



Board of Directors

# Award a Valve Procurement Contract for the Rehabilitation of Service Connection CB-11

Item 7-1

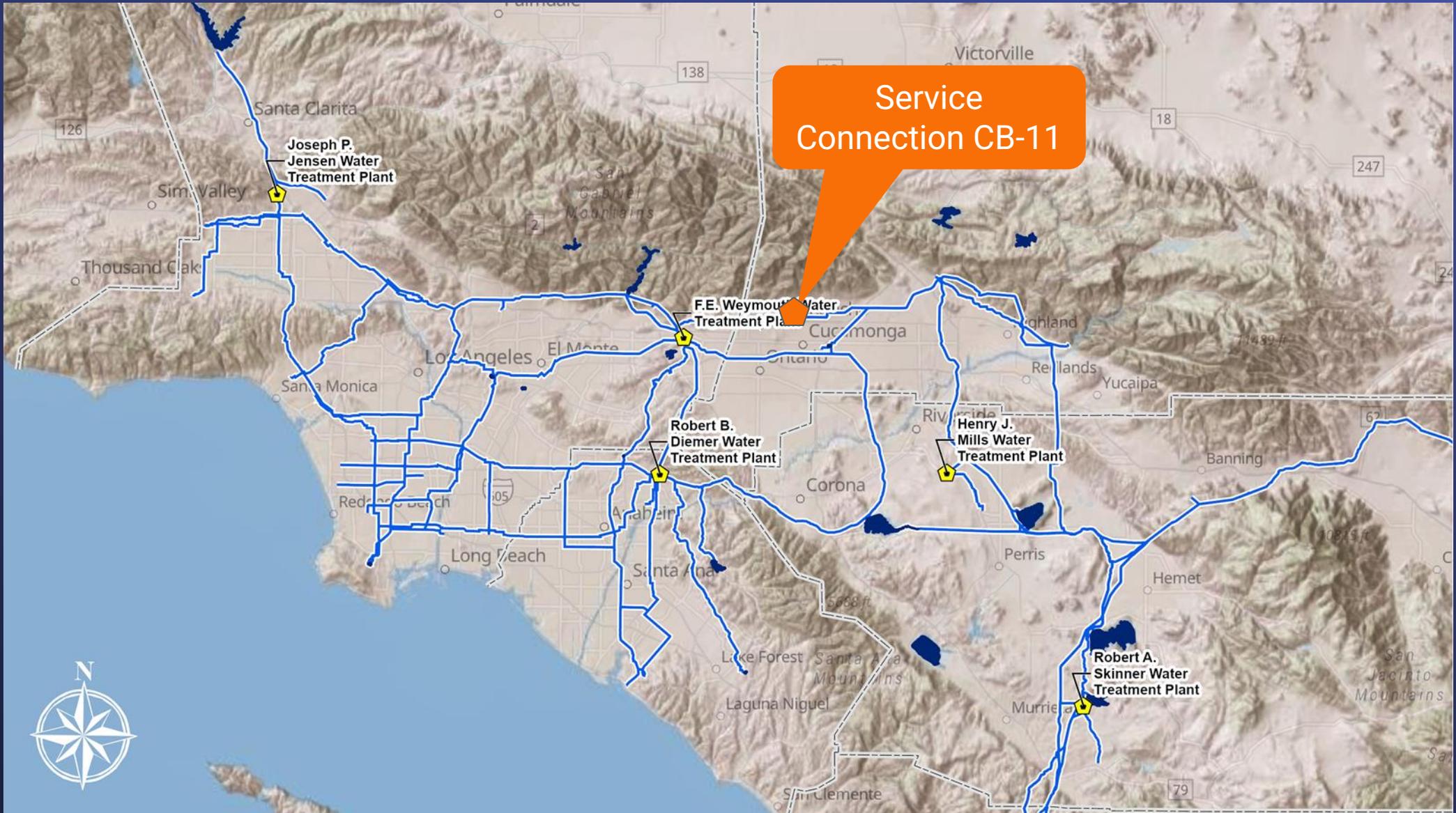
February 13, 2023

# Rehabilitation of Service Connection CB-11

## Current Action

- Award a \$407,800.33 procurement contract to Cascade Consultants, LLC for a 20-inch diameter triple offset ball valve to rehabilitate Service Connection CB-11

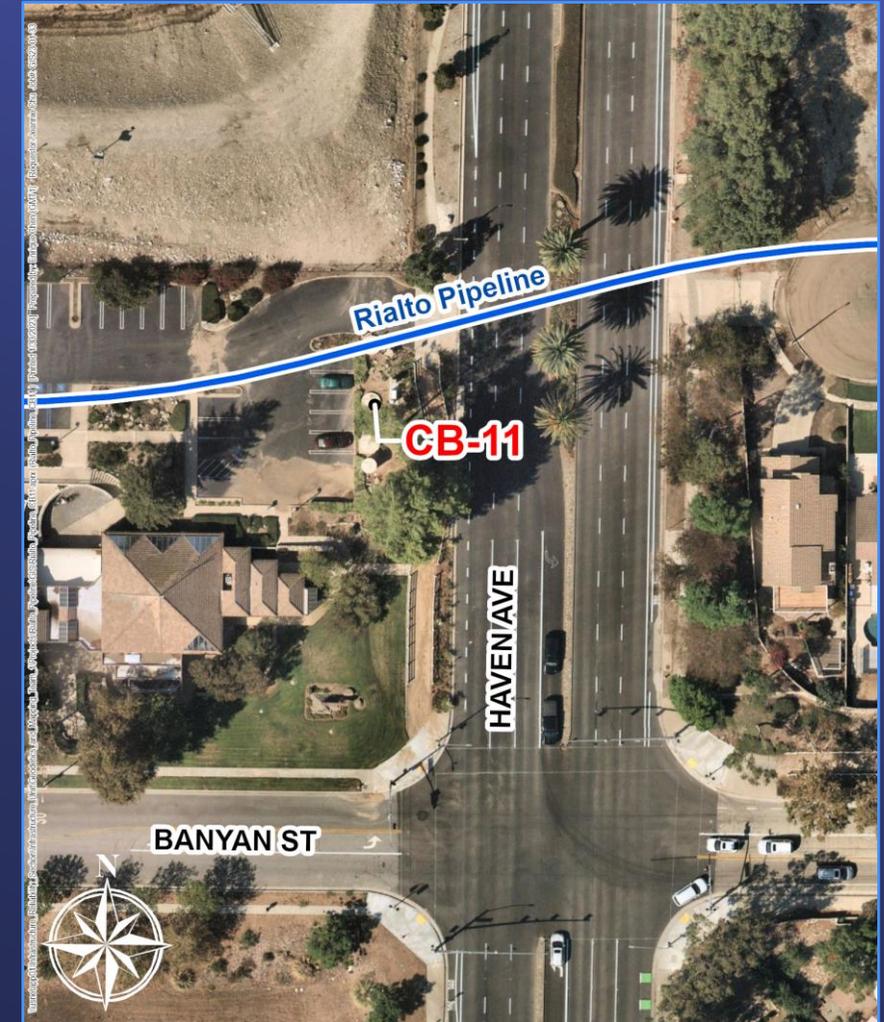
# Distribution System



# Rehabilitation of Service Connection CB-11

## Background

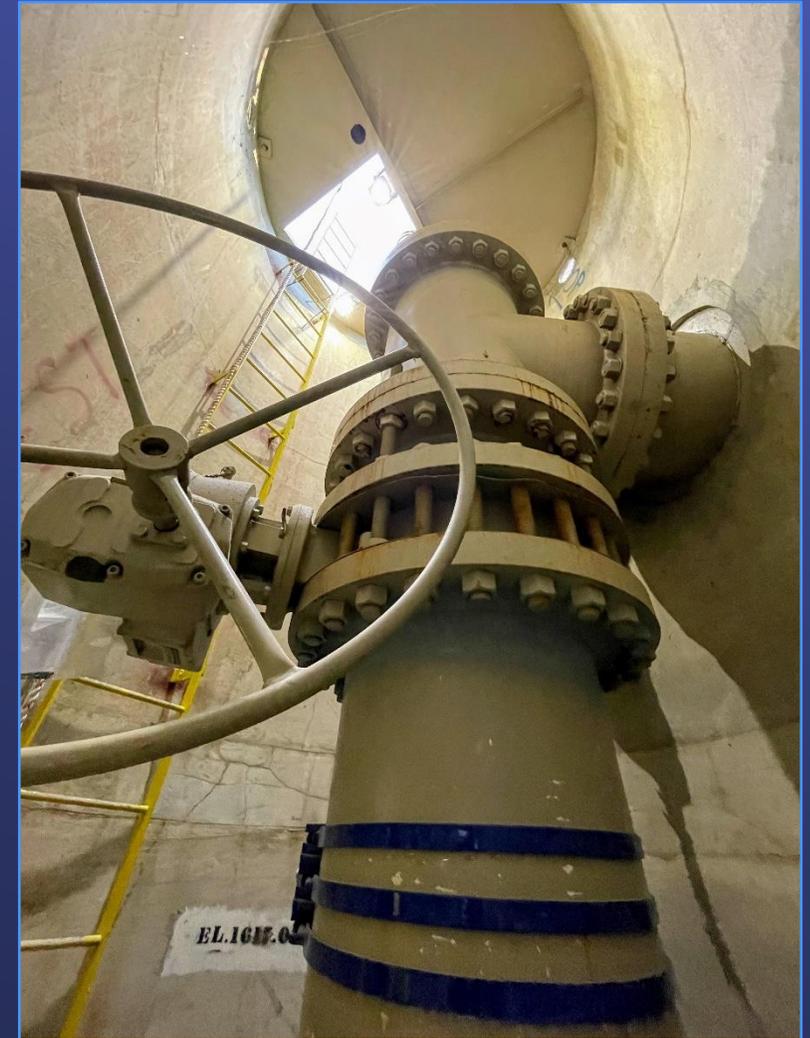
- Located in Rancho Cucamonga along the Rialto Pipeline
- Originally designed as a pump well for dewatering purposes
- Modified in 2005 to function as a service connection
  - Replaced 16-inch diameter lubricated plug valve with 24-inch diameter butterfly valve



CB-11 Map

# Project Scope

- Replaces existing butterfly valve with a 20-inch triple offset full-port ball valve
  - Maintains required service connection flow capacity
  - Allows an 8-inch dewatering pump to be inserted directly into the pipeline
  - Shortens dewatering duration by 24 hours
- Permanently repairs leaks identified in the structure's piping
- Replaces a deteriorated 35-foot-long segment of pipe on Rialto Pipeline



CB-11 Structure

## Rehabilitation of Service Connection CB-11

### Valve Procurement & Installation

- Valve fabrication & delivery expected to take up to 54 weeks
- Delivery scheduled for March 2024
- Valve to be installed during 2024/2025 Rialto Pipeline shutdown
- Installed under separate contract



Triple Offset Ball Valve

## Rehabilitation of Service Connection CB-11

### Alternatives Considered

- Considered different types of isolation valves
- Non-rising stem gate valve
  - Full port but did not fit inside existing structure
- 20-inch diameter triple offset ball valve (selected alternative)
  - Full port which allows large dewatering pump to fit through valve body
  - Largest diameter valve that can be installed in existing structure

# Rehabilitation of Service Connection CB-11

## Scope of Work

- Supplier
  - Furnish 20-inch diameter triple offset valve
  - Deliver valve to Weymouth plant
- Metropolitan
  - Submittal review
  - Factory fabrication inspection
  - Offload valve
  - Contract administration & project management

# Bid Results

## Specifications No. 2046

Bids Received	December 21, 2022
No. of Bidders	1
Apparent Low Bidder	Cascade Consultants, LLC
Low Bid	\$407,800.33
Survey of Estimated Bids	\$200,000 – \$300,000

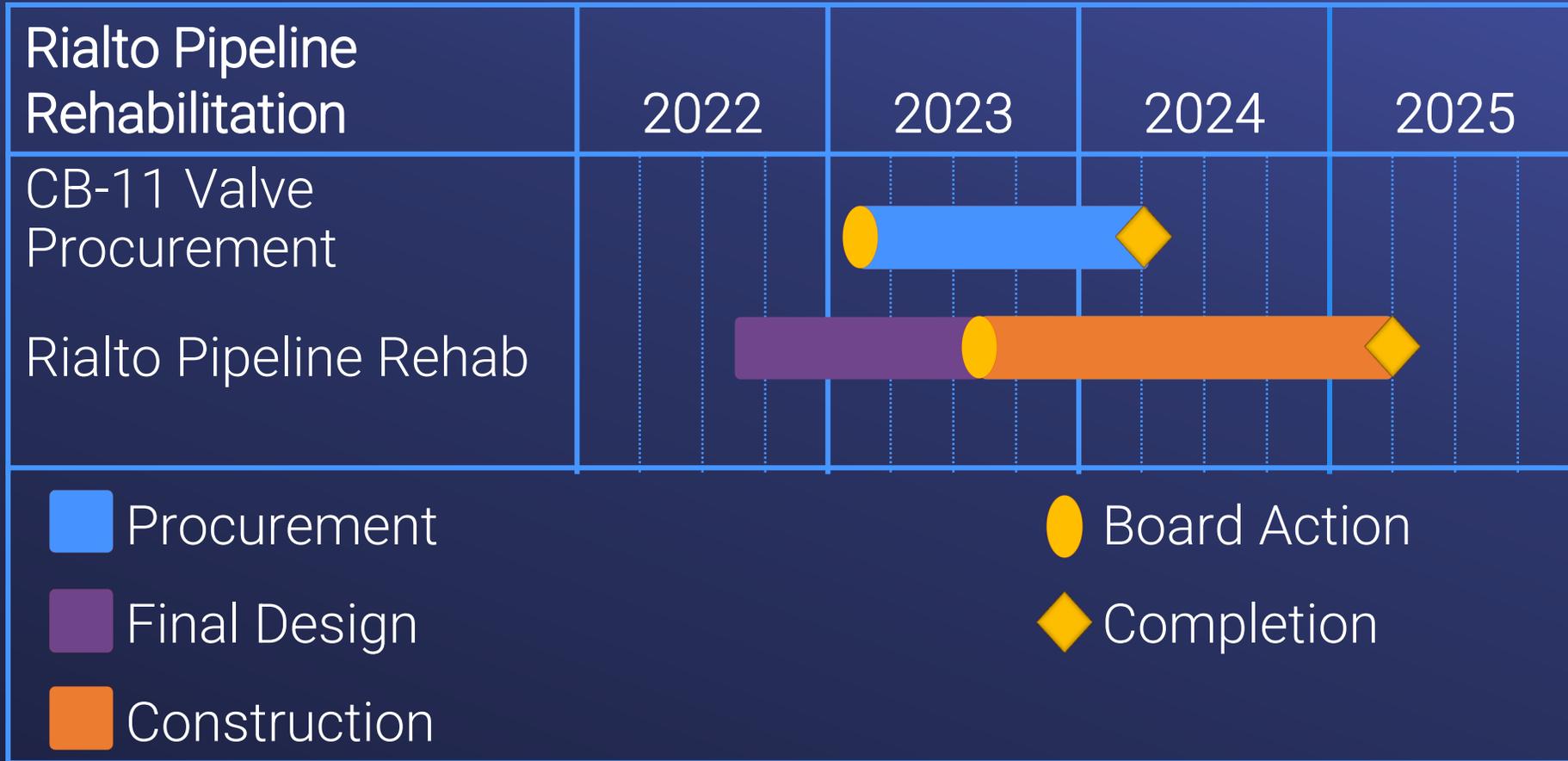
NOTE: As a procurement contract, there are no opportunities for subcontracts.

# Allocation of Funds

## Rehabilitation of Service Connection CB-11

Metropolitan Labor	
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$ 35,000
Fabrication Inspection	44,000
Force Construction	5,400
Submittals Review, Tech. Support, Record Dwgs.	27,000
Incidentals	15,000
Contracts	
Cascade Consultants, LLC	407,800.33
Remaining Budget	23,799.67
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	Total \$ 558,000

# Project Schedule



# Board Options

- Option #1
  - Award a \$407,800.33 procurement contract to Cascade Consultants, LLC for a triple offset ball valve to rehabilitate Service Connection CB-11.
- Option #2
  - Do not proceed with this project at this time.

# Staff Recommendation

- Option #1

