



# City of Muscatine

ITEM NUMBER 2026-0071

## AGENDA ITEM SUMMARY

DATE: 2/17/2026

### STAFF

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Kevin Coon, City Engineer  
Brian Stineman, Public Works Director

### SUBJECT

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Request to Approve an Amendment to a Professional Services Agreement With Stanley Consultants, Inc. in the Amount Not to Exceed of \$92,466.00 for the West Hill Sewer Separation Project - Papoose Creek Pump Station.

### EXECUTIVE SUMMARY

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For Council consideration is a request to approve an amendment to a professional services agreement with Stanley Consultants, Inc. in an amount not to exceed of \$92,466.00 for the West Hill Sewer Separation Project - Papoose Creek Pump Station. This is the 3rd supplemental agreement for the West Hill Sewer Separation Project, which was originally approved in 2010.

### STAFF RECOMMENDATION

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Staff recommends approval of the request.

### BACKGROUND/DISCUSSION

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At the January 13, 2026 City Council In-Depth Meeting city staff and Stanley Consultants presented a high level overview of what a project for a new Papoose sewer lift station would look like. It was the consensus of council that staff would bring forward the next steps for the project. This supplemental agreement is the first step in that process. The work outlined for this step is to do flow monitoring on key sanitary manholes throughout the service area in order to have real world data to base a finalized design on. The flow monitoring will occur for a span between 4 and 6 months in order to properly capture flow in the sanitary system during storm events.

This agreement is NOT for the overall design of the project. A later agreement will be brought forward for the overall design. The data recorded by the activities of this supplement will help shape the final design agreement and will create a higher degree of confidence in what the next steps in the project will be.

**CITY FINANCIAL IMPACT**

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Funds are available for this project through the Local Option Sales Tax.

**ATTACHMENTS**

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1. 2026-0071 Professional Services Agreement Stanley - west hill



## SUPPLEMENTAL AGREEMENT NO. 3

This Supplemental Agreement, made and entered into by and between STANLEY CONSULTANTS, INC. (Consultant) and CITY OF MUSCATINE, IOWA (Client) amends their agreement of September 16, 2010, for Consultant to provide services to the Client for the Muscatine West Hill Sewer Separation Project – Papoose Creek Pump Station, as follows:

### Background

The City of Muscatine will be designing a new sanitary pump station to replace the Papoose Creek Pump Station. Flows to the Papoose Creek Pump Station have been decreasing as the West Hill Sewer Separation has progressed. The current pumps are not the appropriate size for the different flow. A flow metering program will be implemented to record dry weather flows, diurnal flow patterns, and inflow and infiltration (I/I) during wet weather events to size the new sanitary pumps. Four flow meters will be installed to record flows contributing to the East Side Sanitary Interceptor and the West Side Sanitary Interceptor. State and federal funding is desired to help finance the replacement of the sanitary pump station. Funding opportunities under the Clean Water State Revolving Fund (CWSRF), Community Development Block Grant (CDBG) and the Economic Development Administration (EDA) will be reviewed and applicable grant applications submitted.

### Basic Services

1. Project Kickoff / Data Collection
  - a. Meet with Client to kick off the project and discuss the study plan.
  - a. Discuss flow monitoring locations and procedures. The flow meters will be installed at the intersections of E. 4<sup>th</sup> Street and Cedar Street, E. 3<sup>rd</sup> Street and Sycamore Street, E. 2<sup>nd</sup> Street and Sycamore Street, and E. Mississippi Drive and Chestnut Street.
  - b. Visit each proposed flow monitoring location with Client staff.
  - c. Discuss funding sources to investigate.
2. Flow Monitoring Data Analysis
  - a. Review remotely acquired flow metering data once per week to detect problems and coordinate corrections.
  - b. Analyze the flow data to identify dry and wet weather flows for each selected drainage basin (monitor site). Analysis includes identifying base dry weather sanitary flow, infiltration from groundwater, inflow based on rainfall affected flow, minimum and maximum diurnal variations, and peak wet weather flow.
  - c. Raw flow and rainfall data will be provided to Client electronically in Excel or Access file formats. Consultant grants Client unrestricted license to use the data.
3. Flow Monitoring Report Preparation
  - a. Prepare a summary report that includes evaluation of data collected during the monitoring period and flow analysis results at each meter location.
  - b. Consultant grants Client unrestricted license to use the data.
4. Project Funding Assistance
  - a. Review project eligibility within the CWSRF, CDBG and EDA grants available for 2026.
  - b. Submit grant applications that qualify the sanitary pump station project for funding.

5. Papoose Creek Pump Station Study Additional Services - Services provided during the study including preparing a second permanent stormwater pump station alternative for downtown only street flooding, cost estimating of interceptor re-routing and lining alternatives, prepare size recommendations for new Papoose Creek force main to WRRF, prepare and present council presentation.
6. Flow Metering Program
  - a. Conduct flow monitoring program including selection of type of flow meters, flow meter locations, and arrange for flow meters.
  - b. Rent four (4) flow meters to measure dry weather flows and excess I&I. The flow meters will remain in place for a minimum of 4 months and up to a maximum of 6 months to capture flows during dry weather, spring wet ground conditions, and storm events. Client will be advised towards the end of the initial 4 months as to whether additional months of monitoring should be performed based on adequate numbers and magnitudes of rain events during the initial 4 months.
  - c. The rented flow meters will be equipped with remote data acquisition communications to internet web site hosted by the flow meter company. The manufacturer's representative of the flow metering company will be responsible for installation, technical support, and removal of the flow meters.
  - d. Install one rain gauge to measure precipitation so that flow can be correlated to rain events. Remove rain gauge at end of the program.

#### Assumptions and Exclusions

1. Client will provide traffic control for installation and removal of the flow meters.
2. Client will restore pavement modified to facilitate installation of the flowmeter communication device. This normally is a relatively small 4- to 6-inch diameter local removal of pavement to temporarily set in communication device.
3. Client will assist Consultant and it's subconsultants with accessing the manholes where the flow meters will be installed.
4. Flow metering will run for a minimum of 4 months up to six months.

#### Time of Beginning and Completion

February – September 2026

#### **Compensation**

Compensation for services under this Supplemental Agreement shall be as follows:

1. Basic Services Items 1 – 4: Lump Sum amount not to exceed \$25,000.
2. Basic Service Item 5: Hourly fee not to exceed \$10,000.
3. Flow meter rental: 4 meters & accessories including tipping rain gauge for 6 months: \$39,216. A minimum of four months of flow metering is needed to capture a range of flows over dry and wet conditions. If four months provide sufficient representative information, then the meters will be removed and up to two months of flow meter rental at \$1,559 per meter per month will be saved.
4. Flow meter installation and removal: \$18,250

Total not to exceed compensation amount for Supplemental Agreement 3 is \$92,466.

Current contract as amended by Supplemental Agreements 1 and 2 is \$5,495,710.


Revised total contract amount with Supplemental Agreement 3: \$5,588,176.


Except as specifically amended by this Supplemental Agreement, all the terms and conditions of the original Agreement dated September 16, 2010 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:   
Kate Despinoy, VP, Water Market  
Leader

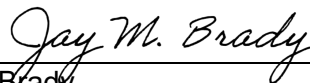
By:   
[Brad Bark \(Feb 23, 2026 14:40:10 CST\)](#)  
Brad Bark, Mayor

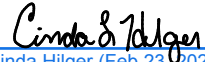
Date: 2/13/2025

Date: Feb 23, 2026

Attest:

Attest:

By:   
Jay Brady

By:   
[Cinda Hilger \(Feb 23, 2026 15:10:41 CST\)](#)  
Cinda Hilger, City Clerk