

**ADDENDUM No. 4**

DATE: October 21, 2018

PROJECT: City of St. Charles – 2018 Dunham Road Sanitary Force Main Replacement

PROJECT NUMBER: STC-111

OWNER: City of St. Charles, Illinois

ENGINEER: Trotter and Associates, Inc.  
40W201 Wasco Road, Suite D  
St. Charles, Illinois 60175

TO: Prospective Bidders

The Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated September 21<sup>st</sup>, 2018, with amendments and additions noted below.

Return the provided Receipt of Addendum Acknowledgement to Trotter and Associates, Inc. and acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of one (1) page, plus attachments consisting of five (5) pages.

**Modifications to Project Specifications**

---

**1. Section 40 05 78.21 – AIR RELEASE VALVES FOR WASTEWATER SERVICE**

Section 40 05 78.21 is hereby added in its entirety.

---

ALL ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS HEREBY MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE NOTED ON THE PROPOSAL.

END ADDENDUM No. 4

Attachments: Section 40 05 78.21 – Air Release Valves for Wastewater Service 4 pages  
Addendum No. 4 Acknowledgement 1 page

## SECTION 40 05 78.21 ADM4 - AIR RELEASE VALVES FOR WASTEWATER SERVICE

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes: Air release valves for wastewater treatment facilities.
- B. Related Requirements:
  - 1. Section 09 96 00 - High-Performance Coatings.
  - 2. Section 40 05 07 - Pipe Support Systems.
  - 3. Section 40 05 51 - Common Requirements for Process Valves.
  - 4. Section 40 42 00 - Pipe, Duct and Equipment Insulation.

#### 1.2 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Requirements for coordination.
- B. Coordinate Work of this Section with installation of process piping.

#### 1.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.
- B. Product Data: Submit manufacturer catalog information.
- C. Shop Drawings: Indicate on assembly Drawings materials, dimensions, weights, and end connections.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for submittals.
- B. Project Record Documents: Record actual locations of air release valves.

#### 1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum ten years' documented experience.
- B. Installer: Company specializing in performing Work of this Section with minimum three years' documented experience and approved by manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Requirements for transporting, handling, storing, and protecting products.

1.7 EXISTING CONDITIONS

- A. Field Measurements:
1. Verify field measurements prior to fabrication.
  2. Indicate field measurements on Shop Drawings.

1.8 WARRANTY

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for warranties.
- B. Furnish five-year manufacturer's warranty for air release valves.

PART 2 - PRODUCTS

2.1 AIR RELEASE VALVES FOR WASTEWATER SERVICE

- A. Manufacturers:
1. APCO – ASU Combination Air Valve.
  2. Substitutions: As specified in Section 01 60 00 - Product Requirements.
- B. Description:
1. Stems and Bodies: Long-float type to minimize clogging.
  2. Furnish combination air valve, inlet shutoff valve, and discharge pipe extension.
- C. Materials:
1. Body and Cover: 316 stainless steel.
  2. Float, Shaft, Seat, and Trim: Type 316 stainless steel.
- D. Working Pressure:
1. 1.2 to 6 IN with SCAV body: 2-150 psig.
  2. 1 to 4 IN with threaded inlet on CAV body: 2-300 psig.
  3. 1 To 4 IN with threaded inlet on CAV body: 2-300 psig.
- E. Size: As indicated on Drawings.
- F. End Connections: Threaded or flanged as indicated on Drawings.

2.2 FINISHES

- A. Prepare piping appurtenances for field finishes as specified in Section 09 96 00 - High-Performance Coatings.

2.3 SOURCE QUALITY CONTROL

- A. Section 01 40 00 - Quality Requirements: Requirements for testing, inspection, and analysis.
- B. Provide shop inspection and testing of completed assembly.
- C. Certificate of Compliance:
1. If fabricator is approved by authorities having jurisdiction, submit certificate of compliance indicating Work performed at fabricator's facility conforms to Contract Documents.
  2. Specified shop tests are not required for Work performed by approved fabricator.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for installation examination.
- B. Verify that field dimensions are as indicated on Drawings.
- C. Inspect existing flanges for nonstandard bolthole configurations or design, and verify that new pipe and flanges mate properly.

3.2 PREPARATION

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for installation preparation.
- B. Thoroughly clean end connections before installation.
- C. Close pipe and equipment openings with caps or plugs during installation.
- D. Cleaning: Clean surfaces to remove foreign substances.

3.3 INSTALLATION

- A. According to manufacturer instructions.
- B. Provide access for operation, removal, and maintenance, and to avoid discharge to occupied areas or other equipment.

### 3.4 FIELD QUALITY CONTROL

- A. Section 01 40 00 - Quality Requirements: Requirements for inspecting and testing.
- B. Section 01 70 00 - Execution and Closeout Requirements: Requirements for testing, adjusting, and balancing.
- C. Inspect for interferences and proper supports.
- D. Testing:
  - 1. As specified in Section 40 05 51 - Common Requirements for Process Valves.
  - 2. Demonstrate operation without undue noise or vibration.
- E. Manufacturer Services: Furnish services of manufacturer's representative experienced in installation of products furnished under this Section for not less than 8 HRS on Site for installation, inspection, startup, field testing, and instructing Owner's personnel in operation and maintenance of equipment.
- F. Equipment Acceptance:
  - 1. Adjust, repair, modify, or replace components failing to perform as specified and rerun tests.
  - 2. Make final adjustments to equipment under direction of manufacturer's representative.
  - 3. Repair damaged coatings with material equal to original coating.
- G. Furnish installation certificate from equipment manufacturer's representative attesting that equipment has been properly installed and is ready for startup and testing.

### 3.5 CLEANING

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for cleaning.
- B. Keep interior of air release valves clean as installation progresses.

### 3.6 DEMONSTRATION

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for demonstration and training.
- B. Demonstrate equipment startup, shutdown, routine maintenance, and emergency repair procedures to Owner's personnel.

**END OF SECTION 40 05 78.21**



**City of St. Charles  
2018 Dunham Road Sanitary Force Main Replacement**

**Receipt of Addendum Acknowledgement  
Addendum No. 4**

Please check the appropriate box, enter the corresponding information required below, and return via fax to 630-587-0475 or email to [a.mestling@trotter-inc.com](mailto:a.mestling@trotter-inc.com). If you do not respond to this notice, repeat notices may follow. Failure to acknowledge receipt of addenda within the project Bid Documents may result in the Bid being declared Non-responsive.

\_\_\_\_\_ (Name of Plan Holder)

I have received the Addendum by email. I have confirmed that the Addendum is complete as indicated in the Addendum description.

I have received the Addendum via fax. I have confirmed that the Addendum is complete as indicated in the Addendum description.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Printed Name, Title)

Please send future correspondence by email to the address below.

\_\_\_\_\_ (Email Address)

Please send future correspondence by mail to the address below.

\_\_\_\_\_ (Recipient)

\_\_\_\_\_ (Company)

\_\_\_\_\_ (Street)

\_\_\_\_\_ (City, State, Zip)

I will not be bidding this project and request no further correspondence.