



Department of Public Works  
**Engineering Division**  
Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115  
210 Martin Luther King, Jr. Boulevard  
Madison, Wisconsin 53703  
Phone: (608) 266-4751  
Fax: (608) 264-9275  
[engineering@cityofmadison.com](mailto:engineering@cityofmadison.com)  
[www.cityofmadison.com/engineering](http://www.cityofmadison.com/engineering)

**Assistant City Engineer**  
Michael R. Dailey, P.E.

**Principal Engineers**  
Christina M. Bachmann, P.E.  
John S. Fahrney, P.E.  
Gregory T. Fries, P.E.  
Christopher J. Petykowski, P.E.

**Facilities & Sustainability**  
Jeanne E. Hoffman, Manager

**Operations Manager**  
Kathleen M. Cryan

**Mapping Section Manager**  
Eric T. Pederson, P.S.

**Financial Manager**  
Steven B. Danner-Rivers

**Hydrogeologist**  
Brynn Bemis

March 21, 2014

**NOTICE OF ADDENDUM-1**  
**UNIT WELL NO. 7 RECONSTRUCTION AND FILTER ADDITION**  
**CONTRACT NO. 7265**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

**A. SECTION D–SPECIAL PROVISIONS**

**1. PAGE D-4, SECTION 105.15 SUBSTANTIAL COMPLETION**

CHANGE the date “May 1, 2015” to “June 1, 2015.”

**B. SPECIFICATIONS**

**1. DIVISION 1–GENERAL REQUIREMENTS**

**a. Page 01650-2, SECTION 01650–STARTING OF SYSTEMS, PART 1–GENERAL, PARAGRAPH 1.04**

ADD the following paragraph 1.05 following paragraph 1.04

“1.05 Commissioning Period

- A. Prior to final acceptance and following successful start-up, the facility shall undergo a 21-day commissioning period. During the commissioning period, CONTRACTOR and subcontractors shall be available to provide service no later than the following business day when notified by OWNER that an operational problem exists. If service is required during the commissioning period, the period shall be extended 21 days. The commissioning period shall be complete once 21 days of satisfactory operation without need for service have been completed. The start of the commissioning period shall coincide with the first week of the performance testing of the pressure filter system. See Section 11255, PRESSURE FILTER SYSTEM, for details.”

2. DIVISION 4—MASONRY

- a. Page 04420-3, SECTION 04420—MORTAR SET STONE VENEER, PART 2—PRODUCTS, PARAGRAPH 2.01 ACCEPTABLE MANUFACTURERS

ADD the following to the end of paragraph A.

“Krukowski Stone Company, 800-628-0314, Mosinee, WI shall be considered as a substitution. The colors listed below are Michels Stone Corporation colors.”

3. DIVISION 9—FINISHES

- a. Page 09900-6, SECTION 09900—PAINTING, PART 3—EXECUTION, PARAGRAPH 3.05 SCHEDULE

DELETE the phrase “including equipment bases” from sentence B.2.

REPLACE sentence B.3 with the following:

“Interior concrete walls, concrete equipment bases, and concrete columns: Two coats of HB Tneme-Tufcoat 114, Pro Industrial Water Based Epoxy B73-300.”

4. DIVISION 11—EQUIPMENT

- a. Page 11600-1, SECTION 11600—LABORATORY FURNITURE AND EQUIPMENT, PART 1—GENERAL, PARAGRAPH 1.02

DELETE paragraph 1.02 A.

- b. Page 11255-10, SECTION 11255—PRESSURE FILTER SYSTEM, PART 3—EXECUTION, PARAGRAPH 3.07

ADD the following paragraph:

“G. Performance Testing:

1. Performance testing of the filtration system shall be performed following start up and field testing, during the first week of the commissioning period defined in Section 01650-STARTING OF SYSTEMS. Performance testing period shall be a minimum of five days (Monday through Friday) and shall be extended if deemed necessary by the manufacturer to obtain the required information to provide the requested report recommendations. Performance testing shall be conducted at the design rate of the filters unless agreed to in writing by OWNER. Performance testing will be conducted 24 hours per day. CONTRACTOR is not required to be on site at all times during the performance testing period.
2. Equipment manufacturer shall provide all labor and any necessary testing equipment.
3. During the performance testing period the following water quality parameters shall be field tested:
  - a. Raw Iron.
  - b. Raw Manganese.

- c. Pre-filter Chlorine.
- d. Filtered Iron.
- d. Filtered Manganese.
- e. Filtered Chlorine.
- 4. Samples shall be collected more frequently during initial start-up of a filter run and as the filter approaches break through. Time frames between samples collected during the mid-run sampling may be extended, up to 6 to 8 hours, at the option of CONTRACTOR. The proposed sample frequency shall be reviewed and approved by OWNER. Raw water well flow rates, chlorine gas flow rates from the rotameter, and influent, effluent, and differential pressures across the filter shall be recorded with each water quality sample.
- 5. Upon completion of the performance testing, the equipment manufacturer shall provide a report including:
  - a. Data collected during the testing period.
  - b. Recommendations for frequency of filter backwash at the design rate.
  - c. Recommendations for the minimum chlorine feed rate.
  - d. Commentary on the iron and manganese removal efficiency.
  - e. Recommendations on the backwash recycle rate as a percentage of forward flow.
  - f. Recommendation of recycle duration.
  - g. Recommendations for backwash duration and rates.
  - h. Recommendations for other operation set points for filter operation.”

5. DIVISION 15–MECHANICAL

- a. Page 15040-6, SECTION 15040–PIPING AND ACCESSORIES, PART 2–PRODUCTS, PARAGRAPH 2.03 VALVE MATERIALS, E. Air Actuators

ADD “Valmatic” following the word “Pratt” in sentence 4.

- b. Page 15300-9, Section 15300-WATER BASED FIRE PROTECTION, PART 2–PRODUCTS, 2.06 SPECIALTY VALVES, Paragraph A.

ADD the following to item 4:

- “f. Infrared flame detectors located in space. Wire between flame detectors and release control panel.”

ADD item 5 as follows:

- “5. CONTRACTOR shall coordinate conduit and wiring between release control panel and infrared flame detectors located in Generator Room with Fire Alarm System Contractor.”

6. DIVISION 16–ELECTRICAL

- a. Page 16940-17, SECTION 16940–CONTROLS AND INSTRUMENTATION, PART 2–PRODUCTS, PARAGRAPH 2.08 MAGNETIC FLOW METERS

ADD the following unnumbered paragraph prior to sentence A:

“OWNER shall provide magnetic flow meters specified below. CONTRACTOR shall install flow meters and provide excitation and signal cable lengths to OWNER.”

CHANGE the word “Teflon” to “Epoxy” in sentence C.

### C. DRAWINGS

#### 1. SHEET NO. 7–SITE DEMOLITION PLAN

ADD the following note to the end of the GENERAL NOTES.

“9. Salvage the existing address stone over west side entrance door for re-installation in new building exterior. Salvage existing vertical stones on each side of the address stone for re-installation. Salvage bronze plaque from building interior for re-installation. See sheet 16.”

#### 2. SHEET NO. 9–SITE GRADING AND UTILITIES PLAN

CHANGE keynote associated with MH-2 from “10” to “9.”

CHANGE keynote associated with MH-6 from “10” to “9.”

DELETE Keynote 10.

ADD Keynote 11 as follows:

“Open topped manhole. Provide Aluminum grating with support angle 3 inches below top of manhole.”

CHANGE manhole note IN-1 to the following:

“Rim Elevation 888.3  
IE. E. 886.5 16”DI”

CHANGE manhole note and associated drawing callouts from “MH-2” to “IN-2.”

CHANGE manhole note and associated drawing callouts from “MH-6” to “IN-6.”

#### 3. SHEET NO. 19–BUILDING ELEVATIONS-1

ADD the following keynote.

“23. Install existing address stone and two salvaged side stones on west elevation in the stone veneer. Final location for installation is to be determined.”

#### 4. SHEET NO. 43–ELECTRICAL-DETAILS

ADD keynote 31 callout to the Double Interlock Preaction Panel.

ADD keynote 31 as follows:

“Provide conduit from double interlock preaction panel and flame detector sensor(s) located in generator room. Coordinate required conduit sizing and quantities with fire protection contractor.”

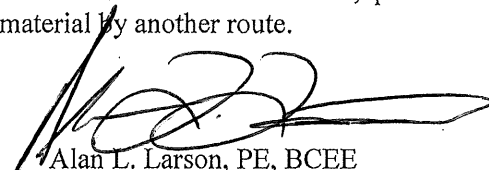
March 21, 2014  
Page 5

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 to receive the material by another route.



Alan L. Larson, PE, BCEE  
Principal Engineer

