

City Council Staff Report

Applicant:

NA

Location:

NA

Prepared By:

Steven Lord, Public
Works Director

Public Hearing:

No

Attachments:

Quotes

REQUEST

Contract with Wilson Excavating to replace the existing 6" culinary water line in 400 East with a new 8" culinary water line and add a capital project to the Culinary Water budget of \$120,000.

BACKGROUND & DESCRIPTION

The Water Resources Master Plan (2018) identifies the need to replace the aging and undersized pipes in the system with higher performing material and the correct pipe sizes to meet the demands of the system. 400 East currently is serviced with a 6" Ductile Iron culinary water line (see Figure 1 below).



Figure 1 400 East Water Line

The recommendations from the master plan are to upsize these water lines as opportunities arise. Opportunities can come in the form of necessary repairs, road maintenance projects, or adjacent development activity among others. In this case Whiting Fields subdivision is currently under construction adjacent to 400 East.

Work will be performed in 400 East to add services and widen the existing road. As such, the opportunity has arisen to replace the water line in the next few weeks.



Figure 2 Whiting Fields Subdivision

EVALUATION

The anticipated cost of the project was under \$70,000 so 3 separate contractors were contacted, and quotes were requested for the work. Wilson Excavation provided the lowest quote. Wilson is also the contractor completing the work on the Whiting Fields subdivision. The other contractors contacted were Fullmer and Rino. Their quotes are attached. According to the Mapleton City Purchasing Policy (not adopted yet), projects over \$70,000 require an open, public bid. To complete the project in conjunction with the subdivision development, it is recommended that the unadopted policy be waived to allow for expeditious approval.

RECOMMENDATION

Contract with Wilson Excavating to replace the existing 6" culinary water line in 400 East with a new 8" culinary water line and add a capital project to the Culinary Water budget of \$120,000.

RESOLUTION NO. 2022-

A RESOLUTION OF THE CITY OF MAPLETON, UTAH AUTHORIZING THE REPLACEMENT AND INCREASED SIZE OF A CULINARY WATER LINE IN 400 EAST

WHEREAS, Mapleton City wishes to maintain a well-functioning culinary water system, and

WHEREAS, the Water Resources Master Plan identifies particular water lines that are undersized, and

WHEREAS, the water line in 400 East is 6" in diameter and should be increased in size to 8", and

WHEREAS, work is currently being performed in 400 East in conjunction with the Whiting Field Subdivision,

NOW THEREFORE, BE IT RESOLVED by the City Council of Mapleton, Utah to contract with Wilson Excavation to replace the existing 6" culinary water line in 400 East with a new 8" culinary water line and add a capital project line item to the Culinary Water budget of \$120,000.

This resolution adopted this 3rd day of August, 2022 by the City Council of Mapleton City, Utah.

Dallas Hakes
Mayor

ATTEST:

Camille Brown
City Recorder

Wilson Excavation
 PO Box 28
 Spanish Fork, UT 84660
 801.360.9153 Brandon@wilsonexcavation.com



To:	Mapleton City	Contact:	0
Address:	0	Phone:	0

Project Name:	400 East Culinary Upsize	Bid Date:	6/11/2022
Project Location:	Mapleton, UT		

Item	Item Description	Quantity	Unit	Unit Price	Item Total
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MOBILIZATION / GENERAL CONDITIONS

Mobilization	1	EA	\$1,500.00	\$1,500.00
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MOBILIZATION / GENERAL CONDITIONS TOTAL:	\$1,500.00
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TESTING

Testing	1	LS	\$1,500.00	\$1,500.00
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TESTING TOTAL:	\$1,500.00
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WATER

Tie-In @ 800 N.	1	EA	\$4,500.00	\$4,500.00
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Tie-In 800 N. South St.	1	EA	\$1,800.00	\$1,800.00
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Hot Tap 200E @ 600 N	1	EA	\$3,600.00	\$3,600.00
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Tie to Hydrant	1	EA	\$1,800.00	\$1,800.00
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C900 Pipe 8" with sand	720	LF	\$45.80	\$32,976.00
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Granular Backfill/Structural Fill	710	TON	\$14.60	\$10,366.00
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Fitting 8"	4	EA	\$1,200.00	\$4,800.00
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Tee 8x6"	1	EA	\$1,630.00	\$1,630.00
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Tee 8"	2	EA	\$1,810.00	\$3,620.00
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Gate Valve 8"	7	EA	\$2,110.00	\$14,770.00
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2" Temp blowoff	1	EA	\$1,070.00	\$1,070.00
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1" Service trenchless pulling through old line		EA	\$3,100.00	
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1" Service trenched with new can and setter		EA	\$5,160.00	
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Export Unsuitable Trench Material	380	CY	\$12.80	\$4,864.00
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Thrust Blocks	1	LS	\$800.00	\$800.00
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Testing (Chlorine, Bacteria & Pressure)	1 LS	\$1,700.00	\$1,700.00
WATER TOTAL:			\$88,296.00

SITE CONCRETE

Valve Concrete Collar	8 EA	\$505.00	\$4,040.00
SITE CONCRETE TOTAL:			\$4,040.00

TOTAL IMPROVEMENT COST:	\$95,336.00
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Notes:

Bid excludes bonds, fees, permits, engineering, staking, surveying, testing, dewatering, hard dig

Bid reflects current pricing on pipe, asphalt and concrete products. Pricing good for 30 days

Mapleton City
 400 East Culinary Upsize (6" to 8")
 Limits

600 N (approx.) to 800 N

ITEM	Quantity	Units	Unit Cost	Total Cost				
Mobilization	1	EA	\$ 450.00	\$ 450.00	Per machine			
Testing	1	EA	\$ 3,000.00	\$ 3,000.00				
Tie-in @ 800 N	1	EA	\$ 3,500.00	\$ 3,500.00	Assumes tie on with a reducer			
Tie-in @ 600 N	1	EA	\$ 3,500.00	\$ 3,500.00	Assumes tie on with a reducer			
Hydrant re-connect	1	EA	\$ 3,000.00	\$ 3,000.00				
C900 8" Pipe with sand bedding	720	LF	\$ 70.00	\$ 50,400.00				
Granular Backfill/Structural Fill	710	TON	\$ 16.00	\$ 11,360.00				
8" Fitting	4	EA	\$ 1,000.00	\$ 4,000.00				
8"x6" TEE	1	EA	\$ 1,200.00	\$ 1,200.00				
8" TEE	2	EA	\$ 1,850.00	\$ 3,700.00				
8" Gate Valve	7	EA	\$ 2,950.00	\$ 20,650.00				
2" Temp Blowoff	1	EA	\$ 1,500.00	\$ 1,500.00				
Alternative 1								
1" service trenchless pull through old line	6	EA		\$ -				
Alternative 2								
1" service trenched with new can and setter	6	EA	\$ 3,250.00	\$ 19,500.00				
Export Unsuitable Material	380	CY	\$ 5.00	\$ 1,900.00	Could possibly be free	703	2109	5.55
Thrust Block	1	LS	\$ 175.00	\$ 175.00	Per CY			
Concrete Collar	8	EA	\$ 575.00	\$ 4,600.00	Valve Collars			
				\$ 132,435.00				



To:	Mapleton City	Contact:	
Address:	1405 West 1600 North Mapleton, UT 84664	Phone:	
Project Name:	400 East Culinary Water Upsize	Bid Number:	
Project Location:	400 East 600 North, Mapleton, UT	Bid Date:	7/7/2022

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Mobilization	1.00	LS	\$8,990.00	\$8,990.00
2	Water Line Testing	1.00	LS	\$1,280.00	\$1,280.00
3	Connect To Existing Water Main At 800 North - Materials For Tee Figured In Bid Item #10	1.00	EACH	\$3,775.00	\$3,775.00
4	Connect To Existing Water Main At 600 North - Materials For Tee Figured In Bid Item #10	1.00	EACH	\$3,775.00	\$3,775.00
5	Fire Hydrant Re-Connect - Includes 6" Gate Valve	1.00	EACH	\$3,725.00	\$3,725.00
6	8" PVC C900 Water Main	720.00	LF	\$61.50	\$44,280.00
7	Import Water Trench Backfill	710.00	TON	\$19.25	\$13,667.50
8	8" Water Line Bend	4.00	EACH	\$925.00	\$3,700.00
9	8"x6" Tee With Thrust Block	1.00	EACH	\$1,365.00	\$1,365.00
10	8" Tee With Thrust Block	1.00	EACH	\$1,475.00	\$1,475.00
11	8" Gate Valve	7.00	EACH	\$2,650.00	\$18,550.00
12	2" Blow Off Valve	1.00	EACH	\$1,895.00	\$1,895.00
13	1" Water Service Pulled Through Old Line - Assumes Using Existing Can And Setter	6.00	EACH	\$2,400.00	\$14,400.00
13-A	1" Service Trenched With New Can And Setter	6.00	EACH	\$3,810.00	\$22,860.00
14	Export Unsuitable Material	380.00	CY	\$17.20	\$6,536.00
15	Thrust Block	1.00	LS	\$875.00	\$875.00
16	Water Valve Concrete Collar	8.00	EACH	\$555.00	\$4,440.00
	No Bid For Asphalt Removal Or Replacement	0.00	SF	\$0.00	\$0.00

Total Bid Price: \$155,588.50

Notes:

- Bid excludes the handling and removal of hazardous waste.
- Bid does not include modification or removal of existing utilities.
- This proposal is valid for 30 days.
- Bid does not include compaction testing or staking.
- Bid does not include rock excavation of any kind, included but not limited to drilling, shooting, or blasting.
- Bid does not include dewatering.
- All unusable excavated material including but not limited to topsoil will be stockpiled on site.
- Unless noted otherwise, bid assumes that all native material is suitable for use as trench backfill.
- Unless noted otherwise, bid does not include haul off of any native material.
- Payment Terms: Buyer shall pay Fullmer Excavation in full within thirty (30) days following the date of Fullmer Excavation's invoices. In the event that payment is not made to Fullmer Excavation as provided herein, Fullmer Excavation shall be entitled to all of its costs, including attorney's fees and lien fees, in connection with the enforcement of its rights under this contract, whether or not legal proceedings are instituted. In addition, Fullmer Excavation shall be entitled to interest on all past due invoices under this contract, which interest shall accrue at the rate of 18% per annum (1.5% per month) from the date payment is due until payment is received by Fullmer Excavation, whether before or after judgement.
- It is understood that the above bid items and their associated number of units is an approximation. Fullmer Excavation shall be paid for the actual number of units installed as determined by field measurement. Import fill quantities will be billed based off of scale house tickets as provided by aggregate suppliers.

- Description of Work: Fullmer Excavation will provide the above listed construction services to the extent the work is detailed in the project plans and specifications. The above estimate was created based off of plans dated: . Any changes to the original plans and/or specifications which were used to create this contract may necessitate a change in the contract price and Buyer hereby agrees to execute all necessary change orders outlining the changed work and prices as submitted by Fullmer Excavation.
- Upon project owner's (or its representative) acceptance of this proposal, the above estimate, including the "notes", will become part of the contract.
- Bid does not include winter protection of concrete.
- Bid does not include roadway striping or sign installation.
- The price of fuel is based on current prices at time of bid. An increase of pricing greater than 15% will trigger fuel escalators. In the event of this price increase, the customer will assume additional fuel costs as part of the contract.
- The price of all underground utility & pipeline installation is based off of current prices at the time of bid. Due to current material supply & demand issues, project owner hereby agrees to pay Fullmer Excavation in full for all pipe and material stockpiled on site prior to project beginning. If owner refuses to pay stockpile material payments prior to the project beginning, owner hereby agrees to pay any and all price increases that take place between bid date and start date of the project.

ACCEPTED:

The above prices, specifications and conditions are satisfactory and are hereby accepted.

Buyer: _____

Signature: _____

Date of Acceptance: _____

CONFIRMED:

Fullmer Excavation

Authorized Signature: _____

Estimator: Jason Fullmer
(385) 254-9339 jason@fullmerexcavation.net