

# 693-12-119 Plumbing Upgrades, Phase 2 (Amendment No. 1)

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VA Medical Center – Wilkes-Barre, PA

Project 693-11-119 Plumbing Upgrade, Phase 2

Amendment No. 1

26 August 2016

## GENERAL AMENDMENT DESCRIPTIONS

### Plumbing:

- Plumbing connections defined to Phase 1 piping.
- Sole source brand name of Johnson Controls for Building Automation Controls work.
- Point of use (faucet) filters removed from the project.
- Faucet changeout scope of work modified to CLC only. Faucet type revised to dual power (battery-electric).
- Shower controls change out limited to CLC only. Showerhead Legionella filters furnished by Government.
- Connection point of new domestic water service extension to 5<sup>th</sup> floor north wing extended back to point of entry into Building 1 North Wing (NB-125 Bulk Storage)
- Piping extension of domestic water feed to 13<sup>th</sup> floor day tank extended to day tank, with new connections.
- Piping configuration on 5<sup>th</sup> floor modified to provide a continuous loop for the hot water distribution.
- General work scope items clarified.

### Electrical:

- Faucet changeout scope of work modified to CLC only. Faucet type revised to dual power (battery-electric). Electrical power modifications required at each faucet changeout location to consist of extension of electrical duplex receptacle beneath existing lavatory to accommodate 6VDC electrical plug in adapter for new faucet.
- Clarification provided on source of emergency electrical power from panel on mezzanine level of boiler plant.
- All electrical equipment to be on emergency power. Contract documents illustrate emergency power for all mixing valve stations, pumps, basement level booster pump, etc..

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## **DRAWING AMENDMENTS**

### **Cover Sheet:**

Cover sheet amended to include following added drawings: 1-E14, 1-15, 1-E16, and 1-E17 added to list of drawings

### **Architectural Drawings:**

#### **Drawing: 1-A3 Building 1, Fifth Floor, West/Center and East Architectural Plans**

Revision: Keyed new work tags added to Typical mechanical room enlarged plans 3 and 4.

#### **Drawing: 1-A4 Building 1, Basement, First, Second, Third, and Fourth Floor North Architectural Plans**

Revision: Enlarged hatched scope of work area in basement, north wing, to reflect expanded scope of work for plumbing piping replacement.

### **ICRA Drawing:**

#### **Drawing: 1-ICRA4 Building 1, Basement, First, Second, Third, and Fourth Floor ICRA Plans-North**

Revision: Enlarged hatched scope of ICRA containment area in basement, north wing, to reflect expanded scope of work for plumbing piping replacement.

### **Plumbing Drawings:**

#### **Drawing: 1-P2 Facility Key Plan and Scope of Work**

Revision: Scope of work descriptions modified

#### **Drawing: 1-P3 Building 1 Basement, North, East, and West Plumbing Plans**

Revisions:

1. Keyed new and demolition work notes revised
2. Scope of new domestic water service in basement, north wing expanded.
3. Detail added for water service, Building 1 North
4. Pipe sizing clarified for Building 1 Basement West

#### **Drawing: 1-P4 Building 1 Basement Ambulatory Care Plumbing Plan**

Revision: Keyed new work and demolition notes revised.

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## **Drawing: 1-P5 Building 1 Basement Boiler Plant/Warehouse Plumbing Plan**

Revision:

1. Keyed new work and demolition notes revised.
2. Connections between Phase 1 and Phase 2 piping identified.
3. General notes added regrading existing piping chlorination and pressure testing.
4. General note added regarding concurrent Boiler Plant project in the basement area of Building 1.

## **Drawing: 1-P6 Building 27 CLC First Floor Plumbing Plan**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P7 Building 1 First Floor Ambulatory Care, North, and West Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P8 Building 1 Center/East and Building 27 CLC Second Floor Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P9 Building 1 Second Floor Ambulatory Care and North Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P10 Building 1, Third Floor CLC, and East Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P11 Building 1 Third Floor Ambulatory Care and North Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P12 Building 1, Fourth Floor East and Building 27 CLC Fourth Floor Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P13 Building 1 Fourth Floor West, Ambulatory Care and North Plumbing Plans**

Revision: Keyed new work and demolition notes revised.

## **Drawing: 1-P14 Building 1 Fifth Floor Plumbing Plans**

Revision:

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1. Keyed new work and demolition notes revised.
2. Hot water distribution system piping configuration and sizing revised to provide a continuous loop.

### **Drawing: 1-P15 Building 1 Eighth Floor Plumbing Plan**

Revision: Keyed new work and demolition notes revised.

### **Drawing: 1-P16 Building 1 Thirteenth Floor Plumbing Plan**

Revision:

1. Keyed new work and demolition notes revised.
2. Twelfth floor plumbing plan added with additional scope items and clarifications.
3. Partial elevation at daytank (13<sup>th</sup> floor) added for clarification.

### **Drawing: 1-P17 Plumbing Details**

Revision:

1. Mixing valve station detail revised with additional clarification notes.
2. Electronic gooseneck faucet detail revised with additional clarification notes.

### **Drawing: 1-P18 Plumbing Details**

Revision:

1. Detail #7 revised with respect to faucet and deleting point of use filters.
2. Detail #9 revised to prohibit the use of butterfly valves on the new inline house pumps.
3. Detail #10 revised to indicate that all point of use showerhead filters in CLC shower controls replacement, will be furnished by the Government.

### **Drawing: 1-P19 Automatic Temperature Control Systems Schematic, and Sequence of Operations**

Revision: Revised Detail #1 to illustrate (2) ultrasonic water level controllers for the daytank.

### **Drawing: 1-P20 Plumbing Schedules**

Revision: Plumbing fixture schedule revised to reflect dual powered faucet, and clarification on shower controls replacement for CLC.

### **Drawing: 1-P23 Building 1 Mixing Valve Station Enlarged Plans**

Revision: General note added to alert the Contractor to relocate ceiling sprinkler as required to avoid conflict for new piping installation.

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### **Drawing: 1-P24 Building 1 Mixing Valve Station Enlarged Plans**

Revision: General note added to alert the Contractor to relocate ceiling sprinkler as required to avoid conflict for new piping installation.

### **Drawing: 1-P25 Building 1 Mixing Valve Station Enlarged Plans**

Revision: General note added to alert the Contractor to relocate ceiling sprinkler as required to avoid conflict for new piping installation.

### **Drawing: 1-P26 Building 1, North, Ambulatory Care, and CLC Water Service Details**

Revision: Added clarification notes to Details 1, 2, and 7.

### **Drawing: 1-P27 Toilet Room Fixture and Finish Data**

Revision: Added clarification notes to Photos 9, 10, 12 and 13 to clarify that the Government will provide the submicron showerhead filters for the CLC shower controls replacement portion of the project.

### **Drawing: 1-P28 Legionella Filter Data**

Revision: Deleted information on point-of-use faucet filters (deleted from scope), and clarified that submicron showerhead filters for CLC shower controls replacement will be furnished by the Government.

### **Electrical Drawings:**

#### **Drawing: 1-E14 Building 27 CLC First Floor Electrical Plan**

Revision: New plan added to Contract Documents

#### **Drawing: 1-E15 Building 27 CLC Second Floor Electrical Plan**

Revision: New plan added to Contract Documents

#### **Drawing: 1-E16 Building 27 CLC Third Floor Electrical Plan**

Revision: New plan added to Contract Documents

#### **Drawing: 1-E17 Building 27 CLC Fourth Floor Electrical Plan**

Revision: New plan added to Contract Documents

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## SPECIFICATION REVISIONS

**Section 220510- Plumbing General:** Re-issued due to work scope changes (see attached)

**Section 224000- Plumbing Fixtures:** Delete paragraph 2.6 Lavatory and Sink Faucet, and replace with the following:

### 2.6 LAVATORY AND SINK FAUCETS

A. *Brass components in contact with water shall contain no more than 0.25 percent lead content by dry weight.*

*Dual Power Sensor Operated Faucet: Solid cast brass construction, 0.5 gpm, chrome plated, gooseneck spout with outlet 102 mm to 127 mm (4 inches to 5 inches) above rim. Electronic sensor operated, 102 mm 4 inch center set mounting plate, 6 VDC adapter (electrical rough-in for receptacle required) with long-life AA battery back-up, operated electronic module back check valves solid brass hot-cold water mixer adjusted from top deck with barrier free design control handle and inline filter. Breaking the light beam shall activate the water flow. Flow shall stop when user moves away from light beam.*

**Section 221100- Facility Water Distribution:** Delete paragraph 2.2 Aboveground (Interior) Water Piping, and replace with the following:

### 2.2 ABOVE GROUND (INTERIOR) WATER PIPING

A. *Pipe: Copper tube, ASTM B88, Type K or L, drawn.*

B. *Fittings for Copper Tube:*

1. *Wrought copper or bronze castings conforming to ANSI B16.18 and B16.22. Unions shall be bronze, MSS SP72 & SP 110, Solder joints up to 2" and brazed joints 2-1/2" and larger. Use 95/5 tin and antimony for all soldered joints.*

D. *Adapters: Provide adapters for joining screwed pipe to copper tubing.*

E. *Solder: ASTM B32 Composition Sb5 HA or HB. Provide non-corrosive flux.*

F. *Brazing alloy: AWS A5.8, Classification BCuP.*

**Section 220511- Common Work Results for Plumbing:** Delete paragraph "2.16 Point of Use Filters for Legionella Control" in its entirety.

**END OF AMENDMENT NO. 1**