Big Dry Creek Force Main and Channel Improvements

January 2019
Project Location

Big Dry Creek Lift Station
Project Scope

- Big Dry Creek Lift Station and Force Mains
  - Serves approximately 1/3 of Highlands Ranch wastewater
  - Parallel 8-inch and 18-inch force mains operating at near maximum capacity
  - Maintenance requires temporary force mains across surface of golf course

- Big Dry Creek Redundant Force Main Project
  - Installation of 1,000 LF of 20-inch force main
  - Provides a critical level of redundancy in the event of an outage
  - Provides the ability to perform routine maintenance
Project Scope

- Redundant Force Main Channel Crossing
  - Improvements required to protect force main from erosion
  - Coordinated with HRMD; conceptual design was completed in 2016
  - HRMD expedited final design to combine projects
    - Construction cost benefits
    - Minimize impacts to the golf course
  - Channel improvements similar to work upstream in 2017
Project Scope

- Redundant Force Main
- Channel Improvements
Project Schedule

- Preliminary work started in late December
- Force main construction through golf course to north of Canongate
- Complete channel work in golf course
- Golf course restoration to be completed in March