

ADDENDUM NO. 1

TO

CITY OF ROCHESTER

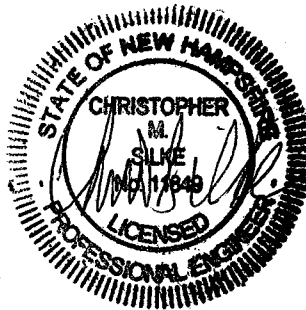
ROCHESTER, NEW HAMPSHIRE

BIDDING DOCUMENTS

FOR

RICHARDSON STREET PUMP STATION  
ELECTROMECHANICAL UPGRADE

MARCH 5, 2009



3-5-09

PREPARED BY:  
WRIGHT-PIERCE ENGINEERS  
230 Commerce Way  
Portsmouth, NH 03801

## ADDENDUM NO.1

### CITY OF ROCHESTER ROCHESTER, NEW HAMPSHIRE RICHARDSON STREET PUMP STATION ELECTROMECHANICAL UPGRADE

This addendum amends and/or supplements the bid documents as indicated below. Only these items alter the Bid Documents; any verbal discussions or responses are hereby declared null and void.

#### **SPECIFICATIONS**

1. **ADD:** Section 15103 Butterfly Valves to specifications per the specification attached to this addendum.
2. Section 01010A Part 4.1 **Delete** "before internal pump inspection"
3. Drawing E-4, Equipment Legend Items 1 and 2 . **Delete** text "Pump to be replaced." The existing pumps will remain as is.
4. **Delete** Note 6 on Drawing E-3. There is only one FE/FIT and will remain as currently installed.
5. **Delete** S4 and S4A from conduit and wire schedule. These are not required as FE/FIT will remain as currently installed.
6. Bid Form, Page 3 of 31 Last line before end of section. **Delete** "Work shall be substantially completed 30 days from authorization to proceed".
7. Drawing PR-1, Proposed Process Piping Modification Section A-A. New tees to be installed shall be 8" x 4" **NOT** 8" x 6" as noted.
8. Advertisement for Bid, Page 1, Item 2, **Delete** "bid security in the amount of 10%" and **Replace** with "bid security in the amount of 5%".
9. Section 015114 Pressure Relief/Surge Anticipation Valve, Part 2.1.C.7 High Pressure Pilot Range equals 150 psi.

## SECTION 15103

### BUTTERFLY VALVES

#### PART 1 - GENERAL

##### 1.1 DESCRIPTION

- A. Work Included: Furnish and install butterfly valves of the type(s) and size(s) and in the location(s) shown on the Drawings and as specified herein.
- B. Related Work Specified Elsewhere: "Valves and Specialties - General" is specified in this Division.

##### 1.2 QUALITY ASSURANCE

- A. All butterfly valves of the same type, class, and duty shall be by one manufacturer.
- B. Qualifications of Products: Have proven reliable in similar installations over a reasonable number of years.
- C. Acceptable manufacturers:
  - 1. Clow
  - 2. Dresser
  - 3. Pratt
  - 4. Or approved equal

#### PART 2 - PRODUCTS

##### 2.1 MATERIALS

- A. Liquid service:
  - 1. Equal or exceed requirements of AWWA C-504, Class 150B for frequent operation.
  - 2. Bubble tight-shut off at rated pressure.
  - 3. Body: Cast or ductile iron.
  - 4. Disc: Bronze, cast iron, ductile iron, Ni-resist per manufacturer's standard and valve size.
  - 5. Valve seat: Dovetail, natural or synthetic rubber, or elastomer material. Seats shall be suitable for sewage.
  - 6. Acceptable valve connections:
    - a. For buried applications, mechanical joints shall be used unless otherwise shown on the Drawings.
    - b. For interior applications, flanged (125 lb. standard), wafer (20 inch valves and smaller), and grooved joints can be used unless otherwise shown on the drawings.
  - 7. Rating: 250 psi minimum water working pressure unless otherwise shown on the Drawings.

8. Operator:
  - b. Exposed:
    - (1) Lever activator with infinite lockable positioning capability standard on 6 inch and smaller valves.
    - (2) Gear driven handwheel standard on 8 inch and larger valves except as indicated below.
    - (3) Gear driven chain wheel with galvanized chain for valves with operators greater than 6'-6" from operating floor.
9. Opening direction shall be counterclockwise.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. In accordance with the Section 15100.
- B. For horizontal piping, install valves with stems vertical for air and gas service and horizontal for all other services.

END OF SECTION