

**WASTEWATER TREATMENT FACILITY
BIOSOLIDS DEWATERING IMPROVEMENTS, PROJECT NO. 1715
CITY OF WATERTOWN, SOUTH DAKOTA**

CONTRACTOR'S BID DATE: Tuesday, January 23, 2018, 2:00 p.m.

PLACE TO SUBMIT BIDS: City Finance Officer
23 Second Street NE
PO Box 910
Watertown, SD 57201-0910

ADDENDUM NO. 1
January 18, 2018

TO ALL PLANHOLDERS:

The following changes, additions, and/or deletions are hereby made a part of the contract documents for the above-referenced project, as fully and completely as if the same were fully set forth therein:

SPECIFICATIONS

1. Project Manual Cover:

Remove Mayor Steve Thorson and replace with Mayor Sarah Caron.
Remove City Council members Mr. Bill Rieffenberger and Mr. Randy Tupper, and replace with Mr. Adam Lalim and Mr. Josh Weyh.

2. Refer to Chapter 6, Section 03 3000 – Cast-in-Place Concrete:

Replace 2.06 B.1 with the following:

- "1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days:
a. All normal-weight concrete: 4,500 psi."

Replace 2.06 B.3 with the following:

- "3. Water-Cementitious Materials Ratio (W/C Ratio): 0.40 maximum"

3. Refer to Chapter 6, Section 23 3423 – HVAC Power Ventilators:

Add the following to Subsection 2.01 A:

- "6. Aerovent: www.aerovent.com."

4. Refer to Chapter 6, Section 23 7433 – Packaged Outdoor Make-up Air Units – Water Heat:

Add the following to Subsection 2.01:

- "E. Absolut-Aire: www.absolutaire.com."

5. Refer to Chapter 6, Section 23 8101 – Terminal Heat Transfer Units:

Add the following to Subsection 2.01.A:

- "4. Modine Manufacturing Company: www.modine.com."

6. Refer to Chapter 6, Section 33 3111 – Sanitary Sewer Pipe:

Replace 2.01.A with the following:

- "A. Plastic Pipe: AWWA C900, Pressure Class 165 (DR 25), 12" diameter and smaller, Polyvinyl Chloride (PVC) material; inside nominal diameter as indicated on drawings, bell and spigot style rubber ring sealed gasket joint."

7. Refer to Chapter 6, Section 43 2114 – Rotary Lobe Pump Equipment:

Replace 2.01 with the following:

"2.01 MANUFACTURERS

- A. LobePro.
- B. Vogelsang.
- C. Engineer approved equivalent."

Replace 2.02 A.1.f with the following:

- "f. Pump model: LobePro SM50, Vogelsang VX136-105Q."

Replace 2.02 A.2.f with the following:

- "f. Pump model: LobePro SM50, Vogelsang VX136-105Q."

Replace 2.03.F with the following:

- "F. The shafts shall be made of alloy steel AISI A4140 or carbon steel ASTM A293. The shaft keyway orientation shall be precisely timed in their rotation by timing gears running in a separate gear oil chamber also containing the shaft bearings. To minimize torsional stress on the shafts, the shaft minimum diameters shall be 1.772-inch for 0-16 gallons per 100 revolutions, 2.362-inch for 34-100 gallons per 100 revolutions, and 3.346-inch for 133 plus gallons per 100 revolutions. The maximum allowed shaft deflection shall not exceed 0.001 inch. The use of step down shafts in the wet end of the pump is not acceptable."

Delete 2.07.D.

PLANS

1. Refer to Plan Sheet C.01:

The following clarification shall be noted for Key Notes #3, #4, and #5:

- "Contractor may provide either the noted mechanical joint plug valve or flanged joint plug valves with flange by mechanical joint adapters."

2. Refer to Plan Sheet P86.01:

Under Fitting Schedule Number 4, replace the description with the following:

- "1" SCH 80 PVC pipe spool."

Under Fitting Schedule Number 8, replace the description with the following:

- "1-1/4" SCH 80 PVC pipe spool."

Under Fitting Schedule Number 11, replace the description with the following:

- "2" SCH 80 PVC pipe spool."

The following clarification should be noted on the Fitting Schedule Number 10:

"A fitting noted as number 10 has been mislabeled. The fitting is a 6"x2" FL reducer and not a 6" FL plug valve."

The following General Notes should be added:

- "8. Contractor shall provide one (1) double entry mobile platform with a platform width of 36-inches and a minimum length of 60-inches. The platform shall be painted steel with a minimum load rating of 800 pounds and a platform height of 30-inches. The double entry mobile platform shall be Platforms & Ladders Model DS-PWDE336-63, MP Industries Model 3DWP3660RL, or engineer approved equal."
- "9. Contractor shall provide one (1) mobile work platform with a platform width of 24-inches and a minimum length of 21-inches. The platform shall be painted steel with a minimum load rating of 500 pounds and a platform height of 30-inches. The double entry mobile platform shall be Platforms & Ladders Model DS-3SWP2421 or engineer approved equal."
- "10. Contractor shall provide one (1) foldable shop crane with storage and transportation maximum width of 32-inches and a maximum length of 24-inches. The crane shall have a self-contained hydraulic system with single action jack, adjustable telescopic boom, steel wheels, swivel hook with a safety latch to support heavy loads, and a minimum load rating of 2,000 pounds. The foldable shop crane shall be Ruger Model RC2000K or engineer approved equal."

3. Refer to Plan Sheet P86.03:

The following is a modification to Detail 2:


"Remove Fitting Schedule Number 8 from the 1-1/4" hot water piping that connects to existing copper hot water piping and feeds the polymer skid. The hot water piping connects into the existing copper hot water piping on the north building wall and runs toward the polymer skid by grid line 3. Pipe material for this hot water piping shall follow Specifications Chapter 6, Section 22 1005 and Plan Sheet M86.01."

4. Refer to Plan Sheet P92.01:

The following clarification shall be noted for Key Notes #2 and #3:

"In lieu of ordering or field drilling the offset flanged drillings, a Kempf Kollar as manufactured by Foundry Services Co, Omaha, NE maybe utilized."

All Bidders shall acknowledge receipt and acceptance of Addendum No. 1 by signing in the space provided in the Bid Form. Bids submitted without Addendum No.1 being acknowledged will be considered non-responsive.

	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly registered Professional Engineer under the laws of the State of South Dakota.</p>
	<p><i>Matthew James Pajl</i> Date: <u>1/18/18</u> MATTHEW JAMES PAJL, P.E. License No. 11935 My renewal date is December 31, 2019 Pages or sheets covered by this seal: <u>Entire document</u></p>

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