

Lake Rialto Water Subcommittee Update

October 27, 2021

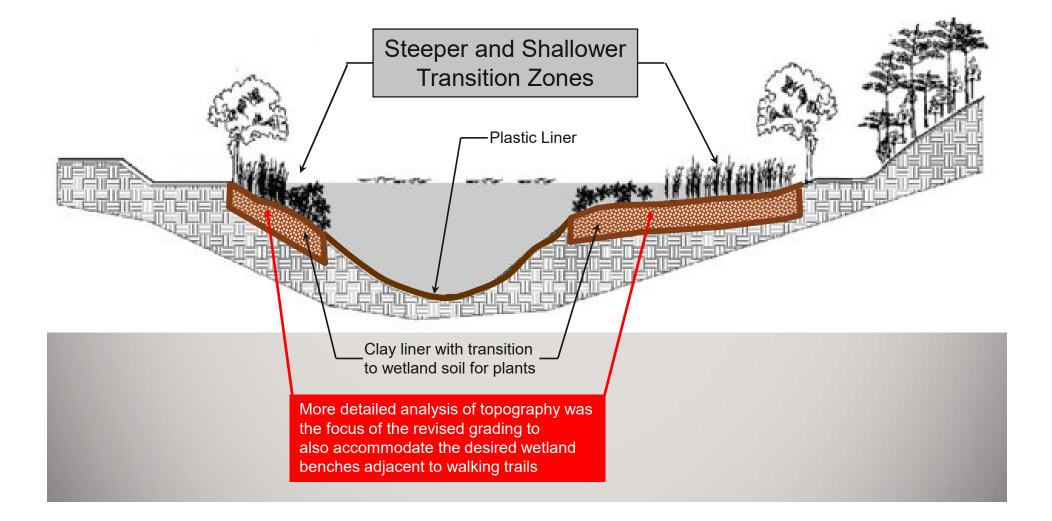


Lake Rialto – Revised Grading Consideration 905' vs 912' Water Surface Elevation

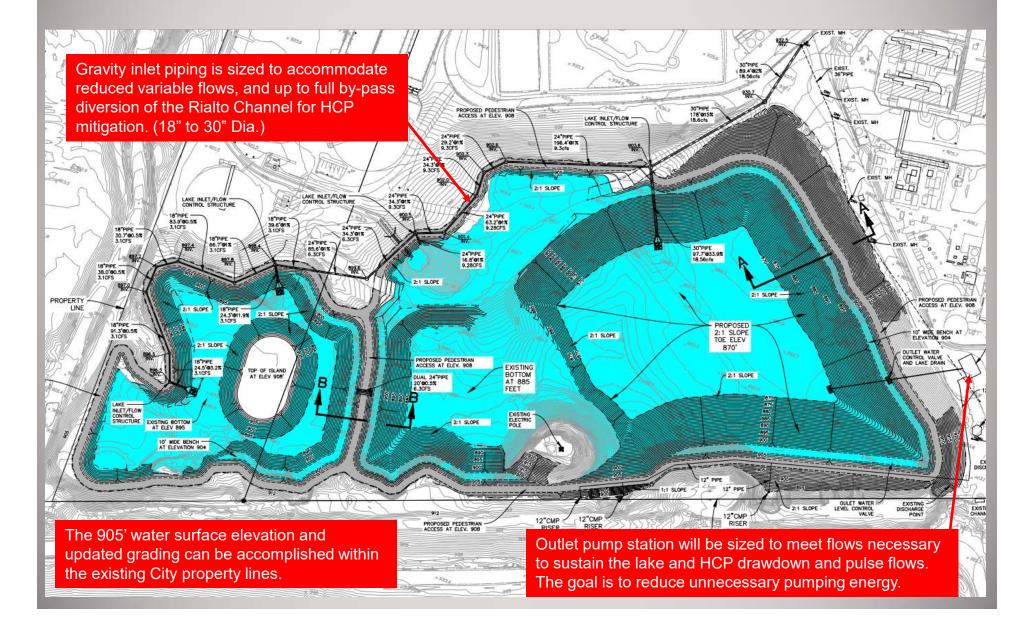
More detailed analysis of topography was the focus of the revised grading to accommodate water elevation and perimeter walking trail within the existing property line

Lake Rialto

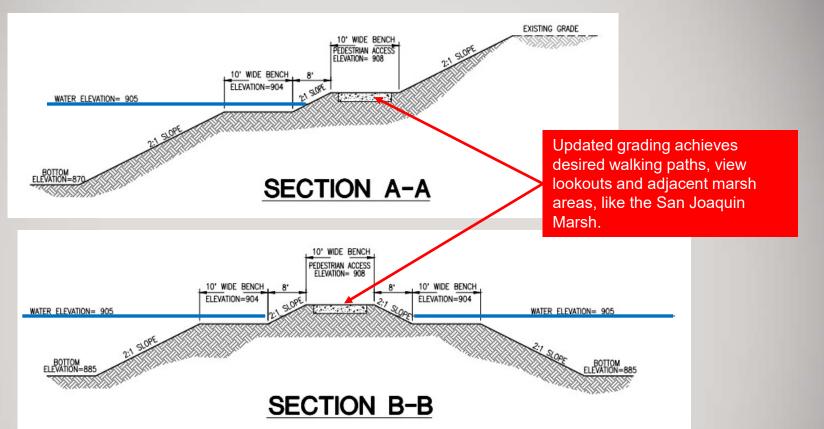
Consideration of Wetland/Upland Interface Cross Section Using a Hybrid of Clay/Soil and Plastic Liner



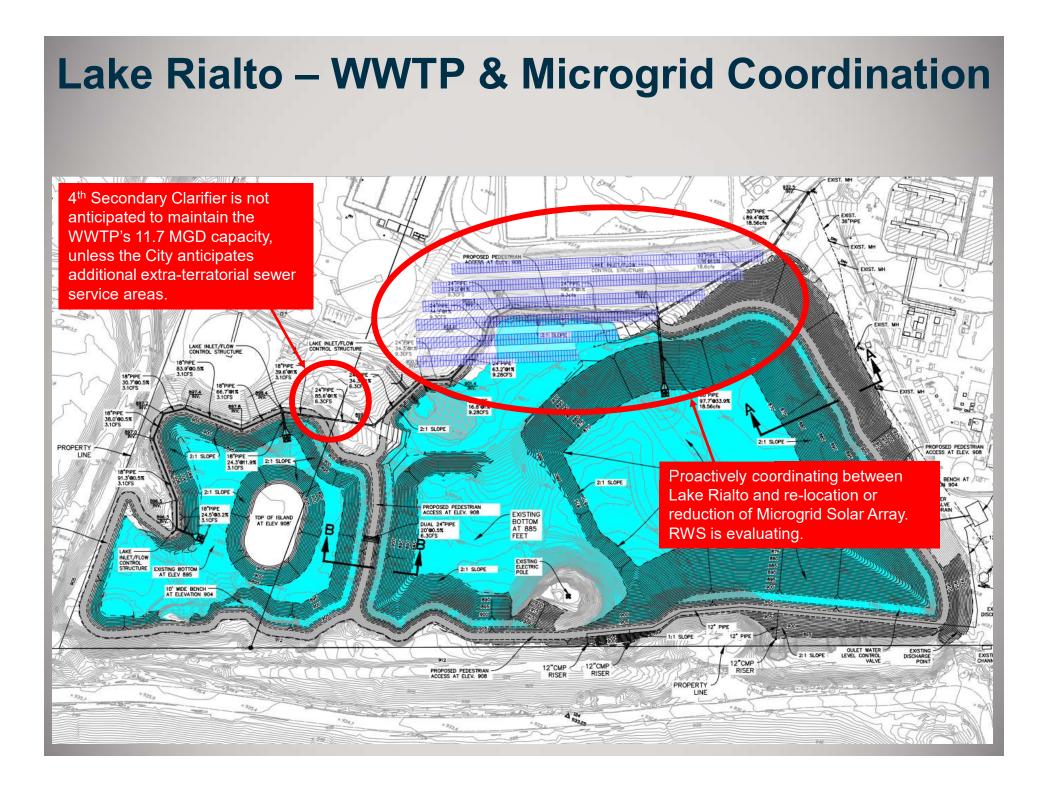
Lake Rialto – Recommended Concept At 905' Water Surface Elevation



Lake Rialto – Cross Sections



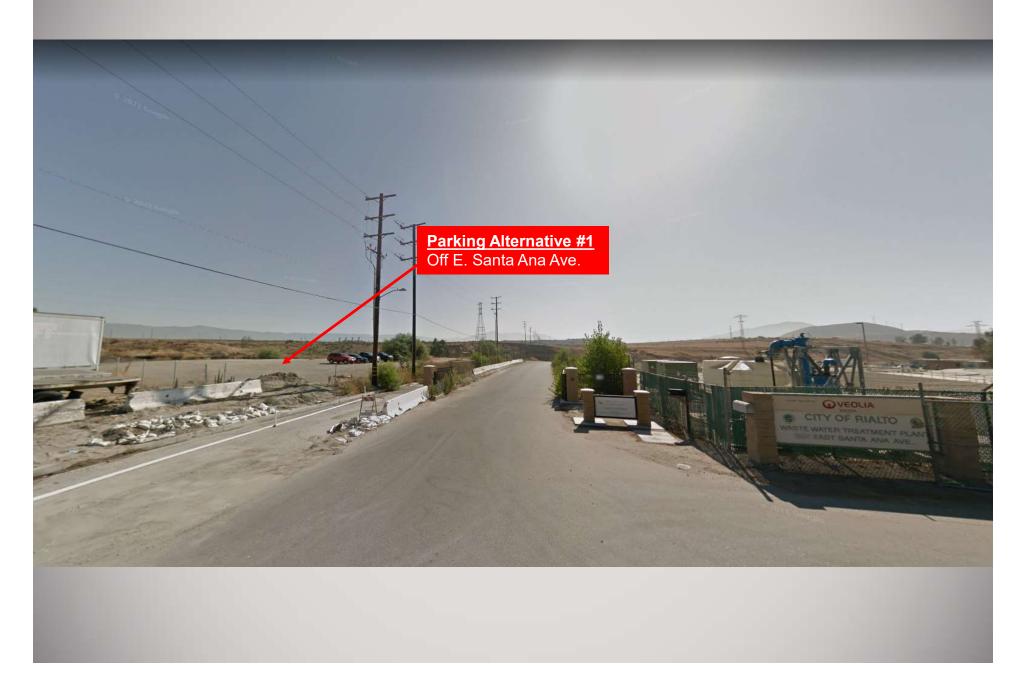




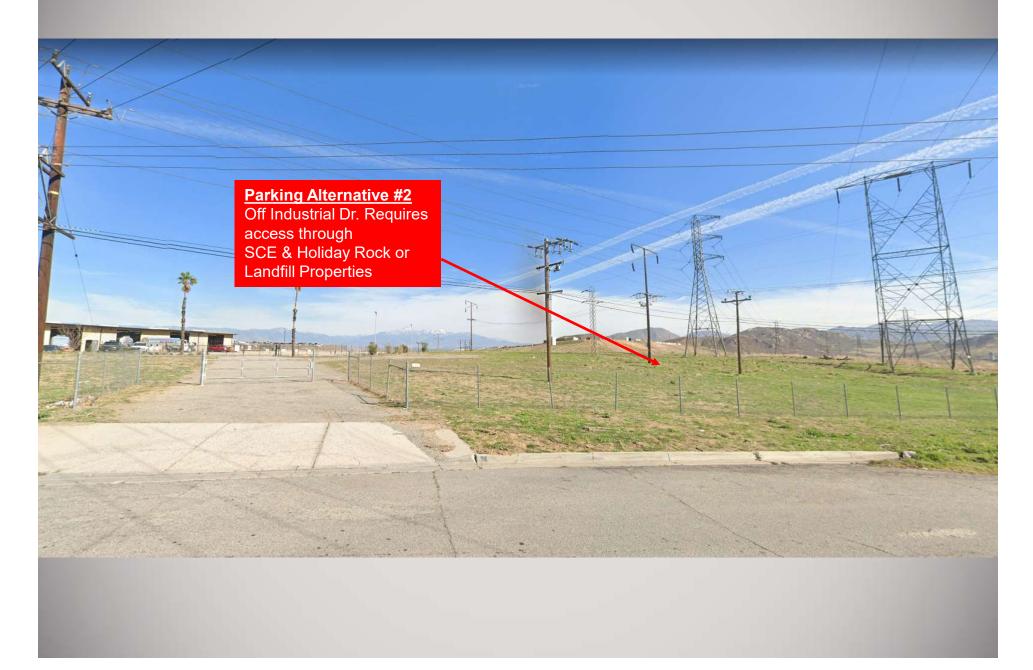
Lake Rialto – Conceptual Parking Alternatives



Lake Rialto – Conceptual Parking Alternative 1



Lake Rialto – Conceptual Parking Alternative 2



Lake Rialto – Conceptual Parking Alternative 3 Recommended Alternative





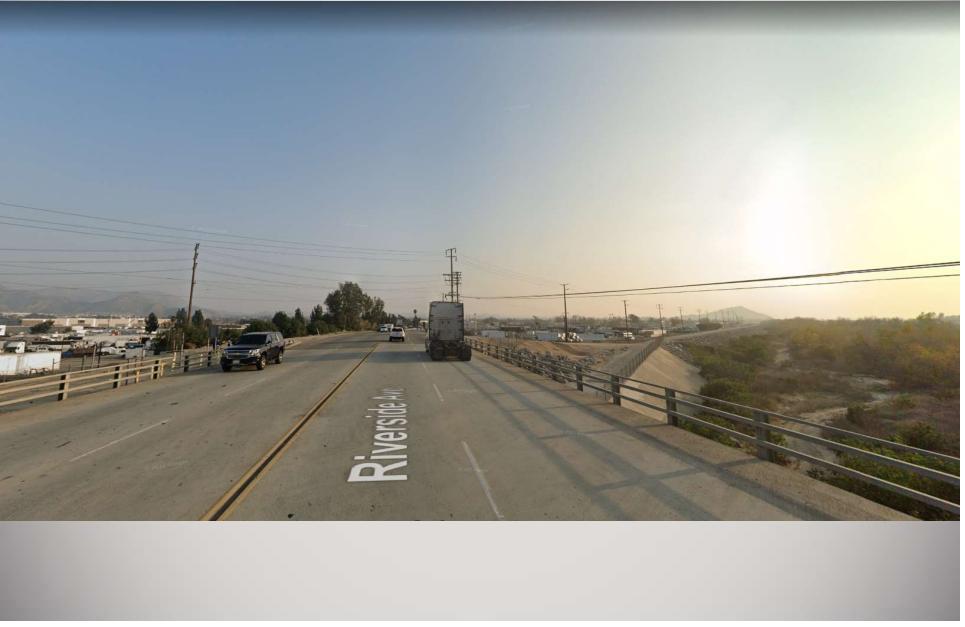
Parking Alternative #3 On Agua Mansa Rd. via On-Street Parking or in SCE easement. Could require a pedestrian bridge over Rialto Channel if parking is on east side

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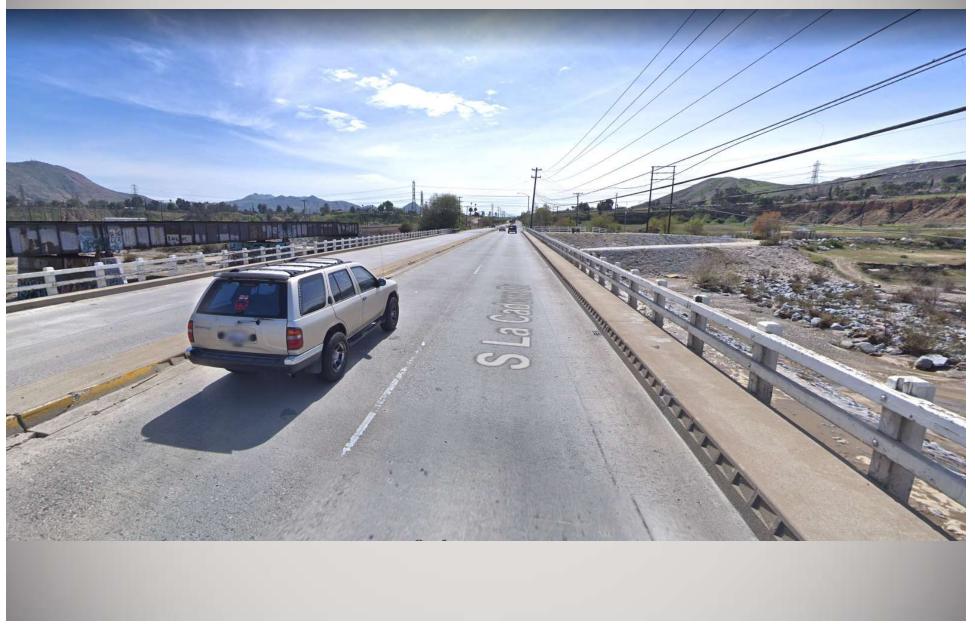
Conceptual Connections to the Santa Ana River Trail – Bike Lane Cross Section

- Connection from the Santa Ana River Trail to Lake Rialto
 Considered the four closest alternatives:
 - Riverside Avenue
 - La Cadena Avenue
 - Mount Vernon Avenue
 - Market Street
- Existing bridges do not appear to provide sufficient width for new bike lanes or sidewalks. Narrow sidewalks do exist on the southbound sides of La Cadena and Mount Vernon. North and South bound bike and pedestrian access to/from Lake Rialto and the Santa Ana River Trail does not appear feasible using the current configuration of existing bridges.

Conceptual Connections to the Santa Ana River Trail – Riverside Avenue



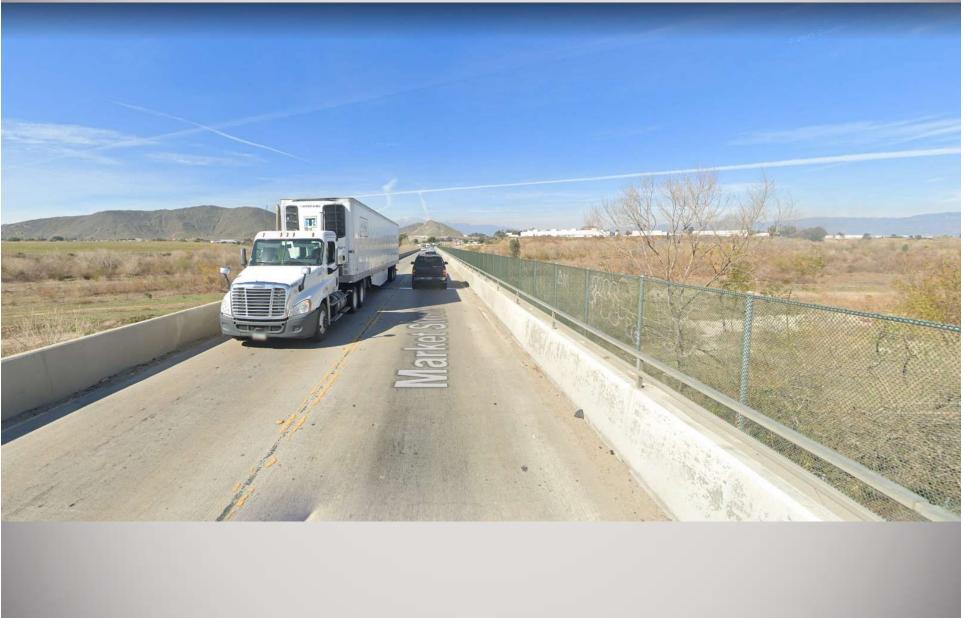
Conceptual Connections to the Santa Ana River Trail – La Cadena Drive



Conceptual Connections to the Santa Ana River Trail – Mount Vernon Avenue



Conceptual Connections to the Santa Ana River Trail – Market Street



Completion of Preliminary Design

Completed Scope Tasks Include:

- **Pre-Design Evaluation**
- Site Design Level Survey •
- **Base Geotechnigal Engineering** •
- **Preliminary Grading Plan & Infrastructure** •
- **Preliminary Cost Estimate** •
- Funding & Grant Strategy •

Considerations for Final Design

Final Design Items - Considerations for City to Proceed to Final Design •

- Grant assistance is on-going
 - Should the project be shovel ready?
 - Time to prepare CEQA/NEPA
- Bulk plantings will require final design to in order to begin contract growing with nurseries. Needed plants not available in bulk •

 - Could take 6 to 12 months for contract growing, prior to planting on-site
- Supply chain and availability challenges for: •
 - Pumps
 - Valves
 - **Electronics**
 - Lake Liner
- Coordination and cost participation by other agencies
 - HCP
 - **SNMP**

Questions/Direction?