EASTERN MUNICIPAL WATER DISTRICT

Quail Valley Sewer Sub-Area 9 Phase 1 Project Update

Erik Jorgensen and Armando Arroyo
Senior Civil Engineers
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• 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
The following cities and agencies are involved in the development of this project:
- City of Menifee
- City of Canyon Lake
- Elsinore Valley Water District (EVMWD)
- Eastern Municipal Water District (EMWD)
- Riverside County

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

- Sewer study for the entire Quail Valley in 2005
- Secured a grant from the SWRCB for a feasibility study for Sub-Area 9 (SA9)
- Preliminary sewer system design for SA9 in 2009
- Completed environmental documents (CEQA) for SA9 in 2009
- Developed a phased approach for SA9 (three phases)
- Secured a planning grant of $500,000 for SA9, Phase 1
- Advanced Preliminary Design of SA9, Phase 1
SA9 Phase 1

- Current design effort limited to SA9
- New development at Audie Murphy Ranch (AMR) an integral part of project (nearby development)
- Revised approach to remove an intermediate lift station
- Site investigations performed to assess onsite connection needs for residences
- Funding for SA 9 becoming available to potentially advance project
Project Description:

Approximately 1.6 miles of 8-inch and 15-inch sewer including abandonment of septic tanks.

Project area covers 149 existing homes and 66 vacant lots.
SA9 Phase 1 Preliminary Design

- Developed alternative alignments.
- Coordination with Audie Murphy Ranch Development (AMR)
- Investigation and assessment of private properties conversion
- Preliminary inventory of on-site septic tank and pipes
- Preliminary information regarding each property
Regional Sewer Connection

Collaboration with AMR Development
Quail Valley Sub Area 9
Phase I Sewer System

- Collection
- Residential

- Street Right of Way
- Sewer Connection to Collection System
- Residential Septic System Abandon in Place
Site Investigation Objectives

- Locate septic tanks and connection point for future laterals
- Understand typical property features – landscape, hardscape, number of connection
- Develop approach of estimating cost of onsite connection
Example of Site Inventory

LEGEND:
- Approximate location of septic tank.
- Per resident only; unable to validate.
Status of Inventory of Residences
Grant funds may be used for construction of sewer and potentially to offset cost of onsite improvements and service connection fees (subject to policy consideration by EMWD Board).

EMWD staff have sought extensively for funding from SAWPA, SWRCB, and California Department of Public Health (CDPH).

Other project participants may have funding sources such Community Block Development Grant (CBDG) funds.

Supplemental Environmental Project (SEP) funds collected by Regional Board are potentially available to pay connection fees.

All available funding options will be considered.
Potential Funding Support

EMWD has identified the following grant funds as potentially available for SA9 Phase 1 Project:

- SAWPA $1.93 million
- SWRCB $6.00 million
- SWRCB Additional $1.50 million

Total $9.43 million

Staff plans to deliver a project of approximately $9.43 million in value as funds are committed by granting agencies.

Note: SAWPA grant requires completion of SA9 Phase 1 project within 5-years of executing an agreement.
Next Steps

• Request input from EMWD Board regarding funding policies (expected June 2015)

• Complete Preliminary Design including firming scope of SA9 Phase 1 project boundaries (expected July 2015)

• Advance Final Design once SAWPA grant agreement executed (expected July 2015)
  o Obtain Right of Entry to Construct (ROE)
  o Complete inventory of onsite work at residences
  o Complete agreements with AMR
  o Prepare contract documents

• Advertise and advance to construction (schedule dependent on award of grant funding)
Summary

- EMWD is in the process of completing the preliminary design for the Sub-Area 9, Phase 1 Area

- Staff to approach EMWD Board to develop funding policies.

- SAWPA grant for final design expected in July

- Construction schedule dependent on award of SWRCB grant funds
Questions?
Contact Information

Donna Jacomet
Public Relations Officer
jacometd@emwd.org
(951)928-3777 extension 4206