



Pre-Construction Valve's Leakage  
(All three valves fully closed)



New Valves (Fully Closed)



Grouting Lined Outlet Pipe



New Trash Rack

### Project Description

The Trinchera Irrigation Company owns and operates Mountain Home Reservoir. The reservoir was built in 1908 and has a capacity of 17,964 AF. Its primary function is for irrigation and the Colorado Parks and Wildlife operates a State Wildlife Area around the Reservoir and maintains a conservation pool of 653 AF in the Reservoir. The Reservoirs existing outlet works was experiencing significant leakage and only one of the three valves were operable. The purpose of this Project was to meet the emergency drawdown requirements of the State Engineer's Office Dam Safety Branch (SEO) and eliminate the annual leakage of up to 2,000 AF by rehabilitating the dam's outlet works.

Construction commenced in October 2018 shortly after the reservoir was fully drained. Rehabilitation efforts included installation of three new outlet valves, lining of the outlet pipeline and tower, installation of a new trash rack, and replacement of the gate house. Construction was substantially completed in the Spring of 2019. In addition to the CWC loan, the Company received a \$513,000 WSRF grant for construction (CTGG1 2018-1773). Additionally, the Company received \$95,000 in WSRF grants for Phase I and Phase II design efforts (POGG1 2015-120, POGG1 2017-1040).

P R O J E C T D A T A		
Sponsor: Trinchera Irr. Co.	County: Costilla	Water Source: Trinchera Creek
Type of Loan: Dam Rehabilitation	Board Approval Date: March 2018	
Loan Terms: 1.65% for 30 years (Original) \$756,490 (Final) \$643,715.56		WSRF Funding: \$513,000
Design Engineer: Engineering Analytics, Inc		
Contractor: Moltz Construction		