

Yuba IRWMP – RD784-17

Project Short Form¹

Please fill out the following information to the best of your ability/knowledge. Once the project has been received, and a preliminary review completed, the project team will work with you to develop additional information.

PROJECT SPONSOR INFORMATION

Lead Agency/Organization	Reclamation District 784
Name of Primary Contact(s)	Patrick Meagher, General Manager
Mailing Address	1594 Broadway, Arboga, CA 95961
Email Address	Patrick@rd784.org
Phone (###) ###-####	
Project Partners/Collaborators	N/A
YWA Liaison	

GENERAL PROJECT INFORMATION

Project Title	Unit 5 Levee Mile 1.59 Storm Drain Pipe Replacement
Project Total Budget (Attach detailed budget, if available)	\$650,000.00
Budget Breakdown	Planning/Design Budget: \$60,000 Implementation Budget: \$590,000
Project Funding Match, if any	0
Total Project Funding Request	\$650,000.00
Project Location (Attach map if available)	
City/Community	Olivehurst
Watershed/subwatershed	
Groundwater Basin	
Funding Area	SRFA or MC
Project Priority (Select one)	High/Medium/Low
Project Type (highlight in gray <i>all</i> that apply)	Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction Restoration Monitoring Best Management Practices Acquisition Demonstration/Pilot Project

¹ Completed Project Short Forms should be sent via email to Katie Burdick at admin@burdico.net **and** Elizabeth Herrera at Elizabeth.herrera@fishsciences.net

Please select the *status* of the CEQA/NEPA/Permitting for this project:

CEQA (Select one)	Exempt - Not Started - Initial Study - EIR – Determination - Unknown if Required
NEPA (Select one)	Exempt - Not Started - Environmental Assessment - EIS – Record of Decision - Unknown if Required
Permitting (Select one)	Not Required - Not started – Identified – Consultations Complete – Application Submitted – Complete – Unknown if Required

PROJECT DESCRIPTION

Write a narrative briefly describing the project components and/or characteristics (maximum of 300 words).

Storm drain pipes are a critical part of RD 784’s system. Properly functioning storm drains are necessary to help reduce the chances of flooding. For this straightforward and time-sensitive project, RD 784 will remove an aged, existing pipe that runs through the base of a levee and install a new 18-inch pipe. Key project components include:

- Final planning and engineering designs
- Administrative and inspection tasks
- Site mobilization
- Remove existing 80 – 100 - year-old pipe
- Install new 18-inch storm drainpipe through the base of the levee
- Construction of a concrete structure with steel positive closure device (which helps prevent water from backflowing onto the land in the case of flap gate failure or high-water events)
- Installation of landside trash rack and waterside flap gate
- Soil import, backfill, and compaction
- Construction of a landside steel walkway over the trash rack
- Hydroseed the project area to prevent erosion
- Demobilization and final inspection

PROJECT RATIONALE/ISSUES STATEMENT

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

In the Fall of 2019, RD784 completed pipe video inspections at all Rural Levee pipe crossing locations. After the RD784 District Engineer completed their review, the results were forwarded to the DWR for final evaluation. On September 21, 2020, an evaluation of the pipes was received from DWR. Each pipe was graded on a scale of 1 to 6 for “Likelihood of Failure” with a 6 as a worst possible rating. The grading system recommends in the technical memorandum to spot repair, CIPP (cure in place pipe), or replace entirely for a Likelihood of Failure greater than 4.0. The pipe in Unit 5 at LM 1.59 was given a grade of 5.0 which falls in the category of full replacement.

In 2019, RD 784 went through a Proposition 218-driven process to update the District’s operating budget. This process eliminated the RD784 annual Rural Levee revenue source; in effect, removing the funding mechanism for RD 784 to pay for this critical project. Thus, the District is pursuing funds via other sources. RD784 has already secured funds to replace an additional pipe in the Rural Levee system in 2021 which will be funded through the DWR 2020/21 FMAP program.

The primary deliverable of this project is a new 18-inch storm drain pipe that meets state and federal requirements.

ATTACHMENTS:

- Task based budget
- Map of project location