

Staff Report

for the Board of Directors' Meeting of December 9, 2020

TO: Board of Directors

FROM: Shannon Wood, Business Services Technician
Doug Roderick, P.E., Interim Engineering Manager

DATE: December 1, 2020

SUBJECT: Loma Rica Road District Financed Waterline Extension (FATR #2181)
Project Approval and Budget Rollover to 2021

ENGINEERING

RECOMMENDATION:

Approve the Loma Rica Road District Financed Waterline Extension Project and Budget Amendments to rollover funds from the 2020 budget to the 2021 budget, as recommended by the Administrative Practices Committee.

BACKGROUND:

The District initially received a petition signed by twenty-three (23) landowners to extend treated water from the south end of Lee Lane continuing on Loma Rica Drive. After reviewing the area as submitted in 2017, it was determined that the area as a whole would not meet the minimum requirement of 60 percent participation to go forward. Staff reduced the area based on clustered interest and proposed a potential project as a viable District Financed Waterline Extension. The Engineering Committee recognized this DFWLE project January 16, 2018. This project was added to the Project Status list in July 2020 as the Iron Horse Road and Table Meadow Road Phase 2 projects were coming to completion.

At the beginning of 2020, the DFWLE budget was reviewed for the Loma Rica DFWLE project. At that time, staff recognized that the 60 percent participation threshold had been reduced to 50 percent therefore making the originally petitioned project feasible; however, the 2020 budget did not cover the entire cost of the project. Staff was waiting to request both the 2020 and 2021 budgets to move the project forward. Since then, the DFWLE budget has not been funded for 2021. The representative for the Loma Rica DFWLE project requested that the District go forward with an appropriately sized project for the amount of funds available in the 2020 budget. Staff has since reviewed the area and is proposing the project as illustrated on the attached map.

The project, as proposed, is approximately 4,363 lf of 8-inch pipe, potentially serving 29 parcels. The portion of the petition represented in the project meets the 50 percent threshold.

There are 28 mainline connections and one (1) variance connection. Based on research on the Nevada County Parcel & Record Map website, there appears to be two (2) vacant parcels. The total not-to-exceed cost per participant, including meter, is \$41,905.

The Administrative Practices Committee reviewed the project at the December 1, 2020 meeting. The committee unanimously agreed to advance a recommendation to the Board of Directors to approve the project and rollover the funds from the 2020 budget to the 2021 budget.

This proposed project is in alignment with the District's Strategic Plan Goal No. 3; "Developing and managing our resources in a self-determining manner protects and provides for local control of our community's most valuable assets – a fairly priced and available water supply."

FINANCIAL IMPACT:

The overall project estimate is \$916,232 of which \$37,270 will be District participation leaving the balance to be recovered through DFWLE Funding Agreements or future District Reimbursement as follows:

Total Project Estimate w/out Connection Charges: \$916,232

Community Investment Stabilization Fund (District Participation): \$37,270

Community Investment Stabilization Fund (Property Owner Participation): \$878,962

Reimbursement Potential (based on minimum participation): \$878,962

Cash Deposit (10% Good Faith Deposit 15 @ \$3,031): \$45,465 – beginning of project

Deferred Revenue (minimum of 15 @ \$27,278): \$409,170 – plus interest over 30 years

Future Reimbursement (14 parcels @ \$30,309): \$424,326 – then current rate when meter is requested

Connection Charges (29 connections @ \$11,596 based on 2020 rates): \$336,284

Cash Deposit (10% Good Faith Deposit 15 @ \$1,160): \$17,400 – beginning of project

Deferred Revenue (minimum of 15 @ \$10,436): \$156,540 – plus interest over 30 years

Future Connection Charges (14 parcels @ \$11,596): \$162,344 – then current rate when meter is requested

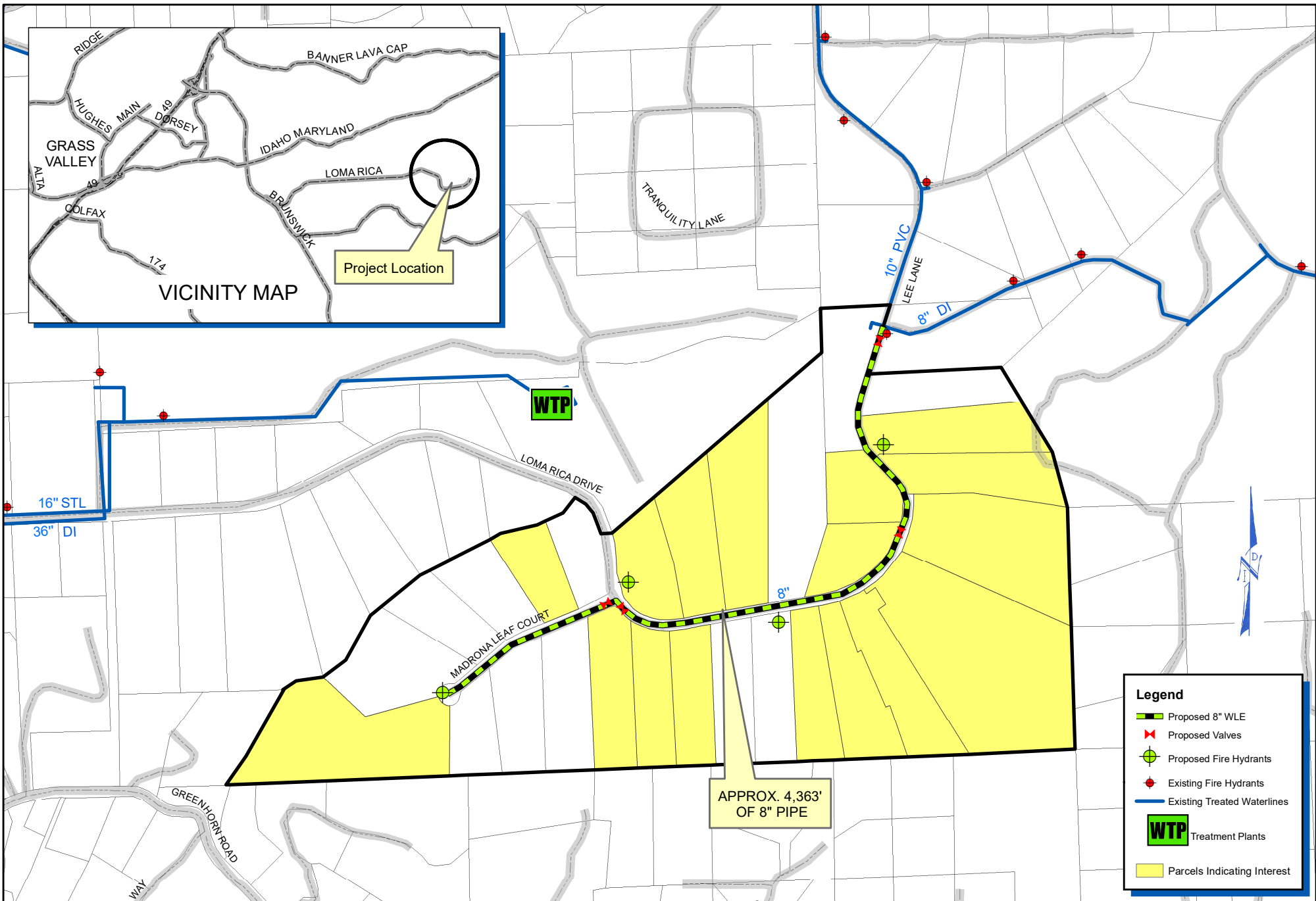
BUDGETARY IMPACT:

Approval of Budget Amendments will reduce the FY 2020 budget account number 10151-52912 by \$916,232, which will cause an increase in the FY 2020 estimated reserve balance. In addition, the requested item will increase the FY 2021 budget account number 10151-52912 by \$916,232, which will cause a decrease in the FY 2021 estimated reserve balance.

Attachments (5):

- Area Map
- Project Estimate
- Excerpt from Engineering Committee minutes from January 16, 2018 meeting
- 2020 Budget Amendment No. BA 2020-159
- 2021 Budget Amendment No. BA 2021-02

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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

LOMA RICA DRIVE DFWLE - 2020

Drawn By: D. HUNT

Date: 11/24/2020

Scale: 1" = 700' @ 8-1/2x11

Sheet: 1 of 1

Cost Estimate
LOMA RICA DRIVE DFWLE - LIMITED BUDGET
 District Financed Waterline Extension
 December, 2020

ADMINISTRATION

FATR - 2181

Description	Quantity		Unit Cost	Total Cost	District Participation		Project Participant Costs	
					Transmission & Storage Facilities	Community Investment Funds		
Up-Front	Preliminary engineering study (Labor)	1	ls	\$500	\$500	\$0	\$500	\$0
	Engineering administration (Labor)	1	ls	\$1,500	\$1,500	\$0	\$1,500	\$0
	Survey and Engineering (Consultant)	1	ls	\$2,500	\$2,500	\$0	\$2,500	\$0
	Right of way (Labor)	1	ls	\$1,000	\$1,000	\$0	\$1,000	\$0
	Engineering/Administration Subtotal				\$5,500	\$0	\$5,500	\$0
	Burden on Payroll (Labor only)	47	%		\$1,410	\$0	\$1,410	\$0
<i>Subtotal</i>				\$6,910	\$0	\$6,910	\$0	
After Agreement	Contract administration (Labor)	1	ls	\$3,000	\$3,000	\$0	\$0	\$3,000
	Engineering administration (Labor)	1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
	Engineering (Consulting fees)	1	ls	\$0	\$0	\$0	\$0	\$0
	Drafting (Labor)	1	ls	\$4,000	\$4,000	\$0	\$0	\$4,000
	Survey (Labor)	1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
	Inspection (Labor)	1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
	Right of way (Labor)	1	ls	\$5,000	\$5,000	\$0	\$0	\$5,000
	Right of way (Acquisition) ¹	1	ls	\$0	\$0	\$0	\$0	\$0
	Right of way (Consultant)	1	ls	\$0	\$0	\$0	\$0	\$0
	CEQA administration (Labor) ²	1	ls	\$1,000	\$1,000	\$0	\$0	\$1,000
	Fish & Game, CEQA, & Recording Fees	1	ls	\$0	\$0	\$0	\$0	\$0
Engineering/Administration Subtotal				\$43,000	\$0	\$0	\$43,000	
Burden on Payroll (Labor only)	47	%		\$20,210	\$0	\$0	\$20,210	
<i>Subtotal</i>				\$63,210	\$0	\$0	\$63,210	
Administration Subtotal				\$70,120	\$0	\$6,910	\$63,210	

CONSTRUCTION

Description	Quantity		Unit Cost	Total Cost	District Participation		Project Participant Costs
					Transmission & Storage Facilities	Community Investment Funds	
Clearing and grubbing/bonds/mob	1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
8-inch pipe	4,363	ft	\$110	\$479,930	\$0	\$0	\$479,930
2-inch blowoff	2	ea	\$2,700	\$5,400	\$0	\$0	\$5,400
Air release assembly	2	ea	\$3,600	\$7,200	\$0	\$0	\$7,200
8-inch valve	7	ea	\$2,500	\$17,500	\$0	\$0	\$17,500
Fire hydrant	4	ea	\$6,600	\$26,400	\$0	\$26,400	\$0
Main ending with blowoff	0	ls	\$2,000	\$0	\$0	\$0	\$0
Single service assembly	29	ea	\$3,400	\$98,600	\$0	\$0	\$98,600
Double service assembly	0	ea	\$2,000	\$0	\$0	\$0	\$0
Roadway Restoration - Chip Seal	100,349	sf	\$0.63	\$63,220	\$0	\$0	\$63,220
Patching-Miscellaneous	1	ls	\$20,000	\$15,000	\$0	\$0	\$15,000
Rock Removal	50	cy	\$250	\$12,500	\$0	\$0	\$12,500
<i>Construction Subtotal</i>				\$735,750	\$0	\$26,400	\$709,350
Contingency	15	%		\$110,362	\$0	\$3,960	\$106,402
Construction Subtotal				\$846,112	\$0	\$30,360	\$815,752

TOTAL ESTIMATED PROJECT COST \$916,232 \$0 \$37,270 \$878,962

TOTAL PARTICIPANT COST PER PARCEL = \$30,309

29 Total Parcels

LINEAR FEET PER PARCEL = 150

¹ Public Utility Easement exists on sides of roads; road access easement assumed to be granted by homeowners.

² Cost is for a Categorical Exemption

Director Miller asked Mr. Rolland about funds that were previously raised by the neighborhood. Mr. Rolland explained that in 2003 \$38,000 was raised by the neighborhood. No funds from 2003 effort were provided to the District.

Mr. Rolland asked the Engineering committee about the feasibility of this project moving forward.

Director Miller confirmed there is momentum in the neighborhood because the District put in Table Meadows Phase 1, and that they do want to see this project move forward.

Director Wilcox added that this project fits the criteria, and now it is a question of turning it back to Engineering to determine financial feasibility.

Ms. Wood stated that if the Engineering Committee recognizes this as a group, then it would be put on the DFWLE list. Currently, there are two other projects on the list that need to be addressed, and either be built or excused from the list due to lack of interest. At that point, the Engineering Department would prepare cost estimates to be reviewed by the Administrative Practices Committee for review, and recommend to the Board to encumber the funds. After approval by the Board is when the District would have a kickoff meeting. All of the affected property owners for this project would be invited to have the opportunity to receive the information.

Mr. King stated that it is the recommendation of staff to approve this to be added to the DFWLE Program.

Director Wilcox and Director Miller approved the recommendation.

Mr. King closed Item two and moved on to Item three.

Item # 3 Loma Rica Drive District Financed Waterline Extension

Shannon Wood, Business Services Technician, reviewed this potential project using District Financed Waterline Extension project.

The District received a petition signed by twenty-three (23) property owners to extend treated water from the south end of Lee Lane, and continuing on Loma Rica Drive. Regardless of including all of Loma Rica Drive, it did not meet the minimum target. Therefore, staff evaluated what adjustments could be done in order for this to be a successful project. This proposed project includes twenty properties potentially being served, fifteen of them have indicated interest, that is a 75% potential participation rate. Engineering is proposing 3,200 lf of 8-inch pipe. All parcels would be mainline connections with no variance connections at this time. There appears to be three (3) vacant parcels. The policy outlines limiting vacant parcels to 20 percent, which in this case is four (4).

Mr. King stated that it is the recommendation of staff to approve this to be added to the DFWLE Program.

Director Wilcox and Director Miller approved the recommendation.

Mr. King added that this DFWLE would be #4 on the list, behind Table Meadow Drive Phase 2. The Loma Rica group was very nice to us during the Lower Cascade Project, allowing us access to their properties. We appreciate their support.

Mr. King closed Item three and moved on to Item four.

Item #4 CEQA Contract for Hemphill Diversion Structure (FATR#7032)

The District asked for proposals for the California Environmental Quality Act (CEQA) work on the Hemphill Diversion Structure from three consultants. Three bids were received. One consultant was not available to provide a bid on this project. Helix was the low bidder at \$228,000. The second lowest bidder was Kleinschmidt at \$245,000, making Helix the preferred consultant for this work. Staff is requesting a recommendation to the Board to approve this contract with Helix for the CEQA on the Hemphill Facility. The goal is to look at the selected Alternative 4 River Bank Infiltration. Staff recommends an EIR due to the controversial and difficult issues relevant to Auburn Ravine.

Staff is requesting a recommendation for this item to the Board from the Engineering Committee.

Director Wilcox and Director Miller approved the recommendation.

This will be presented to the BOD meeting on February 14, 2018.

Mr. King closed Item number four and moved on to Item number five.

Item #5 Bear River Siphon Replacement Project (FATR #6746)

Director Miller expressed some concern regarding the change order.

Doug Roderick, Senior Engineer, explained that the topographic survey was developed by District staff. It was such a large project that it was flown for photogrammetry. Different locations on the ground were spot checked to verify the photogrammetry results. There were two main areas where the errors occurred. The biggest error was on the north side (Nevada County side) in the steep slope, where it was heavily overgrown with vegetation.

The other area was on the south side, and was a little more complicated. This location did not contain very much vegetation. It was mostly rock, and that is the reason why that particular outcrop did not get caught.

Director Miller expressed concern regarding errors.



NEVADA IRRIGATION DISTRICT BUDGET AMENDMENT FORM

Budget
Amendment #

BA 2020 - 159

Date: 12/1/2020
 To: Greg Jones, Interim General Manager
 From: Doug Roderick, Interim Engineering Manager

Initial _____

Budget Increase: Accounts being increased. Enter positive number.

Department	Object / Account	Amount Increase

Budget Decrease: Accounts being decreased. Enter negative number.

Department	Object / Account	Amount (Decrease)
10151 Engineering	52912 Program: Community Invest	\$ (916,232)

Reserve Impact: Increase = Positive, Decrease = Negative.

Division Funding	Funding Account	Increase/(Decrease)
10 Water Fund	34053 Capacity Fees	916,232

Explanation: Enter narrative explaining reason for amendment.

Rollover FY 2020 budget to FY 2021 for the Loma Rica DFWLE project.

APPROVALS:

	<u>Date</u>	<u>Signature</u>	<u>AGM/FM Initials</u>	<u>Approved/Denied</u>
Level I:				
Level II:				
Level III:				



NEVADA IRRIGATION DISTRICT

BUDGET AMENDMENT FORM

Budget Amendment #

BA 2021-02

Date: 12/1/2020
 To: Greg Jones, Interim General Manager
 From: Doug Roderick, Interim Engineering Manager

Initial _____

Budget Increase: Accounts being increased. Enter positive number.

Department	Object / Account	Amount Increase
10151 Engineering	52912 Program: Community Invest	\$ 916,232

Budget Decrease: Accounts being decreased. Enter negative number.

Department	Object / Account	Amount (Decrease)

Reserve Impact: Increase = Positive, Decrease = Negative.

Division Funding	Funding Account	Increase/(Decrease)
10 Water Fund	34053 Capacity Fees	(916,232)

Explanation: Enter narrative explaining reason for amendment.

Rollover FY 2020 budget to FY 2021 for the Loma Rica DFWLE project.

APPROVALS:

	<u>Date</u>	<u>Signature</u>	<u>AGM/FM Initials</u>	<u>Approved/Denied</u>
Level I:				
Level II:				
Level III:				