



*Arts & Innovation*

# Mission Inn Booster Project

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Riverside Public Utilities

Community Meeting

November 18, 2015

# Mission Inn Booster Station

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- Project Description
- Benefits
- Location
- Timeline

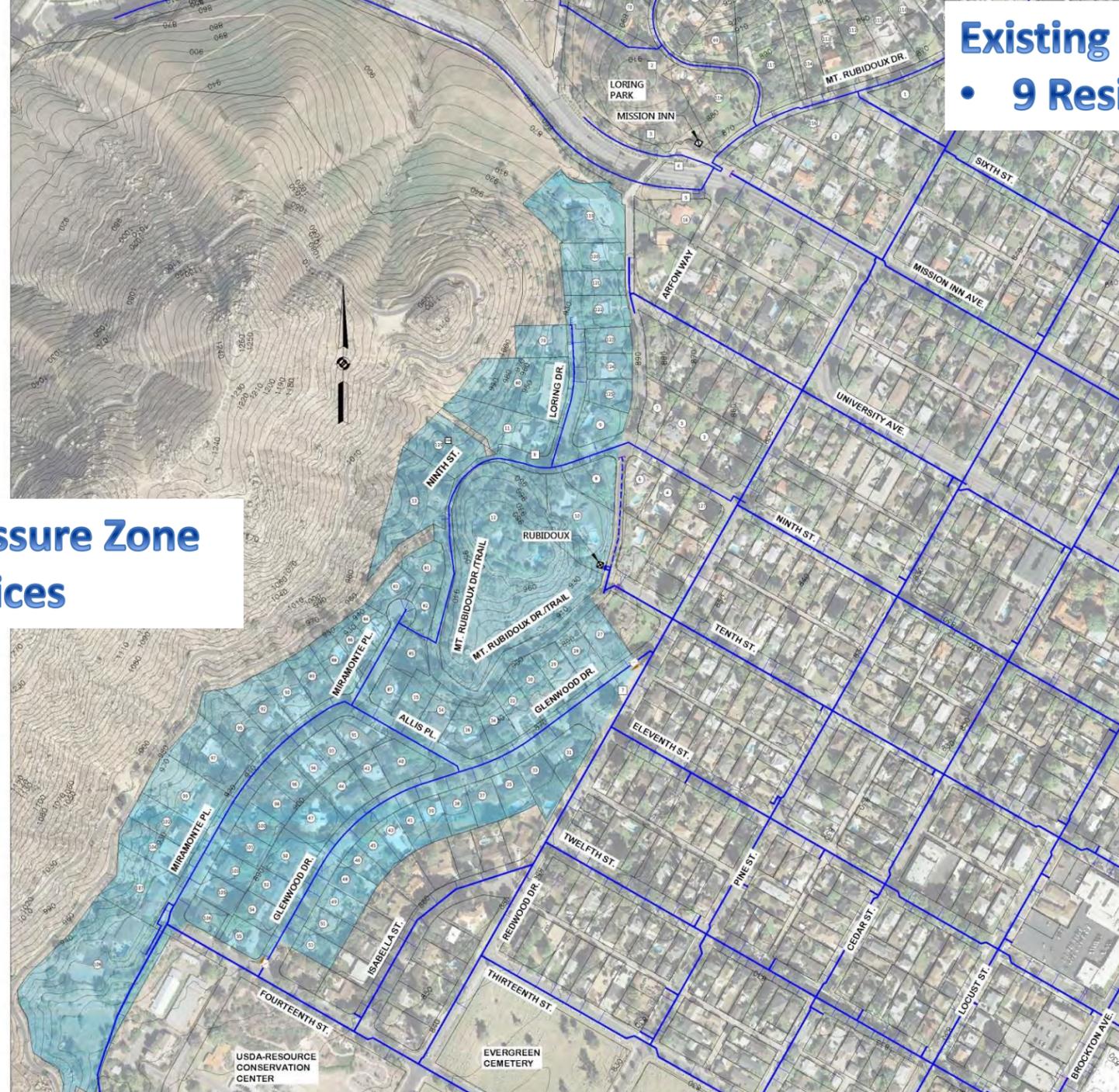


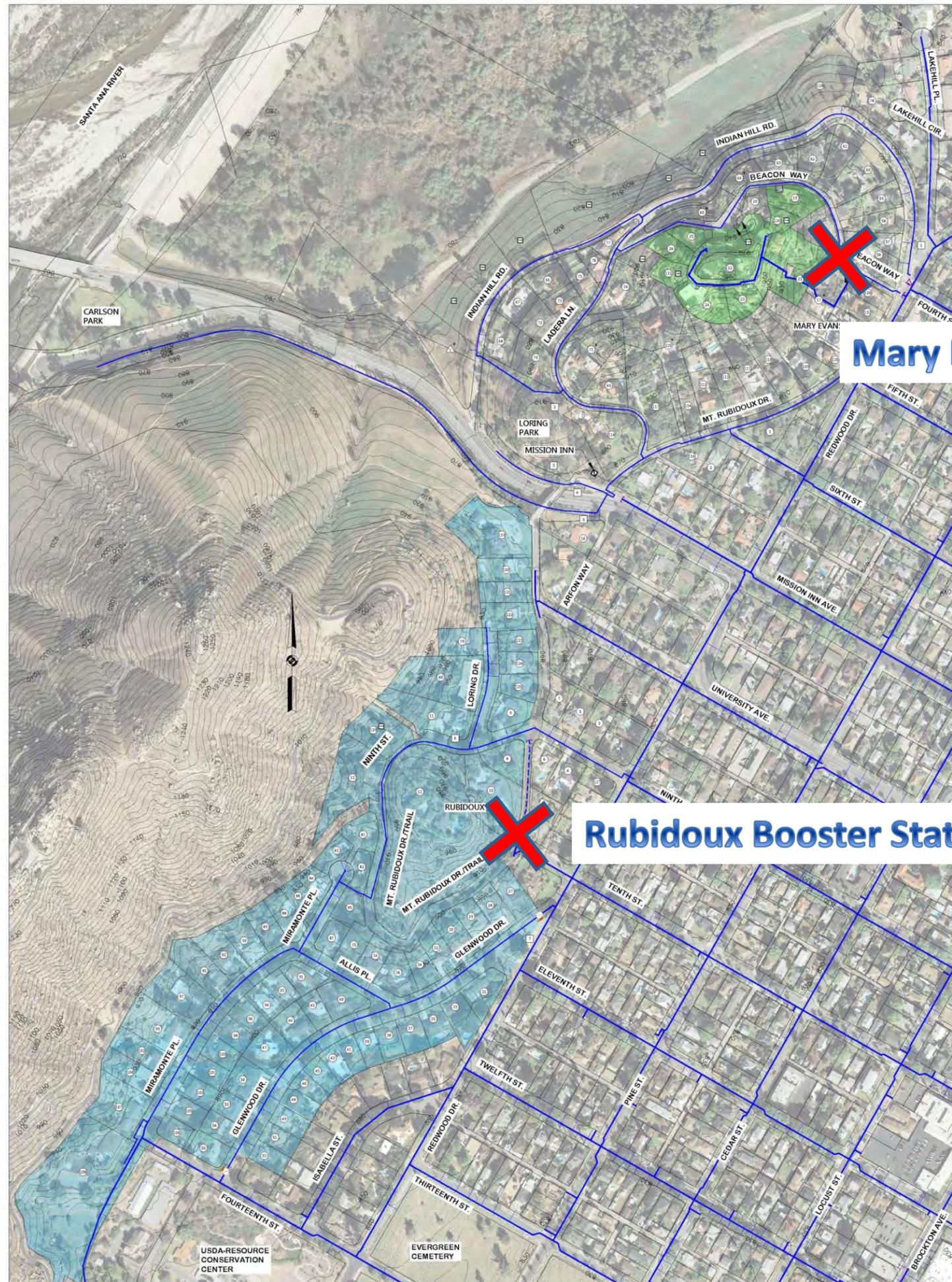
## Existing Mary Evans Pressure Zone

- 9 Residential Services

## Existing Rubidoux Pressure Zone

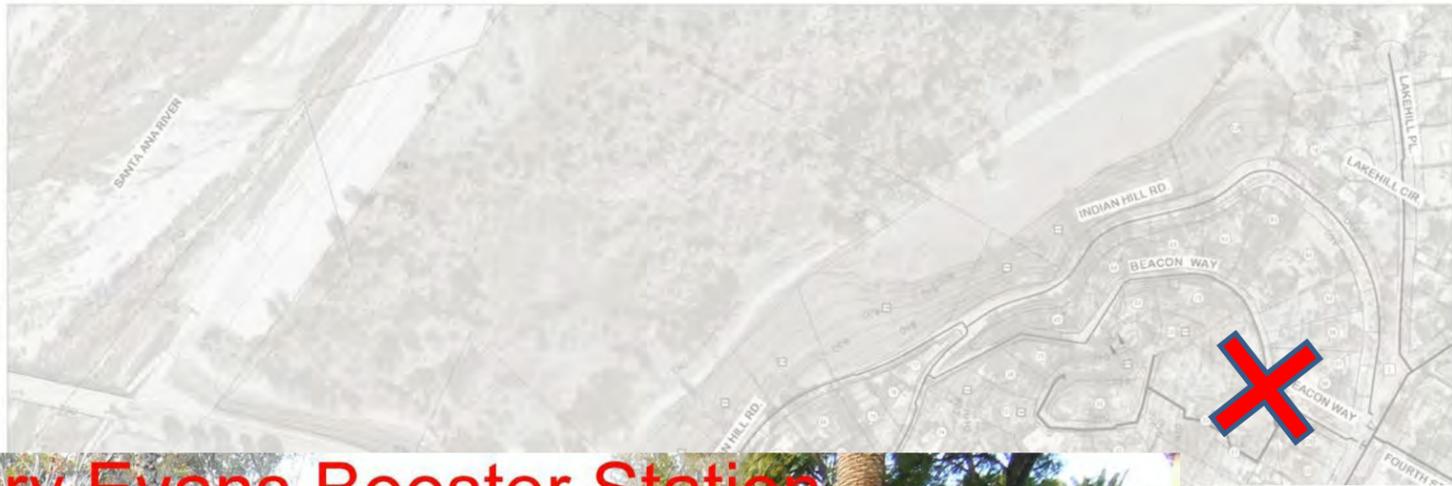
- 75 Residential Services





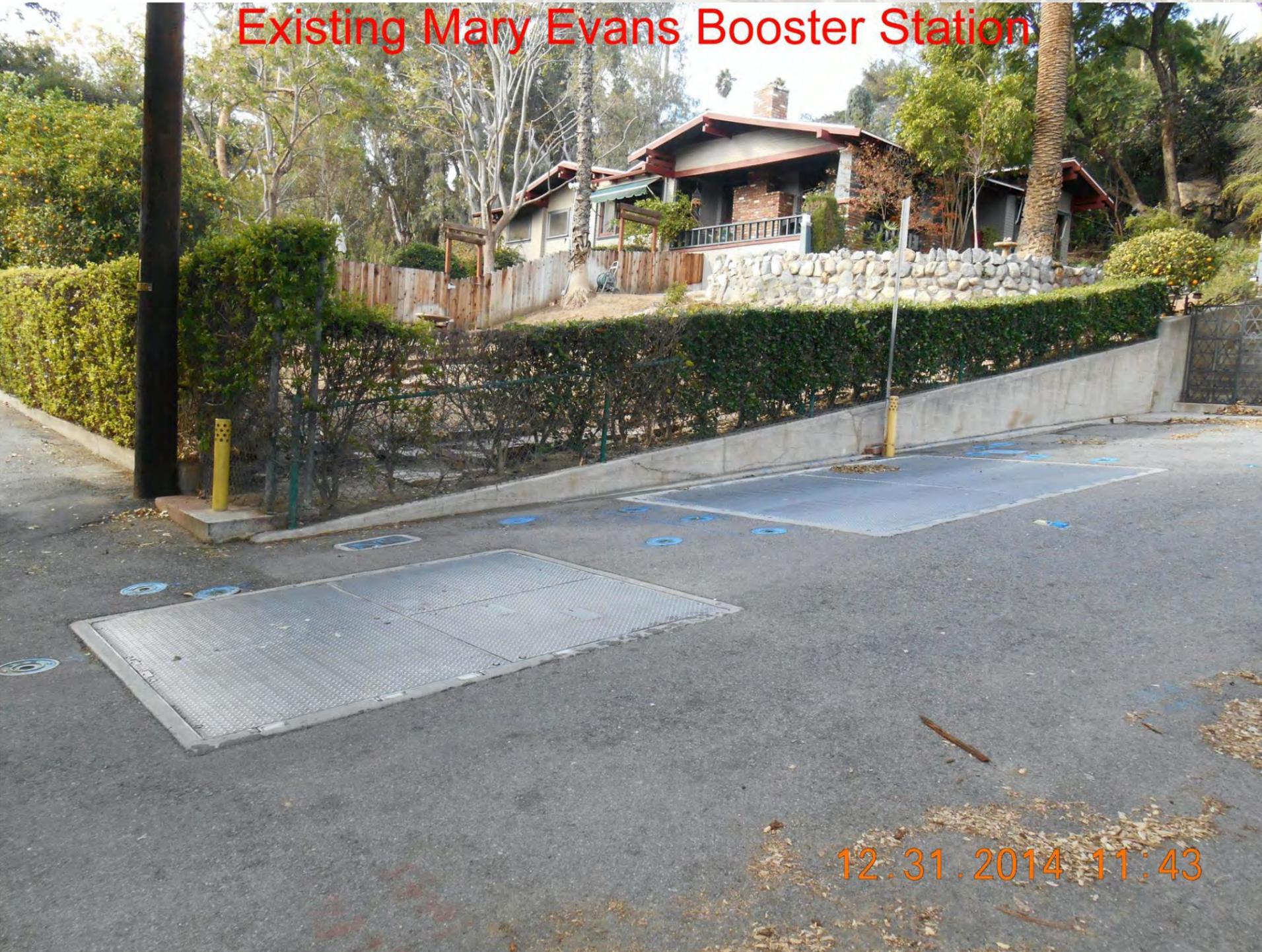
**Mary Evans Booster Station (Existing)**

**Rubidoux Booster Station (Existing)**

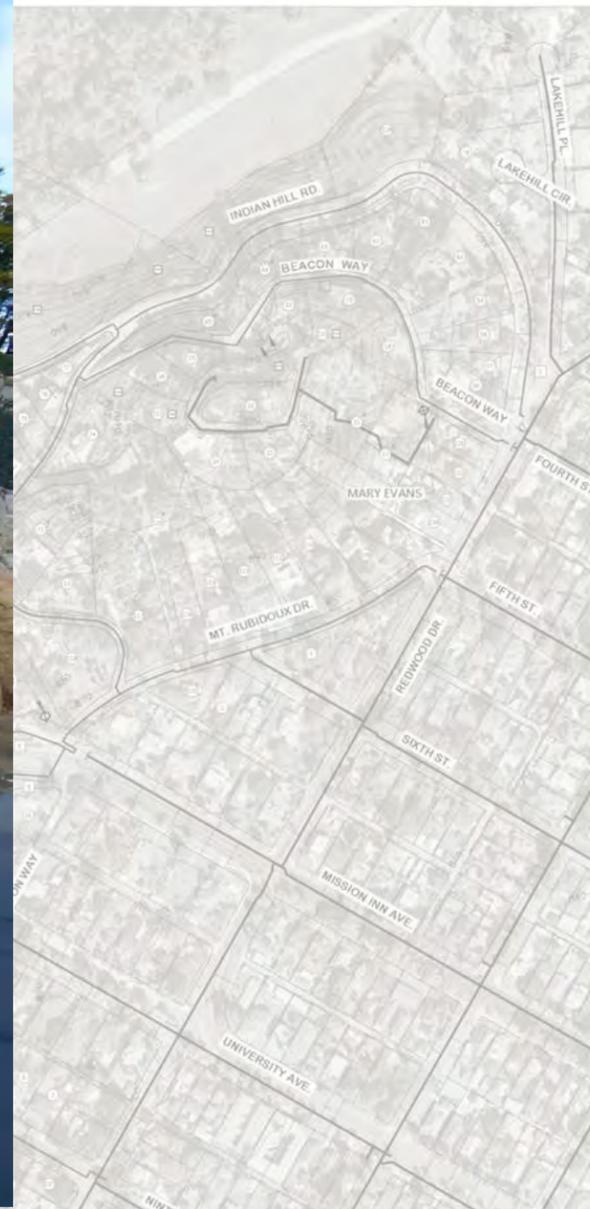


Existing Mary Evans Booster Station

Mary Evans Booster Station (Existing)

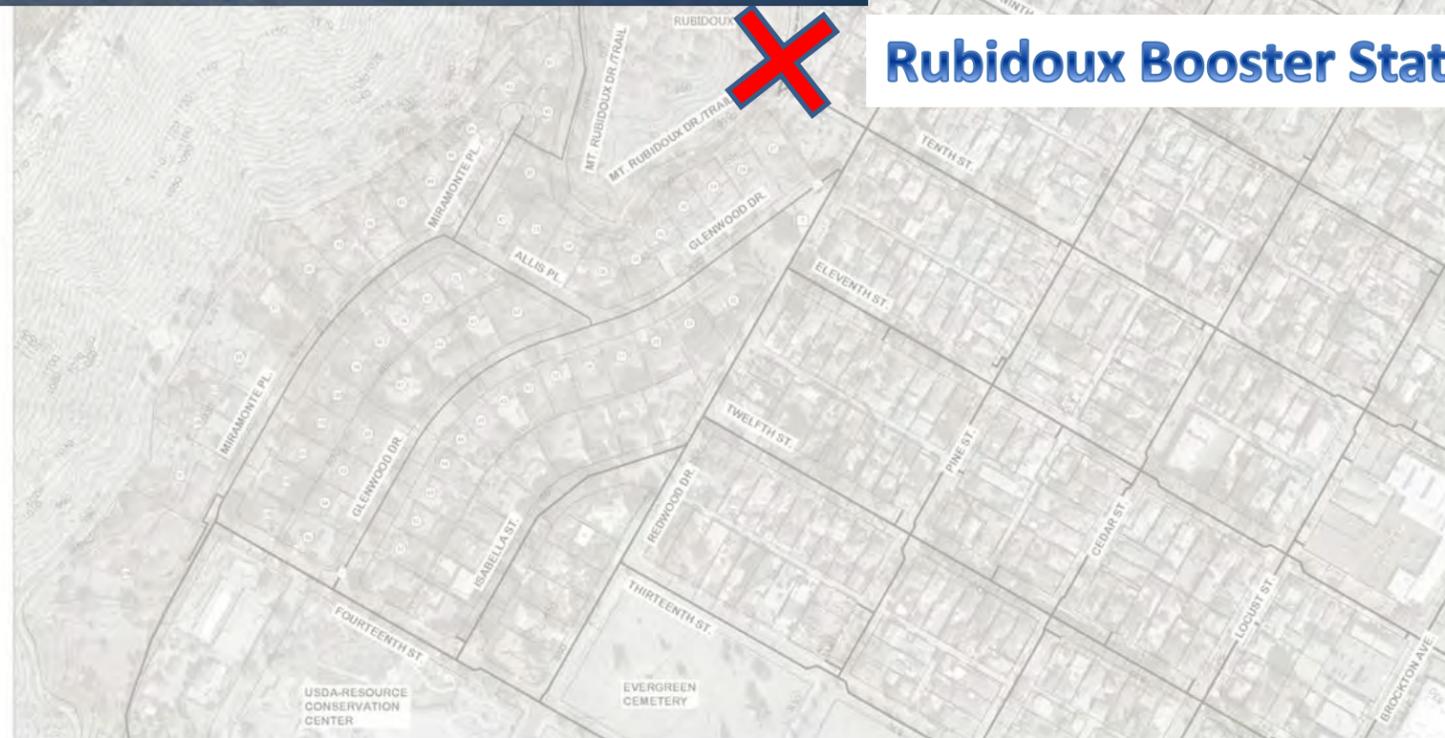


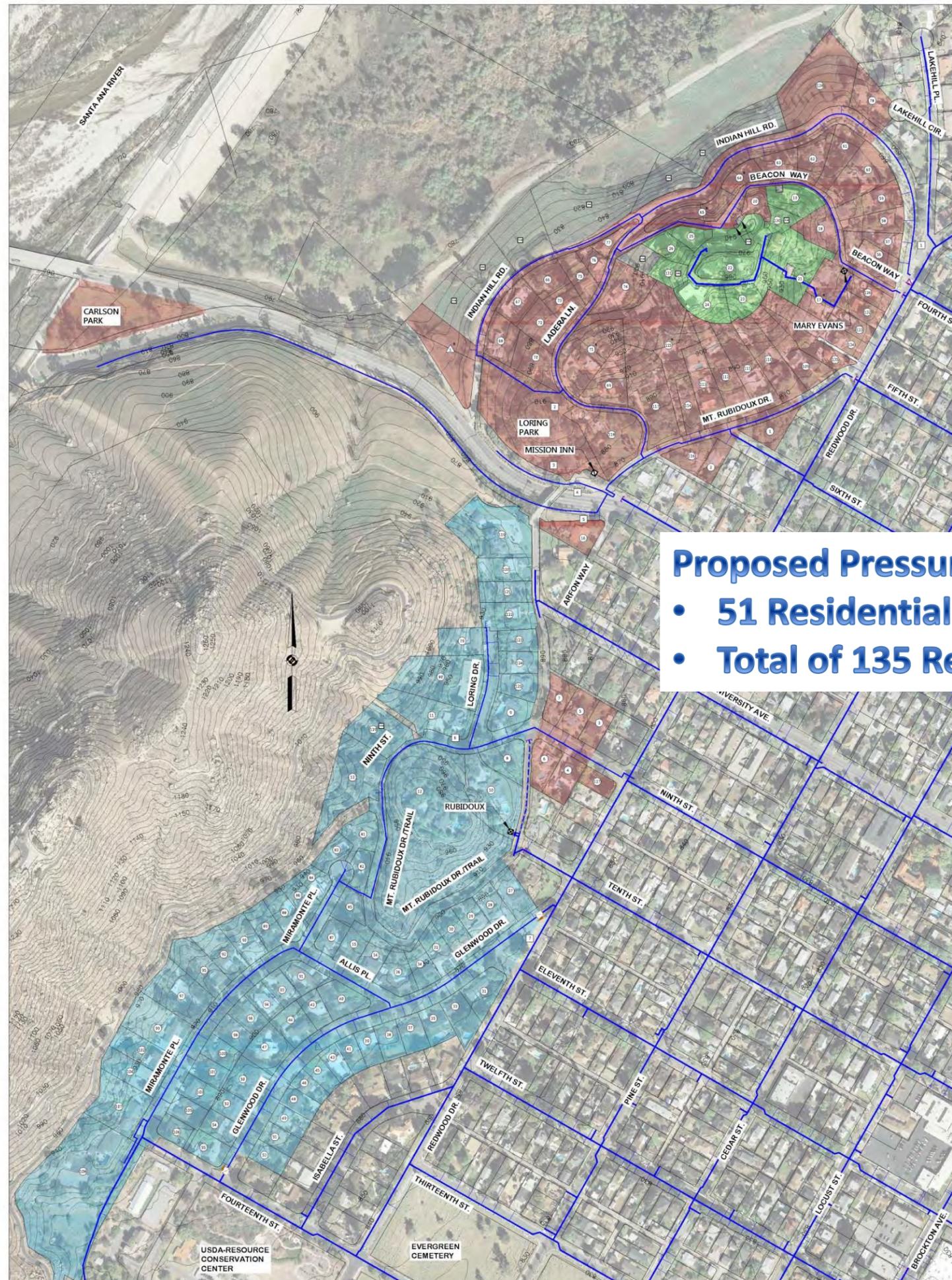
# Existing Rubidoux Booster Station



12.31.2014 11:23

**Rubidoux Booster Station (Existing)**





### Proposed Pressure Zone

- 51 Residential Services from 997 Pressure Zone
- Total of 135 Residential Services

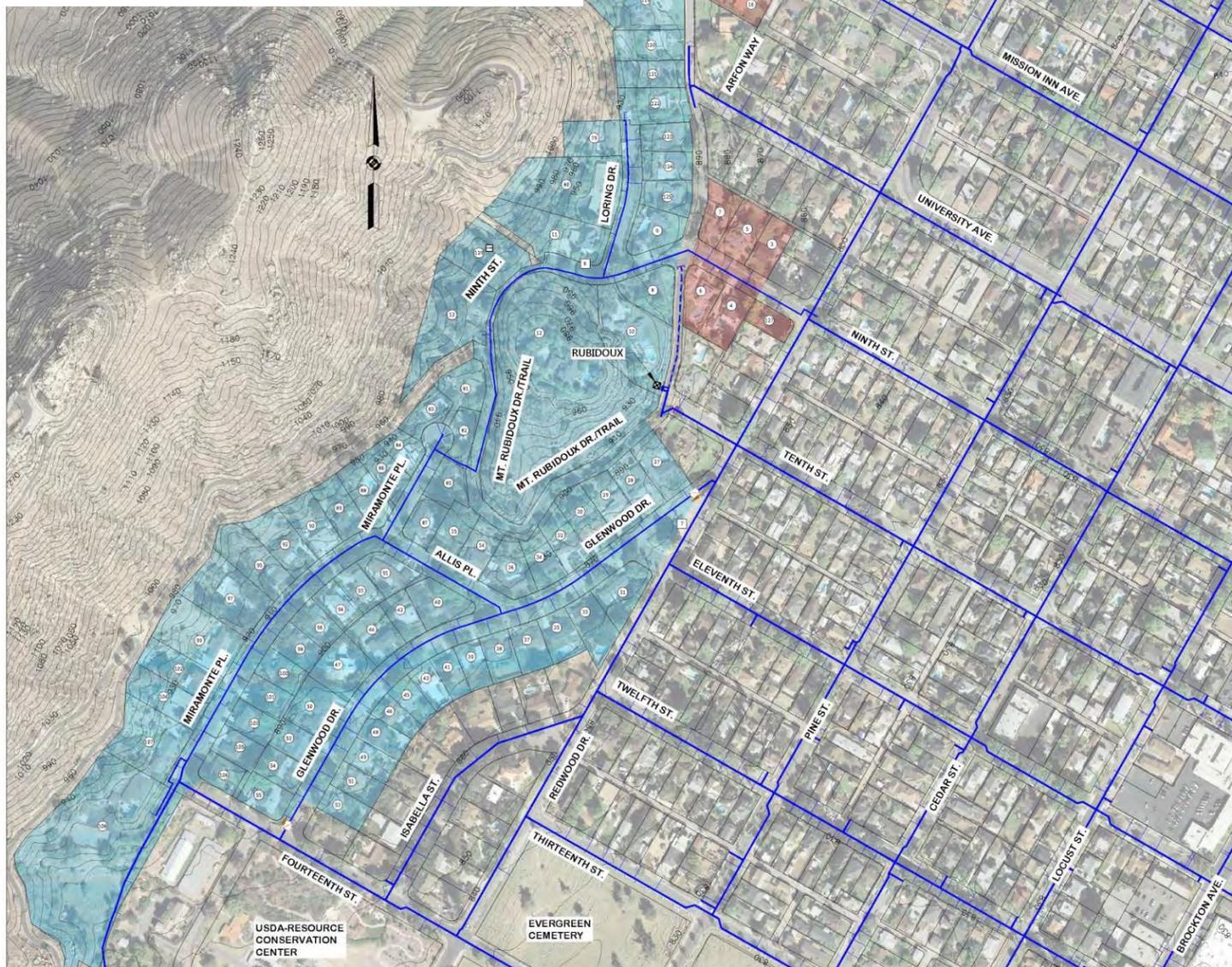
WATER | ENERGY | LIFE



CITY OF RIVERSIDE  
PUBLIC UTILITIES



## Mission Inn Booster Station (Proposed)



WATER | ENERGY | LIFE



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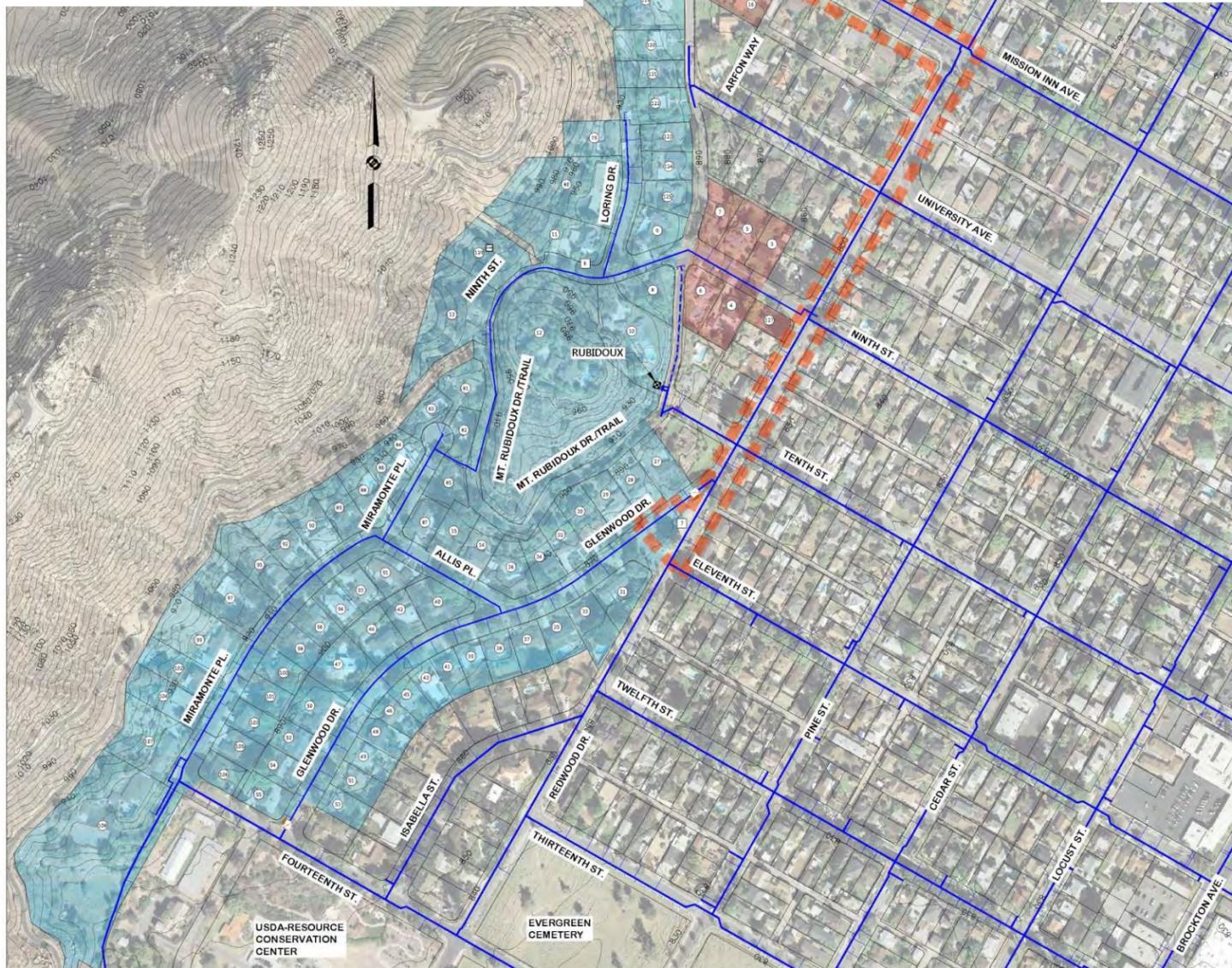


PUBLIC UTILITIES



**Mission Inn Booster Station  
(Proposed)**

**New Pipelines**



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PUBLIC UTILITIES

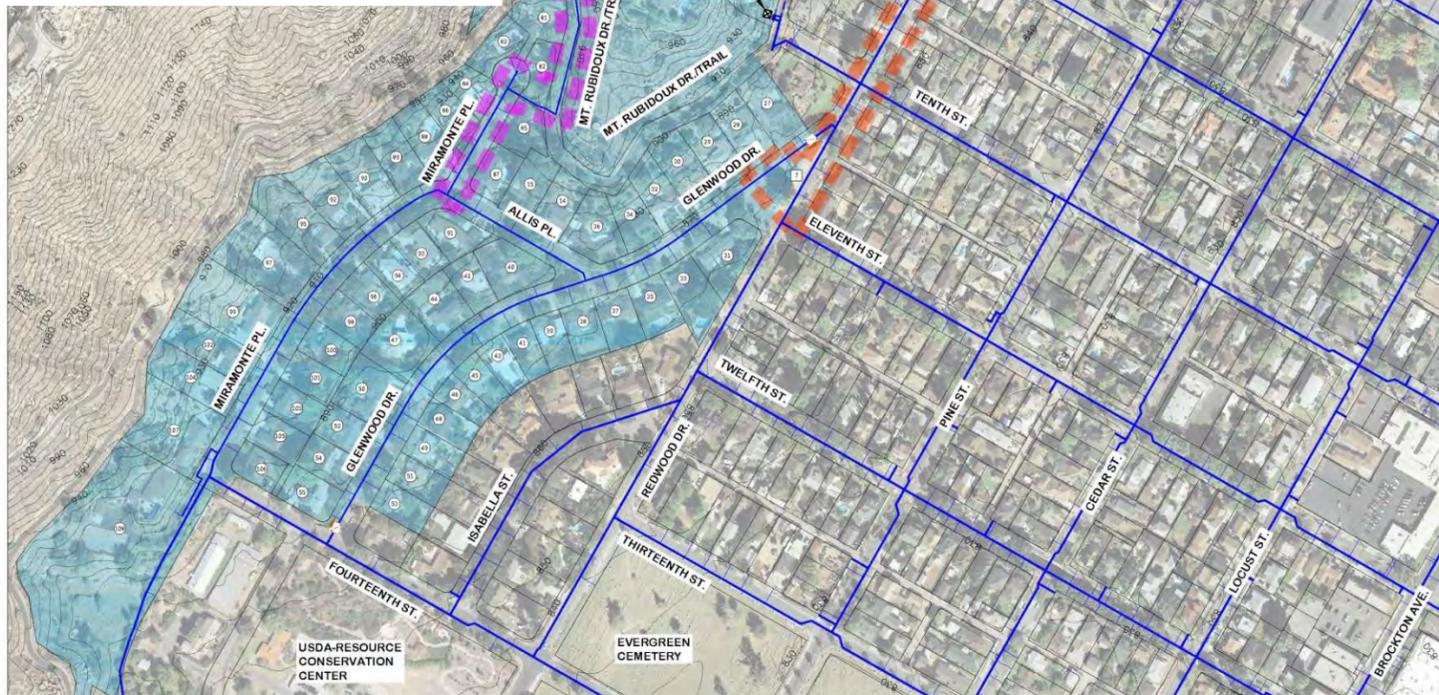


**Mission Inn Booster Station  
(Proposed)**

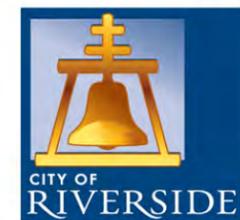
**New Pipelines**



**Pipeline Replacements**



WATER | ENERGY | LIFE



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RIVERSIDE



PUBLIC UTILITIES

# Project Description

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- Construct One (1) new booster station
  - Mission Inn
- Abandon Two (2) existing booster stations
  - Mary Evans
  - Rubidoux
- Construct new 8 and 12-inch water pipelines
- Replace aged and undersized pipelines
- Consolidate two small pressure zones

# Project Benefits

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- Improved fire flow
- Improved water service reliability
- Improved water pressure to facilitate irrigation of Loring Park
- Improved water pressure for some residents



- Existing Booster Station
- Transmission Main
- Distribution Main
- Existing Rubidoux 1066
- Existing Mary Evans 1150
- Gravity East, North 997

Existing Mary Evans Booster  
Limits Operation of Linden/Evans Reservoirs

Improved Service Pressures

Existing MARY EVANS BOOSTER

Improved Fire Flow Capacity to Residential Customers

Existing RUBIDOUX BOOSTER

**Rubidoux & Mary Evans Rezoning**  
 Figure 1  
 Existing System Overview Map

0 275 550 1,100  
 Feet

WATER | ENERGY | LIFE



**Riverside Public Utilities**  
 Water Division

# Aesthetics Are Important

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- Building Design to blend with current surroundings
- Block wall façade will be near match to historic walls on Mt. Rubidoux Drive
- Two (2) old Carob Trees to be removed
- Two (2) new trees to be planted
- New landscaping will screen facilities

# Building Wall Façade



11.12.2015 17:22



11.12.2015 17:25

# Proposed Location

- Corner of Mt. Rubidoux Dr. and Mission Inn Avenue
- Within Public Right-of-Way & Loring Park

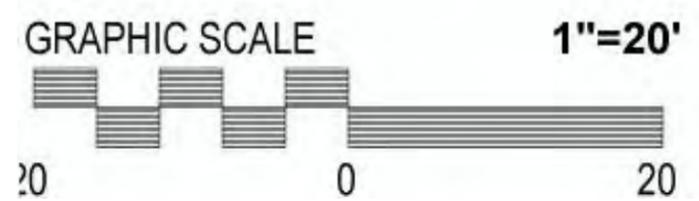




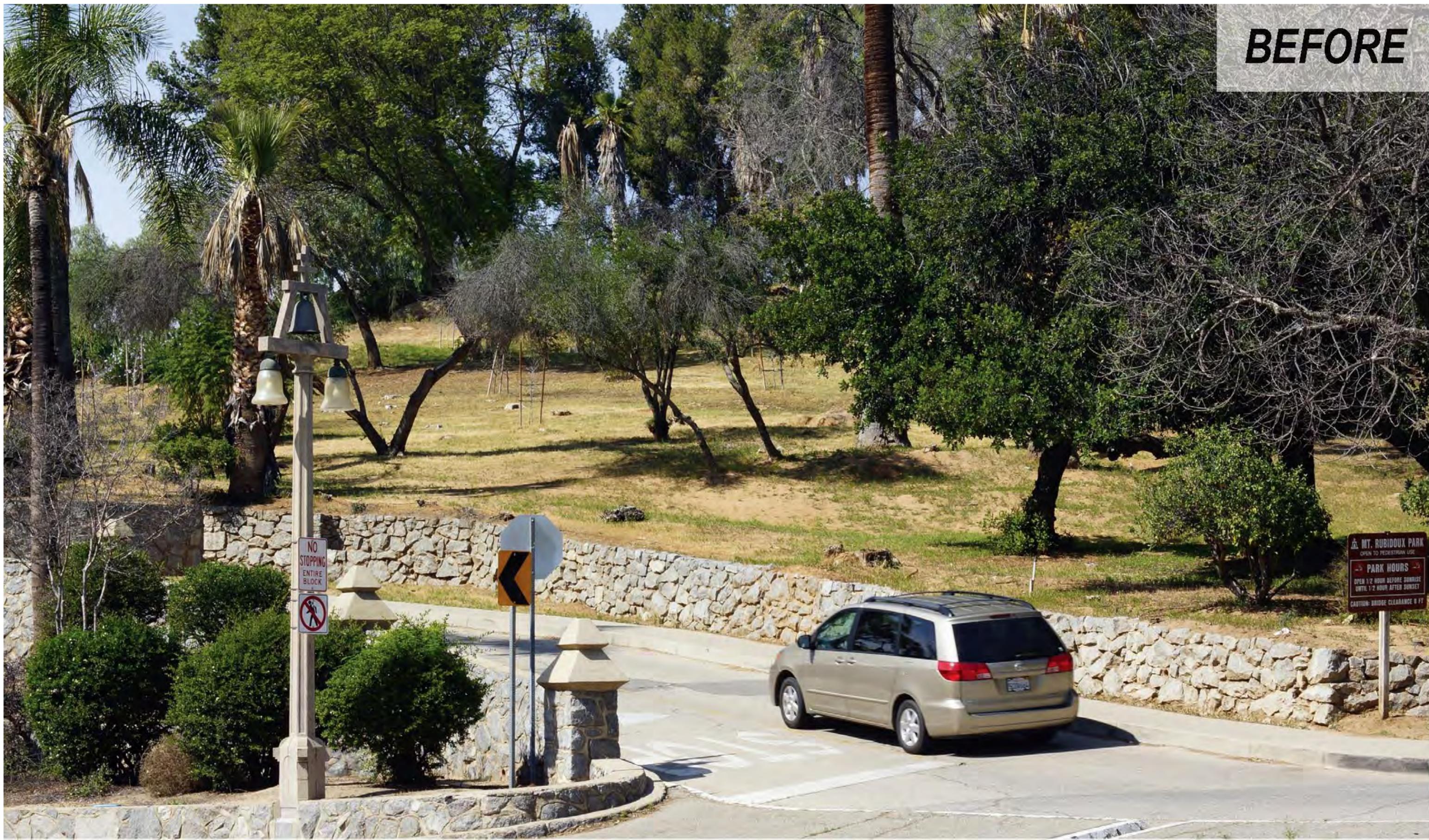
- RETAINING WALL WITH CABLE FENCE SAFETY RAIL
- LOW GROUND COVER
- MEDIUM GRASSES
- SCREENING HEDGE

- PROPOSED BUILDING STRUCTURE
- DECOMPOSED GRANITE SURFACE
- PROPOSED TRANSFORMER
- EXISTING ROCK WALL

*Mt. Rubidoux Dr.*



**BEFORE**



**MISSION INN BOOSTER STATION // CONCEPTUAL LANDSCAPE // SCENE 1**

**NEW INSTALL**



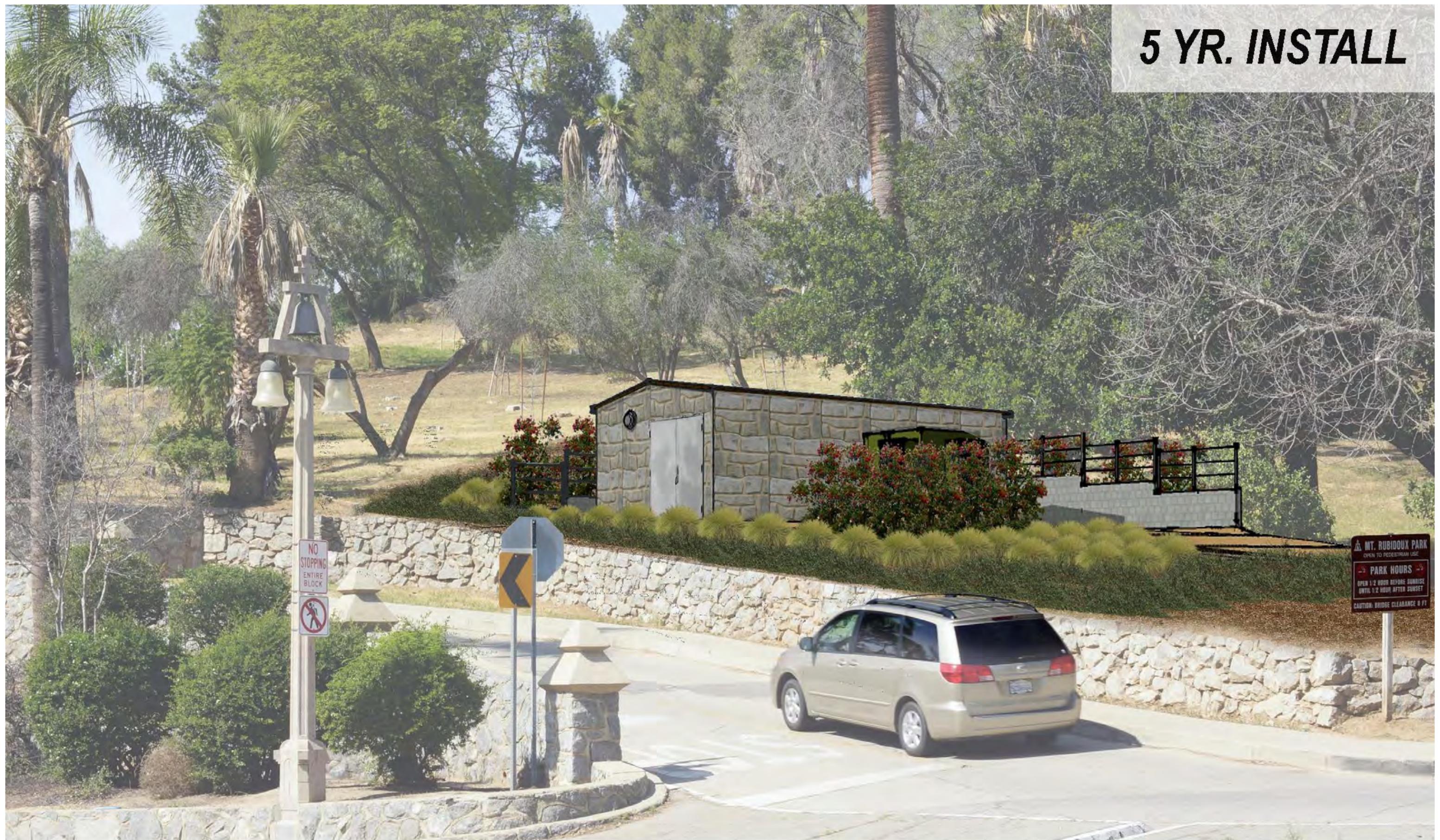
**MISSION INN BOOSTER STATION // CONCEPTUAL LANDSCAPE // SCENE 1**

**1 YR. INSTALL**



**MISSION INN BOOSTER STATION // CONCEPTUAL LANDSCAPE // SCENE 1**

**5 YR. INSTALL**



**MISSION INN BOOSTER STATION // CONCEPTUAL LANDSCAPE // SCENE 1**

# Project Timeline

Milestones	Estimated Dates
Environmental Impact Documents Finalized and Released (CEQA)	Within Next 3 Months
City Council CEQA Approval	Spring 2016
RPU Board Project Approval	Early Summer 2016
Tentative Project Start	Summer 2016

# Thank you!

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## Questions?

Project Contact: Andrew Markis

951.826.5311

[amarkis@riversideca.gov](mailto:amarkis@riversideca.gov)

[RiversidePublicUtilities.com](http://RiversidePublicUtilities.com)

