

PROJECT:

42 Inch PCCP Raw Water
Conveyance Pipeline and EDV
Facility
1515 Granville Road
Westfield, MA 01085
Project No. 24-01

ADDENDUM NO. 5 04/18/2024

Posted: 04/18/2024 at 11:25AM EDT

Awarding Authority/Owner:

Springfield Water and Sewer Commission
250 M Street Extension
Agawam, MA 01001

Reference Contract Documents (drawings and specifications) dated 02/21/2024

The attention of Bidders submitting proposals for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the proposal submitted.

THE NUMBER OF THIS ADDENDUM (5) MUST BE ENTERED IN THE APPROPRIATE SPACE "B" PROVIDED AFTER THE WORD "NUMBERS" OF THE CONTRACT FORM ENTITLED "FORM FOR GENERAL BID," AND IN SPACE "B" OF THE "FORM FOR SUB-BID."

BID DOCUMENT MODIFICATIONS ARE AS FOLLOWS.

Other Modifications / Attachments:

The following attachment includes additional modifications, clarifications and/or provisions not included in the items above in this Addendum.
See document at the end of document.

All other of the portions of the Contract Documents remain unchanged. Please be reminded to acknowledge this Addendum on the bid forms.

ATTACHMENTS

Addendum No. 5 IFB 24-01 42 Inch and EDV.pdf

--- End of Addendum No. 5 ---

SPRINGFIELD WATER AND SEWER COMMISSION

ADDENDUM No. 5

**TO
CONTRACT DOCUMENTS FOR**

**IFB# 24-01 WEST PARISH FILTERS WATER TREATMENT PLANT 42 INCH
RAW WATER CONVEYANCE REHABILITATION AND ENERGY
DISSIPATION VALVE CHAMBER
WESTFIELD, MASSACHUSETTS 01201**

Bidders are hereby notified of the following additions, deletions, and modifications to the Contract Documents for IFB# 24-01 42 Inch Raw Water Conveyance Rehabilitation and Energy Dissipation Valve Chamber.

Bidders shall acknowledge receipt of this Addendum in the space provided on the bid forms.

A. ANNOUNCEMENTS

BIDS DUE TO SWSC and opened - **Friday April 26, 2024, 2:00 pm**

B. SPECIFICATIONS

Section 01500 Temporary Facilities – Paragraph 1.08 C delete and replace with:

- C. The Office shall be of suitable height and of ample size to accommodate the furniture and equipment listed below, without crowding (at least 600 sq. ft. of floor area). It shall be weathertight and acceptably insulated and suitably ventilated; the floor shall be tight and of sufficient construction to withstand the loads imposed upon it. The office shall consist of two separate office spaces for the Owner's field engineers and a third separate space for meetings/ conferences. Each office will have a door, with lock and key, and a minimum of two screened windows which can be both opened and locked shut. The office shall have two exterior doors, with cylinder locks and keys. The exterior doors shall also be provided with a hasp, for which the Engineer will furnish his own locks. The office shall contain separate and acceptable toilet facilities, to include a toilet, sink with hot and cold water,

exhaust fan, and mirror. The Contractor shall make arrangements and pay all costs associated with tying the office sanitary system into an approved disposal system.

Section 15114 Severe Service Knife Gate Valves and Appurtenances – Paragraph 2.02 B.4 delete and replace with: “Seats and Seals: Resilient seats.”

Section 15114 Severe Service Knife Gate Valves and Appurtenances – Paragraph 2.02 C.2.c delete and replace with: “The sealing and sliding surfaces of the body shall be resilient seats.”

Section 15114 Severe Service Knife Gate Valves and Appurtenances – Paragraph 2.02 C.4. delete and replace with:

4. Valve Operating Stem
 - a. The valve shall be operated using a single operating stem.
 - b. The valve stem shall be ACME threaded and non-rising.

Section 15114 Severe Service Knife Gate Valves and Appurtenances – Paragraph 3.01 A delete and replace with: “Shop test valves and actuators in accordance with ASME B16.34, API 598, or AWWA C-520 as specified.”

C. QUESTIONS

Question 1: Specification Section 15114 Knife Gate Valve 2.01 A.4 requires bi-directional closure which conflicts with 2.01 B 1.4 which requires Nitronic 60 metals seats. Metal seated valves will not seat properly in a bi-directional design. Can uni-directional valves be supplies? If bi-directional valves are required can resilient seats be provided in lieu of metal seats?

Response 1: The Knife Gate Valves shall be bi-directional with resilient seats. See modified specification above.

Question 2: Specification Section 15114 Knife Gate Valve 2.01 A Table states the valve ends to be double flanged with a flange to flange length per B16.10. Drawings 00 D-001, D-002 and D-003 appear to have standard narrow face to face with tapped bolt holes. Please clarify face to face requirements.

Response 2: ASME B16.10 indicates that face to face dimensions for Class 150 Knife Gate Valves are in accordance with MSS SP-135.

Question 3: Specification Section 15114 Knife Gate Valve 2.02 C.4.b requires stem to have a backseating ring. Backseating rings can only be supplied in a bonneted knife gate. Drawings 00 D-001 through D-003 appear to be bonnetless valves. Please clarify if bonneted or bonnetless valves are required.

Response 3: The design requires a bonnetless knife valve be supplied which fits within the EDV chamber with reasonable space to install and remove the valve. The Drawings correctly show the bonnetless knife gate valves.

Question 4: Specification Section 15114 Knife Gate Valve 3.01 A requires shop testing to be in accordance with ASME B16.34 and API 598 which are not applicable to knife gate valves. Will testing in accordance with MSS SP-81 or AWWA C-520 which are knife gate standards be acceptable.

Response 4: AWWA C-520 is acceptable. See modified specification above.

Question 5: Specification Section 15114 Knife Gate Valve 3.01 D.2 states an allowable leakage of 1.00 inches per inch diameter. This is a tighter tolerance than metal seated valves can achieve. MSS SP81, AWWA C520 which are applicable standards for knife gate valves both allow 40 CC per minute per inch diameter. Is this acceptable? If 1.00 cubic inch per inch of diameter seating is required, would resilient seated valves be acceptable?

Response 5: Since resilient seats are being used, no leakage is allowed, per AWWA C-520 5.1.3.2.

END OF ADDENDUM