ALMADEN VALLEY PIPELINE CARBON FIBER REINFORCED POLYMER STRUCTURAL REPAIR PROJECT

Notice of Completion of Construction Contract

August 14, 2018



Attachment 4 Page 1 of 12 Project Objective and Location

- Project Construction Costs
- Construction Photos



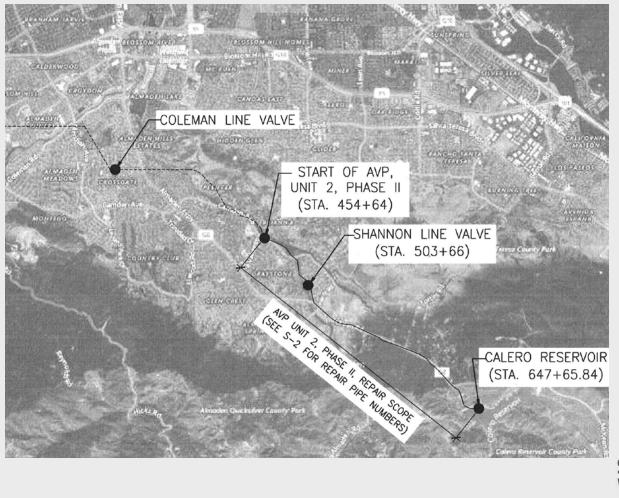
Project Objective

- The objective of the Almaden Valley Pipeline Carbon Fiber Reinforced Polymer Structural Repair Project is to repair distressed sections of Prestressed Concrete Cylinder Pipe (PCCP) that were discovered on Almaden Valley Pipeline.
- Distressed PCCP section were repaired by applying multiple layers of reinforced carbon fiber to the inside surface of the pipe.



Project Location

Almaden Valley Pipeline – Santa Clara County



Santa Clara Valley Water District Attachment 4 Page 4 of 12

Project Description, Objective, and Location

Project Construction Costs

Construction Photos



Construction:

- \$8,989,732.00 Contract Award Amount
- \$ 249,999.48 Contract Change Orders
- \$9,239,731.48 Final Contract Amount

(3.0% increase)



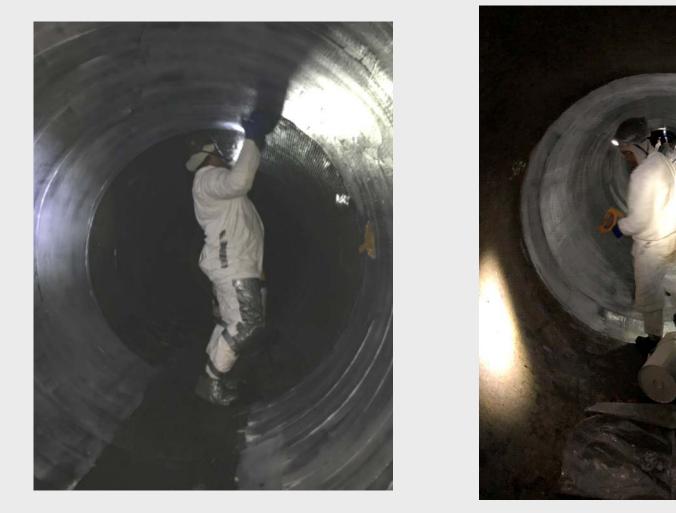
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Dehumidifier and heater for installation of carbon fiber.





Installation of Carbon Fiber and Thickened Epoxy





Hoop and Longitudinal Layer of Carbon Fiber



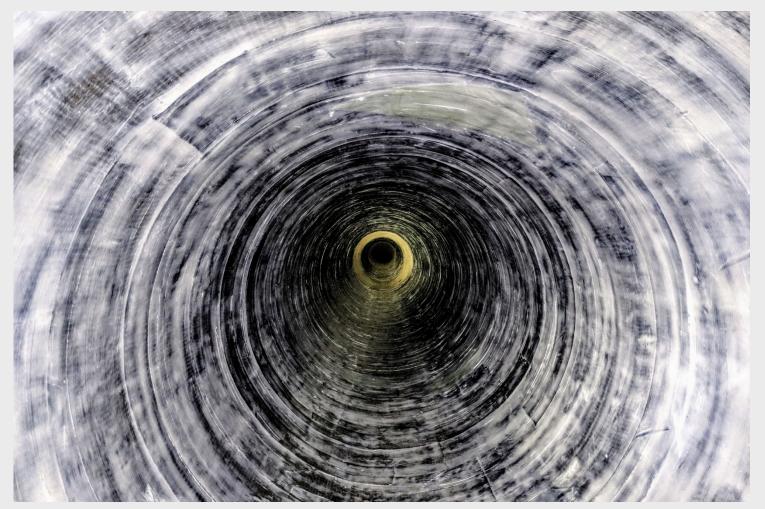


Termination ring at joint of repaired pipe



Epoxy mortar covering termination ring





Repaired Pipe Section

