



## AMENDMENT NO. 1 TO PROFESSIONAL SERVICES AGREEMENT

WHEREAS, **City of Marshalltown** (Client) and WHKS & Co. (WHKS) executed a Professional Services Agreement dated **September 28, 2021** for certain engineering services for **2021 Demolition Package** (Project), and

WHEREAS, the Agreement described a scope of services and was based on completion of certain services, and

WHEREAS, the Client has requested **Design Engineering and Construction Phase** services for the **2021 Demolition Package** as described in more detail in attached Exhibit A, and

NOW THEREFORE, the Client and WHKS hereby agree the amended compensation for services shall be increased by the following:

### Basis of Compensation

For the services described above, the Client shall remunerate WHKS as follows:

**Billed Hourly with a Not-to-Exceed Fee of \$34,000.00 including Expenses. External expenses include an administrative charge of 10 percent.**

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2022

### City of Marshalltown

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

### WHKS & CO.

By:  \_\_\_\_\_

Printed Name: Derek J. Thomas, P.E.

Title: Vice President



## Exhibit A to Amendment No. 1

### A. Project Description

This project involves development of demolition bid packages for three City-owned properties that had been damaged by the 2018 tornado and 2020 derecho. The properties are:

330 South 3<sup>rd</sup> Avenue and adjacent 328 lot  
101 West Main St.  
24 North 1<sup>st</sup> Avenue

The original scope for the project included development of performance-based specification packages for demolition and part-time observation for the three properties listed above. The original scope included a preliminary site investigation of the properties at 101 W. Main St. and 24 North 1<sup>st</sup> Ave. which share walls with adjacent buildings that are to remain intact, and a preliminary evaluation of demolition monitoring methods for the shared wall at 101 W. Main St.

The limited investigation at 101 W. Main St. was performed in December 2021 and January 2022 and included review of available plan records, visual observation, GPR scanning, and core drilling of the shared party wall between 101 and 105 W. Main St. Based on the investigation, the demolition plans and specifications need to be expanded to cover additional design work necessary to provide additional protection of the adjacent property at 105 W. Main St.

The proposed additional work includes:

- Analysis of the shared foundation wall to support soil loads resulting from filling in the basement of 101 W. Main St.
- Design of a reinforced concrete retaining wall to protect the foundation of 105 W. Main from new soil retaining loads.
- Additional modifications of the project specifications to include details of risk mitigation and protection items identified during the site investigation and meetings with the adjacent property owner.
- Additional time to respond to the adjacent property owners' comments.
- Additional time for review of contractor's submitted demolition plans and coordination with contractor for necessary revisions.
- Additional hours for observation and engineering support if unexpected voids are uncovered during the demolition.

It is assumed that 24 N 1<sup>st</sup> Avenue will require demolition plans and specifications similar to those described above for 101 W. Main St. This Amendment includes these proposed services for both locations as described below in Section B.

**B. Scope of Services Provided Under This Agreement:**

Note: Items 1-4 were previously defined in the AGREEMENT.

**5. Research of Existing Conditions**

- Perform compression testing of brick and mortar samples from party walls as needed at 101 West Center and 24 North 1<sup>st</sup> Avenue. WHKS will obtain the services of a subconsultant, Braun Intertec, to perform compression testing.
- Perform calculations to evaluate the strength of the adjacent buildings to resist wind loads following the anticipated demolition conditions.
- Perform calculations to evaluate the strength of the adjacent buildings to resist soils and earth retaining loads following the anticipated demolition conditions.

**6. Final Design**

- Prepare performance-based specifications that include risk mitigation and protection items identified during the site investigation. The demolition Contractor will be required to provide a detailed demolition plan and approach as part of their bid.
- Preliminary calculations indicate the need for a new retaining wall on the exterior of shared foundation wall of the 101 West Center site. Design details for the retaining wall to be included in the demolition bid package. Retaining wall design details are based on the assumption of an empty site remaining at 101 West Center Street.
- Respond to adjacent property owner comments and questions prior to bidding and Contractor questions during bidding. Fee based on 8 hours per building (16 hours total).
- Review Contractor's demolition plan prior to start of building demolition. Fee based on 16 hours per property (32 hours total)

**7. Construction Administration**

- Provide engineering assistance for evaluation of unforeseen items as may be discovered during demolition. Fee based on 8 hours per building (16 hours total).

**8. Construction Observation**

- Provide additional construction observation. Fee based additional 40 hours per building (80 hours total).

**C. Special Engineering Services**

- Additional structural design including façade, foundation, etc.