

Better Denver Bond Program

Project Briefing Red Rocks Water Supply





Red Rocks Water Supply

Background

- Red Rocks Amphitheatre currently collects raw water from two surface springs and an alluvial well located within the confines of the park
- This water is treated at an on-site facility for potable use, subject to rigorous state-mandated testing and reporting requirements
- On-site water production is no longer sufficient to meet peak demand during the venue's busy concert season—water has been trucked to the venue since 2003 to account for the shortfall in potable water supply
- Trucking of water to Red Rocks Amphitheatre is expensive, environmentally unfriendly and unsustainable long-term
- Denver Arts & Venues has explored various approaches and proposes to interconnect the facility to the Town of Morrison's municipal water utility via intergovernmental agreement (IGA)



Red Rocks Water Supply

Project Information

- The project involves the following primary elements:
 - Extension of the Town of Morrison's existing transmission main from Red Rocks Elementary School to the venue's existing potable water loop
 - Installation of a booster pump station and associated controls at the point of interconnection
 - Extension of a service line from the primary transmission main to the Red Rocks box office
 - Ancillary items including engineering, surveying, easement acquisition, and the upsizing of an existing sewer line adjacent to the proposed transmission main
 - Transfer of operations and maintenance responsibilities (including testing) to the Town of Morrison
- The project will eliminate the need for trucking of water during the busy concert season and will reduce ongoing operations costs associated with on-site water treatment



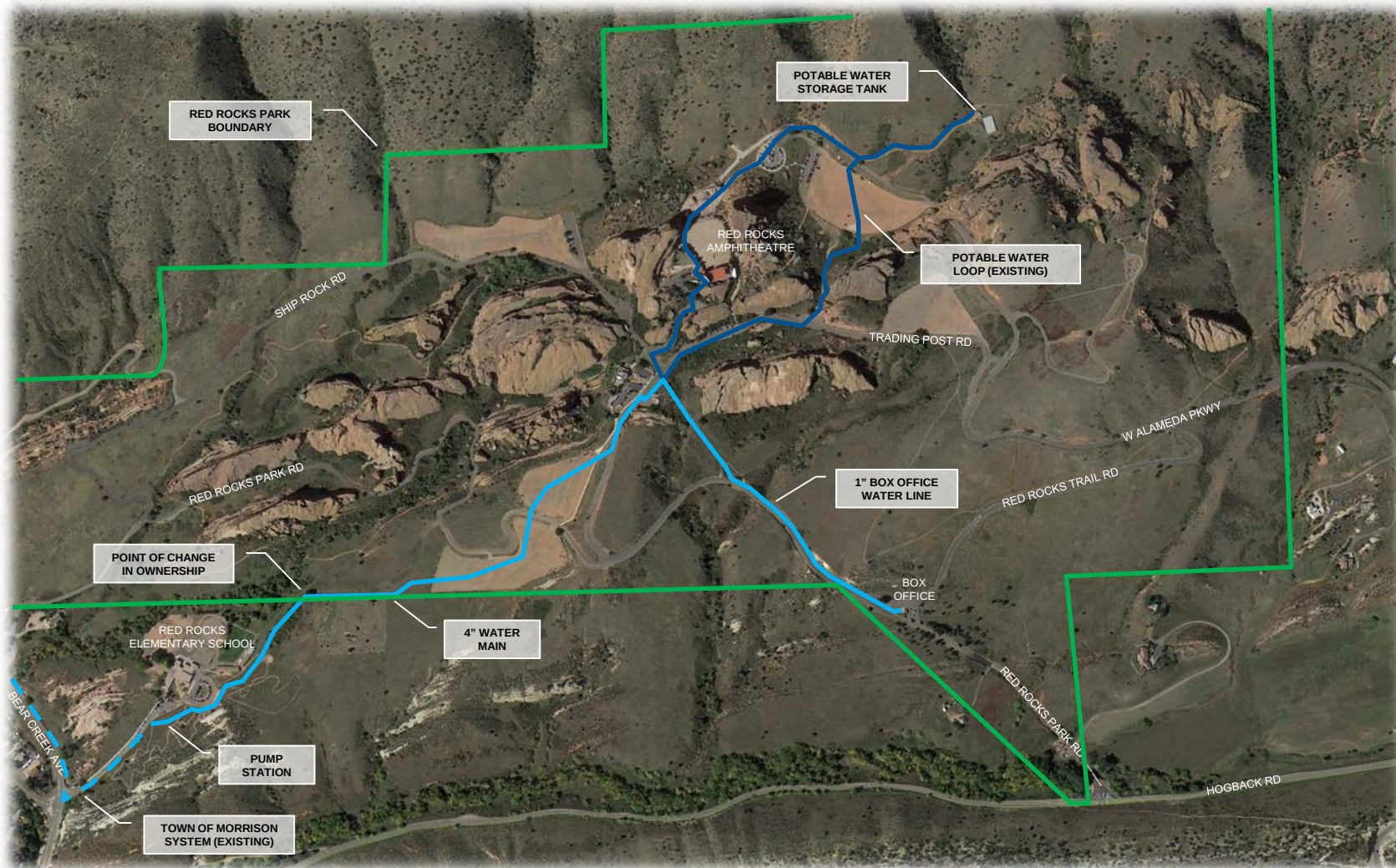
Red Rocks Water Supply

Project Information

- The IGA between CCD and the Town of Morrison will:
 - Save the City money by simplifying the operation of a unique and remote facility
 - Eliminate the need to run a water treatment plant (and associated state licensing/testing)
 - Save approximately \$40,000 in treatment materials (filters, chemicals, etc.) and testing
 - Free-up staff time (at least one FTE) for other maintenance duties
 - Eliminate trucking of water to the venue (1.2 million gallons in 2014)

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Project Information





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Project Schedule

- Design of the proposed Red Rocks Water Supply project is currently underway, with long-lead procurement scheduled to occur upon final approval of the CCD/Town of Morrison IGA
- Pump station construction and installation of ancillary equipment adjacent to Red Rocks Elementary is scheduled to occur summer 2016
- Infrastructure improvements within the confines of the park are scheduled to begin September 2016, following the busy summer concert season
- The project is scheduled to be complete December 2016



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Project Budget

- Better Denver Bond funds in the amount of \$2.8 million were originally allocated to the project via companion ordinance amendment in February 2013
- Denver Arts & Venues has since evaluated proposals from two alternative water utility providers, ultimately selecting the Town of Morrison option as providing the best overall value
- The engineer's estimate for the Town of Morrison option is currently \$1.5 million and includes additional improvements to an aging sewer line within the park



Red Rocks Water Supply

Council Action

Approve an IGA between CCD and the Town of Morrison for the provision of potable water to Red Rocks Amphitheatre



Thank you for your time!

Questions?