



ENERGY & NATURAL RESOURCE APPLICATIONS

DALY DITCH SIPHON



LOCATION	SIZE	COMPLETION DATE	SCOPE
Hamilton, MT	60"73"x55" 10 & 12 gauge	April 2024	Aluminized Type II Welded-Seam Spiral Rib CSP Precast Concrete Piers Steel Trash Rack

In Hamilton, MT, the aging wooden irrigation system serving the Bitterroot Valley required replacement. Initially considering a modular steel bridge to span the canyon, the cost proved prohibitive for the 200' span. Instead, an aerial span solution was adopted, supported by three precast piers to accommodate the necessary clear span length. Corrosion-resistant 60" Aluminized Type II welded-seam Spiral Rib piping facilitated water passage, complemented by welded-seam pipe, bands, and gaskets for optimal watertightness. The hillside flume underwent extensive repairs, replaced with a 73"x55" Aluminized Type II welded-seam pipe arch, complemented by precast concrete structures for transitions. A steel trash rack was incorporated for debris prevention and safety. Collaboration between TrueNorth Steel and Daly Ditches Irrigation District ensured successful project completion, providing essential infrastructure for sustained irrigation in the Bitterroot Valley.