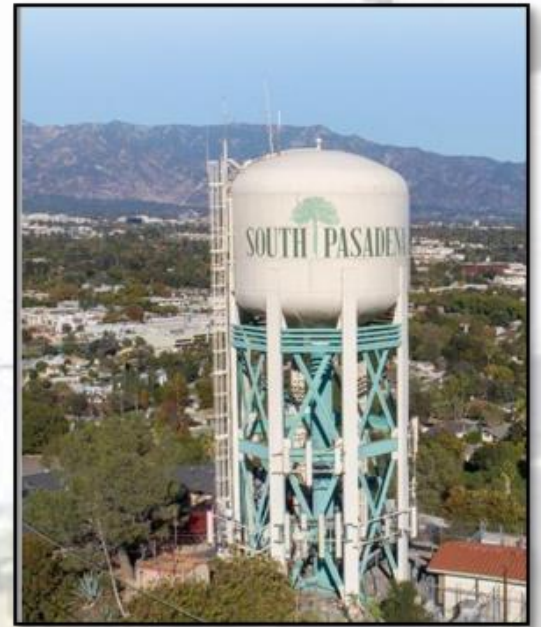


WESTSIDE RESERVOIR

Replacement Project Introduction

December 11, 2025

Prepared By: Public Works Department



AGENDA

WELCOME

WHY?

- ❖ History of South Pasadena Water
- ❖ Water Supply & Storage

HOW?

- ❖ Reservoir Evaluation
- ❖ Project Specifics

WHAT?

- ❖ Community Concerns
- ❖ Neighborhood Impact
- ❖ Project Timeline

Q&A



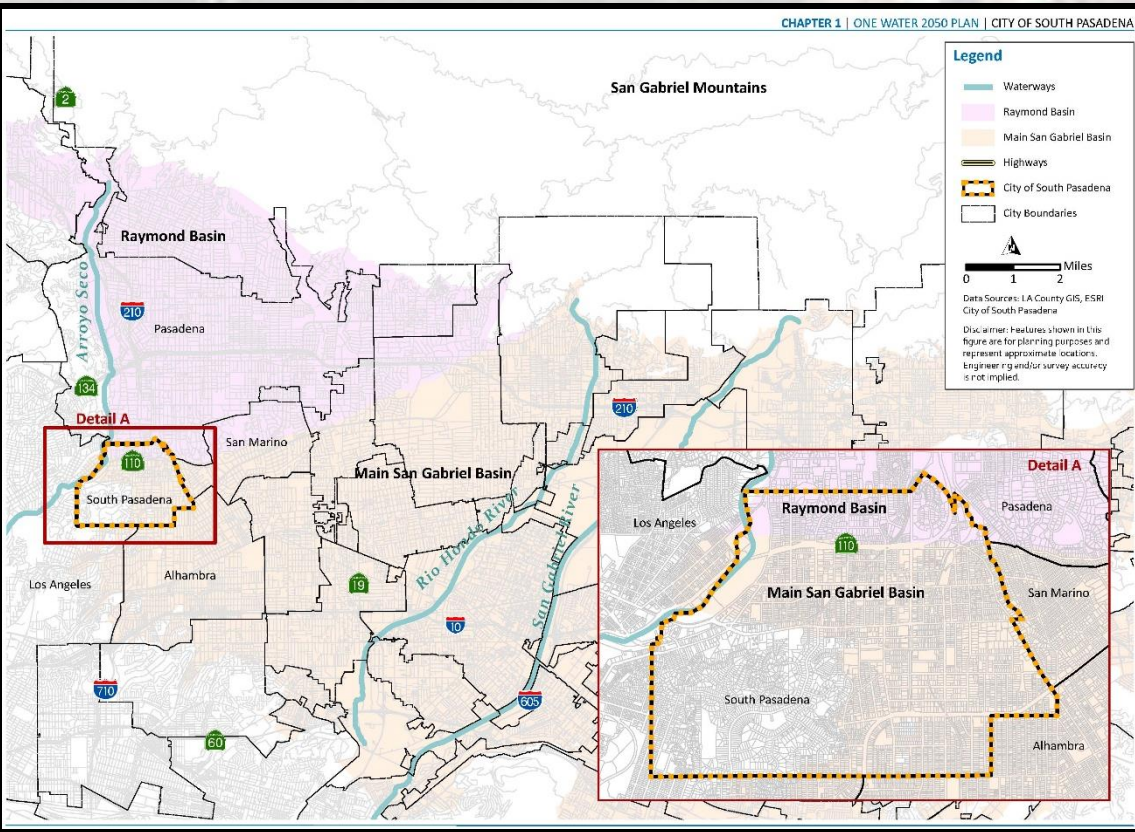
HISTORY



- South Pasadena's water was once supplied by three different private companies (Glendale Consolidated, Pasadena Land & Water, Marengo Water).
- Due to inconsistent service, the City established a municipal water system in 1921.



WATER SUPPLY SOURCES



Where does South Pasadena's Water Come From?

Ground Water: 98%

Purchase Water: 2%

- Imported from MWD via Upper District (USG-2 connection).
- Small area in the City is provided by City of Pasadena.

WATER DEPARTMENT

SERVICING 5 PRESSURE ZONES

Central | Billicke | Raymond |
Pasadena | Magnolia

Production & Treatment

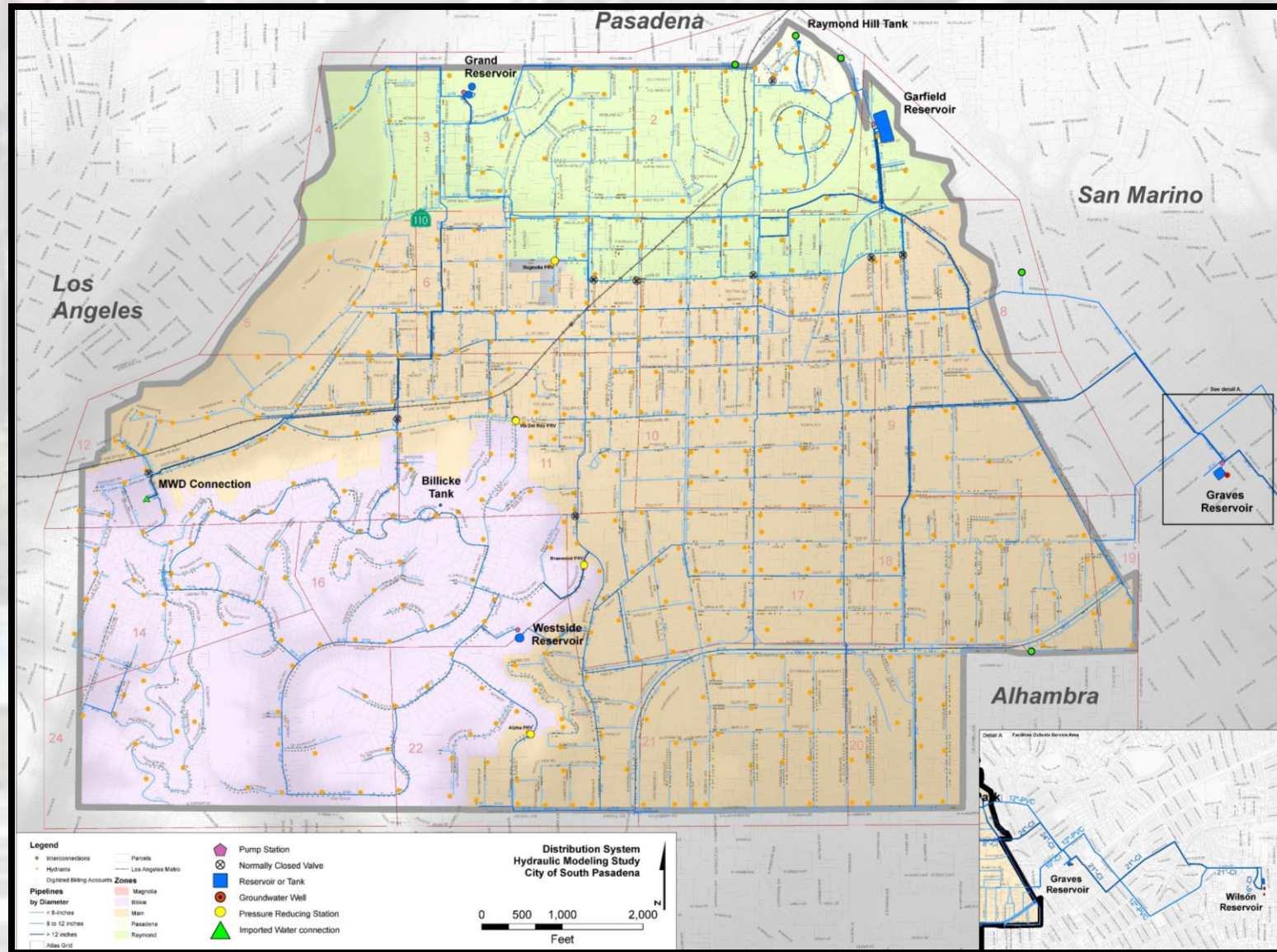
- Produces 3,600 Acre-Feet/Year OR
1.2 Billion Gallons/Year

Distribution

- Service over 6,200 connections &
maintain 495 fire hydrants

Storage Capacity of approximately
13.7 million gallons:

5 reservoirs | 2 elevated tanks |
6 pump stations



WATER STORAGE

Wilson Reservoir & Pump Station

- 1.3 MG Reservoir
- **Reconstructed in 2015**

Graves Reservoir & Pump Station

- 1.2 MG Reservoir
- **Reconstructed in 2022**

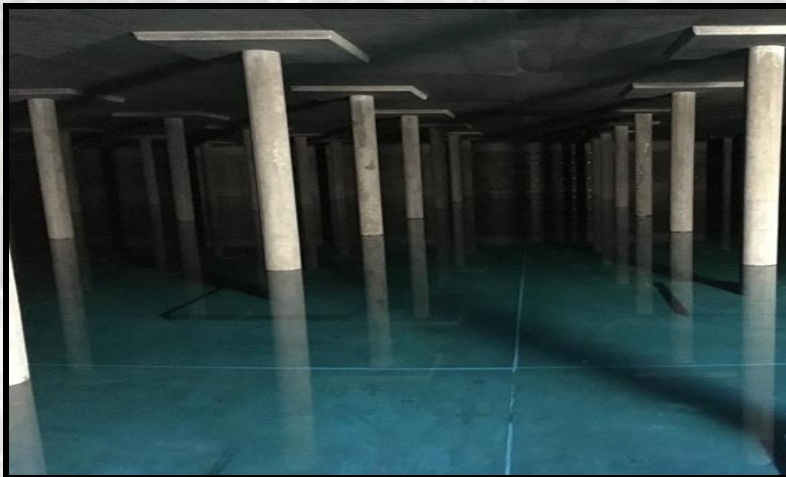


Grand Reservoir & Pump Station

- 2.4 MG Reservoir
- **Reconstructed in 2008**

Garfield Reservoir & Pump Station

- 6.5 MG Reservoir
- **Reconstructed in 2018**

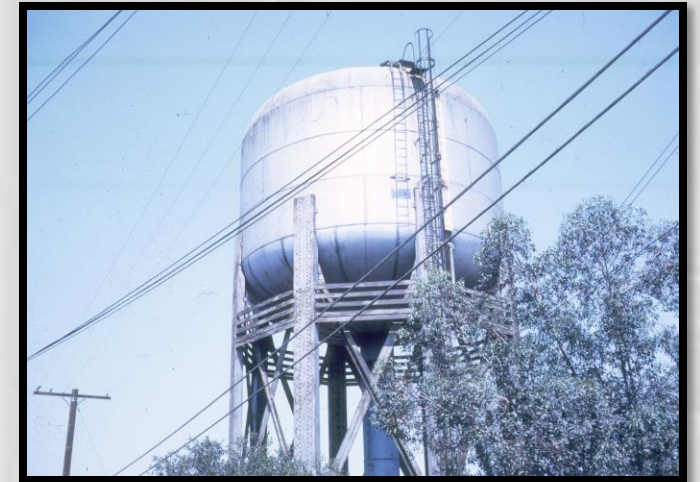


Raymond Elevated Tank

- 0.15 MG Tank
- **Constructed in 1936**

Bilicke Elevated Tank

- 0.15 MG Tank
- **Constructed in 1940**



WESTSIDE RESERVOIR



Westside Reservoir & Pump Station

- Built in 1963 | **Over 60 Years old**
- **2.0 Million Gallon Reservoir**
- Located **off Glen Place**
- Services **Billicke Pressure Zone (Monterey Hills Neighborhood)**
 - Stores and distributes approximately **1-2 million gallons of drinking water per day**

TACKLING THE ISSUES

Structural & Safety Issues

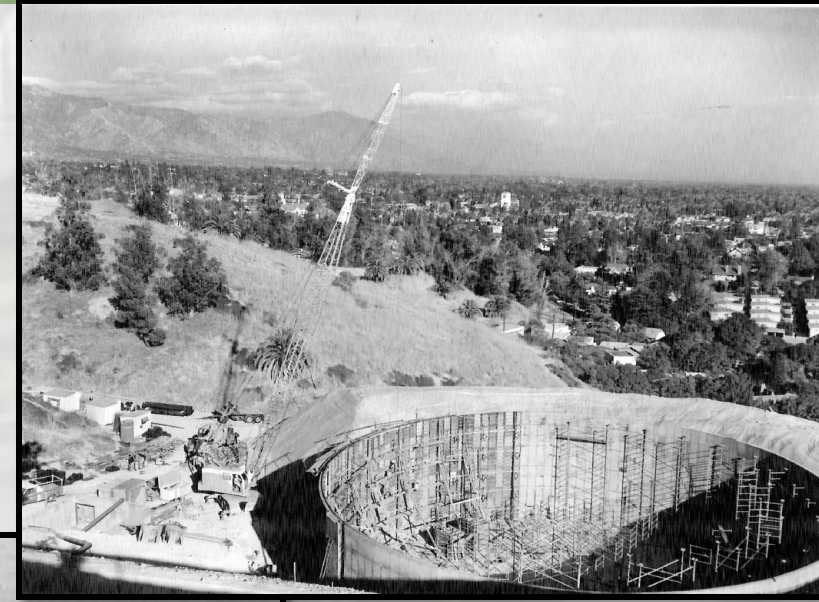
- No longer meets **seismic standards**
- **Failure** of internal post-tensioned wall system
- Structural deficiencies & **significant deterioration**

Operational Issues

- Outdated pump station & infrastructure
- Lack of reservoir **capacity**
- **Continual & increasing** maintenance challenges
- Potential risk to **water service reliability**

Environmental & Site Constraints

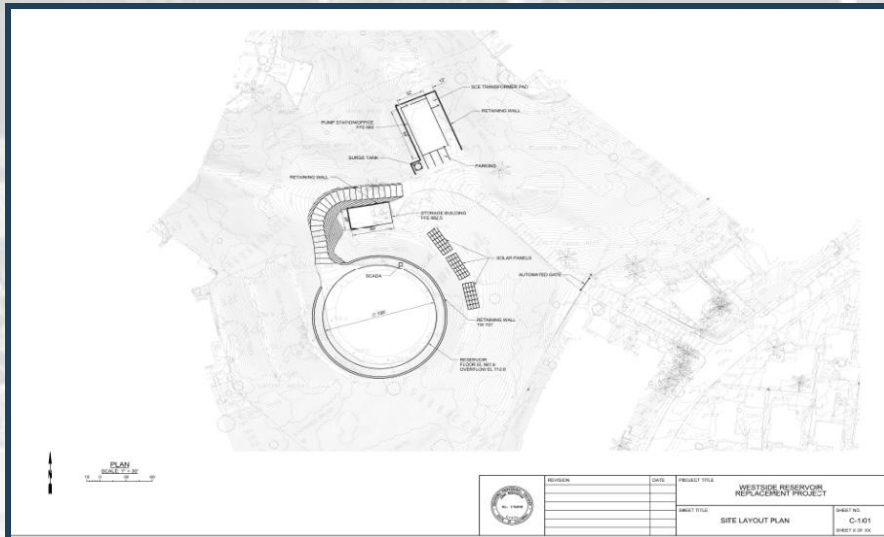
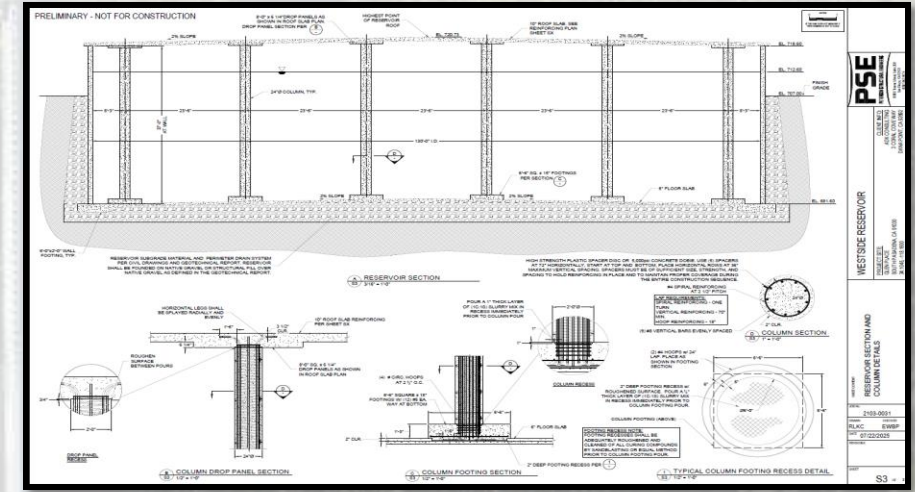
- **Limited** site access
- To enhance **fire protection**



EFFORTS & ANALYSIS

Existing Reservoir Analysis

- Seismic & Structural Analysis: Completed March 2024
- Preliminary Design Review (PDR): In progress -
expected completion Spring 2026
- Environmental Review (CEQA): In progress -
expected completion Spring 2026



Key Reservoir Upgrade Components

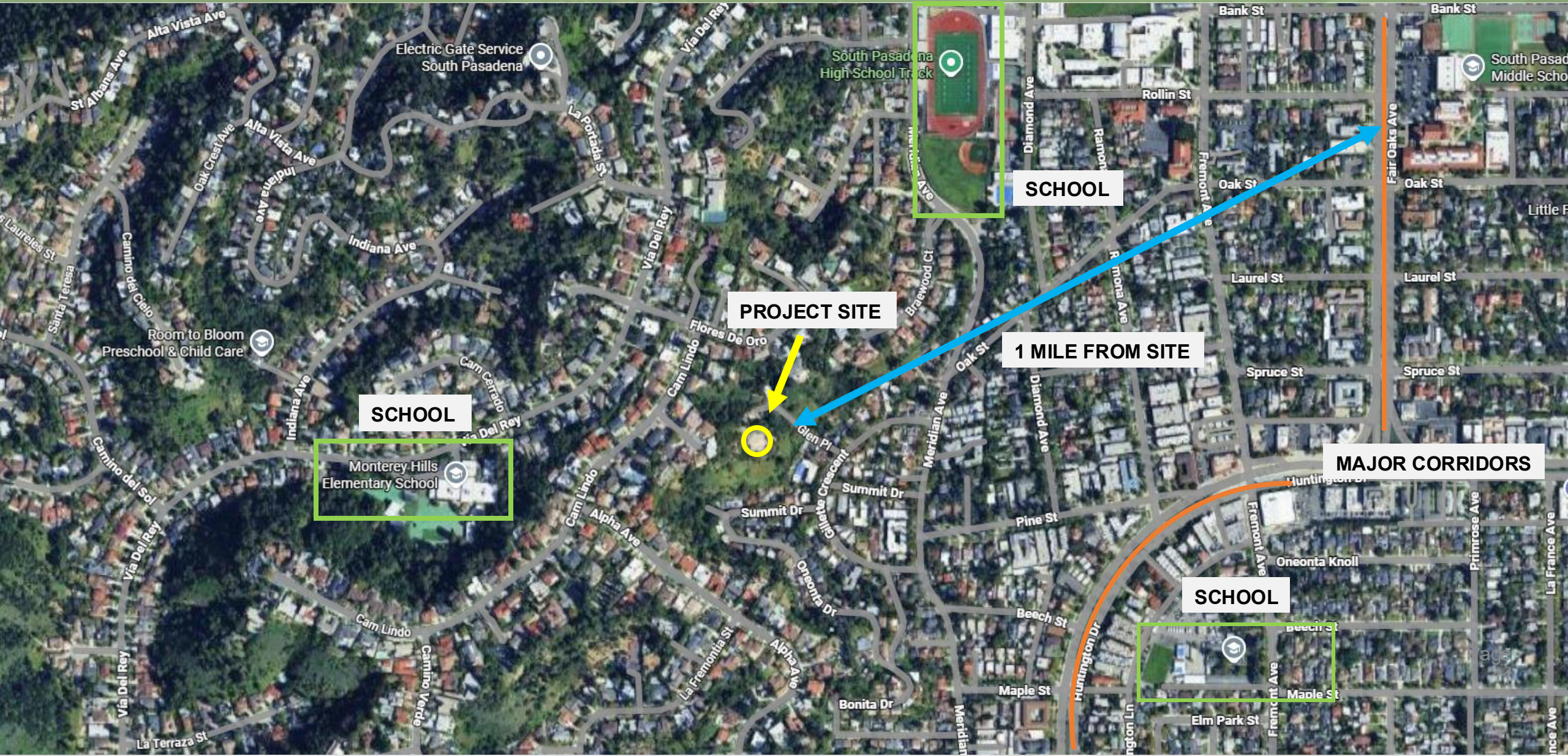
- Replacing existing reservoir & increasing storage capacity
- Constructing a new pump station & infrastructure
- Constructing storage buildings for maintenance
- Site improvements and other opportunities

NEXT STEPS

WESTSIDE RESERVOIR PROJECTED RECONSTRUCTION SCHEDULE	
2026	
January	Preliminary design review completed
February-April	Environmental document adoption by city council
May	Requests for proposal for design
August	Design contract award by council
Winter	Commence project design
2027	
January-March	Design development including community engagement
October	Design completed
2028	
March-December	Construction & site restoration begins

Estimated project cost:
\$12–\$15 Million

THE NEIGHBORS



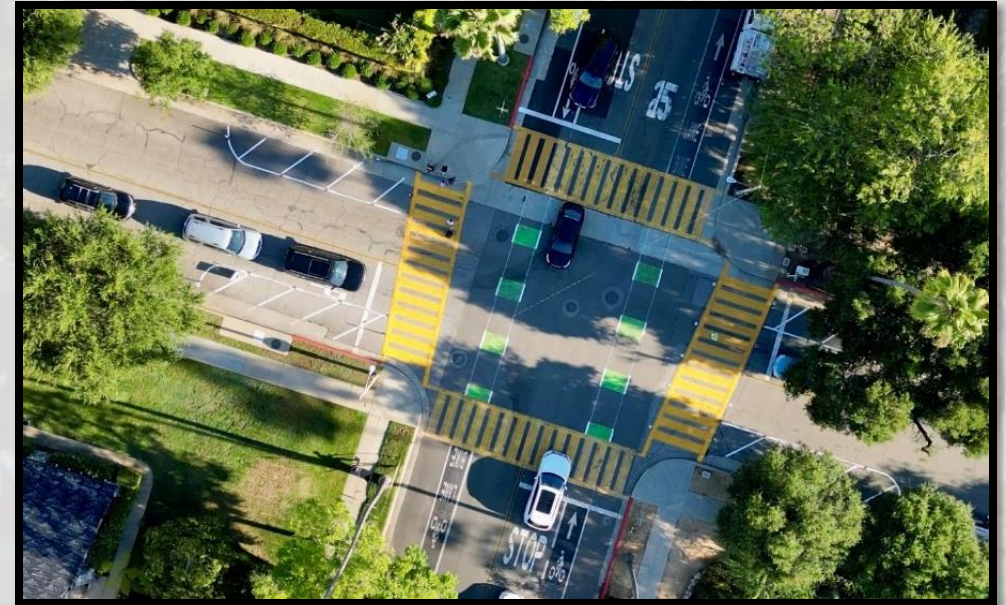
CONCERNS & FEEDBACK

Concerns

- Water service reliability
- Continuous fire protection
- Traffic and neighborhood access management
- Construction noise & working hours
- Off-site disruption

Opportunities

- Site Amenities
- Water efficient landscaping
- Neighborhood and access road Improvements



OTHER PROJECT CONCERNS & OPPORTUNITIES?

KEEP IN TOUCH!

Community Meeting #1
December 2025

Upcoming

Public Works Infrastructure Commission
Winter 2026

City Council Meeting
Late Winter 2026 | Summer 2026 |

Community Meeting #2
Late Winter 2027

Community Meeting #3
Spring / Summer 2027

Reach out to
WATERCONSERVATION@SOUTHPASADENACA.GOV
to submit any feedback/concerns.

STAY CONNECTED



QUESTIONS?



Adobe Express

WWW.SOUTHPASADENACA.GOV/WATERDIVISION