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## MEMORANDUM ADDENDUM #3

TO: All Bidders  
FROM: Tracey Arena  
DATE: May 2, 2022  
RE: Village of Ardsley Contract No. VOA1811 New Public Works Facility

**Addendum #3 consists of 4 pages including this cover sheet**

Attached for your review and information is **ADDENDUM # 3** consisting of Clarifications and Additions to:

- Drawings and Specifications Issued April 7, 2022

### **BID DUE DATE REMINDER**

**Bid Due: Thursday, May 5, 2022, 11am**

**MANDATORY:** Please sign your name and company below acknowledging receipt of Addendum #3, and email this form back to Calgi Construction Company (Email: [tarena@calgiconstruction.com](mailto:tarena@calgiconstruction.com))

Addendum # 3 Acknowledgement: \_\_\_\_\_  
Name Company

*Celebrating a Century of Construction Services*

# **ADDENDUM NO. 3 dated May 2, 2022**

## **Village of Ardsley**

### **Contract No. VOA1811 New Public Works Facility**

This Addendum forms part of the Contract Documents and modifies the original bidding documents issued for bid. Such modifications shall be incorporated into the Contract Documents as if they had been included in the original bidding documents. Except as may be modified herein, all portions of the Contract Documents shall remain in full force and effect. Any term used herein with initial capital letters that is not otherwise defined herein shall have the same meaning ascribed to such term as defined in the Contract Documents.

**BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY INDICATES ON THE BID FORM THE NUMBERS RECEIVED.**

#### **I. CLARIFICATIONS**

#### **II. SPECIFICATION EDITS AND ADDITIONS**

#### **III. DRAWING**

- Reissued M800

#### **IV. CONTRACTORS' QUESTIONS AND ENGINEERS' RESPONSES**

1. **QUESTION:** Addendum #2 answer #17 provided the Electrical Contractors with contact in ConEd for the costs associated with this project on 4/28/22. On 4/29/22, we contacted the ConEd contact who quickly informed us "Cannot give any information to someone who is not listed as a case contact you should obtain all information for bidding purposes from the owner or GC" Please advise.

**RESPONSE:** Con Ed reconnection fee will be incurred by the Owner. Please see Addendum #1 Reissued Section 01 12 50 Summary of Multiple Primes for relocation of utilities from pole to underground.

2. **QUESTION:** Regarding question #10 in Addendum #2. Can it be assumed painting of all plumbing pipes is by GC as well? (spec section 20 05 54)

**RESPONSE:** Yes.

3. **QUESTION:** Drawing E503 has note 1 (bottom of the drawing) mention about div 260501 appendices A & B, there is NO appendices! Please advice

**RESPONSE:** Please see Addendum #1 Reissued Section 26 05 01 Basic Materials and Methods for appendices A & B.

4. **QUESTION:** No specs are shown for the following equipment: C1, C2, C3, C4, C5B, C5D, C6, C7, C8, C12, C13, C14, C15, C16, E2, E3, E4, M24, V3, V4A, V5, V6, V7, V8, V10, V11, V12, V13, V14, V15. Please advise.

**RESPONSE:** All C-series equipment is specified in specification section 11 11 29.  
All E-series equipment is specified in specification section 12 40 00.  
All M- Series equipment is specified in specification section 12 40 00.  
All V – series equipment is specified in specification section 11 11 26.  
As listed in the equipment schedule on EQ101

5. **QUESTION:** On drawing C100 there are overhead electric lines to be relocated. Is this by the GC or the EC please advise.

**RESPONSE:** Please see Addendum #1 Reissued Section 01 12 50 Summary of Multiple Primes for relocation of utilities from pole to underground.

6. **QUESTION:** Electric pull box (9/C505) is shown in drawing C103. Is it by GC or EC? Who excavate, please advise.

**RESPONSE:** Please see Addendum #1 Reissued Section 01 12 50 Summary of Multiple Primes for relocation of utilities from pole to underground.

7. **QUESTION:** There is an alternate shown on site drawing C105, detail 2/C105 for various items at lower left of the drawing. There is no language for the alternate. This also occurs on drawing C103 detail 2/C103. There is no alternate for this work listed.

**RESPONSE:** This alternate shown on site drawings C103 and C105 is Alternate No. 3: DEDUCT Storage Basement [001] and Shop Extension [119].

8. **QUESTION:** Alternate 6 on spec page 0123000-4 states all by electrician. Please advise if the GC does any work on alternate 6, i.e. concrete pad.

**RESPONSE:** Please see Addendum #1 Reissued Section 01 12 50 Summary of Multiple Primes for relocation of utilities from pole to underground.

9. **QUESTION:** Drawing M800 has a detail drawing which shows (2) boilers, B-01 and B-02. Drawing M104 indicates one boiler B-01, and the equipment schedule also has just one boiler. Detail shows 4 in line pumps, schedule does not indicate any pumps.

**RESPONSE:** See attached Reissue M800

10. **QUESTION:** Please provide piping and connection detail route on drawing 1/P101 dated 4/7/22 in regard to addendum #2 clarifications chapter #3.

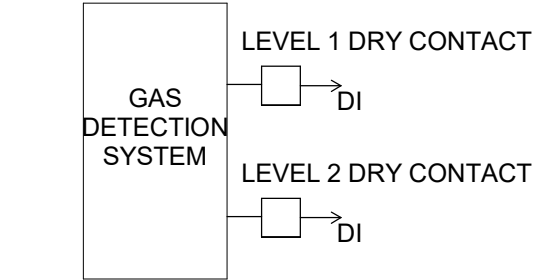
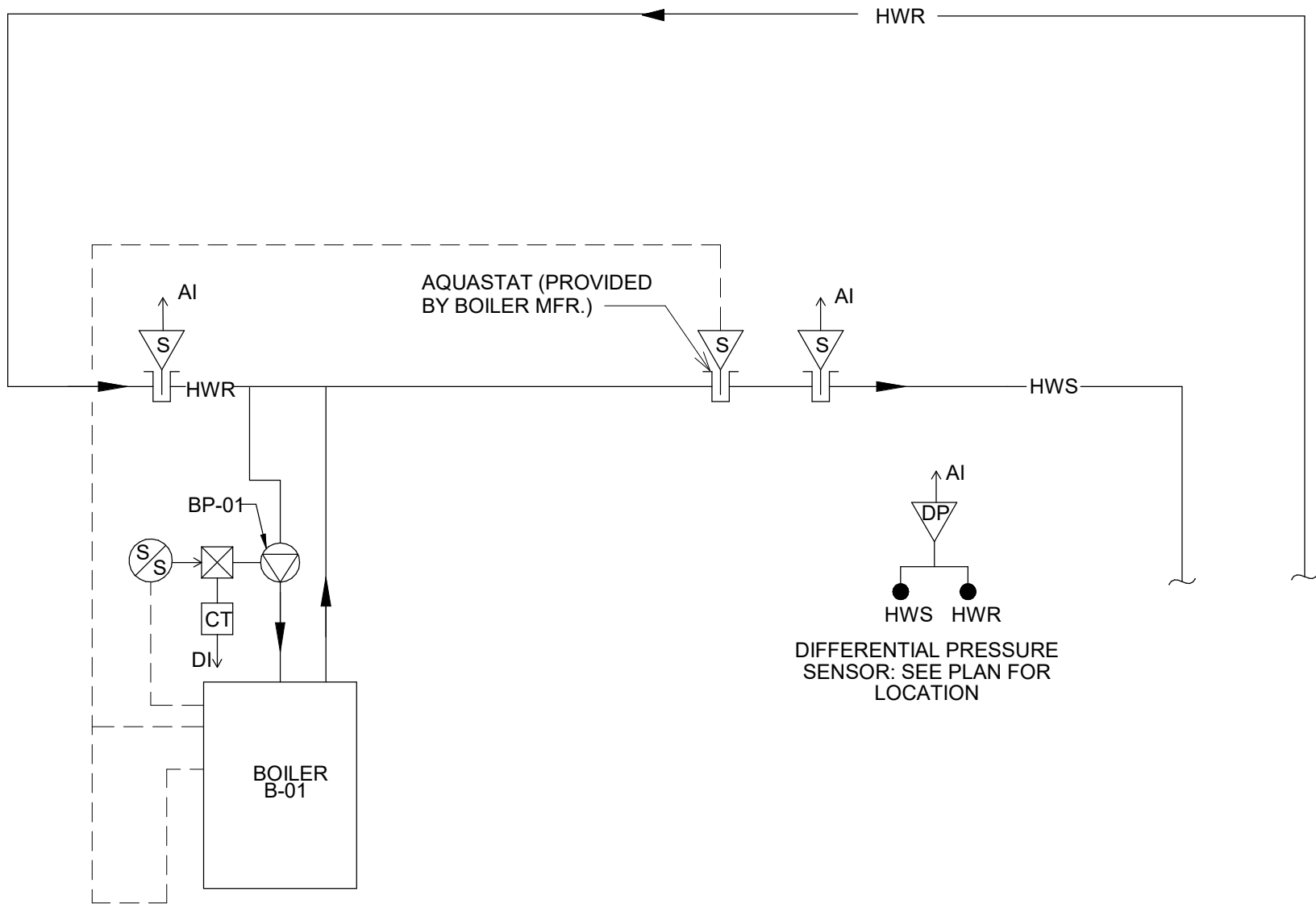
**RESPONSE:** Routing of the sleeves are between the Washbay Equipment Room #125 and the undercarriage wash trench drains. PC to coordinate with Washbay Equipment provider.

11. **QUESTION:** Is the PC responsible for all excavation/backfill/concrete for its underground (BFF) piping (sanitary/oil water waste/trenches)?

**RESPONSE:** Yes

**END OF ADDENDUM No. 3**

- HOT WATER HEATING SYSTEM CONTROLS SEQUENCE:
- A. RUN CONDITIONS: THE HEATING SYSTEM SHALL RUN CONTINUOUSLY. TO PREVENT SHORT CYCLING, EACH BOILER SHALL RUN FOR AND BE OFF FOR MINIMUM ADJUSTABLE TIMES (BOTH USER DEFINABLE), UNLESS SHUT DOWN ON SAFETIES OR OUTSIDE AIR CONDITIONS
- B. EACH BOILER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS. BOILER CIRCULATOR PUMP (BP-01 & BP-02) SHALL BE INTERLOCKED WITH BOILER OPERATION AND SHALL BE OFF ONLY WHEN BOILER IS IN STANDBY MODE
- C. BOILER B-01 SAFETIES: THE FOLLOWING SAFETIES SHALL BE MONITORED
- BOILER ALARM
  - LOW WATER LEVEL
- D. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- BOILER ALARM
  - LOW WATER LEVEL ALARM
- E. THE BOILER SHALL BE INDEXED ON YEAR ROUND AND SHALL BE CONTROLLED BY THEIR ON-BOARD CONTROLS. WHEN A BOILER IS INDEXED TO START, ITS ASSOCIATED BOOSTER PUMP SHALL BE STARTED AND FLOW SHALL BE CHECKED AS SENSE BY ITS ASSOCIATED FLOW SWITCH, ONCE FLOW IS SENSED THE BOILER SHALL BE ALLOWED TO START. THE BOILERS SHALL HAVE THE ABILITY TO COMMUNICATE AT A MINIMUM THE FOLLOWING POINTS:
- BOILER RUN CONDITION (ON/OFF) FOR EACH BOILER
  - BOILER PUMP COMMAND OUTPUT FOR EACH BOILER
  - BOILER SUPPLY HEADER TEMPERATURE
- F. A MANUAL EMERGENCY SHUTDOWN SWITCH AT THE EXIT OF THE MECHANICAL ROOM SHALL SHUT DOWN THE BOILERS COMPLETELY. THE BAS SYSTEM SHALL INCORPORATE A CONTACT FROM THESE SWITCHES TO PROVIDE AN ALARM AT THE FRONT END COMPUTER IN THE EVENT OF A MANUAL SHUT DOWN OCCURRING
- G. THE FOLLOWING SETPOINTS ARE RECOMMENDED VALUES. ALL SETPOINTS SHALL BE FIELD ADJUSTED DURING THE COMMISSIONING PERIOD TO MEET THE REQUIREMENTS OF ACTUAL FIELD CONDITIONS
- H. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- BOILER B-01
    - FAILURE: COMMANDED ON, BUT THE STATUS IS OFF
    - RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON
    - RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT
- I. HOT WATER SUPPLY TEMPERATURE SETPOINT RESET: THE HOT WATER SUPPLY TEMPERATURE SETPOINT SHALL RESET BASED ON OUTSIDE AIR TEMPERATURE
- AS OUTSIDE AIR TEMPERATURE RISES FROM 0°F (ADJ.) TO 70°F (ADJ.) THE HOT WATER SUPPLY TEMPERATURE SETPOINT SHALL RESET DOWNWARDS BY SUBTRACTING FROM 0°F (ADJ.) TO 20°F (ADJ.) FROM THE CURRENT BOILER SETPOINT
- J. PRIMARY HOT WATER TEMPERATURE MONITORING: THE FOLLOWING TEMPERATURES SHALL BE MONITORED
- PRIMARY HOT WATER SUPPLY
  - PRIMARY HOT WATER RETURN
- K. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH PRIMARY HOT WATER SUPPLY TEMP: IF GREATER THAN 140°F (ADJ.)
  - LOW PRIMARY HOT WATER SUPPLY TEMP: IF LESS THAN 80°F (ADJ.)
- L. BOILER B-01 HOT WATER TEMPERATURE MONITORING: THE FOLLOWING TEMPERATURES SHALL BE MONITORED
- BOILER B-01 HOT WATER SUPPLY
  - BOILER B-01 HOT WATER RETURN
- M. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH HOT WATER SUPPLY TEMP: IF GREATER THAN 140°F (ADJ.)
  - LOW HOT WATER SUPPLY TEMP: IF LESS THAN 80°F (ADJ.)
- N. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- DIFFERENTIAL PRESSURE: +/- 5PSI FROM SETPOINT
  - SUPPLY WATER TEMPERATURE: +/- 10°F FROM SETPOINT



SYSTEM SUMMARY						
	INPUT		OUTPUT			
	ANALOG	DIGITAL	ANALOG	DIGITAL	ALARM	TREND
DRY CONTACT 1		X			X	
DRY CONTACT 2		X			X	

CARBON MONOXIDE ALARM SYSTEM CONTROL SEQUENCE:

- A. GENERAL: UNIT SHALL MONITORED THE HONEYWELL E3 POINT GAS DETECTION SYSTEM AND ALARM WHEN UNIT INTERNAL THRESHOLDS ARE REACHED.
- B. ALARM 1: THE CONTROLLER SHALL MONITOR THE DRY CONTACT AND ALARM WHEN LEVEL IS REACHED (25 PPM CO).
- C. ALARM 2: THE CONTROLLER SHALL MONITOR THE DRY CONTACT AND ONCE ALARM REACHED H&V UNIT SHALL BE SET TO FULL OA PER SEQUENCE AND ALARM (200 PPM CO).
- D. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- CO LEVEL 1: IF THE UNITS DRY CONTACT 1 IS CLOSED. CO DETECTED LOW.
  - CO LEVEL 2: IF THE UNITS DRY CONTACT 2 IS CLOSED. CO DETECTED HIGH.

2 CARBON MONOXIDE ALARM CONTROL SEQUENCE

SYSTEM SUMMARY						
	INPUT		OUTPUT			
	ANALOG	DIGITAL	ANALOG	DIGITAL	ALARM	TREND
ZONE TEMPERATURE		X			X	
UNIT ENABLED/DISABLED			X			


DUCTLESS SPLIT SYSYTEM CONTROL SEQUENCE:

- A. GENERAL: UNIT SHALL BE ENABLED/DISABLED AND TEMPERATURE MONITORED BY THE BUILDING MANAGEMENT CONTROL SYSTEM (BCS), AND CONTROLLED BY FACTORY PACKAGED CONTROLS TO MAINTAIN SPACE TEMPERATURE SETPOINT COOLING: 75°F (ADJ.) AND HEATING: 70°F (ADJ.)
- B. ZONE TEMP: THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE
- C. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN 80°F (ADJ.)
  - LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN 65°F (ADJ.)

3 DUCTLESS SPLIT SYSYTEM CONTROL SEQUENCE

Project:

VILLAGE OF ARDSLEY, NY



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 **RHINEBECK**  
ARCHITECTURE

Seal:

Revisions:

Rev	Date	Description
1	05/02/22	ADDENDUM NO. 3

Issued For: BID

 PROJECT  TRUE

SCALE: AS NOTED

Date: APRIL 7, 2022

Drawn By: JDH

Reviewed By: TES

Approved By: BAB

W&S Project No: N2190088

Drawing Title:

CONTROLS

Sheet Number:

M800