

Staff Report

for the Board of Directors' Meeting of April 13, 2016

TO: Board of Directors

FROM: Chip Close, Water Operations Manager
Shannon Matteoni, Business Services Technician

DATE: April 5, 2016

SUBJECT: Madrone Forest Drive District Financed Waterline Extension

OPERATIONS

RECOMMENDATION:

Encumber funds for the Madrone Forest Drive District Financed Waterline Extension project as recommended by the Administrative Practices Committee.

BACKGROUND:

This group originally attempted to use the DFWLE program in 2010. After significant changes to the DFWLE policy, the District received renewed interest from the group. The original petition has been reviewed for ownership changes and updated accordingly; thirty (30) landowners are interested in extending treated water along Madrone Forest Drive.

The Engineering Committee recognized this group May 21, 2014. The area has been mapped using the current policy methods. The project proposes approximately 4,050lf of 8-inch pipe and 750lf of 4-inch pipe which is a slight modification from the Engineering Committee review in 2014. As proposed, this project potentially serves 41 parcels of which there are 35 mainline connections and 6 variance connections.

The Administrative Practices Committee reviewed the project at the April 5, 2016 meeting. During discussion, it was confirmed that the 2016 budget available for Community Investment Programs is adequate for the estimated project costs. Once the funds are encumbered by the Board, these funds will be carried over into following years until the project is complete, or unencumbered due to discontinuing the project. The committee unanimously agreed to advance to the Board of Directors to encumber funds as appropriate.

BUDGETARY IMPACT: As follows:

Total Project Estimate: \$963,382

Community Investment Program: \$28,910

CIP, Capital Reserve Fund or Other Source(s): \$934,472

Cash Deposit (Good Faith Deposit 25 @ \$2,279): \$56,975

Deferred Revenue (minimum of 25 @ \$20,513): \$512,825

Future Reimbursement (16 parcels @ \$22,792): \$364,672

Attachments (2):

- Project Estimate
- Area Map

Madrone Forest District Financed Waterline Extension

ADMINISTRATION
EWO - 2009

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 (Labor)		1	ls	\$1,500	\$1,500	\$0	\$1,500	\$0
	Right of way (Labor)		1	ls	\$1,000	\$1,000	\$0	\$1,000	\$0
	Engineering/Administration Subtotal					\$4,500	\$0	\$4,500	\$0
	Burden on Payroll (Labor only)		47	%		\$1,410	\$0	\$1,410	\$0
<i>Subtotal</i>					\$5,910	\$0	\$5,910	\$0	
After Agreement	Contract administration (Labor)		1	ls	\$3,000	\$3,000	\$0	\$0	\$3,000
	Engineering administration (Labor)		1	ls	\$12,000	\$12,000	\$0	\$0	\$12,000
	Engineering (Labor)		1	ls	\$5,000	\$5,000	\$0	\$0	\$5,000
	Drafting (Labor)		1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
	Survey (Labor)		1	ls	\$34,000	\$34,000	\$0	\$0	\$34,000
	Inspection (Labor)		1	ls	\$7,000	\$7,000	\$0	\$0	\$7,000
	Right of way (Labor)		41	ea	\$500	\$20,500	\$0	\$0	\$20,500
	Right of way (Acquisition) ¹		41	ea	\$500	\$20,500	\$0	\$0	\$20,500
	Right of way (Consultant Appraisal)		16	ea	\$1,000	\$16,000	\$0	\$0	\$16,000
	CEQA administration (Labor) ³		1	ls	\$100	\$100	\$0	\$0	\$100
	Fish & Game, CEQA, & Recording Fees		1	ls	\$0	\$0	\$0	\$0	\$0
Engineering/Administration Subtotal					\$128,100	\$0	\$0	\$128,100	
Burden on Payroll (Labor only)		47	%		\$40,702	\$0	\$0	\$40,702	
<i>Subtotal</i>					\$168,802	\$0	\$0	\$168,802	
Administration Subtotal					\$174,712	\$0	\$5,910	\$168,802	

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	\$5,000	\$5,000	\$0	\$0	\$5,000
4-inch pipe ²	750	ft	\$60	\$45,000	\$0	\$0	\$45,000
8-inch pipe ²	4,050	ft	\$120	\$486,000	\$0	\$0	\$486,000
2-inch blowoff	2	ea	\$2,200	\$4,400	\$0	\$0	\$4,400
Air release assembly	3	ea	\$2,200	\$6,600	\$0	\$0	\$6,600
8-inch valve	3	ea	\$2,000	\$6,000	\$0	\$0	\$6,000
4-inch valve	2	ea	\$1,000	\$2,000	\$0	\$0	\$2,000
Fire hydrant	4	ea	\$5,000	\$20,000	\$0	\$20,000	\$0
Main ending with blowoff	1	ls	\$2,000	\$2,000	\$0	\$0	\$2,000
Single service assembly	41	ea	\$1,800	\$73,800	\$0	\$0	\$73,800
Double service assembly	0	ea	\$2,000	\$0	\$0	\$0	\$0
Creek Crossing	1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
Rock Removal	100	cy	\$250	\$25,000	\$0	\$0	\$25,000
<i>Construction Subtotal</i>				\$685,800	\$0	\$20,000	\$665,800
Contingency	15	%		\$102,870	\$0	\$3,000	\$99,870
Construction Subtotal				\$788,670	\$0	\$23,000	\$765,670

TOTAL ESTIMATED PROJECT COST \$963,382 \$0 \$28,910 \$934,472

TOTAL PARTICIPANT COST PER PARCEL = \$22,792

41 Total Parcels

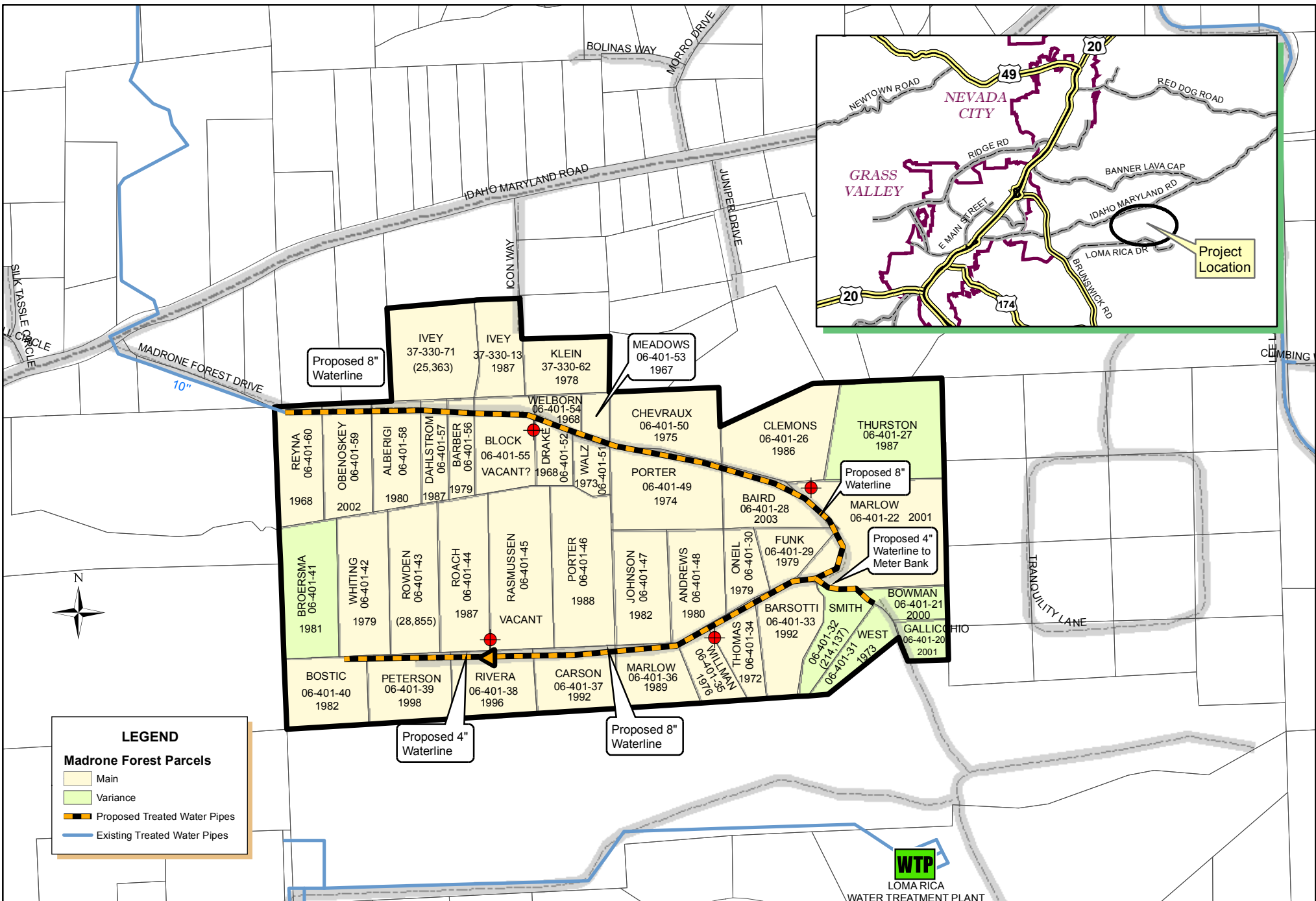
6 Variances, 35 Mainline

¹ Easements provided by participating landowners - Non Participating landowner easements purchased

² Cost includes patch of roadway

³ Cost is for a Categorical Exemption

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LEGEND

Madrone Forest Parcels

- Main
- Variance
- Proposed Treated Water Pipes
- Existing Treated Water Pipes



NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

MADRONE FOREST WLE