

ADDENDUM NO. 01

**FOURTH AND FIFTH STREET WATER MAIN IMPROVEMENTS
15% MBE AND 5% SBE PARTICIPATION**

January 14, 2019

TO ALL BIDDERS:

This addendum is issued to clarify and/or modify the specifications and contract documents for the titled project. This addendum, including all articles and corrections listed below, shall be taken into account in preparing the "Proposals" and shall become part of the Contract.

All bidders are requested to attach this Addendum to the Bid Form and return to the City. This Addendum No.1 includes:

- This page: AD1-1
- Additional Supplemental Specification Sheet #5
- Revised Bid Form Page #3a, 3b, 3c

Supplemental Specifications

- Additional Supplemental Specification Page, SS-5, issued providing specifications for Bid Items SP-1 and SP -2.

Bid Form

- The following changes were made to the bid form:
 - Estimated quantities for Items 441, 453, 608, 609, 653, 659 were reduced to account for restoration being performed by others. Actual quantities of restoration will be field coordinated.
 - Item 844, 24" x 24" Water Main Tap is deleted.
 - Item SPL-2, 24" x 24" Water Main Tap is added.

ITEM SP-1 (SPECIAL) - 24" WATER LINE STOP

This item shall consist of providing all the necessary labor, equipment and material required to furnish line stops in the existing 24" pipe.

Each set of the line stop equipment shall include a stopple plugging machine, necessary valves, fittings and flanges required to complete the line stop process of the type and size shown on the construction drawings. The plugging head of the plugging machine shall be capable to withstand a working pressure of 100 psi.

Each set of the line stop equipment shall be provided as a matched set from a single vender. Characteristics of the line stop set elements shall be as it is specified by Culy Contracting, Inc., or a company providing equal services of tapping and plugging cast iron pipe systems.

All cost for excavation and backfill and concrete thrust blocks associated with the 24" water line stops shall be included in the contractor's bid item SP-1

ITEM SP-2 (SPECIAL) - 24" x 24" WATER MAIN TAP

The 24" x 24" water main tap that includes the installation of the tapping sleeve and valve shall be done by the Contractor.

This item shall consist of providing all the necessary labor, equipment and material required to furnish "Wet Taps" in the existing ductile or cast iron pipe.

Tapping Sleeves shall be the high strength type having a wide body, made of a minimum material strength of ASTM 285 Grade C, ASTM A-36 Steel or equal, which conforms to and reinforces the pipe. The sleeve shall have as a minimum 7/8" wide gasket of Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000 with hydromechanical activated lip, captured in a recessed groove around the outlet; 3/4" corrosion resistant, high strength low alloy oval neck track head bolt per ASTM A242/ANSI 21.11/AWWA C-111 and heavy hex nut per A563 epoxy coated and a 3/4" forged steel test outlet. Flanged outlet shall be AWWA C207 Class D, ANSI 150 lb. drilling, recessed for tapping valve per MSS-SP60, outlets 2" - 12" rated for 175 PSI* maximum operating pressure. Tapping Sleeve shall be furnished with corrosion resistant shop coat paint primer.

For outlet sizes 14" and larger, the gasket groove must be consistently positioned about throat of tapping waterway. Inside diameter of the gasket groove must be set back a minimum of 1" from the waterway to allow dispersal of forces generated by gasket compression. Gasket grooves machined in a circle and formed to an elliptical shape will not be an accepted equal.

Nominal pipe sizes 36" and larger shall be of the heavy duty type. Tapping Sleeves shall be JCM 412 or approved equal.

Installation: Wet taps shall be performed by a Company specializing in large diameter wet taps such as Culy Contracting or approved equal. Use tapping sleeve, tapping valve, tapping machine of same manufacturer. Test the tapping sleeve and valve assembly hydrostatically before tapping. (Do not use air test.) Block properly under the tapping sleeve and valve to support the tapping assembly. Take measurements for adequate travel and clearance.

The Contractor shall be responsible for excavation to expose the full circumference of the main to be tapped and for backfilling the trench in accordance with Item 810 and Item 813.

All cost for excavation and backfill and concrete thrust blocks associated with the wet tap shall be included in the Contractor's bid item SP-2.

End of Section

Bid Form (Continued)

**FOURTH AND FIFTH STREET
WATER MAIN IMPROVEMENTS
(15% MBE AND 5% SBE PARTICIPATION GOAL)**

ITEM NO.	<u>DESCRIPTION</u>	<u>EST. QUANT.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL \$</u>
201	Tree Removed, 18 inch	1	EA.		
201	Stump Removed, 18 inch	1	EA.		
207	Temporary Soil Erosion and Sediment Control	1	LUMP		
305	Concrete Base, ODOT 499 Class FS	2200	S.Y.		
441	Asphalt Concrete	225	TONS		
453	Concrete Driveway	625	S.F.		
608	Concrete Walk	375	S.F.		
609	Barrier Curb	250	L.F.		
614	Maintaining Traffic	1	LUMP		
615	Low Strength Mortar Backfill, Type 1 (No Fly Ash)	2900	C.Y.		
623	Construction Layout Stakes	1	LUMP		
653	Topsoil Furnished and Placed, 4"	100	C.Y.		
659	Seeding and Mulching (Hydro Seed)	600	S.Y.		
810	Street Cut Permit	1	LUMP		
				\$ 4,492.80	\$ 4,492.80
810	Excavation and Backfill, 4" Water with Structural Backfill	100	L.F.		
810	Excavation and Backfill, 6" Water with Structural Backfill	240	L.F.		

Bid Form (Continued)

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WATER MAIN IMPROVEMENTS
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ITEM		EST.		UNIT	
<u>NO.</u>	<u>DESCRIPTION</u>	<u>QUANT.</u>	<u>UNIT</u>	<u>PRICE</u>	<u>TOTAL \$</u>
810	Excavation and Backfill, 12" Water with Structural Backfill	2240	L.F.		
810	Excavation and Backfill, 24" Water with Structural Backfill	1450	L.F.		
824	4" Ductile Iron Water Pipe & Fittings	100	L.F.		
824	6" Ductile Iron Water Pipe & Fittings	240	L.F.		
824	12" Ductile Iron Water Pipe & Fittings	2240	L.F.		
824	24" Ductile Iron Water Pipe & Fittings	1450	L.F.		
837	Abandoned, Special (Water Valves)	15	EA.		
840	4" Gate Valve and Appurtenances	1	EA.		
840	6" Gate Valve and Appurtenances	8	EA.		
840	12" Gate Valve and Appurtenances	4	EA.		
840	24" Gate Valve and Appurtenances	2	EA.		
843	Fire Hydrant, Installed	7	EA.		
843	Fire Hydrant, Removal	8	EA.		
844	Fire Hydrant, Relocated	4	EA.		
844	12"x12" Water Main Tap	2	EA.		
845	Service Replacement, Method "B"	200	L.F.		
845	Curb Stop 1"	8	EA.		
845	Curb Box, 1"	8	EA.		

Bid Form (Continued)

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ITEM NO.	<u>DESCRIPTION</u>	EST. <u>QUANT.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL \$</u>
847	Cut & Plug, 4" Water Line	2	EA.	_____	_____
847	Cut & Plug, 6" Water Line	1	EA.	_____	_____
847	Cut & Plug, 10" Water Line	3	EA.	_____	_____
847	Cut & Plug, 12" Water Line	1	EA.	_____	_____
847	Cut & Plug, 24" Water Line	2	EA.	_____	_____
SPL-1	24" Line Stop	1	EA.	_____	_____
SPL-2	24"x24" Water Main Tap	1	EA.	_____	_____
TOTAL BASE BID				\$	_____