

ADDENDUM NO. 4
WASTEWATER SYSTEM IMPROVEMENTS
CONTRACT 16-02
MILLER AVENUE WASTEWATER TREATMENT PLANT
IMPROVEMENTS
JACKSON ENERGY AUTHORITY
JACKSON, TENNESSEE
WAUFORD PROJECT NO. 3590
JEA WORK ORDER NO. 1700553
CDBG DISASTER PROJECT NO. 54299

Date of Addendum: Monday, January 14, 2019

Bid Opening: Thursday, January 17, 2019, 2:00 p.m. Local Time

1. BID FORM:

Replace pages BF-8 and BF-10* with attached pages BF-8* and BF-10**.

2. Detailed Specifications, Section 5, Piping, Fittings, Valves, Manholes, and Accessories, Paragraph 21. Plug Valves, Page DS 5-23:

Modify the last sentence to read as follows:

“Plug valves shall be DeZurik Series 100 with Figure 640 extended bonnets, **equivalent product by Pratt**, or approved equal.”

3. Detailed Specifications, Section 5, Piping Fittings, Valves, Manholes, and Accessories, Paragraph 22. Buried Valves and Accessories, Page DS 5-23:

Replace with the following:

“22. Resilient Seated Gate Valves

Resilient seated gate valves shall meet all requirements of the latest revision of ANSI/AWWA Standard C509 as modified in this paragraph. Submittals shall include catalog data and weight information. An affidavit of compliance is required. Bolting materials shall be cadmium plated. Stem sealing shall be by an O-ring.

Actuators shall be manual as depicted on the Plans. All actuators shall meet the requirements of ANSI/AWWA Standard C509. Manual actuators shall be square nut, floorstand, handwheel or chainwheel operated as shown on the Plans. Valves shall open counterclockwise.

Resilient seats shall be applied to both sides of the gate.

End connections shall be as shown on the Plans.

Resilient seated gate valves shall be M & H, Mueller, American Flow, or approved."

4. Detailed Specifications, Section 9, Miscellaneous Equipment, Paragraph 8. Temperature Transmitters, Page DS 9-5:

Delete this paragraph.

5. Detailed Specifications, Sub-Section 10G – High Efficiency Centrifugal Turbo Blowers, Paragraph 11. Blower Control, Page DS 10G-17:

Delete this paragraph.

6. Plans, Sheet 11:

Add the following construction note to this sheet:

"5. The Contractor shall keep two grit blowers in operation at all times."

7. Plans, Sheet 15:

Add the following construction note to this sheet:

"6. The Contractor shall remove all floor tile from the Digester Control Room and thoroughly clean and grind the existing concrete to a smooth finish."

8. Plans, Sheet 17

Revise as shown on the attached 8 ½" x 11" sheet.

9. Plans, Sheet 19:

Add the following construction note to this sheet:

"5. The Contractor has 30 calendar days from the date the existing grease tanks are taken out of operation to construct and place one side of the new grease tank in operation."

WAUFORD

J. R. Wauford & Company, Consulting Engineers, Inc.

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J. R. WAUFORD & COMPANY,
CONSULTING ENGINEERS, INC.



J. Gregory Davenport, P.E.
Tennessee License No. 104881

The Contractor shall be aware that the bid cost for this contract shall be the sum of bid items 1 through 9 and no additional payment will be made for work shown on the Plans or specified that is not described in a bid item.

Equipment to be Furnished

The prices for equipment listed below for work to be constructed under Sub-Sections 10A through 10H are included in the lump sum price shown previously as Paragraph 12, Lump Sum where applicable. The BIDDER may use the lowest priced item listed as an acceptable Base Bid item as the basis for arriving at his overall price. The BIDDER is required to fill in the items below in order to indicate the relative prices of the equipment of various manufacturers which may be considered by the Owner for various reasons. The Owner reserves the right to award the project based on any combination of equipment listed on Schedule "A". The prices shown below shall include the cost of furnishing and installing the various equipment items, including any modifications to the structure, piping, other equipment or other items which may be caused by the use of a particular piece of equipment.

The prices listed hereinafter are not to be in addition to the Lump Sum Price in Paragraph 12 but are to be included in it.

Sub-Section	Description	Price	Equipment Used in Base Bid (Show only one per Sub-Section)
9.7	<u>Final Clarifier Launder Covers</u>		
	NEFCO, Inc.	\$ _____	\$ _____
	Warminster Fiberglass	\$ _____	\$ _____
10A	<u>Positive Displacement Blowers (Grit / Post Aeration)</u>		
	Aerzen Corporation	\$ _____	\$ _____
	Robuschi	\$ _____	\$ _____
	Howden Roots	\$ _____	\$ _____
10B	<u>Circular Secondary Clarifiers</u>		
	Westech Engineering	\$ _____	\$ _____
	Evoqua Water Technologies, LLC	\$ _____	\$ _____
10C	<u>Fine Bubble Post Aeration System</u>		
	Sanitaire Corporation	\$ _____	\$ _____
	Stamford Scientific Int'l. Inc.	\$ _____	\$ _____
	Evoqua Water Technologies, LLC	\$ _____	\$ _____
	Aquarius Technologies, LLC	\$ _____	\$ _____
10D	<u>Waste Activated Sludge Thickener</u>		
	WesTech Engineering, Inc.	\$ _____	\$ _____
	Evoqua Water Technologies, LLC	\$ _____	\$ _____

12. CONTRACT 16-02 – MILLER AVENUE WASTEWATER TREATMENT PLANT IMPROVEMENTS (cont'd)

DEDUCTIVE ALTERNATES

The Owner reserves the right to deduct the following scope of work and resulting pricing from the total bid for Contract 16-02. ***The Owner reserves the right to award the contract based on the lowest Base Bid of the lowest bid total using combinations of Deductive Alternates.***

Deductive Alternate No. 1

ITEM NUMBER	APPROXIMATE QUANTITY	DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE	TOTAL PRICE
7.	Lump Sum	Renovation of Sludge Thickener No. 1 as shown on the Plans and specified herein complete in place including all demolition, materials, equipment, labor, appurtenances and incidentals For _____ _____ Dollars _____ Cents, per lump sum		\$ _____
TOTAL DEDUCTIVE ALTERNATE NO. 1			\$	_____

CONC. PIPE SUPPORT.
SEE DETAIL, THIS SHEET

⊕ EL. 372.96

12" STAINLESS STEEL
OFFSET PIPE CLAMP W/
5/8" ANCHORS 6" MIN.
INTO CONC. WALL (TYP.)

12" SCH. 10 S.S.
AIR PIPING (TYP.)

HIGH WATER LEVEL
EL. 370.33*

CONTRACTOR
VENDOR



⊕ EL. 362.50

4" PIPE STAND
TO EXISTING
FOOTING

12" S.S.

SECTION C-17

SCALE: 3/8"=1'-0"

SHEET 17 OF 21		WASTEWATER SYSTEM IMPROVEMENTS	
REVISIONS		CONTRACT 16-02	
ADDENDUM NO. 4 1/14/2019 WZM		MILLER AVENUE WASTEWATER TREATMENT PLANT IMPROVEMENTS	
SLUDGE DIGESTER MODIFICATIONS— SECTIONS AND DETAILS			
FOR JACKSON ENERGY AUTHORITY JACKSON, TENNESSEE			
SCALE	AS SHOWN	WAUFORD J. R. Wauford & Company, Consulting Engineers, Inc. Jackson, Tennessee (731)668-1953 www.jrwauford.com	DESIGNED JGD
PROJECT NUMBER	DATE		DRAWN WZM
3590	OCT., 2018		CHECKED JGD