



Finance Department

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Purchasing Services

**AMENDMENT #2
to the Contract For Purchase of Services (Contract #7833)
between the City of Madison and MSA Professional Services, Inc.**

AMENDMENT:

The City of Madison and Contractor listed above agree to amend the Contract for Purchase of Services executed by the City on 10/12/17 ("Original Contract"), as follows:

1. Adding an additional \$73,900.00 to the Not to Exceed amount in Section 23, bringing the total of Section 23 to \$188,850.00.
2. Revising the scope of services per the attached Exhibit A.
3. All other provisions of the Original Contract shall remain unchanged and in full force and effect.

The person signing on behalf of the Contractor represents and warrants that he or she has been duly authorized to bind the Contractor and sign this amendment on the Contractor's behalf.

IN WITNESS WHEREOF, the parties hereto have set their hands at Madison, Wisconsin.

CONTRACTOR

MSA Professional Services, Inc.

(Type or Print Name of Contracting Entity)

By: _____
(Signature)

(Print Name and Title of Person Signing)

Date: _____

**CITY OF MADISON, WISCONSIN
a municipal corporation**

By: _____
Satya Rhodes-Conway, Mayor

Date: _____

Approved:

David P. Schmiedicke, Finance Director

By: _____
Maribeth Witzel-Behl, City Clerk

Date: _____

Date: _____

Approved as to Form:

Eric T. Veum, Risk Manager

Michael P. May, City Attorney

Date: _____

Date: _____

NOTE: Certain service contracts may be executed by the designee of the Finance Director on behalf of the City of Madison:

By: _____
Mary Richards
Procurement Supervisor

Date

MGO 4.26(3) and (5) authorize the Finance Director or designee to sign purchase of service contracts when all of the following apply:

- (a) The funds are included in the approved City budget.
- (b) An RFP or competitive process was used, or the Contract is exempt from competitive bidding under 4.26(4)(a).
- (c) The City Attorney has approved the form of the Contract.
- (d) The Contract complies with other laws, resolutions and ordinances.
- (e) The Contract is for a period of 1 year or less, OR not more than 3 years AND the average cost is not more than \$50,000 per year, AND was subject to competitive bidding. (If over \$25,000 and exempt from bidding under 4.26(4)(a), regardless of duration of the Contract, the Common Council must authorize the Contract by resolution and the Mayor and City Clerk must sign, per 4.26(5)(b).)

Emergency Service contracts may also be signed by the designee of the Finance Director if the requirements of MGO 4.26(3)(c) are met.

EXHIBIT A

Scope of Work

This scope of work describes additional study and design activities requested by the City of Madison as regards the 'Hawks Landing Hydrology Study' Project. Since the date of execution of the most recent contract amendment, dated November 20, 2018, City of Madison engineering staff have required work from MSA which was outside the contracted scope of work. These requirements have both resulted in project costs which have resulted in increased engineering costs, while simultaneously leaving certain tasks itemized in the previous scope of work incomplete, resulting in reduced engineering costs. The scope of work described below supersedes and completely replaces all previous scopes of work for this study and design project.

Task 1 – Topographic and Boundary Surveys

MSA will complete topographic and property boundary surveys sufficient to support final design activities (Tasks 2 and 3 of this scope of work) and relocation order plats for easement of fee purposes as further described in this Task.

Refer to attached map.

Parcels A and B. MSA will provide a topographic and boundary survey of Parcel A and B on the associated map. The property will include Lots 1 through 4 of CSM 7515 and the objective will be to obtain a mapped elevation of 1042.00 along with providing 1-foot elevations throughout the parcel for design purposes. The remainder of the topography will include the East 10 acres of the Southeast $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of Section 32 and the West 10 acres of the Southwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 33 (excepting a lot width along Shady Point Drive) all in Township 7 North, Range 8 E. Permanent features, structures, and utilities within the corridor will be located. Details around the City of Madison lift station will be included for drainage purposes.

Parcel C. MSA will provide a boundary survey of **Parcel C** on the associated map to verify the north boundary and existing easement limits for construction of a replacement 4-ftx8-ft RCP box storm sewer. The property address is 9814 Shadow Wood Drive and is Lot 169 of Hawks Landing Golf Club. Property will be included within the plat and relocation order if additional easements or fee title are needed.

Parcel D. Survey and relocation order not included. MSA understand that the City has obtained existing topographic, parcel boundary/ownership, and utility data for this parcel and will provide it to MSA for use in final design activities per tasks. The City will also provide to MSA any required easement for construction activities designed under subsequent tasks the CSM process.

Parcel E. MSA will provide a topographic and boundary survey of Hill Creek Park (Lot 286 of Hawks Landing Golf Club and **Parcel E** on the associated map) along the proposed alignment of the storm sewer. The topographic survey will include an approximate width of 150 feet throughout the park in order to allow some flexibility of design during the final plans. Permanent features, structures, and utilities within the corridor will be located. A relocation order map is anticipated and will be completed for the property upon completion of the design.

Parcel(s) F (west). MSA will provide a topographic and boundary survey of Lots 287 through 290 of Hawks Landing Golf Club (shown as the westerly **Parcels F** on the associated map). The topographic survey will include detailed information along the proposed route for construction including permanent features, structures, and utilities. The topography will be wide enough to detail needs for construction. A relocation order map is anticipated and will be completed for the four (4) properties.

Parcel(s) F (east). MSA will provide a topographic and boundary survey of Lots 305 through 308 of Hawks Landing Golf Club (shown as the easterly **Parcels F** on the associated map). The topographic survey will include detailed information along the proposed route for construction including permanent features, structures, and utilities. The topography will be wide enough to detail needs for construction. A relocation order map is anticipated and will be completed for the four (4) properties. *It is noted that the alignment of the future storm sewer outlet from the proposed north pond is not yet established and so relocation orders for these properties may not be required.*

Parcel G. MSA will provide a topographic and boundary survey of 3394 Sugar Maple Lane (**Parcel G** on the associated map). The topographic survey will include an approximate width of 200 feet along the South line of the property adjacent to Lots 290 through 306 of Hawks Landing Golf Club to the north. Permanent features, structures, and utilities within the corridor will be located. A relocation order map is anticipated and will be completed for the property upon completion of the design.

Parcel(s) H. Survey not included. MSA has conducted a modeling evaluation of flows from Redan Drive, which has indicated an approximate 5-cfs surface discharge (overflow) towards Red Tail Drive under 100-yr (6.66") conditions. The City has indicated that improvements to storm drainage infrastructure necessary to address this overflow are not to be included in design activities within this scope of work.

For All Parcels, MSA will provide:

- One-time staking for all appraisals associated with the relocation orders. MSA shall provide final monumentation for all fee areas included within the relocation orders.
- MSA will call in a Diggers Locate for all properties which require a topographic survey.

The City of Madison will:

- Provide all title policies on properties necessary for any easements or acquisitions.
- Complete all acquisition negotiations.

Task 2 – Pond C Outlet Final Plan Preparation.

MSA will prepare final plans replacement of the existing Pond C outlet consisting of the following

- Removal of the existing weir box
- Replacement of the 43"x68" HERCP outlet pipe from Pond C to the intersection of Hidden Hill Drive and Shady Point Drive with a 4-ft x 8-ft RCP box.
- Continuation of the 4-ft x 8-ft RCP box to the farm field at the southwest quadrant of Hidden Hill Drive and Shady Point Drive where it will outfall to a new drainage ditch.
- A drainage ditch running along the north side of the farm field north of Midtown Road and west of Hidden Hill Drive conveying discharges from the 4-ft x 8-ft RCP box to the outlet of the existing 43" x 68" HERCP storm pipe.

- 1. Prepare Construction Plans.** It is anticipated that approximately 16 plan sheets will be prepared including:
 - a. Title Sheet (1)
 - b. Erosion Control Details (2)
 - c. Street Details (2)
 - d. Storm Details (2)
 - e. General Details (1)
 - f. Overview (1)
 - g. Erosion Control / Demo Plan (1)
 - h. Restoration Plan (1)
 - i. Intersection Plan/Detail (1)
 - j. Plan and Profile Sheets (3)
 - k. Cross Sections (1)
- 2. Prepare Construction Specifications.** It is assumed that only limited 'special procedures' specifications will be required to be prepared by MSA for this project and that other specification sections will be obtained from the City of Madison's standard specifications.
- 3. Prepare Quantities List and Engineer's Construction Cost Estimate.** MSA will prepare a list of quantities and an Engineer's Construction Cost Estimate. The list of quantities will be formatted for use by the City as part of bidding documents.
- 4. Meeting.** MSA's project manager and project engineer will meet with City staff one (1) time during the course of the design to discuss project specifics and plan preparation to receive and/or address comments on the design and plan/specifications as appropriate.

The City of Madison will provide all of the following:

- *Permitting (WDNR NOI, City Erosion Control, City Excavate in Rights-of-Way)*
- *Bid Advertisements,*
- *Bid Package 'Front-End Documents',*
- *Bidding Services,*
- *Construction Staking, and*
- *Construction Related Services.*

Task 4 – North Stormwater Management System Design. MSA will design and prepare construction plans and specifications for a new stormwater detention pond in the farm field north of Hill Creek Drive and for storm sewer systems collecting and bringing water to the pond and discharging from the pond.

Specifically this will include:

- Complete Replacement of the storm sewer system serving the intersection of Red Tail Drive and Hill Creek Drive. Replacement storm sewer will flow north along Red Tail Drive for approximately 200 feet before turning west to flow along lot lines toward the farm field north of Hill Creek Drive. The replacement storm sewer will connect to existing storm sewer running from the north from Red Tail Drive and from the east from Redan Drive.
- Construction of a new stormwater detention pond in the farm field north of Hill Creek Drive. At this time it is anticipated that this pond will be a narrow dry pond oriented east-west along the south boundary of the farm field. The pond will be offset from the rear yards of the existing residential lots by a short berm. The pond will be divided into two cells to accommodate the future extension of Grassy Hollow Drive.
- Construction of a new storm sewer outlet pipe from the farm-field pond to the existing pond in the farm field southwest of the existing terminus of Treetops Drive.
 - At this time, the precise alignment of this outlet pipe is unknown and will be dependent on input from City Engineering Staff as well as the findings of a geotechnical investigation into the presence of bedrock.
 - It is further assumed that there will be no stormwater contributions to this pipe other than those from the new farm field pond.

1. **Final Hydraulic Design.** MSA will complete computer modeling and hydrologic and hydraulic calculations to size the storm sewer collection system, pond storage volume, and outlet control structure to achieve control of the 100-yr 24-yr rainfall event (6.66" event). MSA will complete storm sewer inlet and pipe design calculations for a new storm sewer system from Red Tail/Hill Creek to the proposed stormwater detention pond.

MSA will also complete a final hydraulic design for the pond inclusive of sizing for storage volume (including freeboard per the direction of the City), the storm sewer outlet pipe, and the storm sewer/culvert crossing at Grassy Hollow.

2. **Preparation of Plans, Specifications, and Construction Cost Estimate.** It is anticipated that design plans will be approximately 40 pages and will include the following sheets;
 - a. Title Sheet (1)
 - b. Erosion Control Details (2)
 - c. Street Details (2)
 - d. Storm Details (2)
 - e. General Details (2)
 - f. Overview (1)
 - g. Erosion Control / Demo Plan (6)
 - h. Restoration Plan (6)
 - i. Site Grading Plans (4)
 - j. P&P Sheets (12)
 - k. Cross Sections (2)

MSA will write technical specifications for constructing the storm water basin and associated piping, outlet structures, etc. incorporating City-standard requirements, where applicable. MSA will prepare a construction quantity estimate and construction cost estimate.

- 3. Prepare Construction Specifications.** It is assumed that only limited 'special procedures' specifications will be required to be prepared by MSA for this project and that other specification sections will be obtained from the City of Madison's standard specifications.
- 4. Prepare Quantities List and Engineer's Construction Cost Estimate.** MSA will prepare a list of quantities and an Engineer's Construction Cost Estimate. The list of quantities will be formatted for use by the City as part of bidding documents.
- 5. Meeting.** MSA's project manager and project engineer will meet with City staff one (1) time during the course of the design to discuss project specifics and plan preparation to receive and/or address comments on the design and plan/specifications as appropriate.

The City of Madison will provide all of the following:

- *Geotechnical Analyses*
 - *Bedrock Assessment along alternative pipe alignments*
 - *Subsurface investigations at the location of the proposed detention pond for purposes of establishing whether a pond liner and/or high groundwater/bedrock conditions will need to be accommodated.*
- *Permitting (WDNR NOI, City Erosion Control, City Excavate in Rights-of-Way)*
- *Bid Advertisements,*
- *Bid Package 'Front-End Documents',*
- *Bidding Services,*
- *Construction Staking, and*
- *Construction Related Services.*