

REPORT TO CITY COUNCIL

Approved by:



Department Director



Arnoldo Rodriguez, City Manager

Council Meeting of: February 20, 2019

Agenda Number: B-9

SUBJECT: Consideration of a Minute Order Acceptance of the Water Main Installations at Various Locations Project, City Project No. W 16-03; and

Consideration of a Resolution Approving Funding Amendments to the City of Madera Fiscal Year 2018/19 Capital Fund Budget for Water Main Installations at Various Locations City Project No. W 16-03

RECOMMENDATION:

Staff recommends that the City Council (Council) take the following actions regarding Water Main Installations at Various Locations Project, City Project No. W 16-03 (the "Project"):

1. Approve Minute Order accepting the Project, authorizing the recording of the Notice of Completion, and authorizing the release of retention 35 days after recording of the Notice of Completion.
2. Adopt a Resolution authorizing a funding amendment to Fiscal Year (FY) 2018/19 Capital Projects Budget appropriating \$13,000 in additional funds for the Project.

SUMMARY:

The City Council (Council), at their December 20, 2017 meeting, awarded a contract to Emmetts Excavation Inc. for the construction of the Project. The contractor has substantially completed the Project in accordance with the plans and specifications and as modified by approved change orders. Staff recommends that the Council accept the Project. Total Project costs exceeded the original budget by approximately \$13,000. A budget amendment is recommended to reconcile the budget with final Project costs.

DISCUSSION:

A final Project inspection was held by the Engineering Department. Affected divisions within the Public Works Department also participated in the final review of the Project. All parties agree the Project can be recommended for acceptance by the City Council and a Notice of Completion recorded. This Project is a conglomeration of seven City Capital Improvement Program (CIP) projects that were combined into a single project for enhanced economies of scale and to form a project size more conducive to lower construction bids.

The general scope of work for the Project consisted of the installation of approximately 1,750 feet of 8-inch water main and 2,520 feet of 12-inch water main. The CIP water main projects included within this Project and the reason for their inclusion are as follows:

1. W-FF-4: Olive Avenue, extending from Grove Street to Cypress Street. Install approximately 770 feet of new 12-inch water main. The 2014 Water System Master Plan recommended this installation for improvement of fire flow.
2. W-FF-1: Maple Street, extending from Pine Street to Noble Street. Install approximately 890 feet of 8-inch water main in parallel with an existing water line. The 2014 Water System Master Plan recommended this installation for improvement of fire flow.
3. W-FF-2: Rotan Avenue, extending from Howard Road to Oak Street. Install approximately 450 feet of 8-inch water main in parallel with an existing 6-inch water line. The 2014 Water System Master Plan recommended this installation for improvement of fire flow.
4. W-PSW-50: Pecan Avenue, extending from Monterey Street to approximately 680 feet west from Monterey Street. Install approximately 680 feet of new 12-inch water main. The 2014 Water System Master Plan recommended this installation to close a gap between existing lines in order to improve efficiency of the City's water system.
5. W-PSE-3: Pecan Avenue, extending from Madera Avenue to approximately 750 feet east from Madera Avenue. Install approximately 750 feet of new 12-inch water main. The 2014 Water System Master Plan recommended this installation to close a gap between existing lines in order to improve efficiency of the City's water system.
6. W-28: Sycamore Street, extending from the existing fire hydrant on Sycamore Street to Lake Street. Replace approximately 410 feet of existing 2-inch galvanized water line with new 8-inch water main. Public Works reported regular maintenance and repair issues with this existing 2-inch galvanized water line. This line was replaced to reduce regular maintenance on the line and increase water system redundancy and efficiency.
7. W-PNW-30: Intersection of Aviation Drive and Falcon Drive. Install approximately 320 feet of new 12-inch water main between Aviation Drive and Falcon Drive. The 2014 Water System Master Plan recommended this installation to close a gap between existing lines in order to improve efficiency of the City's water system.

A map showing the locations of each of the project elements described above is attached.

The original contract amount was \$671,037. An additional \$12,949 was added to the contract due to an emergency repair of leaking valves at Maple Street and Cypress Street that consisted of removing two gate valves at a tee connection and replacing them with three new gate valves. The replacement of the gate valves was considered an urgent need due to excessive leaking of water into the street as shown in the image below.



Figure 1 – Emergency repair at Maple Street and Cypress Street (Before Repair)

The contractor was working in Maple Street at the time that the leak was discovered. The leaking valve was not related to the work by Emmett’s Excavation. The City requested the Contractor provide a quote for the repair of the gate valves given that the Contractor was already on site and staff’s opinion that this would be a cost savings to the City over hiring a new contractor on an emergency basis. The Contractor submitted an acceptable proposal to the City.

Two Contract Change Orders were processed for work added/deleted to the Project. Significant contract adjustments are noted below.

Contract Change Orders

Change Order No. 1

CCO	Item Description	Amount
1-1	Extra work at Maple Street and Cypress Street: replace and install three each six-inch gate valves	\$ 12,949.00
1-2	Extra work at Howard Avenue and Rotan Avenue for hot tap procedure	\$ 7,681.00
1-3	Extra work: Potholing for utilities identified, but not shown on drawings at Sycamore Street and hot tap procedure at Olive Avenue	\$ 9,413.00
1-4	Extra Work: Potholing for utilities identified, but not shown on drawings at Sycamore Street	\$ 2,875.39
1-5	Extra Work: Overtime work to do a tie-in as requested by City staff	\$ 624.00
1-6	Extra work at Olive Avenue due to utility identified, but not shown on the drawings that conflicted with proposed pipe alignment	\$ 8,414.38
1-7	Extra work: Howard Avenue and Rotan Avenue sewer utility abandonment	\$ 1,016.52
1-8	Extra work: Potholing for utilities identified in the field, but not shown on the drawings at West Pecan	\$ 1,055.52
1-9	Extra work: Potholing for utilities identified, but not shown on the drawings at West Pecan Avenue	\$ 3,207.68
1-10	Extra work: Potholing for existing water valves and water line Olive Avenue and Park Ave Avenue	\$ 2,216.00
1-11	Extra work: Potholing to locate the end of the pipe not shown on plans at West Pecan Avenue	\$ 2,081.00
1-12	Extra work: Potholing for identified water line, but not shown on the drawings at Olive Avenue and Park Street	\$ 1,931.70
1-13	Extra work: Olive Avenue and Park tie-in to existing water main	\$ 3,413.15
1-14	Bid Item Number 20: Add one each of air vacuum and release valve at Olive Avenue at approximately 190' East of Olive Avenue and Park Street	\$ 3,000.00

1-15	Bid item number 22: Add 11.25 tons of aggregate base type II	\$ 675.00
1-16	Bid item number 11: Deduct five each 12-inch gate valve and valve boxes	\$ (15,000.00)
1-17	Bid Item Number 14: Deduct one each four-inch gate valve and valve boxes	\$ (1,500.00)
1-18	Bid Item Number 15: Deduct two each connection to existing water main at Olive Avenue and Park Street and Howard Avenue and Rotan Avenue	\$ (12,000.00)
1-19	Bid item number 8: Deduct one each 50 lineal foot 12-inch PVC-900 Class 235 Water Main at West Pecan Avenue alignment	\$ (3,500.00)
	Total Additive Amount - - - -	\$60,553.34
	Total Deductive Amount - - - -	\$32,000.00
	Total Additive Amount - - - -	\$28,553.34

Change Order No. 2

CCO	Item Description	Amount
2-1	Additional 52.5 tons of bid item number 23: Type B, half-inch asphalt concrete overlay	\$ 11,025.00
2-2	Extra work: 166.01 tons of Type B, half-inch asphalt concrete overlay at negotiated price for \$205.75 per Ton	\$ 34,156.56
	Total Additive Amount - - - -	\$45,181.56
	Total Deductive Amount - - - -	0.00
	Total Change Order 2 - - - -	\$45,181.56

The total cost of the Change Orders added \$73,734.90 to the contract, increasing the Project approximately 11 percent to \$744,771.90.

The construction of the Project was completed within the contract time. An adjusted budget appropriating additional funds in the amount of \$13,000.00 is necessary to fully fund the Project.

FINANCIAL IMPACT:

Funding for the Project was programmed in Fiscal Year (FY) 2017/18 in several line item accounts and rolled over into the FY 2018/19. The majority of the funds for the Project come from Water Utility Fund Account Number 20303830. The remaining funds representing new development

proportionate share of the Pecan Water Mains come from Water Pipe Impact Fee Account Number 40810000.

Exhibit AA to the Resolution transfers the costs associated with the Water Valve Repairs from Water Maintenance and Operations Fund Account Number 20303800 to the Maple Street Project Budget to cover construction costs and associated inspection, testing and staff time.

Construction of this Project had no financial impact on the City's General Fund.

CONSISTENCY WITH THE VISION MADERA 2025 PLAN:

Action 101.6 - This entire effort supports this strategy to ensure infrastructure can sustain population growth in the development of the General Plan.

ALTERNATIVES:

If Council does not accept the completion of this Project, then the Contractor cannot be paid the final amount due based on Project completion under the terms of the original agreement approved by City Council.

ATTACHMENTS:

1. Council Resolution
2. Map
3. Notice of Completion

ATTACHMENT 1

RESOLUTION NO. 19-_____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MADERA,
APPROVING FUNDING AMENDMENTS TO THE CITY OF MADERA
FISCAL YEAR 2018/19 CAPITAL FUND BUDGET FOR THE WATER
MAIN INSTALLATIONS AT VARIOUS LOCATIONS PROJECT, CITY
PROJECT NO. W 16-03**

WHEREAS, seven projects comprising the Installation of Water Mains at Various Locations Project, City Project No. W 16-03 ("Project"), hereinafter called "the Project", are included in the FY 2018/19 Budget for Capital Projects; and

WHEREAS, additional funds are necessary for the construction phase of the Project; and

WHEREAS, funds are available in the unprogrammed fund balance of the Water Maintenance and Operations Fund Org. No. 20303800.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF MADERA hereby resolves, finds, determines and orders as follows:

1. The above recitals are true and correct.
2. The 2018/19 Capital Projects Budget is hereby amended in accordance with Exhibit AA, which is incorporated by reference herein.
3. The City Clerk is authorized and directed to forward a copy of the resolution to the Director of Finance who is authorized to take such action as necessary to implement the terms of this resolution.
4. This resolution is effective immediately.

* * * * *

EXHIBIT AA

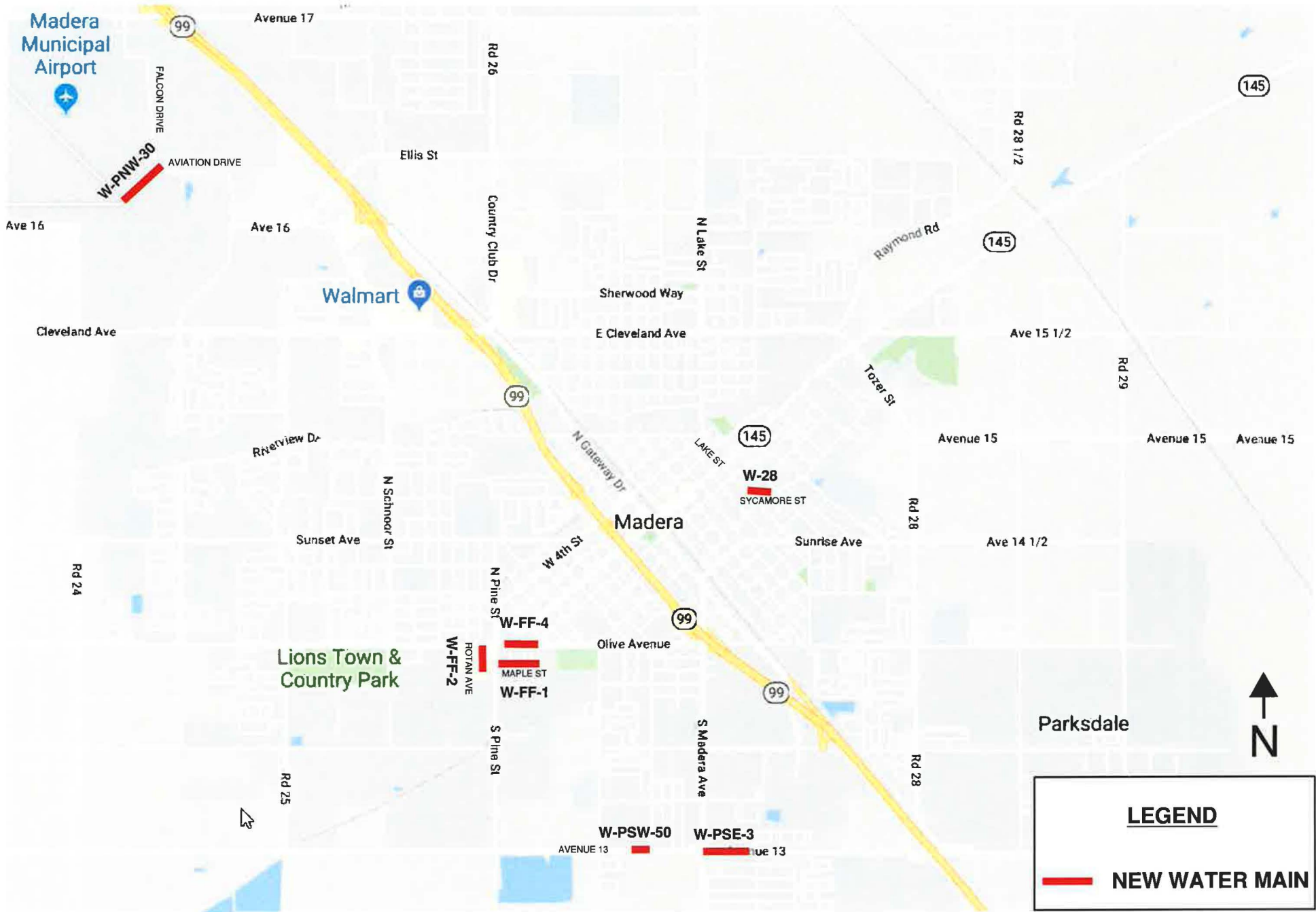
CITY OF MADERA

Resolution 19 -

Appropriating Additional Funds for the Water Main Installation at Various Locations
City Project No. W 16-03

ORG CODE	OBJECT CODE	PROJECT CODE	DESCRIPTION	ALREADY APPROPRIATED AS PART OF CONSTRUCTION APPROVAL	
				(+)	(-)
<u>Water Maintenance and Operations (20303800)</u>					
20303800	7050	W-FF-001	Maple St Water Main, Pine to Noble	13,000.00	
2030	6440		Unappropriated Fund Balance		13,000.00
				<u>13,000.00</u>	<u>13,000.00</u>

ATTACHMENT 2



**WATER MAIN INSTALLATIONS AT VARIOUS LOCATIONS
CITY PROJECT NO. W 16-03**

ATTACHMENT 3

RECORDING REQUESTED BY:
CITY OF MADERA

AND WHEN RECORDED MAIL TO:
CITY OF MADERA - CITY CLERK
205 W. 4TH STREET
MADERA, CA 93637

SPACE ABOVE THIS LINE FOR RECORDER'S USE
FEE WAIVED PER SECTION 27383 & 27388.1(a)(2)(D) OF THE GOVERNMENT CODE - NO DOCUMENT TAX DUE \$ -0-

NOTICE OF COMPLETION
Corporation

NOTICE IS HEREBY GIVEN THAT:

1. The undersigned is owner of the interest or estate stated below in the property hereinafter described,
2. The full name of the undersigned is City of Madera
3. The full address of the undersigned is 205 West 4th Street; Madera, CA 93637
4. The nature of the title of the undersigned is: In fee Public Improvements
(If other than fee, strike "In fee" and insert, for example, "purchaser under contract of purchase," or "lessee")
5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are:

NAMES	ADDRESSES
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N/A

6. A work of improvement on the property hereinafter described was completed on FEBRUARY 20, 2019
7. The name of the original contractor, if any, for such work of improvement was Emmett's Excavation, Inc.
(If no contractor for work of improvements as a whole, insert "none".)
8. The full name(s) and address (es) of the transferor(s) of the undersigned is (are):

NAMES	ADDRESSES
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N/A

(Complete where undersigned is successor to owner who caused improvement to be constructed)

9. The property on which said work of improvement was completed is in the City of Madera
County of Madera, State of California, and is described as follows:

WATER MAIN INSTALLATIONS AT VARIOUS LOCATIONS CITY PROJECT NO. W 16-03

10. The street address of said property is Madera City Limits
(If no street address has been officially assigned, insert "none".)

(Signature of Owner named In Paragraph 2)

Dated: _____

Keith Brent Helmuth, P.E
City Engineer

NOTICE OF COMPLETION – Page 2 of 2

STATE OF CALIFORNIA
County of Madera

Keith Brent Helmuth, being duly sworn says: That he is the City Engineer of the City of Madera,
The corporation that executed the foregoing notice as owner of the aforesaid interest or estate in the
property therein described; that he makes this verification on behalf of said corporation;
That he has read said notice and knows the contents thereof, and that the facts therein stated are true:

Signature of Officer: _____

The notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Madera

Subscribed and sworn to (or affirmed) before me on the _____ day of February, 2019, by Keith Brent Helmuth, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

_____(Seal)
Sonia Alvarez, City Clerk