

EXHIBIT "A"

AMENDMENT NO. 1 TO L 30221

Contract Start Date:	7/10/2019	Original Total Amount:	\$148,578.60
Original Completion Date:	4/30/2020	As Previously Amended:	0
Amendment Completion Date:	7/31/2020	Current Amendment:	\$ 14,825.00
Resolution:	20-0XXXR	New Total Contract Amount:	\$163,403.60

This amendment, effective as of the date of attestation by the City Clerk (the "Effective Date"), by and between the City of Duluth, hereinafter referred to as "City", and MSA professional Services, Inc. located at 332 W. Superior Street, Suite 600, Duluth, MN 55802, hereinafter referred to as "Consultant", for the purpose of rendering services to the City.

WHEREAS, on July 10, 2019, City and Consultant entered into an agreement bearing City of Duluth Contract No. L30221 for design and bidding services for improvements to the Middle Booster Station, which Contract has not been previously amended, hereinafter referred to as the "Contract"; and

WHEREAS, both parties desire to amend the Contract.

NOW THEREFORE, in consideration of the mutual covenants and conditions hereinafter set forth, the parties hereto hereby agree as follows:

In this Amendment changes in the language of the Contract which delete language will be shown as stricken and language added to the contract language will be underlined.

Revision 1. The Bidding Phase Completion Time described in Section II.E.(6) of the Contract is hereby amended as follows:

The bidding phase shall be completed by ~~April 30, 2020~~ July 31, 2020.

Revision 2. The Payment Total Not to Exceed described in Section V.C. of the Contract is hereby amended as follows:

All payments under this Contract are not to exceed ~~one hundred forty eight thousand, five hundred seventy eight and 60/100 dollars (\$148,578.60)~~ One Hundred Sixty-Three Thousand Four Hundred Three and 60/100ths Dollars.

In all other respects the contract, together with all of its terms, covenants and conditions, is hereby confirmed in its entirety.

[Remainder of page intentionally left blank. Signature page to follow.]

IN WITNESS WHEREOF, the parties have hereunto set their hands as of the date of attestation shown below:

CITY OF DULUTH

MSA PROFESSIONAL SERVICES, INC.

By:

By:

Mayor

Company Representative

Attest:

Its:

City Clerk

Title of Representative

Date Attested: _____

Date: _____

Countersigned:

City Auditor

Approved as to form:

City Attorney



March 16, 2020

City of Duluth
Attn: Mr. Aaron Soderlund, P.E.
411 West First Street, RM 211
Duluth, MN 55802

RE: Amendment Proposal for Design Services for the Middle Booster Station
City of Duluth Project Number: 1779
MSA Project Number: P00616140.0

Dear Mr. Soderlund:

MSA Professional Services, Inc. (MSA) is pleased to submit this Amendment proposal for additional design services for the proposed improvement to the Middle Booster Station. MSA understands this effort will focus on the hydraulic, surge and transient evaluation of the Middle Booster Station discharge.

SCOPED A/E SERVICES TO BE PROVIDED BY MSA:

- Hydraulic, Surge, and Transient Modeling using Bentley WaterGems and Hammer modeling software. Determine anticipate surge and transients for the following conditions:
 - Interruption of utility supply power during maximum speed operation of proposed pumps;
 - Simplex Pumping with Val-Matic Flex Check Valve;
 - Duplex Pumping with Val-Matic Flex Check Valve;
 - Simplex Pumping with Val-Matic Flex Check Valve with Val-Matic Surge Suppression Air Valve;
 - Duplex Pumping with Val-Matic Flex Check Valve with Val-Matic Surge Suppression Air Valve;
 - Simplex Pumping with Val-Matic Flex Check Valve with Val-Matic Surge Anticipating Control Valve;
 - Duplex Pumping with Val-Matic Flex Check Valve with Val-Matic Surge Anticipating Control Valve;
 - Simplex Pumping with Cal-Val Pump Control Valve;
 - Duplex Pumping with Cal-Val Pump Control Valve;
 - Simplex Pumping with Cal-Val Pump Control Valve with Val-Matic Surge Suppression Air Valve;
 - Duplex Pumping with Cal-Val Pump Control Valve with Val-Matic Surge Suppression Air Valve;
 - Simplex Pumping with Cal-Val Pump Control Valve with Cal-Val Surge Anticipating Control Valve;
 - Duplex Pumping with Cal-Val Pump Control Valve with Cal-Val Surge Anticipating Control Valve;

332 W. Superior Street
Suite 600
Duluth, MN 55802

P (218) 722-3915
TF (800) 777-7380
F (218) 722-4548

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\\msa-ps.com\fs\Project\00\00616\00616140\Contract\Amendment No.1\616140 MBS Amendment No.1 Proposal Ltr 2020-03-14 JEM 2020 3 15.docx

Mr. Aaron Soderlund, P.E.
Amendment Proposal for Design Services for the Middle Booster Station

March 15, 2020

- Develop Technical Memo to summarize modeling results and recommendation;
- Meeting to discuss preliminary modeling results via Skype conference call;
- Present Memos and Model results with recommendation to City Staff via Skype conference call;
- Incorporate recommended surge equipment into the Bid Documents;

A/E DELIVERABLES:

- Electronic copy of the Technical Memo

Attached is a schedule of estimated time and expenses for the proposed services described above. The total estimated fee is \$14,825 time and materials (T&M) for the design services. Our proposal to proceed is based on time and material during the design phase of the project.

We look forward to working with you to complete the design of the Middle Booster Station improvements. If you have any questions about our proposal, please call me at (608) 355-8868 or my cell phone at (608) 963-6527.

Sincerely,
MSA Professional Services, Inc.



Scott R. Chilson, P.E.
Senior Project Engineer

SRC:mk

Enc.

Cost Proposal													
City of Duluth - Middle Booster Station Improvements Design Amendment No.1													
RFP-19-99446 / City Project Number 1779													
Phase		Project Manager/ Process Mechanical/Electrical Chilson	Hydraulic Engineer Harriols	Process Mech. Technician Goetz	Electrical Designer Lutz	Struct./Arch./Plumbing/ HVAC Engineer Wastlund	Arch./Struct. Designer/ Technician Phipps	Admin Seczko	TOTAL HOURS	LABOR COST	DIRECT EXPENSE	TOTAL COST	
	Hourly Rate	\$190.00	\$150.00	\$105.00	\$110.00	\$145.00	\$80.00	\$75.00					
Phase No.	Task / Deliverable	Task No.	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours					
1300	Administration		8	0	0	0	0	0	8	\$ 1,520	\$ -	\$ 1,520.00	
	Contract Administration	1302	2						2	\$ 380	\$ -	\$ 380.00	
	Owner Coordination	1306	4						4	\$ 760	\$ -	\$ 760.00	
	MSA Team Coordination	1308	2						2	\$ 380	\$ -	\$ 380.00	
1400	Surge and Transient Design		11	48	8	8	4	8	8	\$ 12,830	\$ 475.00	\$ 13,305.00	
	Hydraulic, Surge, and Transient Modeling	1401	4	32					36	\$ 5,560	\$ 475.00	\$ 6,035.00	
	Equipment and Supplier Coordination	1402	1	8					9	\$ 1,390	\$ -	\$ 1,390.00	
	Technical Memo	1403	2	8					14	\$ 1,880	\$ -	\$ 1,880.00	
	Bid Document Modifications	1404	4		8	8	4	8	36	\$ 4,000	\$ -	\$ 4,000.00	
	GRAND TOTAL		19	48	8	8	4	8	8	\$ 14,350	\$ 475.00	\$ 14,825.00	

Notes: * Non-Billable Expenses is time and expenses that will not be charged or paid by the City of Duluth. MSA is a local full service consultant committed to provides expert staff with skills specific to the project needs.

The above identifies labor hours and associated design fee for professional services. Hourly personnel rates will remain in effect until project completion or 12/31/20.

Work Plan										
			Prints / Copies	Mileage	Plots	Postage	Survey GPS	Survey Truck	Misc (Postage, survey supplies)	TOTAL EXPENSE
Phase			Unit Cost	\$0.10	\$0.580	\$10.00	\$1.00	\$40.00	\$0.70	\$1.00
Phase No.	Task / Deliverable	Unit	Each	Miles	Each	Dollars	Hours	Miles	Dollars	
		<i>Subtasks/Task notes & details</i>	Task							
1300 Administration			0	0	0	0	0	0	\$ -	\$ -
	Contract Administration	1302								\$ -
	Owner Coordination	1306								\$ -
	MSA Team Coordination	1308								\$ -
1400 Surge and Transient Design			0	0	0	0	0	0	\$ 475.00	\$ 475.00
	Hydraulic, Surge, and Transient Modeling	1401							\$ 475.00	\$ 475.00
	Equipment and Supplier Coordination	1402								\$ -
	Technical Memo	1403								\$ -
	Bid Document Modifications	1404								\$ -
GRAND TOTAL			0	0	0	0	0	0	475	475.00