



architects + engineers

3 Lear Jet Lane, Ste 205
Latham, NY 12110 | tel 518.765.5105

ADDENDUM NUMBER FOUR TO BIDDING DOCUMENTS

**Village of Mount Kisco, Additions/Alterations to
Mutual Fire Station and Independent Fire Co. Fire Station**

Date: February 9, 2022

Site Address: Mutual: 99 Main Street, Mount Kisco, NY 10549
Independent: 322 Lexington Ave, Mount Kisco, NY 10549

Owner: Village of Mount Kisco
Village Hall
104 Main Street
Mount Kisco, NY 10549

Architect: H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
Phone: 518-765-5105
Fax: 518-765-5107

TOTAL PAGES (Including Cover Page and attachments): 6 - 11" x 8.5" pages

NOTE: ALL BIDDERS MUST EMAIL TO albanyoffice@h2m.com A CONFIRMATION OF RECEIPT OF THIS ADDENDUM. PLEASE PRINT COMPANY NAME, SIGN AND DATE THIS COVER PAGE AND EMAIL TO H2M architects + engineers.

Company Name _____
(Please Print)

Sign and Date _____

The information described herein as Addendum Number Four, is hereby made addenda to all previously issued construction documents related to the Project and shall be incorporated into the Scope of the Base Bid. These pages shall be attached to the Project Manual.

**The Bid Date remains February 15, 2022, at 11:00 A.M.
As Amended in Addendum #2.**

SPECIFICATIONS FOR INDEPENDENT FIRE STATION

Item #S1 – INDEPENDENT

Section – Table of Contents

1. Add to the Table of Contents in Division 33, Section “330110.58 – Disinfection of Water Utility Piping Systems”.

Item #S2 – INDEPENDENT

Section 330110.58 – Disinfection of Water Utility Piping Systems

1. Add Section included at the end of this Addendum.

SPECIFICATIONS FOR MUTUAL FIRE STATION

Item #S1 – MUTUAL

Section – Table of Contents

1. Add to the Table of Contents in Division 33, Section “330110.58 – Disinfection of Water Utility Piping Systems”.

Item #S2 – MUTUAL

Section 330110.58 – Disinfection of Water Utility Piping Systems

2. Add Section included at the end of this Addendum.

End of Addendum #4

See following attachments:

1. Specification Section 330110.58 – Disinfection of Water Utility Piping Systems – INDEPENDENT FIRE STATION
2. Specification Section 330110.58 – Disinfection of Water Utility Piping Systems – MUTUAL FIRE STATION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Disinfection of building domestic water piping specified in Section 221005.

1.02 RELATED REQUIREMENTS

- A. Section 221005 - Plumbing Piping: Disinfection of building domestic water piping system.

1.03 REFERENCE STANDARDS

- A. AWWA B300 - Hypochlorites; 2018.
- B. AWWA B301 - Liquid Chlorine; 2010.
- C. AWWA B303 - Sodium Chlorite; 2018.
- D. AWWA C651 - Disinfecting Water Mains; 2014.

1.04 SUBMITTALS

- A. Certificate: Certify that cleanliness of water distribution system meets or exceeds specified requirements.
- B. Disinfection report:
 - 1. Type and form of disinfectant used.
 - 2. Date and time of disinfectant injection start and time of completion.
 - 3. Test locations.
 - 4. Initial and 24 hour disinfectant residuals (quantity in treated water) in ppm for each outlet tested.
 - 5. Date and time of flushing start and completion.
 - 6. Disinfectant residual after flushing in ppm for each outlet tested.
- C. Bacteriological report:
 - 1. Date issued, project name, and testing laboratory name, address, and telephone number.
 - 2. Time and date of water sample collection.
 - 3. Name of person collecting samples.
 - 4. Test locations.
 - 5. Initial and 24 hour disinfectant residuals in ppm for each outlet tested.
 - 6. Coliform bacteria test results for each outlet tested.
 - 7. Certification that water complies, or fails to comply, with drinking water standards of New York State.

1.05 QUALITY ASSURANCE

- A. Water Treatment Firm: Company specializing in disinfecting potable water systems specified in this Section with minimum three years documented experience.
- B. Testing Firm: Company specializing in testing potable water systems, certified by governing authorities of New York.
- C. Perform work in accordance with ANSI/AWWA C651, latest edition.

PART 2 PRODUCTS

201 DISINFECTION CHEMICALS

- A. Chemicals: AWWA B300, Hypochlorite, AWWA B301, Liquid Chlorine, AWWA B302, Ammonium Sulfate, and AWWA B303, Sodium Chlorite.

PART 3 EXECUTION

301 DISINFECTION

- A. Use method prescribed by the applicable state or local codes, or health authority or water purveyor having jurisdiction, or in the absence of any of these follow AWWA C651.
- B. Provide and attach equipment required to perform the work.
- C. Introduce treatment into piping system.
- D. Maintain disinfectant in system for 24 hours.
- E. Flush, circulate, and clean until required cleanliness is achieved; use municipal domestic water.
- F. Replace permanent system devices removed for disinfection.

302 FIELD QUALITY CONTROL

- A. Test samples in accordance with AWWA C651.

END OF SECTION 330110.58

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Disinfection of building domestic water piping specified in Section 221005.

1.02 RELATED REQUIREMENTS

- A. Section 221005 - Plumbing Piping: Disinfection of building domestic water piping system.

1.03 REFERENCE STANDARDS

- A. AWWA B300 - Hypochlorites; 2018.
- B. AWWA B301 - Liquid Chlorine; 2010.
- C. AWWA B303 - Sodium Chlorite; 2018.
- D. AWWA C651 - Disinfecting Water Mains; 2014.

1.04 SUBMITTALS

- A. Certificate: Certify that cleanliness of water distribution system meets or exceeds specified requirements.
- B. Disinfection report:
 - 1. Type and form of disinfectant used.
 - 2. Date and time of disinfectant injection start and time of completion.
 - 3. Test locations.
 - 4. Initial and 24 hour disinfectant residuals (quantity in treated water) in ppm for each outlet tested.
 - 5. Date and time of flushing start and completion.
 - 6. Disinfectant residual after flushing in ppm for each outlet tested.
- C. Bacteriological report:
 - 1. Date issued, project name, and testing laboratory name, address, and telephone number.
 - 2. Time and date of water sample collection.
 - 3. Name of person collecting samples.
 - 4. Test locations.
 - 5. Initial and 24 hour disinfectant residuals in ppm for each outlet tested.
 - 6. Coliform bacteria test results for each outlet tested.
 - 7. Certification that water complies, or fails to comply, with drinking water standards of New York State.

1.05 QUALITY ASSURANCE

- A. Water Treatment Firm: Company specializing in disinfecting potable water systems specified in this Section with minimum three years documented experience.
- B. Testing Firm: Company specializing in testing potable water systems, certified by governing authorities of New York.
- C. Perform work in accordance with ANSI/AWWA C651, latest edition.

PART 2 PRODUCTS

2.01 DISINFECTION CHEMICALS

- A. Chemicals: AWWA B300, Hypochlorite, AWWA B301, Liquid Chlorine, AWWA B302, Ammonium Sulfate, and AWWA B303, Sodium Chlorite.

PART 3 EXECUTION

3.01 DISINFECTION

- A. Use method prescribed by the applicable state or local codes, or health authority or water purveyor having jurisdiction, or in the absence of any of these follow AWWA C651.
- B. Provide and attach equipment required to perform the work.
- C. Introduce treatment into piping system.
- D. Maintain disinfectant in system for 24 hours.
- E. Flush, circulate, and clean until required cleanliness is achieved; use municipal domestic water.
- F. Replace permanent system devices removed for disinfection.

3.02 FIELD QUALITY CONTROL

- A. Test samples in accordance with AWWA C651.

END OF SECTION 330110.58