



**SILVER CREEK WATER RECLAMATION FACILITY (SCWRF)
EXPANSION & UPGRADE PROJECT
SUMMARY AND FACT SHEET**

The Snyderville Basin Water Reclamation District (District) currently owns and operates two Water Reclamation Facilities (WRF), the East Canyon WRF (ECWRF) located near the Jeremy Ranch neighborhood, and the Silver Creek WRF located south of I-80 and east of US-40 on Silver Gate Drive. Currently the ECWRF has a rated capacity to treat an annual average wastewater flow of 4.0 million gallons/day (mgd), while the SCWRF is rated at 2.0 mgd, for a total of 6.0 mgd. Planning efforts have identified a year 2040 capacity requirement of approximately 12 mgd. As part of that capacity increase, SCWRF is being expanded to 4.0 mgd.

The Utah Division of Water Quality completed in 2014 a Total Maximum Daily Load (TMDL) study of the Echo Reservoir which included the Silver Creek drainage area. The TMDL identified the need to reduce the amount of nutrients in the reservoir to ensure sufficient oxygen levels for its fish population. SCWRF was directed to reduce the amount of Phosphorus and Nitrogen in its effluent discharge to meet the TMDL's goals. The upgraded facility will meet these goals utilizing biological and chemical processes similar to those used at the ECWRF.

The District engaged Carollo Engineers to design, and provide construction management services (CMS) for, the project. The project design, completed in 2015, received county and state approvals in late 2015 and early 2016. After a contractor prequalification and bidding process; Utah contractor Gerber Construction was awarded the project and began construction on April 18, 2016. The project, which will take 36 months to complete (fall of 2019), replaces the existing facility with the construction of 1 Headworks Building, 2 Equalization Tanks, 2 Bioreactors, 3 Clarifiers, 1 Filter/Disinfection Building, 1 Solids Tank, 1 Solids Dewatering Building, 1 Operations/Pump/Lab Building, and 1 Electrical/Generator Building.

Costs:	Design/Permitting/Legal/Cont.-	\$ 4.56 M
	Construction Management -	\$ 2.86 M
	Construction -	<u>\$ 43.52 M</u>
	TOTAL -	\$ 50.94 M