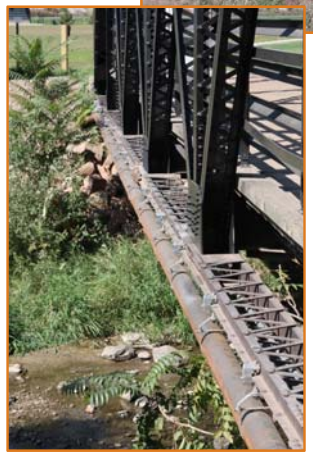
FAIRGROUNDS PARK

Loveland, Colorado

This unique project was developed when the City of Loveland sought to convert a sparsely used fairgrounds property into a community park and sports complex facility. The site is bisected by the Big Thompson River and features ball fields, active and passive turf areas, a spray park, playground, and dog park. The site also sits adjacent to an existing ball field complex which made the park expansion an ideal solution to an underutilized property.

After review of water supply alternatives, the existing raw water source that serviced the original ball fields was recommended and implemented for the park's expanded irrigation system. Engineering and accounting procedures were prepared to ensure that the raw water source was legally available to be used on the expanded site. Our engineers prepared a substitute water supply plan to allow for immediate use, and are currently providing support for a plan of augmentation to be decreed in Division I Water Court. Our work has resulted in significant annual savings in plan operation and water acquisition cost for the City.



Design and construction documents for the raw water delivery system were prepared, including well pond improvements. The irrigation pump station was redesigned to accommodate the new pressure and flow demands for the expanded park area, and relocated to provide water source connections to the existing irrigation system at the original softball complex. Subsurface irrigation was designed for uniquely shaped turf sections adjacent to high-traffic play areas.

A new irrigation system was designed for the remainder of the eastern portion of the complex that includes a new four-field softball complex. Aqua Engineering designed a mainline crossing over the river utilizing the existing bridge structure, to service the irrigation system on the western portion of the park.

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