected to live in the City during the specified housing cycle. The Housing Element identifies available candidate housing sites and establishes the City's official housing policies and programs to accommodate the Regional Housing Needs Assessment (RHNA) goals as determined by the Southern California Association of Governments (SCAG). The programs and policies established within the Housing Element guide future decision-making to achieve the City's housing goals for the 2021-2029 planning period.

Most importantly from a water and wastewater utility perspective, the Housing Element identifies parcels through the City that would require "Rezoning" or "Upzoning" to meeting housing unit goals within the City. These Rezoned and Upzoned parcels are projected to contain a housing





density higher than that allowed by the adopted General Plan; the potentially greater number of housing units on these parcels would require more water and wastewater utility capacity than that required by the adopted General Plan. Because the City's Water Master Plan and Wastewater Master Plan have been developed based upon adopted General Plan housing densities, as is typical, implementation of the Housing Element potentially would require water and/or wastewater capacity beyond that projected in the two master plans. The following sections of this TM provide an evaluation of the impacts to water and wastewater capacity requirements within the City if the Rezoning and Upzoning opportunities identified in the Housing Element were to be implemented.

#### **IDENTIFICATION OF REZONED AND UPZONED PARCELS WITHIN THE CITY**

Appendix B of the Housing Element contains the "Inventory of Adequate Sites" for housing within the City. This inventory contains both parcels that are currently underutilized for housing under existing densities, and parcels whose housing density could be increased to allow more housing units. The latter group of parcels were identified for Rezoning and Upzoning.

The parcels identified for Rezoning and Upzoning are presented in several tables and figures in Appendix B of the Housing Element. For this evaluation, the Upzoned and Rezoned parcels were consolidated into a single Geographical Information System (GIS) database to allow for mapping and for location-based evaluation of water and wastewater utility system impacts. The Rezoned and Upzoned parcels from the Housing Element are presented on Figure 1. The parcels are grouped by general development area. The net increase of housing units in the City beyond those projected by the adopted General Plan are summarized in Table 1. To arrive at these values, the housing units allowed on a specific parcel under the adopted General Plan density were subtracted from those allowed by the Rezoned or Upzoned density for each individual parcel. In most cases, the Rezoned or Upzoned density was projected to be 35 housing units per acre. As can be seen in Table 1, the net increase in housing units resulting from the Rezoned or Upzoned parcels is approximately 5,600 units.

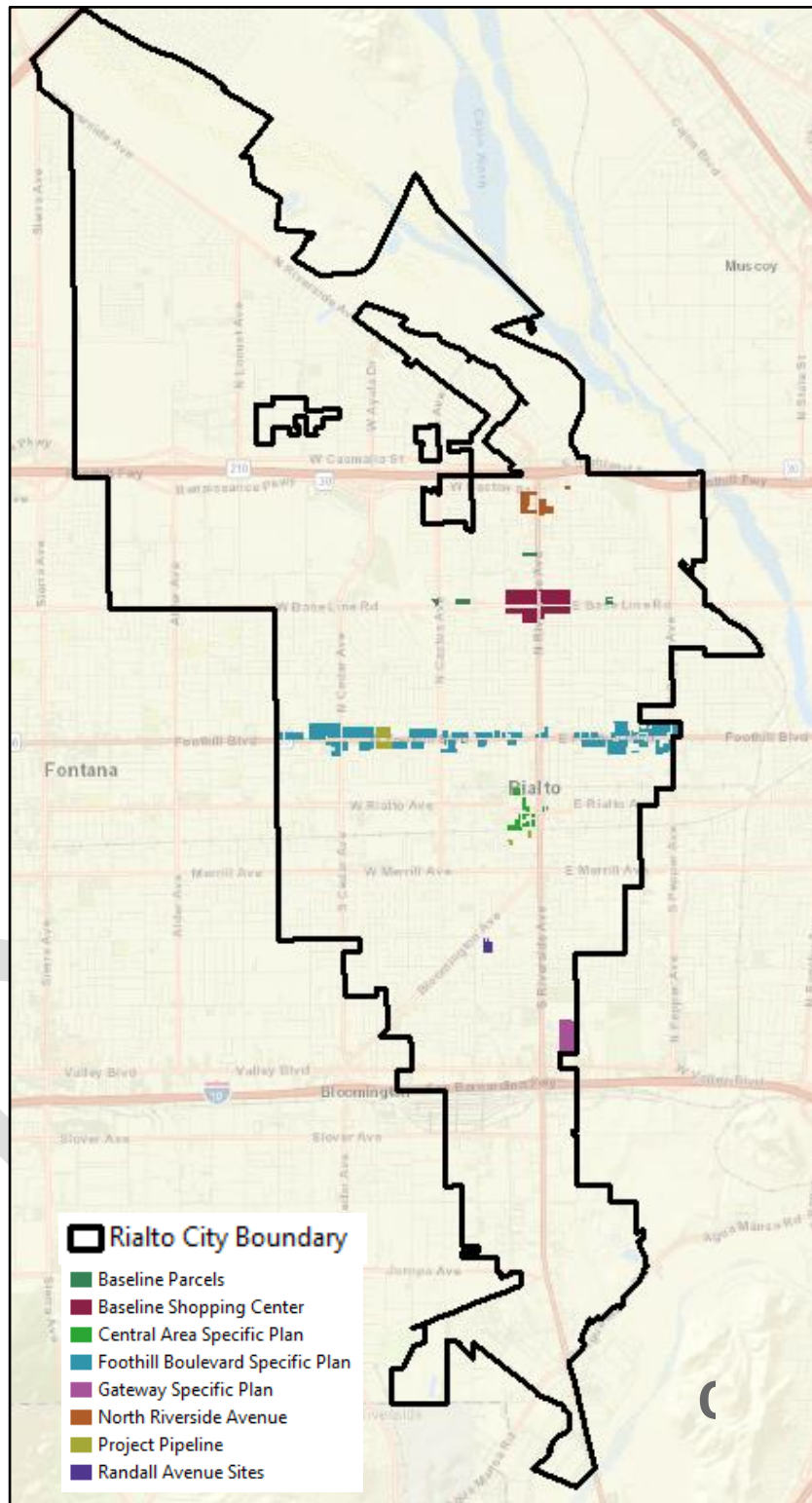


Figure 1. Rezoned and Upzoned Parcels Identified in Appendix B of Housing Element





| Table 1. Housing Units Above Adopted General Plan Totals From Rezoned or Upzoned Parcels |                               |
|--|-------------------------------|
| General Development Area   | Net Increase in Housing Units |
| Foothill Boulevard Specific Plan   | 2,963                         |
| North Riverside Avenue   | 397                           |
| Gateway Specific Plan  | 697                           |
| Central Area Specific Plan   | 442                           |
| Baseline Parcels   | 146                           |
| Baseline Shopping Center   | 836                           |
| Randall Avenue Sites   | 111                           |
| Project Pipeline   | 14                            |
| <i>Total</i>   | 5,606                         |

### IMPACTS OF REZONED AND UPZONED PARCELS TO WATER UTILITY CAPACITY REQUIREMENTS

The City of Rialto is served by three separate water utilities: City of Rialto Water Services, West Valley Water District, and Fontana Water Company. Therefore, the impact of Rezoned and Upzoned parcels depends on the location of the parcel, and the resulting water utility service area into which it falls.

Figure 2 overlays the Rialto Water Service Area, including pressure zone delineation, with the Rezoned and Upzoned parcels shown previously on Figure 1. As can be seen on Figure 2, the majority of the Rezoned and Upzoned parcels are found within the Rialto Water Service area. A small number of these parcels in the north of the City are found within the West Valley Water District; a still smaller number are found at the western edge of the City along Foothill Boulevard in the Fontana Water Company service area. The net increase in housing units is broken down by water utility in Table 2. As can be seen in the table, 89% of the net housing unit increase is found in the Rialto Water Service Area. The majority of the housing unit increase is found within Pressure Zone 2 of the Rialto Water Service distribution system.



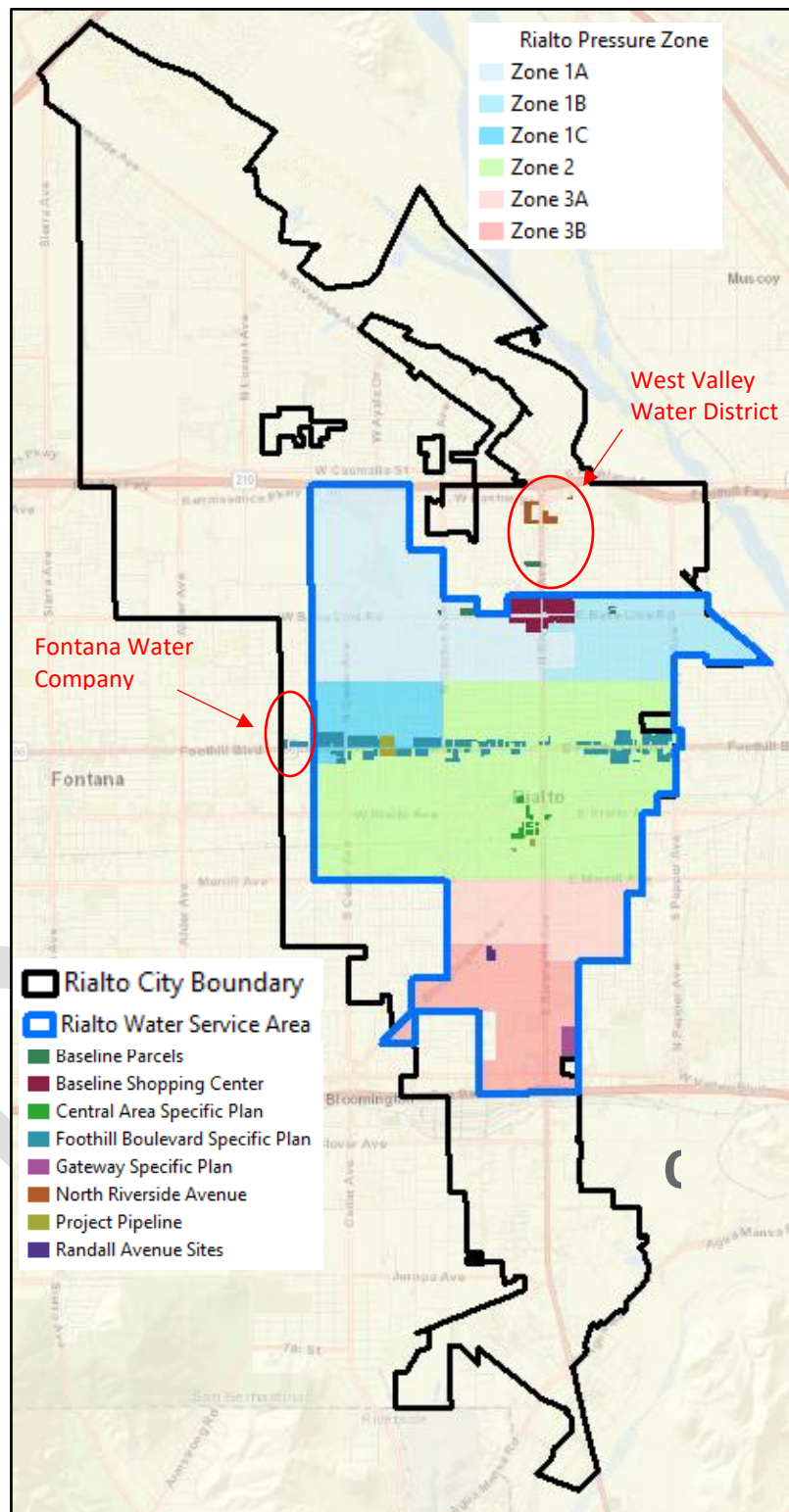


Figure 2. Rezoned and Upzoned Parcels Overlaid with Water Utility Service in the City of Rialto



| <b>Table 2. Housing Units Above Adopted General Plan Totals by Water Service Utility</b> |                      |                            |                       |              |
|--|----------------------|----------------------------|-----------------------|--------------|
| General Development Area   | Rialto Water Service | West Valley Water District | Fontana Water Company | Total        |
| Foothill Boulevard Specific Plan   | 2,803                | -                          | 160                   | 2,963        |
| North Riverside Avenue   | -                    | 397                        | -                     | 397          |
| Gateway Specific Plan  | 697                  | -                          | -                     | 697          |
| Central Area Specific Plan   | 442                  | -                          | -                     | 442          |
| Baseline Parcels   | 105                  | 41                         | -                     | 146          |
| Baseline Shopping Center   | 836                  | -                          | -                     | 836          |
| Randall Avenue Sites   | 111                  | -                          | -                     | 111          |
| Project Pipeline   | -                    | 14                         | -                     | 14           |
| <i>Total</i>   | <i>4,994</i>         | <i>452</i>                 | <i>160</i>            | <i>5,606</i> |

Demand factors from the City of Rialto Water Master Plan were used to estimate the increased water demand for each water utility in the City. Values of 95 gallons per day per capita (gpcd) and 3.85 people per housing unit were used in these estimates; both values are appropriate for high density residential development.

The resulting water demand increases can be seen in Table 3. As shown in the table, the total required supply increase is 2,200 acre feet per year (AFY). 2,000 AFY of this value is required in the Rialto Water Service Area.

| <b>Table 3. Housing Units Above Adopted General Plan Totals by Water Service Utility with Required Water Supply</b> |                      |                            |                       |                     |
|---|----------------------|----------------------------|-----------------------|---------------------|
| General Development Area  | Rialto Water Service | West Valley Water District | Fontana Water Company | Total               |
| Foothill Boulevard Specific Plan  | 2,803                | -                          | 160                   | 2,963               |
| North Riverside Avenue  | -                    | 397                        | -                     | 397                 |
| Gateway Specific Plan   | 697                  | -                          | -                     | 697                 |
| Central Area Specific Plan  | 442                  | -                          | -                     | 442                 |
| Baseline Parcels  | 105                  | 41                         | -                     | 146                 |
| Baseline Shopping Center  | 836                  | -                          | -                     | 836                 |
| Randall Avenue Sites  | 111                  | -                          | -                     | 111                 |
| Project Pipeline  | -                    | 14                         | -                     | 14                  |
| <i>Total</i>  | <i>4,994</i>         | <i>452</i>                 | <i>160</i>            | <i>5,606</i>        |
| <b><i>Required Supply Increase (AFY)</i></b>  | <b><i>2,000</i></b>  | <b><i>180</i></b>          | <b><i>60</i></b>      | <b><i>2,280</i></b> |



The required water supply increase for the Rezoned or Upzoned parcels is compared to the available water supply for each utility in the City in Table 4. The available water supply for each utility was taken from the utility's 2020 Urban Water Management Plan. As shown in the table, small increases in available water supply would be required for Rialto Water Service and Fontana Water Company. Hydraulic improvements are not required in the Rialto Water Service distribution system to serve the increased water supply.

| Table 4. Water Supply Requirements Compared to Available Supply              |                      |                            |                       |       |
|--|----------------------|----------------------------|-----------------------|-------|
| Description  | Rialto Water Service | West Valley Water District | Fontana Water Company | Total |
| Water Supply Available Above Demand in 2045 Per UWMP (AFY)                   | 1,742                | 4,464                      | 0                     | 6,206 |
| Required Supply Increase for Rezoned and Upzoned Parcels (AFY)               | 2,000                | 180                        | 60                    | 2,280 |
| Potential Supply Surplus (Shortage) in 2045 with Rezoned and Upzoned Parcels | (258)                | 4,284                      | (60)                  | 3,926 |

#### IMPACTS OF REZONED AND UPZONED PARCELS TO WASTEWATER UTILITY CAPACITY REQUIREMENTS

The City of Rialto provides wastewater utility service to the entire City, and therefore there is only one wastewater utility impacted by the Rezoned and Upzoned parcels. The Rezoned and Upzoned parcels are presented in overlay of the wastewater collection system on Figure 3.

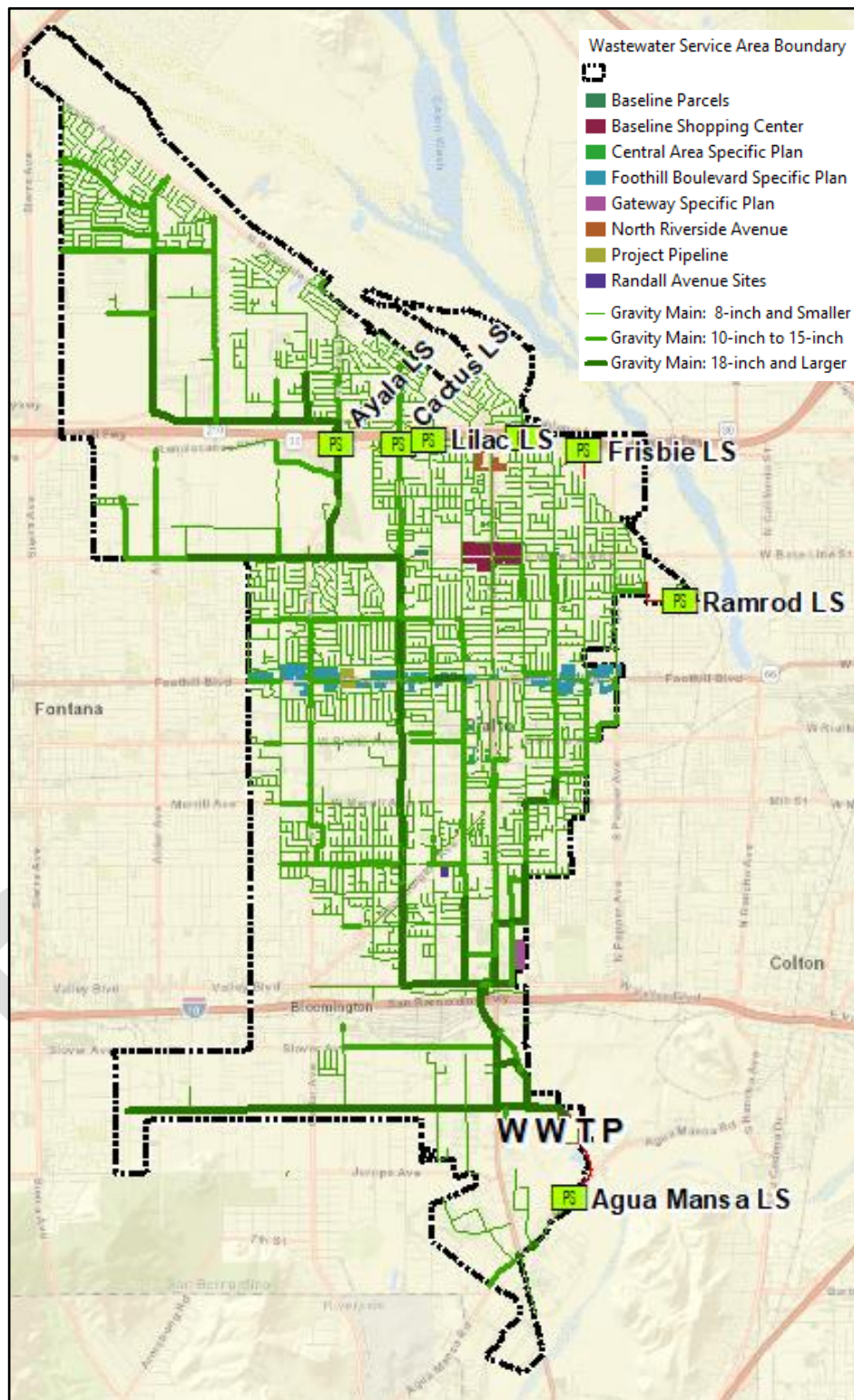


Figure 3. Rezoned and Upzoned Parcels Overlaid with City of Rialto Wastewater Collection System



Table 5 provides the wastewater flow projections for the collection system as developed for the Wastewater Master Plan. As shown in the table, the maximum flow projection for the collection system from the Wastewater Master Plan is 10.03 million gallons per day (mgd). This value is increased to 10.83 mgd with the addition of the Rezoned and Upzoned parcels. The increased projection remains less than the average permitted capacity of the City's Wastewater Treatment Plant, which is 11.7 mgd. Treatment capacity increases will not be required for the Rezoned and Upzoned parcels of the Housing Element.

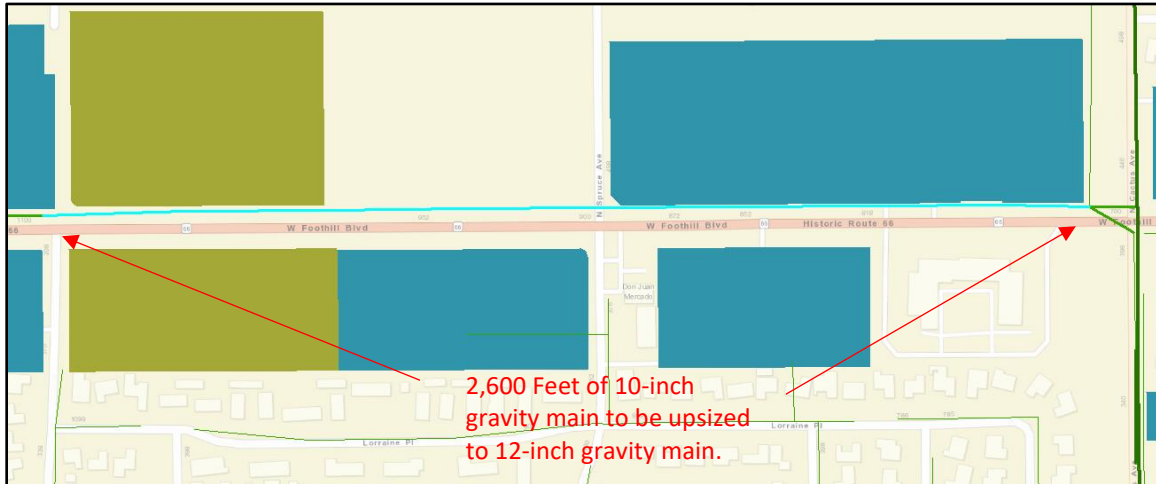
| <b>Table 5. Future Flow Projections for City of Rialto Wastewater Service Area (Source: Wastewater Master Plan)</b> |                          |                       |
|---|--------------------------|-----------------------|
| <b>Timeframe</b>  | <b>Average Flow, mgd</b> | <b>Peak Flow, mgd</b> |
| Existing  | 7.01                     | 11.07                 |
| Near-Term Development   | 7.66                     | 12.18                 |
| Build-Out Future  | 9.57                     | 15.22                 |
| Future with Potential Septic Conversion   | 10.03                    | 15.75                 |
| <i>Future with Potential Septic Conversion Plus Rezoned and Upzoned Parcels</i>                                     | <i>10.83</i>             | <i>16.44</i>          |

In terms of the wastewater collection system impact, the Rezoned and Upzoned parcels fall into two main geographic categories. There are a significant number of such parcels at and north of Baseline Avenue in the eastern half of the City. This portion of the City was identified in the Wastewater Master Plan as being deficient in trunk gravity main capacity, and the increased housing units in the Rezoned and Upzoned parcels will exacerbate this lack of capacity. The Sycamore Avenue Trunk Capacity Project identified in the Wastewater Master Plan must be implemented to provide sufficient capacity for these parcels.





The second main geographic category contains the parcels along Foothill Boulevard. In general, there is sufficient trunk capacity along and running south from Foothill Boulevard to convey the increased flow away from the impacted parcels. However, between Larch Avenue and Cactus Avenue along Foothill Boulevard, there is a reach of 10-inch diameter pipeline which is insufficient to convey the increased flows. 2,600 feet of 10-inch gravity main should be upsized to 12-inch gravity main if the Rezoned and Upzoned parcels are implemented. This reach can be seen on Figure 4.



**Figure 4. Gravity Main Capacity Increase Required Along Foothill Boulevard.**



# City of Rialto

## Legislation Text

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**File #:** WS-22-1025, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Water Subcommittee Members

APPROVAL: Thomas J. Crowley, P.E., Utilities Manager

Final Construction Work Authorization to Rialto Water Services in the amount of \$684,304.89 for the Emergency Repair of City Well 4A and the Rehabilitation of Chino Well 2.

### **BACKGROUND:**

**City Well 4A:** On September 28, 2022, City Well 4A experienced a catastrophic failure of the internal main feed wiring. The main feeds had a direct short with the cabinet destroying all components and wiring inside the Motor Control Center (MCC). Due to this, the existing MCC enclosure was damaged and all internal components (breakers, wiring etc.) were destroyed or damaged. Since City Well 4A is a critical well supplying water to the Rialto drinking water system, Rialto Water Services (RWS)/Veolia personnel immediately contacted the local electrical on-call contractor, Big Sky Electric (BSE) to evaluate the situation. It was concluded that the two panels would need to be completely rebuilt. The MCC in City Well 4A was installed in the 1990s and has been in continuous operation since it was installed.

These panels were shipped to BSE's site for repair on October 4, 2022 and is anticipated to be rebuilt and shipped back in 6-7 weeks (mid to late November 2022). Upon completion of rebuilding of the panels, an Arc Flash test and certification will be completed prior to being placed into service.

Additionally, RWS/Veolia is working with Tri County Pump Company (TCPC) to ship the existing motor to TCPC's repair workshop for disassemble, inspect, test, recondition, and cleaning. Upon completion of the repairs, TCPC's personnel will come onsite and reinstall the pump motor and perform startup.

Finally, RWS/Veolia will contract with Prime System, the on-call Instrumentation & Controls contractor, to load the backup program into the new PLC system, establish communication with the main SCADA system, test, and re-commission the site.

This project will be completed by the end of the year, December 2022.

**Chino 2 Well:** Currently, the pump in Chino Well 2 has been operating with an oil lubricated system. The oil that is used as a lubricant is a food grade oil allowed under our operating permit with the Division of Drinking Water. Due to the age of the oil lubrication system, RWS/Veolia is seeing an increase of oil collecting on top of the water in the well. In anticipation of the lubrication pump system failing, RWS/Veolia is recommending that the oil lubrication system be replaced with a water lubrication system.

This well does feed the Perchlorate Treatment System installed at this well site. One of the benefits of replacing the lubrication system with a water lubrication system is that it will protect the Ion Exchange (IX) media. If the oil were to enter the IX treatment system, the IX media would be damaged and a change out of media would be required. This project would replace the system from an oil lubricated system to water lubricated system, similar to the City's Miro # 3 and Rialto #3 wells and EPA's EW1 well.

This project will be completed by the end of March 2023.

#### **FINANCIAL IMPACT:**

The total amount for the FCWA is \$684,304.89. A detailed breakdown of the cost is in the table below.

| PROJECT COST FOR CITY 4A EMERGENCY REPAIRS and CHINO 2 REHABILITATION  |                  |  |            |              |
|--|------------------|--|------------|--------------|
| ITEM   | ENTITY           | SCOPE  | BASIS      | COST         |
| 1  | Big Sky Electric | City Well 4A electrical rebuild of MCC and replacement of associated electrical components.                              | Lump Sum   | \$217,148.00 |
| 2  | Tri County Pumps | Repair City Well 4A motor repair.  | Lump Sum   | \$15,554.00  |
| 3  | Big Sky Electric | Complete ArcFlash study and issue report for City Well 4A panel.   | T&M (NTE)  | \$5,000.00   |
| 4  | Prime Systems    | Provide and install new PLC, wireless modem and integrate City Well 4A SCADA system into the overall Water SCADA system. | T&M (NTE)  | \$25,000.00  |
| Subtotal for City Well 4A  |                  |  |            | \$262,702.00 |
| 5  | Tri County Pumps | Replace the lubrication system for Chino Well 2 from oil lubricating system to water lubricating system                  | Lump Sum   | \$263,686.38 |
| Subtotal for Chino Well 2  |                  |  |            | \$263,686.38 |
| Total Construction Costs   |                  |  |            | \$526,388.38 |
| 6  | Veolia           | Veolia Mark up of 15% for Procurement, PM-CM, Design coordination and OH&P   | Lump Sum   | \$78,958.26  |
| Project Costs for Design, Construction and Project Management Services |                  |  |            | \$605,346.64 |
| 7  |                  | 15% Project Contingency for unforeseen conditions.   | Allowances | \$78,958.26  |
| Total Cost for Well Improvements                                       |                  |  |            | \$684,304.89 |

Funding for this project will be paid for with the remaining water Facility Improvement Plan (FIP) Funds held by Rialto Water Services in the Capital Trust Account. As of the beginning of the Fiscal Year there were \$5,043,334.06 available in the Water FIP funds. The Council issued a Final Construction Work Authorization on August 9, 2022, in the amount of \$2,982,691 for the water improvements in Riverside Central Project utilizing Water FIP funds. The balance available for use on this project is \$2,060,643.06

#### **RECOMMENDATION:**

Staff recommends approving a Final Construction Work Authorization to Rialto Water Services in the amount of \$684,304.89 for the Emergency Repair of City 4A Well and the Rehabilitation of Chino 2 Well.





# City of Rialto

## Legislation Text

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**File #:** WS-22-1014, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Water Subcommittee Members

APPROVAL: Thomas J. Crowley, P.E., Utilities Manager

Update on the Advanced Metering Infrastructure (AMI) Implementation Project.

### **BACKGROUND**

The 2022 Urban Community Drought Relief Program is one of three Department of Water Resources (DWRs) Drought Relief Grant Programs that offer financial assistance to address drought impacts. Staff believes the Advanced Metering Infrastructure (AMI) project is appropriate for this grant program. AMI is an integrated system of smart meters, communications networks, and data management systems that enables two-way communication between utilities and customers. This will help households reduce their water and energy consumption, lowering their bills and carbon emissions.

The Department of Water Resources (DWR) released the final 2022 Guidelines/Proposal Solicitation Package in October 2022 and will accept applications between October 10, 2022, and January 31, 2023. The estimated program funding is \$300 million with a minimum grant opportunity of \$3 million per applicant. Currently, there is no maximum grant amount; however, DWR reserves the right to establish a maximum award size depending on the applications received and funding availability. Agencies awarded funding is scheduled to be announced between December 2022 and March 2023. Therefore, it is advantageous to apply for consideration early.

The total cost of the AMI project is \$8 million, see **Attachment 1**. Currently the city applied for \$2 million in grant funding from the U.S. Department of Interior's (Department) WaterSMART (Sustain and Manage America's Resources for Tomorrow) Program, and staff was notified that an award is pending. An agreement with the Bureau of Reclamation is scheduled to be provided by February 2023. This grant comes with a 50% cost share. Therefore, the outstanding city cost portion from the WaterSMART grant would be \$6 Million.

The City is requesting from DWR \$6 million for the remaining amount required for the project. This amount will cover the city's 50% cost share portion and the remaining costs of the AMI project. Must be noted that DWR may fund only a portion of the request. Resolutions will be presented to City Council during the November 15<sup>th</sup> council meeting requesting authorization for staff to apply for the grant, accept grant funds and execute contract documents.

### **FINANCIAL IMPACT**

#### **Operating Budget Impact**

When the project is fully implemented, there will be some costs savings with regards to meter reading

activities. Water Consumption data will be available to customers through web portals and can be used to assist in conservation activities. In addition the consumption data will be used in the State's reporting mandate.

Capital Improvement Budget Impact

None at this time.

**RECOMMENDATION**

Staff requests the Water Subcommittee recommend the City Council to 1) Adopt Resolutions Authorizing the Grant Application, Acceptance, and Execution for the Advanced Metering Infrastructure Implementation Project with the Department of Water Resources of the State of California.

### Construction Costs

| Item Description                   | Quantity | Unit        | Cost per Unit | New Totals         |
|------------------------------------|----------|-------------|---------------|--------------------|
| <b>Hardware</b>                    |          |             |               |                    |
| Transmitters                       | 12,291   | Each        | \$145         | \$1,778,878        |
| Transmitter Holders                | 12,291   | Each        | \$12.35       | \$151,794          |
| Gateway Collectors                 | 2        | Each        | \$28,500      | \$57,000           |
| Meter Lids (non-plastic only)      | 12,291   | Each        | \$24.50       | \$301,130          |
| Meters                             | 8,024    | Each        | Varied        | \$1,879,023        |
| 3/4" Meters                        | 6,872    | Each        | \$77.50       | \$532,580          |
| 1" Meters                          | 532      | Each        | \$249.00      | \$132,468          |
| 1 1/2" Meters                      | 149      | Each        | \$630.00      | \$93,870           |
| 2" Meters                          | 249      | Each        | \$845.00      | \$210,405          |
| 3" Meters                          | 38       | Each        | \$2,100.00    | \$79,800           |
| 4" Meters                          | 49       | Each        | \$3,325.00    | \$162,925          |
| 6" Meters                          | 65       | Each        | \$3,740.00    | \$243,100          |
| 8" Meter                           | 65       | Each        | \$5,900.00    | \$383,500          |
| 10" Meter                          | 5        | Each        | \$8,075.00    | \$40,375           |
| <b>Software</b>                    |          |             |               |                    |
| Hosting Fee                        | 1        | Annual      | \$25,300      | \$25,300           |
| Text Messaging                     | 1        | Annual      | \$1,400       | \$1,400            |
| RNI Set Up                         | 1        | Lump        | \$10,000      | \$10,000           |
| RNI Hosting                        | 1        | Annual      | \$11,650      | \$11,650           |
| Billing Integration                | 1        | Lump        | \$12,500      | \$12,500           |
| Water Analytics Host               | 1        | Annual      | \$4,650       | \$4,650            |
| Customer Portal Set Up             | 1        | Lump        | \$6,450       | \$6,450            |
| <b>Meter Installation Services</b> |          |             |               |                    |
| Meter Installation                 | 8,024    | Each        | Varied        | \$1,431,440        |
| 3/4" Meters                        | 6,872    | Each        | \$110         | \$755,920          |
| 1" Meters                          | 532      | Each        | \$110         | \$58,520           |
| 1 1/2" Meters                      | 149      | Each        | \$375         | \$55,875           |
| 2" Meters                          | 249      | Each        | \$375         | \$93,375           |
| 3" Meters                          | 38       | Each        | \$1,200       | \$45,600           |
| 4" Meters                          | 49       | Each        | \$1,600       | \$78,400           |
| 6" Meters                          | 65       | Each        | \$2,250       | \$146,250          |
| 8" Meters                          | 65       | Each        | \$2,800       | \$182,000          |
| 10" Meters                         | 5        | Each        | \$3,100       | \$15,500           |
| Transmitter Installation           | 12,291   | Each        | Varied        | \$609,200          |
| Lid Installation                   | 12,291   | Each        | \$15.75       | \$193,583          |
| Trans Eq Materials                 | 12,291   | Each        | \$1.09        | \$13,342           |
| Network Installation Services      | 2        | Each        | \$21,125      | \$42,250           |
| SaaS Project Management            | 1        | Lump        | \$55,665      | \$55,750           |
| Gateway Maintenance                | 2        | Annual      | \$1,625       | \$3,250            |
| Training                           | 2        | Per Session | \$3,880       | \$7,759            |
| <b>Implementation Subtotal</b>     |          |             |               | <b>\$6,596,348</b> |
| <b>Project Management</b>          |          |             |               | <b>\$1,303,350</b> |
| <b>Total</b>                       |          |             |               | <b>\$7,899,698</b> |



# City of Rialto

## Legislation Text

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**File #:** WS-22-1020, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Water Subcommittee Members

APPROVAL: Thomas J. Crowley, P.E., Utilities Manager

Update on Wastewater Treatment Plant Projects and Property Reuse

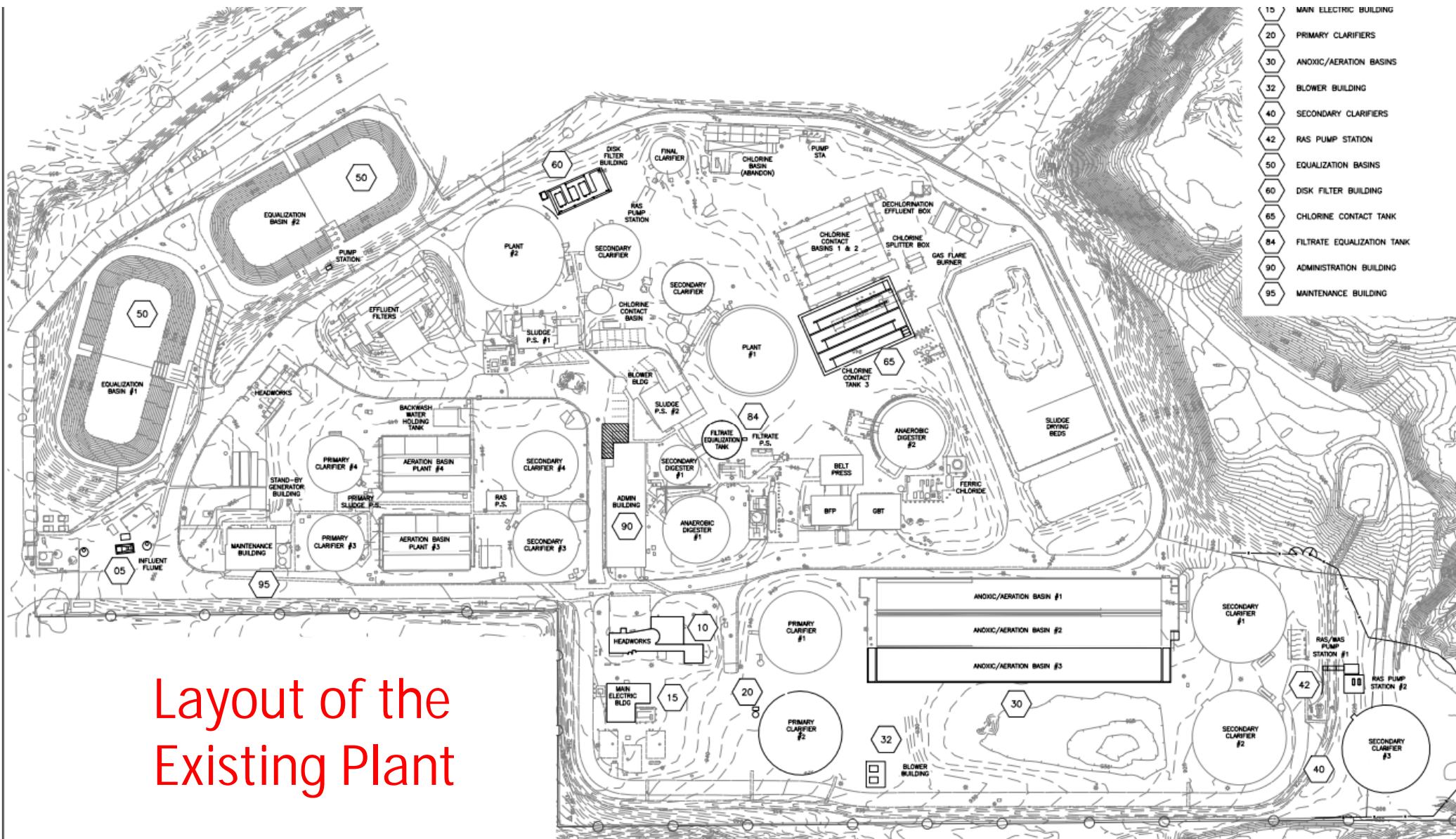
### **BACKGROUND:**

See attached power point presentation slides for the different projects planned at the WWTP.

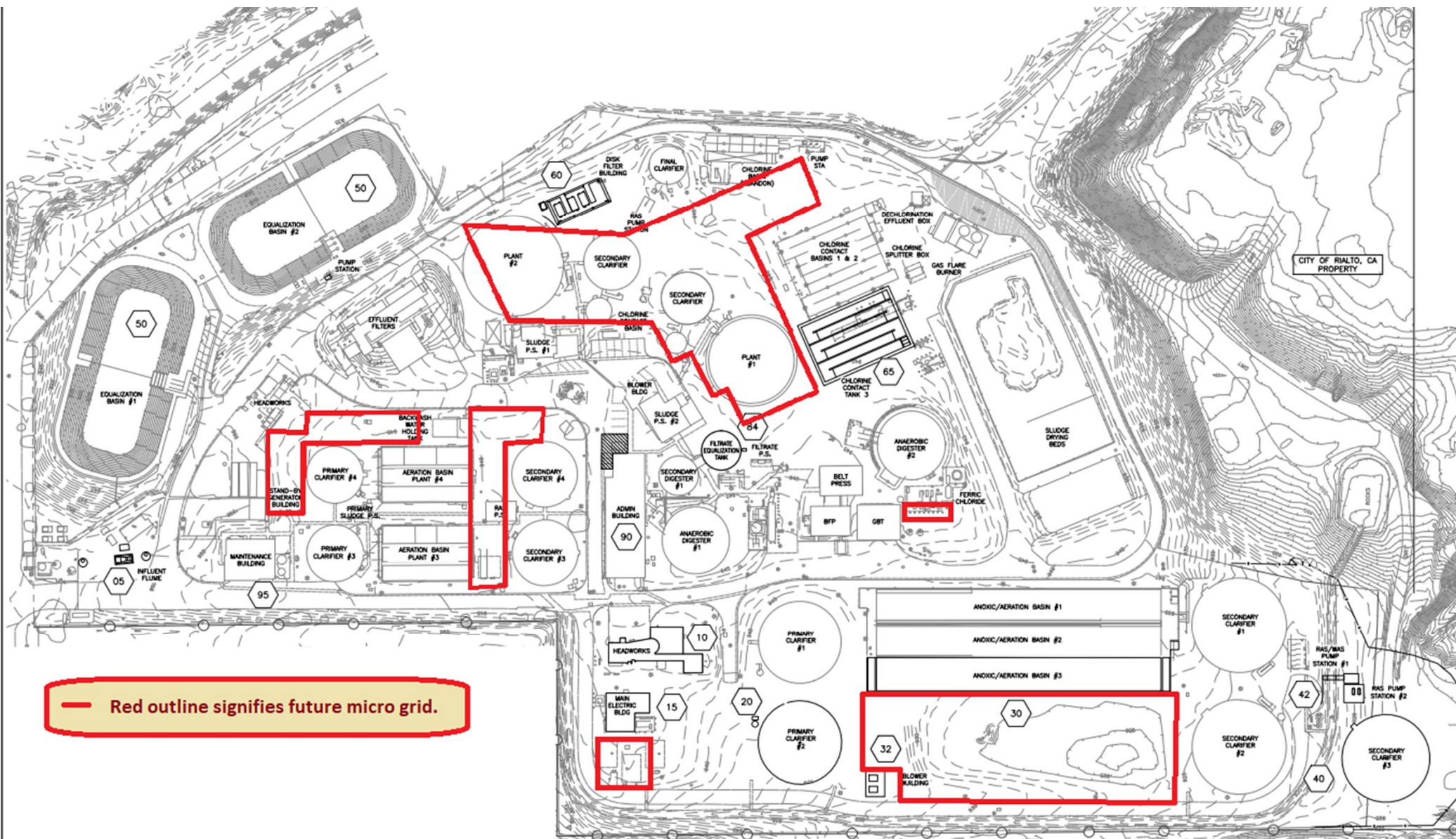
### **RECOMMENDATION:**

Staff recommends Water Subcommittee to receive update on the Wastewater Treatment Plant Projects and Property Reuse.

# Layout of the Existing Plant







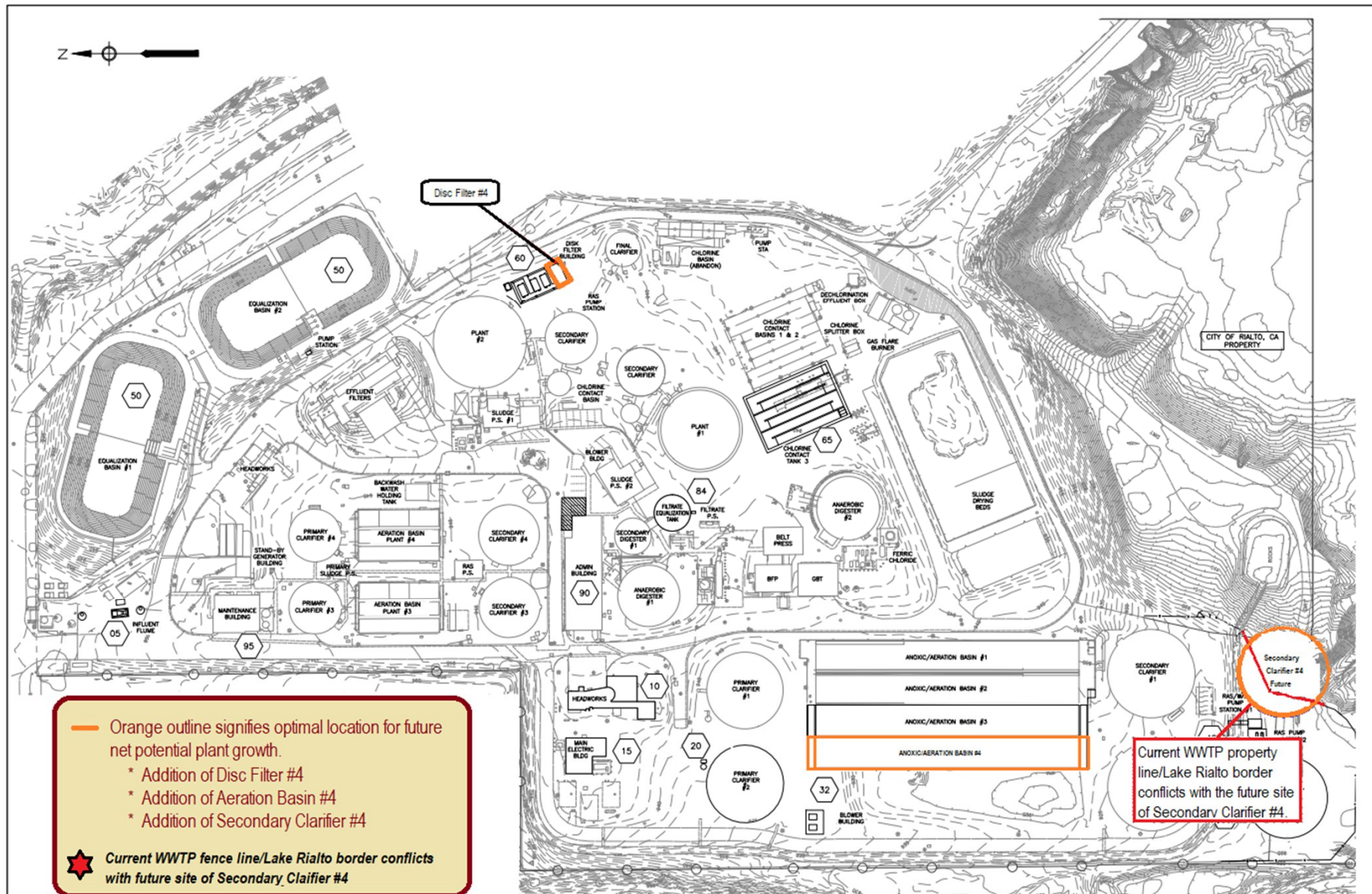


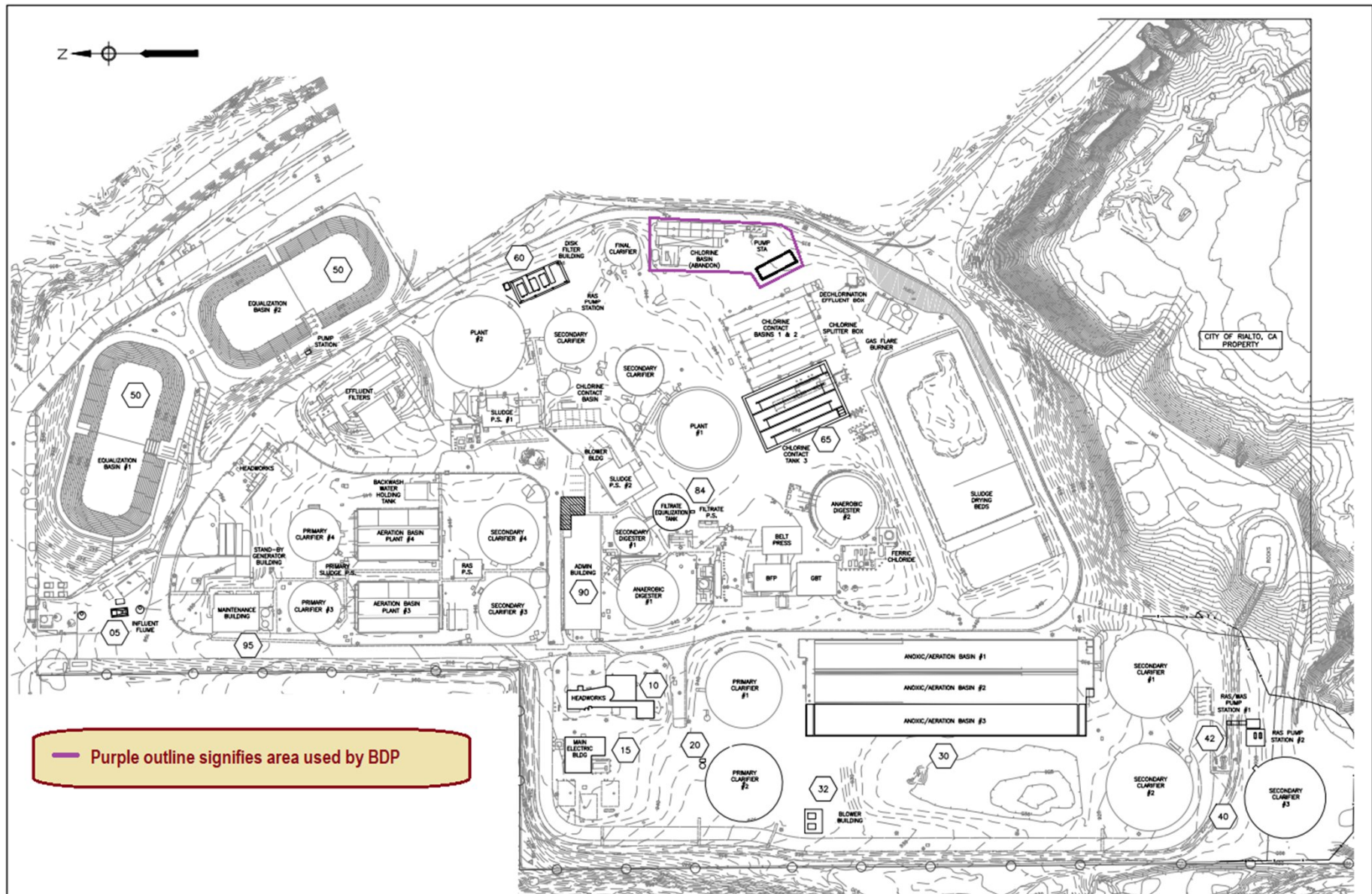




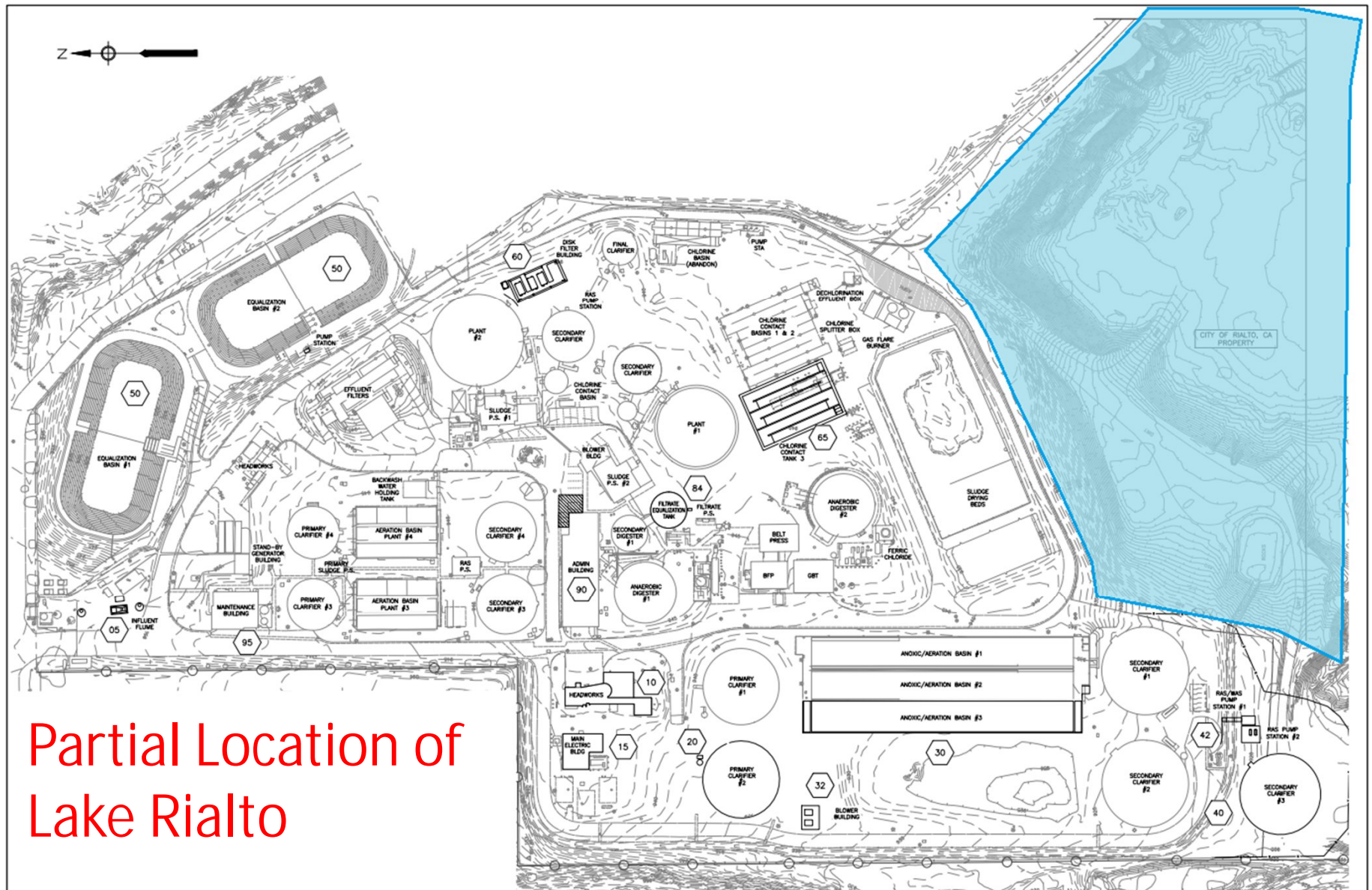






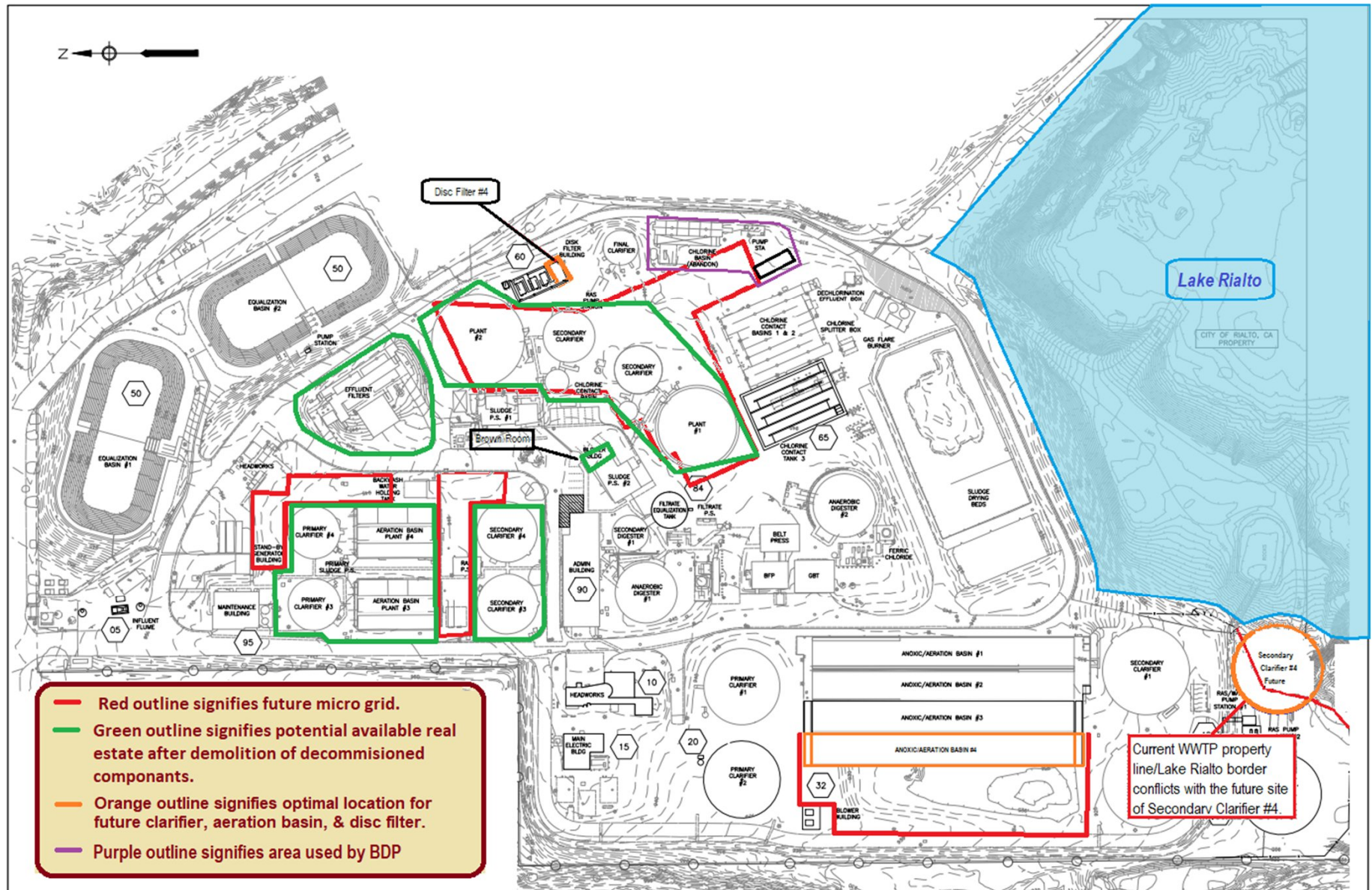






Partial Location of  
Lake Rialto







# City of Rialto

## Legislation Text

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**File #:** WS-22-1013, **Version:** 1, **Agenda #:**

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For Water Subcommittee Meeting [November 9, 2022]

TO: Water Subcommittee Members

APPROVAL: Thomas J. Crowley, P.E., Utilities Manager

Update on RUA Activities.

### **BACKGROUND:**

At the next City Council meeting on November 15, 2022, several items are up for consideration:

**Extraterritorial Agreements:** There are three Extraterritorial Wastewater Service Agreements being presented for consideration:

- 19373 Slover Ave., Bloomington, CA - ASG Development Advisors is planning to develop a 257,855 square-foot warehouse building on the southwest corner of Slover Ave. and Cactus Ave., Assessor's Parcel Number 0259-071-03, 04, and 39, and is requesting to connect to the City's sewer system on Slover Ave. The City has the Collection and Treatment capacity to serve this project.
- 19080 Santa Ana Blvd., Bloomington, CA - This project is a single-family residential property owned by Alejandra Martinez. The property is currently on a septic system and would like to connect to the City's sewer system on Santa Ana Ave. The City has the Collection and Treatment capacity to serve this project.
- 6268 Apple Ave, Rialto, CA in an unincorporated area of the City - This project is a single-family residential property owned by Cherish Gonzales. The property is currently on a septic system and would like to connect to the City's sewer system on Apple Ave. The City has the Collection and Treatment capacity to serve this project.

**Grant Resolutions:** There are two Resolutions for grant funding being presented for consideration.

- SAWPA Prop 1 Round 2 Grand Funding - Adopt Resolution Approving the Santa Ana Watershed Project Authority's One Water One Watershed Plan Update 2018. Lake Rialto is included in the plan. The City is required to adopt the updated plan in order to be a part of the application to DWR. This resolution allows the City to pursue grant funding in the amount of \$2.2 M for Lake Rialto through SAWPA/DWR grant submittal process.
- Department of Water Resources AMI Implementation Project - Adopt Resolution Authorizing the Grant Application, Acceptance, and Execution for the Advanced Metering Infrastructure Implementation Project with the Department of Water Resources of the State of California.

This grant is pursuing the remaining funds needed to implement the installation of AMI meters throughout the City's service area. The total project cost is \$8 M. We currently have received a commitment from the US BOR for \$2 M. We are making a request for the remaining funds, \$6 M.

**SB County Agreement:** - Approve the Water Replacement Order Agreement Extending the Agreement Between the City of Rialto and San Bernardino County for an Additional Three Years, Authorizing County to Continue Utilizing Up to 1,600 Acre-Feet of Water of the City of Rialto's Water Rights from the Rialto Basin. The increase to the rates provided a 5% increase per year. The maximum allowed under the Settlement Agreement with FUWC. The compensation for this water use is on average over the next three years \$208 per acre-foot which is similar to the Base Line Feeder cost of \$210 per acre-foot.

**O&M Agreement w/ Veolia for the Combined Remedy Project** - This agreement will be presented at the December City Council meeting.

**RECOMMENDATION:**

Staff recommends Water Subcommittee to receive update on the ETA's, Grant Resolutions, SB County Agreement, and O&M Agreement w/ Veolia.