

# Staff Report

for the Board of Directors' Meeting of October 12, 2016

**TO:** Board of Directors

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

**DATE:** October 5, 2016

**SUBJECT:** Maranatha Place District Financed Waterline Extension

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## *OPERATIONS*

### **RECOMMENDATION:**

Encumber funds for the Maranatha Place District Financed Waterline Extension project as recommended by the Administrative Practices Committee.

### **BACKGROUND:**

The District received a petition which has been signed by seventeen (17) property owners interested in extending treated water along Maranatha Place connecting on Alice Way (map attached).

The Engineering Committee recognized this group November 18, 2014. The area has been mapped using the current policy methods. The project proposes approximately 3,000 lf of 8-inch pipe. As proposed, this project potentially serves 23 parcels of which there are 16 mainline connections and 7 variance connections. The minimum participation level (60%) would be 14 property owners.

The Administrative Practices Committee reviewed the project at the October 4, 2016 meeting. Property owners representing five parcels attended the meeting, all of whom signed the initial petition and are interested in getting treated water. The property owners had many questions which were addressed however will be covered in greater detail at a "kick-off" meeting for all property owners affected. Staff highlighted that there are three property owners who own multiple properties; it was clarified that the parcels are separate and would require separate funding agreements.

Following the Administrative Practices Committee meeting, the results of a regional flow study completed by ID Modeling provided recommendations for system modifications. Their study indicated that an additional fire pump and minor modifications to the David Way Pump Station are needed to accommodate this project and provide adequate regional fire flows. These modifications are proposed to be paid utilizing capacity fees due the regional benefit and are not part of the scope of costs for this project.

The committee unanimously agreed to advance to the Board of Directors to encumber funds as appropriate.

**BUDGETARY IMPACT:** As follows:

Total Project Estimate: \$608,897

Community Investment Program: \$23,865

CIP, Capital Reserve Fund or Other Source(s): \$585,032

Cash Deposit (Good Faith Deposit 14 @ \$2,544): \$35,616

Deferred Revenue (minimum of 14 @ \$22,892): \$320,488

Future Reimbursement (9 parcels @ \$25,436): \$228,924

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Attachments (2):

- Project Estimate
- Area Map

**MARANATHA PLACE**  
District Financed Waterline Extension

**ADMINISTRATION**

**Project No. 2010**

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	%		\$2,115	\$0	\$2,115	\$0
<i>Subtotal</i>				<b>\$6,615</b>	<b>\$0</b>	<b>\$6,615</b>	<b>\$0</b>	
After Agreement	Contract administration (Labor)	1	ls	\$3,000	\$3,000	\$0	\$0	\$3,000
	Engineering administration (Labor)	1	ls	\$5,000	\$5,000	\$0	\$0	\$5,000
	Engineering (Labor)	1	ls	\$4,000	\$4,000	\$0	\$0	\$4,000
	Drafting (Labor)	1	ls	\$3,000	\$3,000	\$0	\$0	\$3,000
	Survey (Labor)	1	ls	\$10,000	\$10,000	\$0	\$0	\$10,000
	Inspection (Labor)	1	ls	\$6,000	\$6,000	\$0	\$0	\$6,000
	Right of way (Labor)	17	ea	\$500	\$8,500	\$0	\$0	\$8,500
	Right of way (Acquisition) <sup>1</sup>	13	ea	\$0	\$0	\$0	\$0	\$0
	Right of way (Acquisition)	2	ea	\$3,000	\$6,000	\$0	\$0	\$6,000
	Right of way (Acquisition)	2	ea	\$10,000	\$20,000	\$0	\$0	\$20,000
	Right of way (Consultant Appraisal)	4	ea	\$2,500	\$10,000	\$0	\$0	\$10,000
	CEQA administration (Labor) <sup>3</sup>	1	ls	\$100	\$100	\$0	\$0	\$100
	Fish & Game, CEQA, & Recording Fees	1	ls	\$0	\$0	\$0	\$0	\$0
Engineering/Administration Subtotal				\$75,600	\$0	\$0	\$75,600	
Burden on Payroll (Labor only)	47	%		\$18,612	\$0	\$0	\$18,612	
<i>Subtotal</i>				<b>\$94,212</b>	<b>\$0</b>	<b>\$0</b>	<b>\$94,212</b>	
<b>Administration Subtotal</b>				<b>\$100,827</b>	<b>\$0</b>	<b>\$6,615</b>	<b>\$94,212</b>	

**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 <sup>2</sup>	2,960	ft	\$105	\$310,800	\$0	\$0	\$310,800
2-inch blowoff	2	ea	\$2,200	\$4,400	\$0	\$0	\$4,400
Air release assembly	1	ea	\$2,200	\$2,200	\$0	\$0	\$2,200
8-inch valve	3	ea	\$2,000	\$6,000	\$0	\$0	\$6,000
Fire hydrant	3	ea	\$5,000	\$15,000	\$0	\$15,000	\$0
Main ending with ARV	1	ls	\$2,000	\$2,000	\$0	\$0	\$2,000
Single service assembly	23	ea	\$1,800	\$41,400	\$0	\$0	\$41,400
Rock Removal	200	cy	\$250	\$50,000	\$0	\$0	\$50,000
<i>Construction Subtotal</i>				<b>\$441,800</b>	<b>\$0</b>	<b>\$15,000</b>	<b>\$426,800</b>
Contingency	15	%		\$66,270	\$0	\$2,250	\$64,020
<b>Construction Subtotal</b>				<b>\$508,070</b>	<b>\$0</b>	<b>\$17,250</b>	<b>\$490,820</b>

**TOTAL ESTIMATED PROJECT COST      \$608,897                      \$0                      \$23,865                      \$585,032**

**TOTAL PARTICIPANT COST PER PARCEL =      \$25,436**

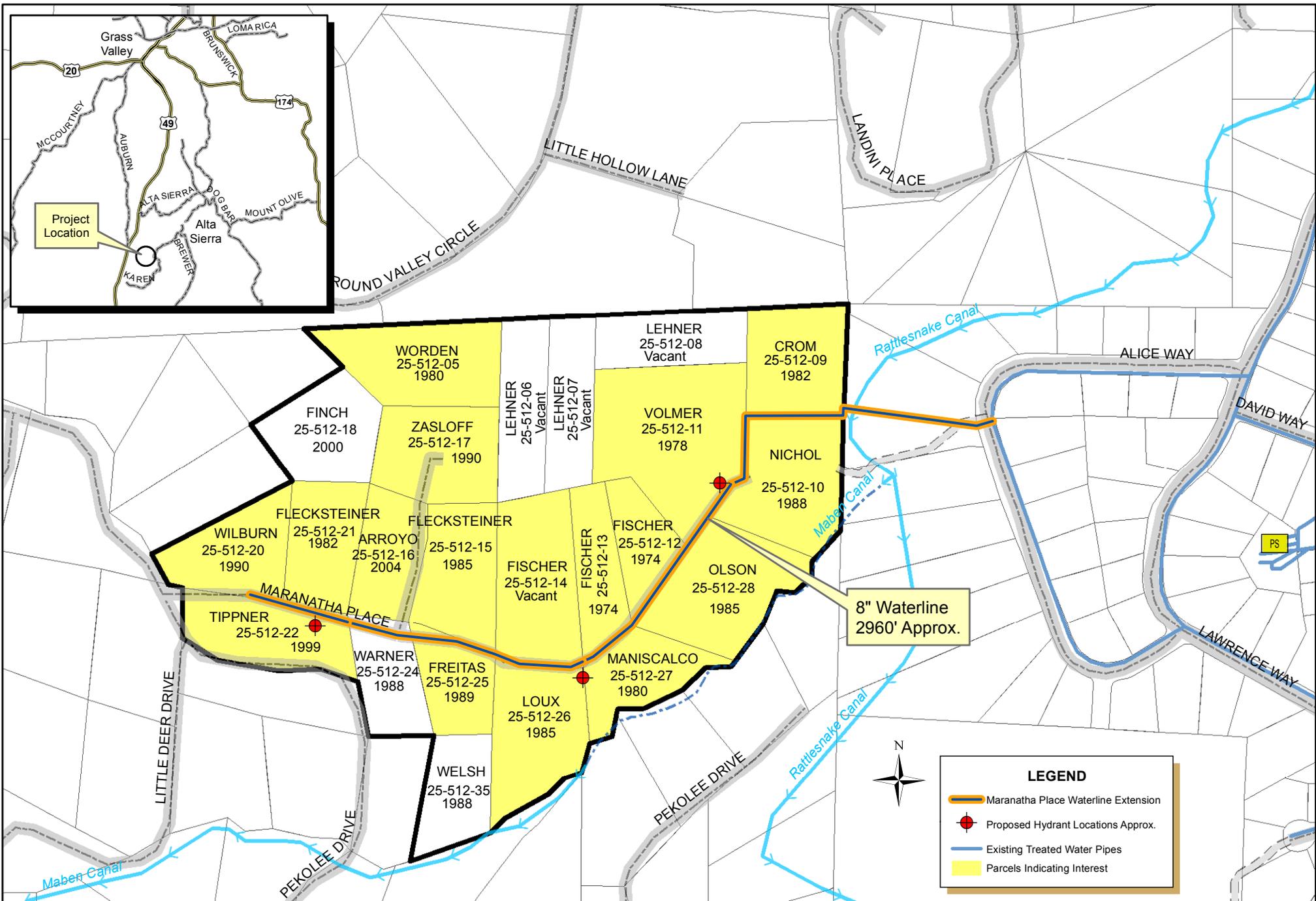
**23 Total Parcels**

7 Variances, 16 Mainline

<sup>1</sup> Easements provided by participating landowners - Non Participating landowner easements purchased

<sup>2</sup> Cost includes patch of roadway

<sup>3</sup> Cost is for a Categorical Exemption



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**LEGEND**

- Maranatha Place Waterline Extension
- Proposed Hydrant Locations Approx.
- Existing Treated Water Pipes
- Parcels Indicating Interest



**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**MARANATHA PLACE WATERLINE EXTENSION**

Drawn By: D. HUNT Date: 9/20/2016 Scale: 1"= 400' @ 8-1/2x11 Sheet: 1 of 1