

**AMENDMENT NO. 1 TO CONTRACT NO. 2693**

**between**

**BOARD OF WATER COMMISSIONERS OF THE CITY OF SAINT PAUL**

**and**

**HR GREEN, INC.**

This **AMENDMENT NO. 1 TO CONTRACT NO. 2693** is entered into this 13<sup>th</sup> day of October 2020, by and between the **BOARD OF WATER COMMISSIONERS OF THE CITY OF SAINT PAUL**, a municipal corporation of the State of Minnesota (the “Board”), and **HR GREEN, INC.**, a corporation under the laws of the State of Minnesota (“HR Green”).

**WITNESSETH:**

**WHEREAS**, the Board and HR Green entered into Contract No. 2693 dated April 27, 2020 (“Contract”) to provide an evaluation of the Board’s West Side Pumping Station transient pressure, valve actuator, pump capacity, and pump efficiency; and

**WHEREAS**, Sections 5 and 19 of the Contract provides for amendments to the Contract by a written instrument executed by the parties, and this Amendment No. 1 to Contract No. 2693 (“Amendment”) is intended by the parties to be such an instrument.

**NOW THEREFORE**, in consideration of the mutual covenants contained herein, the parties mutually agree to amend the Contract according to the following:

1. Exhibit A – SOW is hereby replaced in its entirety with the following:

**PHASE 1 Project Management**

- HR Green will provide ongoing administration, coordination, and subcontractor management for the project.

**PHASE 2 Transient Pressure & Valve Actuator Evaluation**

- SPRWS will gather pressure data using gauges they have purchased and installed. SPRWS will provide pressure data to HR Green. HR Green will assist with data processing and develop a memo summarizing the results of pressure measurements and recommendations for potential improvements.
- As part of this memo, HR Green will evaluate 3 alternatives for replacement actuators and controls on the existing Pratt ball valves including Rotork Electro-hydraulic.

- SPRWS will provide existing controls info, control schematic, and wiring diagrams for both pumps and existing actuator. HR Green will use that information to determine feasibility of the 3 actuator alternatives.
- HR Green will develop a memo with recommendations for actuator replacement.

### **PHASE 3 Pump Capacity and Efficiency**

(This work deleted from original contract)

### **PHASE 4 New Pump/Electrical Design**

- HR Green will assemble planning level costs to change the existing 2400V electrical gear to 480V and install new pumps.
- Work with SPRWS to determine the required flow and head for new pumps at the West Side Station based on data provided by SPRWS (both historical and projected flows and existing system curve).
- Attend site visit to document existing pipe configuration.
- Design four new 480V split case pumps to be located on the existing pump bases and connected to the existing piping system. Design will include construction drawings, specifications, and OPC submittals coinciding with the electrical gear design.
- Design new actuators, controls, or valves on the discharge of each pump based on the recommendation of the transient evaluation (Phase 2).
- Design new power conduit and cables for each pump.

Meetings between SPRWS and HR Green (to be scheduled by SPRWS)

- Meeting to discuss memos from Phase 2
- Phase 4 Meetings
  - Meeting to discuss proposed electrical modifications
  - Meeting to discuss pump sizing
  - Meeting to discuss draft layout of pipe configuration

### **Assumptions**

- No major piping modifications are required to provide acceptable flow conditions in/out of the new pumps.
- No transient pressure remediation design (except as specifically noted) is part of this additional scope.
- No structural or mechanical design is included in this scope except minor modification of the existing pump bases and a pad for new meter enclosure.
- No arc flash study or labels will be included in the overall project.
- No permitting is included in this scope.
- No meetings with federal, state, or local agencies.

The PROFESSIONAL SERVICES PROVIDER's fee is not to exceed \$50,700 and will be billed monthly on an hourly basis.

2. The expiration date is hereby amended to October 30, 2021.
3. All other provisions of the original Contract remain in full force and effect.

*[the remainder of this page left intentionally blank]*

**IN WITNESS WHEREOF**, the parties hereto have caused this Amendment No. 1 to  
Contract 2693 to be executed on the dates listed below.

Approved as to form:

**BOARD OF WATER COMMISSIONERS  
OF THE CITY OF SAINT PAUL**

By: \_\_\_\_\_  
Stephen P. Schneider, General Manager  
Saint Paul Regional Water Services

By: \_\_\_\_\_  
Mara Humphrey, President

Date: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Lisa Veith  
Assistant City Attorney

By: \_\_\_\_\_  
Mollie Gagnelius  
Secretary

Date: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_  
John McCarthy  
Director, Office of Financial Services

Date: \_\_\_\_\_

Approved as to form:

**CITY OF MENDOTA**

By: \_\_\_\_\_  
Thomas Lehmann, City Attorney

By: \_\_\_\_\_  
Brian Mielke  
Mayor, City of Mendota

Date: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Kathy Krotter  
City Clerk, City of Mendota

Date: \_\_\_\_\_