

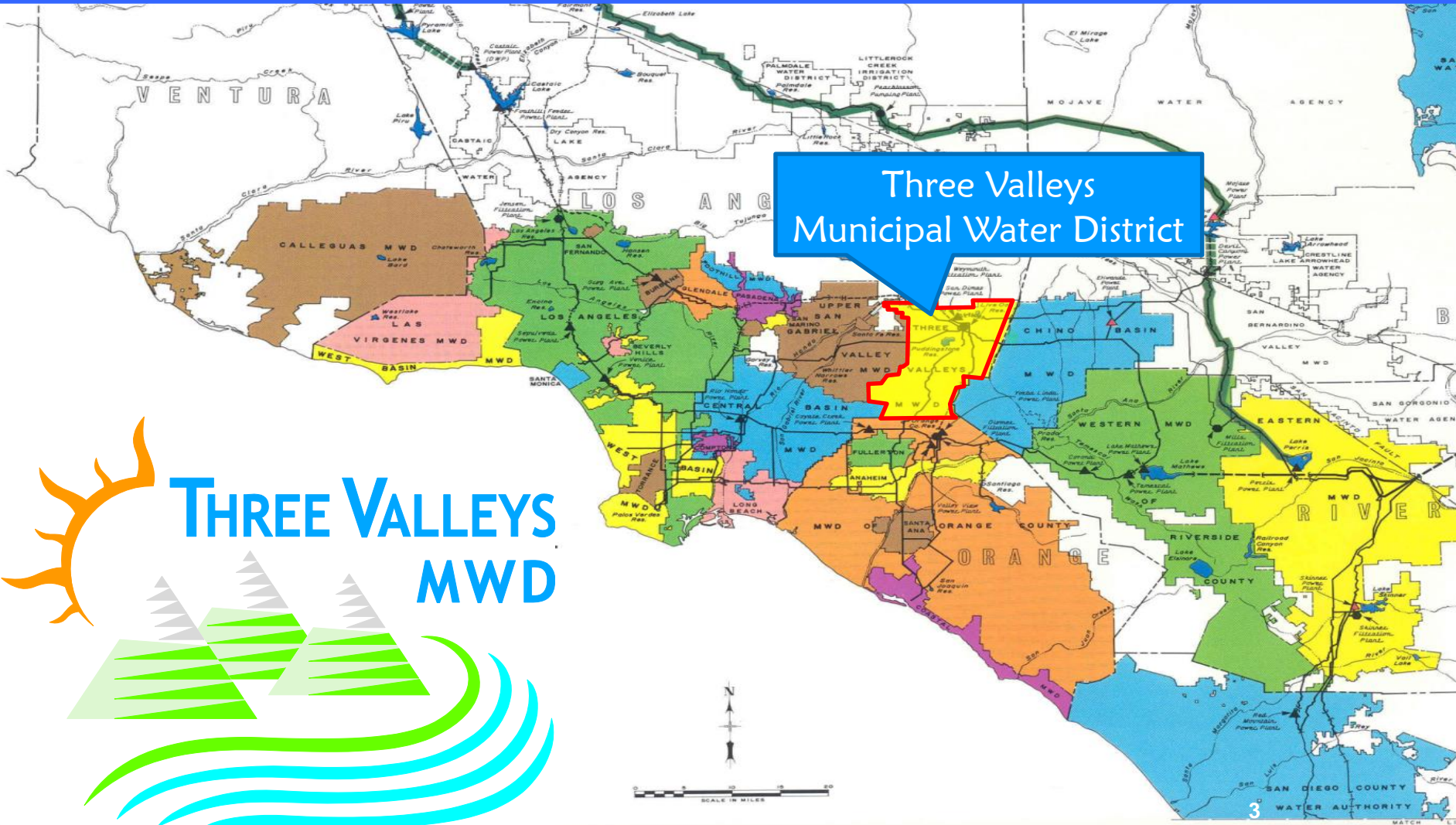
# WELCOME TO THREE VALLEYS MWD



# WHO IS TVMWD?

- Wholesale Water District – Provide Water to Cities and Retail Agencies
- Mission Statement – *TVMWD's mission is to supplement and enhance local water supplies to meet our region's needs in a reliable and cost-effective manner.*

Three Valleys  
Municipal Water District



THREE VALLEYS  
MWD

# MEMBER AGENCIES



City of Covina

City of Glendora

City of La Verne

City of Pomona

Covina Irrigating Company

Rowland Water District

Walnut Valley Water District

Golden State Water Co., Claremont / San Dimas

Suburban Water Systems

Valencia Heights Water Company

Boy Scouts of America - Firestone Reservation

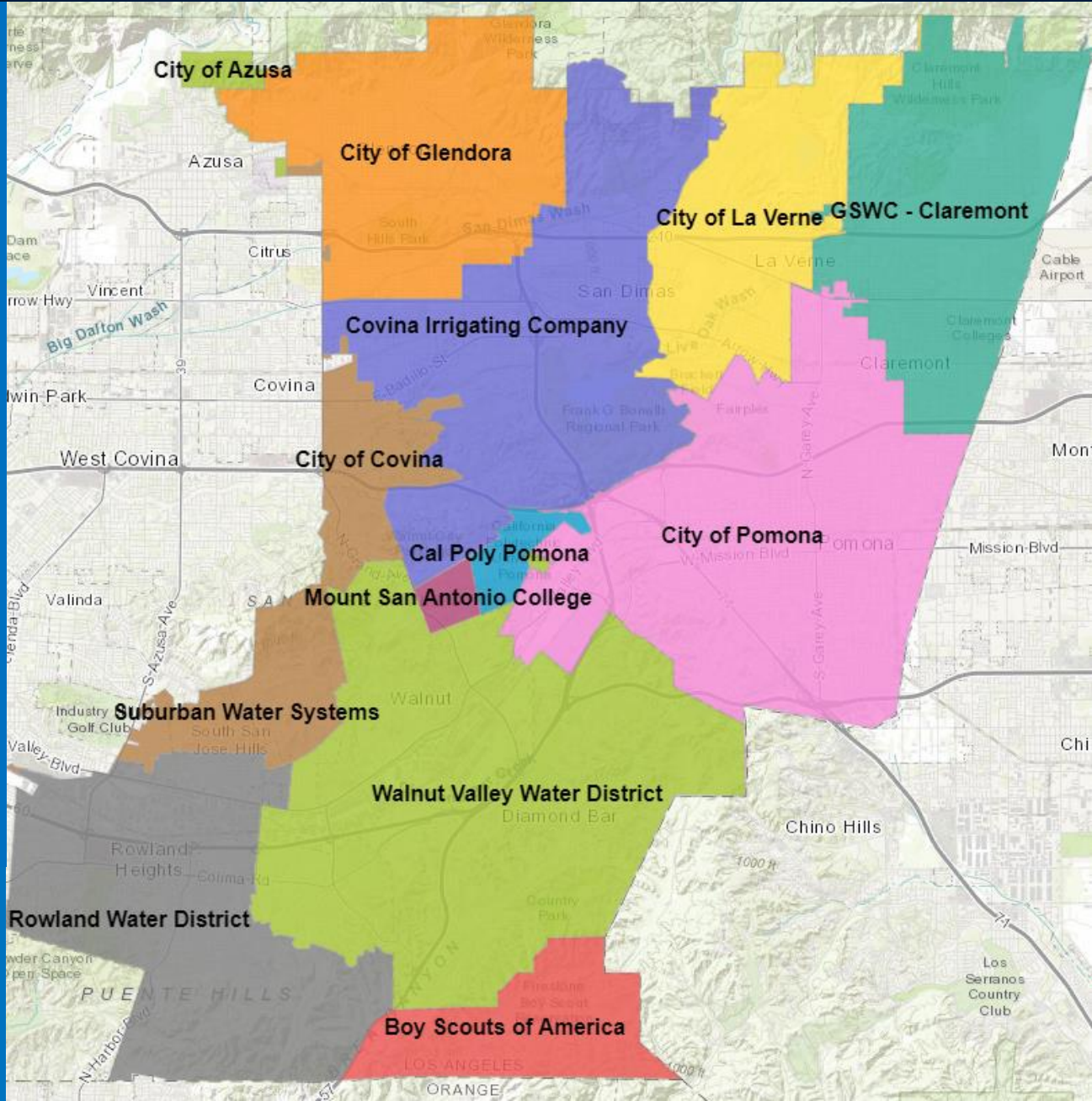
California State Polytechnic University, Pomona

Mt. San Antonio College



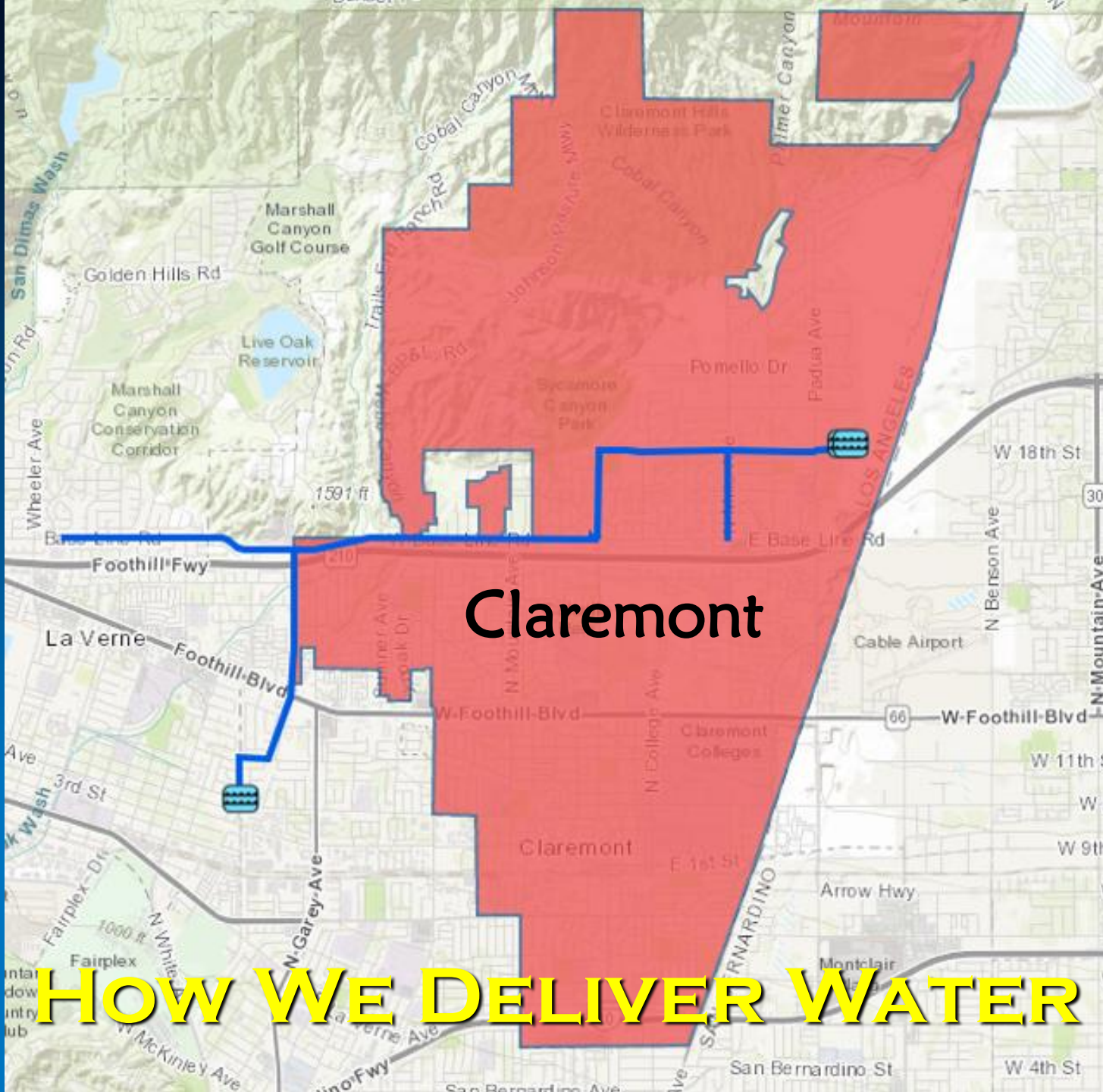
# TVMWD Member Agencies

- *133 square mile region*
- *Pomona, Walnut, & East San Gabriel Valley region*
- *525,000 population*
- *13 member agencies*
- *7-member Elected Board*



# MIRAMAR WATER TREATMENT PLANT





# Claremont

# HOW WE DELIVER WATER

# MIRAGRAND WELL PROJECT

Will enable TVMWD to enhance the use of reliable, less expensive, local water resources over the long-term in a sustainable manner and reduce the need for imported water.



# WORKSHOP GOALS

- District site usage – water well
- District will provide information on aesthetics (conceptual renderings)
- Obtain feedback from nearby residents for potential ideas to enhance aesthetics

# PROPOSED WELL LOCATION



Miragrand Well Site

Existing 12" Water Pipeline

Miramar Water Treatment Plant

Google Earth

# Conceptual Rural Design Elements



Historic Fieldstone Well Pump House –  
Baseline & Padua

# Conceptual Rural Design Elements



Historic Fieldstone Well Pump House –  
Baseline & Padua



**Historic Fieldstone Barn – Baseline & Padua**

# Rural Site Improvements

A photograph showing a long, straight concrete pathway on the left side of a road. To the right of the pathway is a drainage swale filled with smooth, light-colored rocks. A row of young trees with green leaves is planted along the swale. On the far left, there is a light-colored wall with decorative pillars. In the background, a paved road with a white pickup truck is visible, and further back, there are houses and mountains under a clear blue sky.

DG Pathways & Rock Drainage Swale



Drought Tolerant Native Landscaping

# Drought Tolerant Native Landscaping







Drought Tolerant Native Landscaping

# Rural Site Improvements



Fencing with Landscaping

# Rural Site Improvements



Fencing with Landscaping

# Miragrand Well Rendering



View Looking Northwest from Grand & Miramar Avenue

# Miragrand Well Rendering



View Looking North from Miramar Avenue

# Miragrand Well Rendering

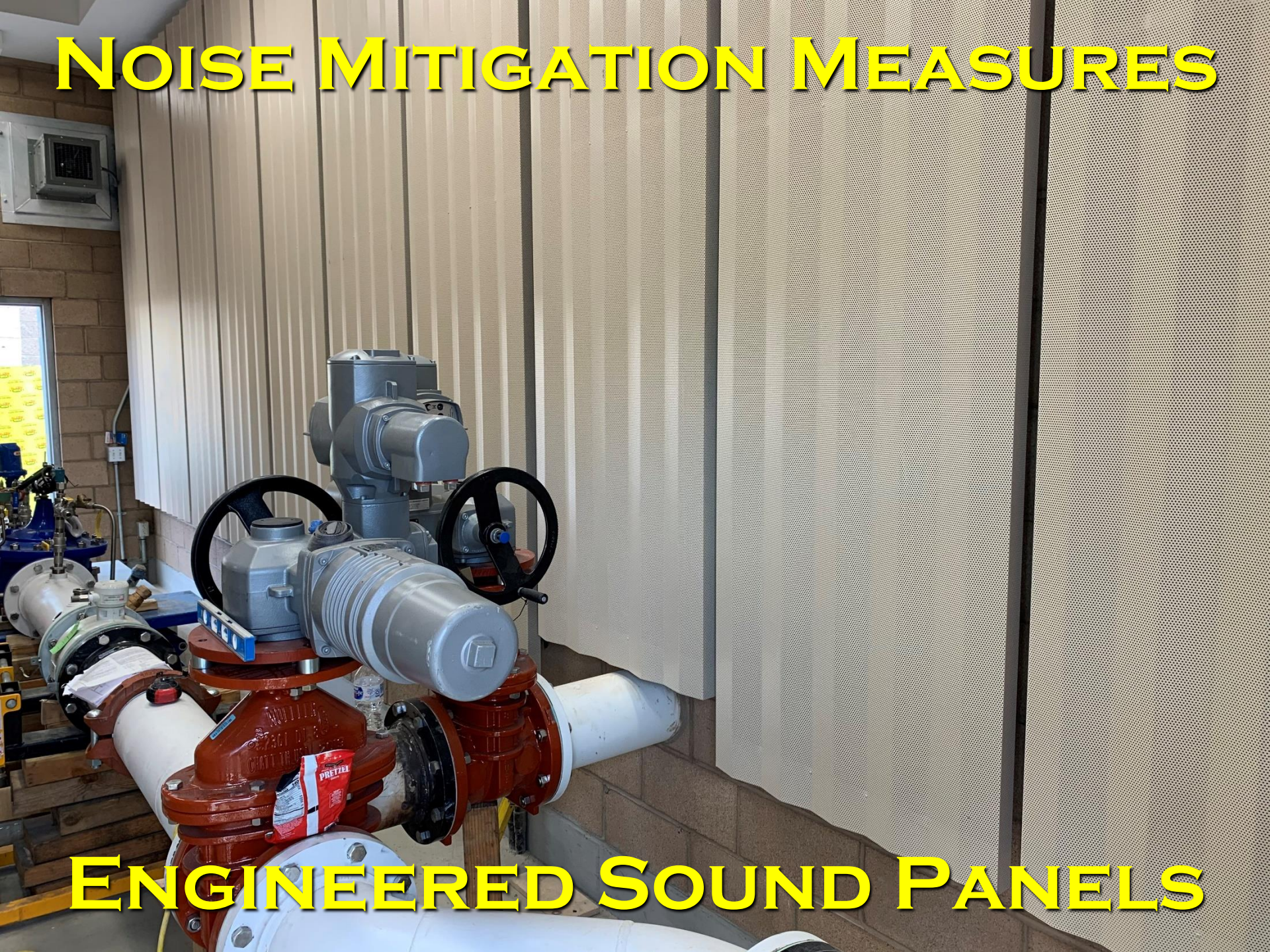


View Looking Southwest on Grand Avenue

# Miragrand Well Rendering



# NOISE MITIGATION MEASURES



ENGINEERED SOUND PANELS



# QUESTIONS & COMMENTS

**EXTRA SLIDES**

# NOISE MITIGATION MEASURES



**24' HIGH TEMPORARY SOUND PANELS**

# NOISE MITIGATION MEASURES

**SOUND PANELS**



**DRILL RIG SOUND PANELS**

# WELL FENCING - SECURITY







# ELECTRICAL CONTROLS & MOTOR





# PHASE 1 – WELL DRILLING (BELOW GROUND)

- 3 to 4 Month Duration – (25 to 30 Days of 24/7 operation)
  1. Borehole Drilling ~ 9 to 12 days; 24/7 operation
  2. Zone Testing ~ 5 days; 24/7 operation
  3. Well Casing Design & Fabrication ~ 15 to 20 days (No Construction activities)
  4. Well Construction(Casing) - 3 to 5 days; 24/7 operation
  5. Initial Development ~ 5 days; 24/7 operation
  6. Test Pump Installation – 2 days; daytime operation
  7. Pumping Development - 5 to 10 days; daytime operation
  8. Pumping Tests ~ 3 days; 24/7 operation

# PHASE 2 – WELL EQUIPPING (ABOVE GROUND IMPROVEMENTS)

- Begin about 4 to 5 months after drilling is completed
- 6 - 8 Months Duration - **Daytime** only

# POTENTIAL PROJECT IMPACTS & MITIGATION MEASURES

- Aesthetics – Well Enclosure & Landscaping
- Traffic – Traffic Control Measures
- Noise

Construction – Temporary Sound Panels (See photos)

Comply with Claremont Noise Ordinance:

- 65 dB (7 am - 10 pm) Day Time

- 55 dB (10 pm – 7 am) Night Time

Well Operation - Well Enclosure Interior Engineered  
Sound Panels to Dampen Noise