

# ALMADEN VALLEY PIPELINE INSPECTION AND REHABILITATION PROJECT

Notice of Completion of Construction Contract

April 9, 2019



# Presentation Topics

- ▶ Project Objective and Location
- ▶ Project Construction Costs
- ▶ Construction Photos



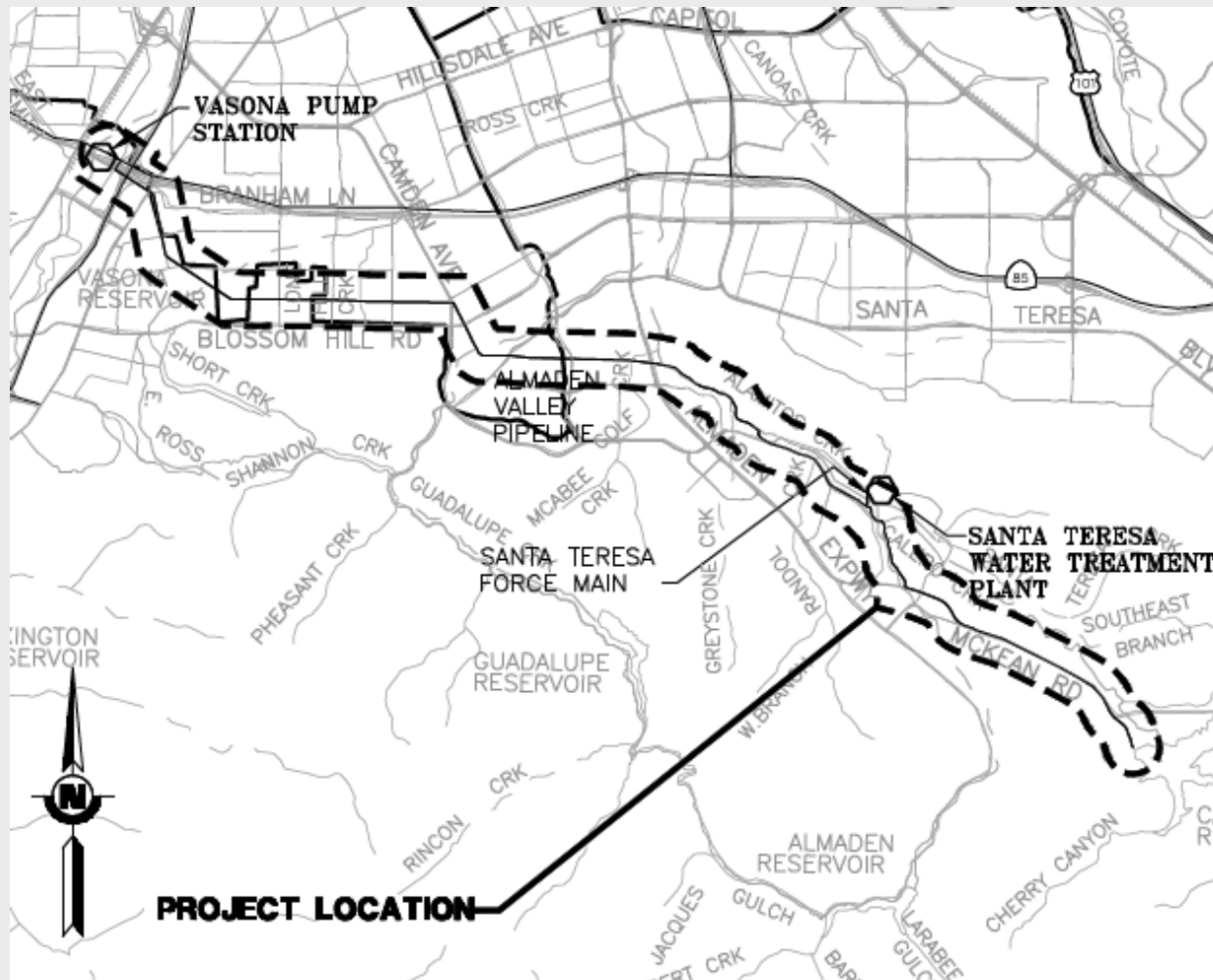
# Project Objective

- ▶ The objective of the Project was to conduct inspections and rehabilitative work on the Almaden Valley Pipeline (AVP) and Santa Teresa Force Main (STFM), including:
  - ▶ Completely draining raw water from AVP and STFM.
  - ▶ Removing and replacing appurtenances and piping at 93 vault sites.
  - ▶ Coating in-vault and exposed pipeline appurtenances.
  - ▶ Providing logistical support for internal visual inspection, electromagnetic inspection, and installation of the Acoustic Fiber Optic monitoring system on AVP & STFM.



# Project Location

## Almaden Valley Pipeline & Santa Teresa Force Main



Santa Clara Valley  
Water District



# Presentation Topics

- ▶ Project Description, Objective, and Location
- ▶ Project Construction Costs
- ▶ Construction Photos



# Project Costs

- ▶ Construction:
    - ▶ \$2,389,250.00 – Contract Award Amount
    - ▶ \$ 141,074.85 – Contract Change Orders
    - ▶ \$2,530,324.85 – Final Contract Amount
- (6.0% increase)

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# Construction Photos

## Dewatering Activities



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# Construction Photos

## Replacement of Air Relief Valve Assemblies



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# Construction Photos

## Installation of Precast Vault Extension with Steel Hatch Lid



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Water District

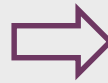


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# Construction Photos

## Replacement of Concrete Vault and Piping at Turnout



Santa Clara Valley  
Water District

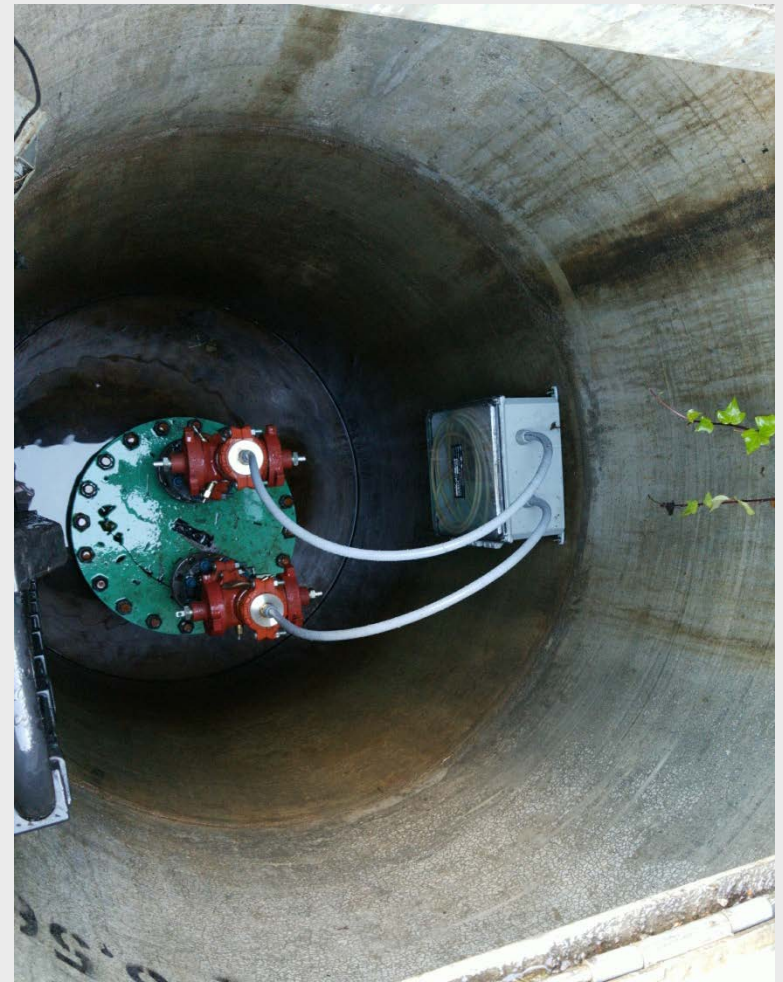
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# Construction Photos

## Acoustic Fiber Optic Stack Assemblies at Splice Points



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# Construction Photos

## Precast Vault Extension and New Steel Vault Cover



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Attachment 4  
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