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**WATER POLLUTION CONTROL**

**MEMORANDUM**

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director  
Cinda Hilger, Secretary

From: Jon Koch, WPCP Director

Date: July 26, 2018

Re: HSW Receiving Project Supplemental #4

**INTRODUCTION:** Stanley Consultants is progressing with the HSW (High Strength Waste) Receiving Project and requested Supplemental #4 to the contract for additional geo-technical sampling for the new site location. Terracon will perform the additional bore tests to complete the geo-technical review of the new location at the WRRF. The cost of these borings is \$9,873.00. This will be paid for from the HSW Receiving Station Project in the Replacement Reserve Fund.

**BACKGROUND:** The station location has been moved on site to accommodate a larger than expected flow of trucks to the facility. The new location will be located over old structures (primary clarifiers and grit building) that were demolished and buried in the last upgrade project. Before construction can take place on top of them, it is necessary to ensure geo-technical integrity of the area. We have 3 borings planned (2 shallow) and an option for a 4<sup>th</sup> boring. The number of borings is due to the various existing foundations and need to develop foundation solutions that minimize risk and cost when partially resting new construction on additional foundations. The fee for the geotechnical work with markup is \$9,873 which is an additional service from Stanley Consultants Supplemental Agreement #3 approved April 2<sup>nd</sup>, 2018.

**RECOMMENDATION/RATIONALE:** Staff recommends approving the Supplemental #4 for geo-technical investigations with the HSW Project from Terracon for \$9,873.00.

**BACKGROUND:**

1. Supplemental Agreement No. 4



## SUPPLEMENTAL AGREEMENT NO. 4

This Supplemental Agreement, made and entered into by and between STANLEY CONSULTANTS, INC. (Consultant) and CITY OF MUSCATINE, IOWA (Client) amends their agreement of April 18, 2014 for Consultant to provide services to the Client for the Muscatine WWTP HSW Project, as follows:

### Background

Original proposed location of the new facilities was in the southwestern quadrant of the plant site. As design concepts evolved including potential for higher volumes of waste than original conceived, the new facilities are proposed to be relocated to the south central portion of the plant site south of the administration/control building. Supplemental geotechnical investigation is required due to abandoned foundations and need to determine soil characteristics in vicinity of the proposed facilities for proper foundation design.

1. Scope geotechnical investigation and coordinate with geotechnical investigation subconsultant.
2. Contract with geotechnical subconsultant to have the work performed.
3. Review and comment on draft geotechnical investigation report.
4. Receive and distribute 1 hard copy and 1 electronic copy to Client.

### Time of Beginning and Completion

Anticipated schedule is July – August 2018

### Fees and Payments

Client shall compensate Consultant a Lump Sum amount of Nine Thousand Eight-Hundred Seventy-Three Dollars (\$9,873.00) for the Services described in this Supplemental Agreement.

Except as specifically amended by this Supplemental Agreement, all the terms and conditions of the original Agreement dated April 18, 2014 shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Supplemental Agreement to be executed on the date below indicated.

**STANLEY CONSULTANTS, INC.**

**CITY OF MUSCATINE, IOWA**

By: \_\_\_\_\_  
Tony Mardam, P.E., Vice President

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

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

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

Attest: \_\_\_\_\_

Attest: \_\_\_\_\_

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

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