

Project Name

Wadley Farms 3 Lake #1 Improvements - Construction

***Grant Recipient**

Wadley Farms 3 Homeowners Association

***Primary Contact**

DaveBreindel

Phone Number

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***Email**

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***WSRF Grant Type**

Water Supply Infrastructure

Conservation, Efficiency, & Reuse

Eligible Water Activities (Check All That Apply)

Municipal/Industrial

If other, please explain.

Municipal (irrigation and fire protection)

Total Project Cost

\$ 2,419,800.00

Are you submitting a proposal to the South Platte Basin RT, the Metro RT, or both?

Both

South Platte Basin RT Grant Amount Request (If applicable)

\$ 40,000.00

Metro RT WSRF Grant Amount Request (If applicable)

\$ 40,000.00

Statewide Fund Grant Amount (if any)

\$ 100,000.00

Colorado Water Plan Grant Amount Request (if any)

(No response)

Other Basin Roundtables WSRF Funding Being Requested (if any)

(No response)

If Other Roundtable Requests, which roundtable(s)

(No response)

***Project Description**

Wadley Farms was successful in obtaining grant funding through the WSRF program (Metro Roundtable and Statewide) for permitting, engineering and design associated with the rehabilitation of Lake #1 and construction of a gravity pipeline between Lakes #1 and #3. Clean Water Section 404 permitting for the project is complete (project activities are exempt under Section 404(f) per correspondence with the Army Corps) and design is currently underway. The rehabilitation of Lake #1 will focus on expanding reservoir storage through a combination of excavation (i.e., dredging) and raising the existing dam embankment, constructing a new low-level outlet, installing a toe drain below the dam to control seepage through the

embankment, and installing riprap on the upstream slope of the dam to mitigate wave erosion. Construction of the new low-level outlet will also include a new non-potable pump station installed below the dam which will replace the existing system installed in the embankment. The project also includes a new gravity pipeline between Lakes #1 and #3 that will replace the existing open ditch system which has significant seepage losses. The scope of work for this phase of the project will include all construction and construction engineering support (e.g., contractor oversight, as-built documentation).

***Which basin priorities does the project address? How?**

The project will address the following basin priorities: maximize development and use of native South Platte supplies (1) and maintain and promote conservation and efficiency (2). Rehabilitation of Lake #1 Dam will allow Wadley Farms to increase use of their decreed storage right for Lake #1 (see case number CA60052) and take advantage of available storage water entitled to them under their shares in the Farmers Highline Canal which will provide increased operational flexibility. Along with the proposed pipeline between Lakes #1 and #3, the dam and reservoir rehab will promote conservation and increase system efficiency as operational controls will be improved and seepage losses reduced. The project will also address the issue of aging infrastructure identified by the Colorado Water Plan.

***Project Timeline and Tasks**

Schedule assumes final construction drawings and project specifications approved by Dam Safety June 2024. Project kickoff October 2024 pending funding (WSRF and applicant match). Contractor procurement (Wadley Farms) September/October 2024. Construction kickoff November 2024. Substantial completion mid-February 2025. Final completion mid-March 2025. Final construction report and as-built documentation approved by Dam Safety May 2025.

Attach Budget (not required)

[wf3_lake1_rehab_30_design_cost_estimate_for_wsrf_application_summary.pdf](#)