QUAIL VALLEY SEWER
SUB-AREA 9 PHASE 1
PROJECT

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Background

- Failing septic systems in Quail Valley have impacted water quality in local groundwater and in Canyon Lake Water Reservoir
- Approximately 1,535 existing units have septic tanks and 3,900 buildable lots are currently vacant
- In 2006, Riverside County established a septic tank prohibition for specific areas of Quail Valley
- The Regional Water Board also issued a septic tank moratorium in 2006 to address health concerns
- The moratorium enabled eligibility for external funding
Background (Cont.) - Sub Areas
• The following cities and agencies are involved in the development of this project:
  - City of Menifee
  - City of Canyon Lake
  - Elsinore Valley Water District
  - Eastern Municipal Water District
  - Riverside County
  - California Department of Public Health

• EMWD is working with the following agencies to secure funding:
  - Santa Ana Watershed Project Authority
  - State Water Resource Control Board
Eastern Municipal Water District’s Efforts

- Sewer study for the entire Quail Valley in 2005
- Engineered overall sewer system for the nine sub-areas
- Secured a grant from the State Water Resource Control Board (SWRCB) for a feasibility study for Sub-Area 9 (SA9)
- Preliminary sewer system design for SA9 in 2009
- Completed environmental documents (CEQA) for SA9
- Developed a phased approach for SA9 (three phases)
- Secured a planning grant of $500,000 for SA9, Phase 1
Project Description:
Approximately 1.6 miles of 8-inch and 21-inch sewer including abandonment of septic tanks. Project area covers 149 existing homes and 66 vacant lots.
Scope of Work for the Planning Effort

- Preliminary design of a gravity sewer system
- Utility search on public streets - existing water, gas, electric lines
- Survey work and soil investigation
- Inventory of on-site septic tank and pipes
- Preliminary design of sewer lateral from the house to the sewer in the street
Planning Efforts (Cont.)

Quail Valley Sub Area 9
Phase I Sewer System

COLLECTION

RESIDENTIAL

Residence

Street Right of Way

Sewer Connection to Collection System

Residential Septic System Abandon in Place
Access to Private Properties

• The purpose of requesting access is to locate septic tanks and connection point for future laterals
• EMWD has tasked Atkins consulting to perform site visits
• Atkins consulting will walk around your yard to locate the septic tank, cleanout, and connecting pipe
• Atkins consulting will not need to enter your home
• EMWD asks assistance from property owners with locating septic systems
Planning Efforts (Cont.)

What is expected from residents

• Agree to allow access to your property by EMWD and Atkins

• Demonstrate this by signing the Right-of-Entry form

• On the day of the visit, provide access to Atkins and EMWD by opening gates and walkways and restraining and/or housing pets (dogs)

• If possible, residents should provide information on septic tanks, and existing piping known by residents
Next Steps

- Perform site visits to private properties
- Complete preliminary design and prepare an estimate of the cost to construct the proposed sewer
- Obtain additional funding for final design and construction from Santa Ana Watershed Project Authority (SAWPA) and SWRCB
- Proceed with the final design once the funds are obtained
- Construction of the sewer and laterals once final plans and funding is in place
EMWD is in the process of completing the preliminary design for the Sub-Area 9, Phase 1 Area.

EMWD asks assistance from property owners to locate on-site septic systems.

Private property site visits will provide information of the septic tanks and piping at each residential lot.

This effort will result in better cost control during construction.
Overall Project Status

Where are we now?

• **Sub-Area 9 Phase 1**
  - Preliminary Re-Design – In Process
  - CEQA Amendment – In Process
  - 149 Sewer Connections – Project Cost - Approximately -$8M

• **Sub-Area 9**
  - Preliminary Design – Complete 2010
  - Environmental – Complete 2010
  - 268 Sewer Connections- Project Cost – Approximately-$19M
Overall Project Status (con’t)

- **Sub Area 4** - $25 Million (Based on 2005 Study)
  Conceptual Design
  Environmental – None

- **Total Project Cost** – Approximately $70 Million (Based on 2005 Study) High cost due to topography & presence of rock

- **EMWD Cost to date** – Approximately **$561,230**
External Funding Awards

- $500 K Planning Grant - Awarded by SWRCB - June 2013
- $1.93 Million Construction Grant - Awarded by SAWPA - Anticipate funding agreement in August 2014
- $280 K Supplemental Environmental Project (SEP) funds available to fund on-site costs
Questions?