

July 12, 2026

Re: Water System Improvements Project
Henry, South Dakota
A-10155

Bid Opening: **July 16, 2026, 10:00 am Local Time**

ADDENDUM NUMBER 1

The following modifications become a part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgement of the addendum on the bid form, incorporating its provisions in the bid.

CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

1. SECTION 33 12 25, 1.03A- Replace paragraph "A" with the following paragraph:

- A. The pump house shall be equipped with two variable speed pumps. Pumps 1 and 2 shall be capable of pumping 50 gpm against a total dynamic head of 20 feet and 60 psi (158.6'). The pumps shall be ramped down to meet daily demands. The pump house shall also be equipped with one end suction pump capable of pumping 500 gpm against a total dynamic head of 330 feet and 60 psi (468.6').

2. SECTION 33 12 33.04- Include the attached specification:

ALL OTHER ITEMS OF THE PLANS AND SPECIFICATIONS REMAIN UNCHANGED

BY: 

PROJECT ENGINEER – HELMS & ASSOCIATES

Acknowledge receipt of the Addendum by inserting its number on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies them as above.

SECTION 33 12 33.04 – MAGNETIC FLOW METER AND REMOTE READER

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General and Supplementary Conditions, shall apply to the Work covered in this section.
- B. Related Work Specified Elsewhere:
 - 1. Water Utility Piping and Fittings - Section 33 11 00
 - 2. Water Utility Valves and Appurtenances - Section 33 12 16
 - 3. Disinfecting of Water Utility Distribution - Section 33 13 00

1.02 DESCRIPTION OF WORK

- A. This section covers all labor, material, equipment and related services necessary to furnish and install the user services as shown on the drawings and herein specified.

1.03 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. All meters and related appurtenances shall be shipped in accordance with the requirements of AWWA C700. Water meter ends shall be sealed to prevent the entry of foreign matter into the meter body. The boxes and crates in which meters are shipped shall completely enclose and protect the meter and accessories from foreign matter.
- B. Meters and accessories shall be stored in a manner so as to be protected from weather, moisture and other possible damage. Materials shall not be stored directly on the ground.
- C. All material shall be handled in a manner that will prevent damage to the interior and exterior surfaces.

1.04 SUBMITTALS

- A. The Contractor shall submit for review copies of shop drawings for materials specified herein in accordance with the requirements of Section 01 33 23 and the requirements as hereinafter specified.
- B. Copies of the manufacturer's warranty shall be provided with bid submittals.
- C. Bidders shall submit with their bids at least two (2) references including phone numbers and addresses of communities that are currently using the system being bid.
- D. Certification shall be provided that all pipes, plumbing fittings, and fixtures are "Lead Free" in accordance with the January 4, 2011 modification to Section 1417 of the Safe Drinking Water Act.

PART 2 PRODUCTS

2.01 FLOW METER

- A. The water meter shall be a (1) 6" magnetic flow meter capable of measuring flows within 0.25% of actual flow.
- B. The meter shall have carbon steel flanged fittings meeting ANSI B16.5 Class 150 RF

requirements.

- C. Electrodes shall be 316 Stainless Steel. Meter housing shall be welded carbon steel.
- D. Meters shall have the following features:
 - 1. 0.25% accuracy independent of fluid viscosity, density and temperature
 - 2. Unaffected by most solids contained in fluids
 - 3. Pulsed DC magnetic field for zero point stability
 - 4. No pressure loss for low operational costs
 - 5. Long life corrosion resistant liners
 - 6. Calibrated in state of the art facilities
 - 7. Integral and remote signal converter availability
 - 8. Optional grounding rings or grounding electrode
 - 9. Measurement largely independent of flow profile
 - 10. NSF listed
- E. Meters shall be equipped with junction box for remote Primo or “as equal” Amplifier. Features shall be:
 - 1. Microprocessor based
 - 2. Large 4 line x 16 character back-lit LCD display
 - 3. User friendly programming procedure
 - 4. Digital and analog outputs
 - 5. NEMA 4X enclosure.
 - 6. Remote wall mount
 - 7. Bidirectional flow sensing/totalization
 - 8. Automatic zero point stability
 - 9. Better than 0.1% repeatability
 - 10. Empty pipe detection
- F. The remote register shall be mounted on the control panel. All wiring, conduit, and seals shall be provided for the remote register.
- G. Magnetic flow meter shall be M2000 Magnetoflow Mag Meter, as manufactured by Badger Meter, Inc., or approved equal.

PART 3 EXECUTION

3.01 GENERAL

- A. Meter shall be installed as shown on the plans and in accordance to the manufacture’s recommendations.

PART 4 MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

- A. Measurement for meter and remote register shall be included with the price of the pumphouse.

4.02 BASIS OF PAYMENT

- A. No separate payment for meter and remote register shall be included.