

WELCOME TO THREE VALLEYS MWD



JANUARY 30, 2020

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 #3 GOALS

- Original proposed site improvements
- Design & landscaping concepts incorporated
- Added cost of design & landscaping
- Final conceptual renderings
- Miragrand Well project - next steps

ORIGINAL WELL ENCLOSURE BUILDING CONCEPT



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DESIGN & LANDSCAPING CONCEPTS INCORPORATED

- Rock drainage swale (no concrete curb)
- DG pathways (no concrete sidewalk)
- Fieldstone well enclosure
- Relocate well enclosure
- Relocate discharge piping
- Increase fence setback
- Additional drought tolerant landscaping
- Minimal site lighting
- Trees for visual “screen”

ESTIMATED COST OF INCORPORATED ITEMS

\$325,000 - \$375,000

Conceptual Design Elements



Historic Fieldstone Well Pump House –
Baseline & Padua

Conceptual Design Elements



Historic Fieldstone Well Pump House –
Baseline & Padua

Rural Site Improvements



Fencing with Landscaping

Drought Tolerant Landscaping



Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Salvia (May Night Sage)

Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Trichostema (Midnight Magic)

Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Abutilon / Sphaeralcea

Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Eriogonum

Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Bahiopsis



Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Berberis Golden Abundance

Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Coffeeberry

Rancho Santa Ana Botanic Garden - Potential Landscaping Concepts



Heteromeles Arbutifolia (toyon)

Potential Landscaping Concepts

A photograph of a row of mature orange trees, heavily laden with ripe, bright orange fruit. The trees are planted in a row along a gravel path. The ground is covered with fallen orange leaves, creating a warm, autumnal color palette. In the background, there are larger trees, including a tall palm tree, and a glimpse of a house with a red-tiled roof under a clear blue sky.

Orange/Grapefruit/Avocado Trees

Miragrand Well Conceptual Rendering



View at Grand & Miramar Avenue

Miragrand Well Conceptual Rendering



View Looking North on Miramar Avenue

Miragrand Well Conceptual Rendering



View Looking West on Grand Avenue

Conceptual Rendering



Plan View

Conceptual Rendering

Aerial View Looking Northeast



Conceptual Rendering



Aerial View Looking Northwest

MIRAGRAND WELL PROJECT

NEXT STEPS

- TVMWD board consideration of approval & adoption of environmental documentation (2/19/20)
- District retain hydrogeologist – prepare well drilling & development specs (2/26/20 to 4/1/20)
- Public bid process – Award Construction to well drilling contractor (5/20/20)
- Well drilling construction – 6/15/20 to 10/15/20

QUESTIONS & COMMENTS