

**AMENDMENT NO. #1 TO L30164**

Contract Start Date:	2/14/2019	Original Total Amount:	\$130,539.00
Original Completion Date:	7/31/2019	As Previously Amended:	0
Amendment Completion Date:	5/31/2020	Current Amendment:	\$36,448.00
Resolution:		New Total Contract Amount:	\$166,807.00

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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 February 14, 2019, City and Consultant entered into an agreement bearing City of Duluth Contract No. L30164 for professional engineering services for the design of the relocation of Lift Station No. 15, 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 Payments described in the Contract are hereby amended as follows:

Payments hereunder, in the estimated amount of ~~One Hundred Thirty Thousand Three Hundred Fifty Nine and no/100ths (\$130,359.00)~~ One Hundred Sixty-Six Thousand Eight Hundred Seven and no/100ths Dollars (\$166,807.00) shall be made from Funding 530-500-1905-5530; Project # 1803; S.P. 6982-322; and Resolution No. 19-0034R passed on 1/28/2019.

Revision 2. The Basis of Billing described in Section V.A. of the Contract is hereby amended as follows:

City shall pay the Engineer an amount based on hourly rates not to exceed ~~\$130,359.00~~ \$166,807.00 for all services rendered under Section II Phases A through H, including any and all Project-related expenses such as travel, reproduction of reports and drawings, tolls, mileage, etc. For the purposes of this agreement, the principals and employees of the Engineer and their hourly rates are set forth in Exhibit A.

Revision 3. The Total Not to Exceed described in Section V.E. of the Contract is hereby amended as follows:

All payments under this Contract are not to exceed ~~\$130,359.00~~ \$166,807.00 payable under fund 530-500-1905-5530, Project 1803.

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





February 27, 2019

Aaron Soderlund, Project Engineer  
City of Duluth  
411 W. 1<sup>st</sup> Street, Room 211  
Duluth, MN 55802

**Re: Lift Station 15 Relocation Project  
City of Duluth Project Number: 18-19AA  
Amendment No. 1 – Design Phase Environmental Engineering Services**

Dear Mr. Soderlund:

MSA Professional Services, Inc. (MSA) appreciates this opportunity to work with the City of Duluth on the Sanitary Lift Station 15 relocation project. As requested, we have prepared this proposal to provide engineering services required to address the environmental site conditions that exist within the limits of construction of the proposed new Lift Station 15, influent sewer and force main.

MSA's professional staff has extensive experience working in Duluth on environmental projects and working with the MPCA evaluating and managing the clean-up of contaminated sites. MSA plans to team with American Engineering and Testing (AET), who will provide soil borings and sampling services as part of the scope of services. MSA will oversee site work and take samples as required.

## SCOPE OF DESIGN PHASE ENVIRONMENTAL SERVICES

MSA proposes to complete the following scope of services:

- Complete a Phase I Environmental Site Assessment (ESA) to determine whether any recognized environmental conditions exist at the property.
- Submit the Phase I ESA/application documents to enroll the site into the MPCA Voluntary Investigation and Cleanup (VIC) program and/or the Petroleum Brownfields program.
- Perform a Phase II ESA to investigate soils in planned construction areas. As part of this investigation, soil borings will be advanced in the areas where soils are planned to be excavated or disturbed.
  - Soil samples are expected to be collected at a rate of two samples per boring, with three to four samples collected in borings advanced within the proposed area of the wet well feature. Soil samples will be analyzed for volatile organic compounds (VOCs), gasoline range organics (GRO), diesel range organics (DRO), polycyclic aromatic hydrocarbons (PAHs), lead and arsenic. In addition, two soil samples will be analyzed for total characteristic leaching procedure (TCLP) lead for disposal characterization purposes.
  - Temporary monitoring wells will be installed in each of the borings for the purpose of collecting groundwater samples for the same parameters listed above.

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Aaron Soderlund, Project Engineer  
City of Duluth  
February 27, 2019

- Complete soil disposal characterization paperwork for landfill disposal of contaminated soils.
- Obtain approval from City of Duluth for direct discharge of groundwater from dewatering activities to the sanitary sewer system.
- Prepare a Development Response Action Plan (DRAP) to address identified soil contamination.

## COST ESTIMATE

Attached is a budget summary for the design contract, we formally request an amendment to this contract for professional services related to design of the Lift Station 15 relocation, force main, and influent sanitary sewer. This additional budget request is based on a revised estimate of time and materials required to provide environmental engineering services necessary to complete the design of the Lift Station 15 Relocation Project. We respectfully request a formal amendment of \$36,448.00.

We look forward to working with the City of Duluth on this project. Please contact me at (608) 355-8868, or schilson@msa-ps.com, with any questions about this proposal, or if you would like additional information. Thank you again for the opportunity to provide this proposal.

Sincerely,  
MSA Professional Services, Inc.



Scott Chilson, PE  
Project Manager | Senior Project Engineer  
schilson@msa-ps.com | (608) 355-8868

JKA:SRC:amr

enclosure

Lift Station No. 15 Relocation Environmental Design Services - City Project 1803 (RFP Number: 18-19AA)

Phase		Project Manager Chilson	Environ. Project Engineer Anderson	Scientist II Davidson	Scientist I Klingfus	CADD Killian	Admin. Preskar	Time Total	
Phase No.	Task / Deliverable	Task No.	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	
(Notes)	Subtasks/Task notes & details								
1	<b>Task Description: Voluntary Investigation and Cleanup/Petroleum Brownfields Program Enrollment</b>		0	20	20	2	2	10	54
	Phase I ESA			16	16	2	2	4	40
	Program Enrollment			4	4			6	14
	Historical Information Report (for Phase I ESA)								0
									0
2	<b>Task Description: Phase II Environmental Site Assessment</b>		4	16	12	24	6	6	68
	Project Coordination and Management		2	4					6
	Field Activities			2	2	10			14
	Soil Borings (Sub-Firm AET)		2	4	4				10
	Reporting			6	6	14	6	6	38
	Soil Analytical - VOCs/GRO/DRO/PAHs/ RCRA metals								0
	Groundwater Analyticals - VOCs, PAHs, DRO, GRO, Pb								0
	PID Meter								0
	Water Level Indicator								0
									0
3	<b>Task Description: Soil Disposal Characterization</b>		1	2	0	4	0	0	7
	Project Coordination and Management		1	2					3
	Charactrization sampling and coordination					4			4
	Laboratory analytical - TCLP soil samples								
4	<b>Task Description: Groundwater Pumping Characterization and Direct Discharge Approval</b>		2	2	0	0	0	0	4
	Project Coordination and Management		2	2					4
	Charactrization sampling and coordination								
5	<b>Task Description: Development Response Action Plan</b>		4	4	8	24	8	8	56
	Reporting		4	4	8	24	8	8	56
	MPCA Review per Hour								
6	<b>Task Description: Building Demolition Regulated Waste Inspection</b>		0	0	0	0	0	0	0
	Lump Sum Contrator								
	<b>GRAND TOTAL</b>		9	42	40	54	16	24	185

Lift Station No. 15 Relocation Environmental Design Services - City Project 1803 (RFP Number: 18-19AA)

Phase	Project Manager Chilson	Environ. Project Engineer Anderson	Scientist II Davidson	Scientist I Klingfus	CADD Killian	Admin. Preskar	Time Total	Labor Cost	Direct Expenses (Materials Subs/Equipment)	Sub-Consultants	TOTAL COST		
Phase No.	Task / Deliverable	Hourly Rate	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	Estimated Hours	\$	\$	\$	\$
1	Task Description: Voluntary Investigation and Cleanup/Petroleum Brownfields Program Enrollment	\$153.00	0	20	20	2	2	10	54	\$ 6,490.00	\$ 851.54	\$ -	\$ 7,396
	Phase I ESA		0	16	16	2	2	4	40	\$ 4,864	\$ 216.54		\$ 5,121
	Program Enrollment		0	4	4	0	0	6	14	\$ 1,626	\$ 260.00		\$ 1,900
	Historical Information Report (for Phase I ESA)		0	0	0	0	0	0	0	\$ -	\$ 375.00		\$ 375
2	Task Description: Phase II Environmental Site Assessment	\$144.00	4	16	12	24	6	6	68	\$ 7,608.00	\$ 4,558.00	\$ 5,813.25	\$ 18,047
	Project Coordination and Management		2	4	0	0	0	0	6	\$ 882	\$ -		\$ 888
	Field Activities		0	2	2	10	0	0	14	\$ 1,466	\$ -		\$ 1,480
	Soil Borings (Sub-Firm AET)		2	4	4	0	0	0	10	\$ 1,338	\$ -	\$ 5,813	\$ 7,161
	Reporting		0	6	6	14	6	6	38	\$ 3,922	\$ -		\$ 3,960
	Soil Analytical - VOCs/GRO/DRO/PAHs/ RCRA metals		0	0	0	0	0	0	0	\$ -	\$ 3,156.00	*	\$ 3,156
	Groundwater Analyticals - VOCs, PAHs, DRO, GRO, Pb		0	0	0	0	0	0	0	\$ -	\$ 1,272.00		\$ 1,272
	PID Meter		0	0	0	0	0	0	0	\$ -	\$ 100.00		\$ 100
	Water Level Indicator		0	0	0	0	0	0	0	\$ -	\$ 30.00		\$ 30
3	Task Description: Soil Disposal Characterization	\$114.00	1	2	0	4	0	0	7	\$ 821.00	\$ 150.00	\$ -	\$ 978
	Project Coordination and Management		1	2	0	0	0	0	3	\$ 441	\$ -		\$ 444
	Charactrization sampling and coordination		0	0	0	4	0	0	4	\$ 380	\$ -		\$ 384
	Laboratory analytical - TCLP soil samples		0	0	0	0	0	0	0	\$ -	\$ 150.00		\$ 150
4	Task Description: Groundwater Pumping Characterization and Direct Discharge Approval	\$95.00	2	2	0	0	0	0	4	\$ 1,164	\$ -	\$ -	\$ 1,164
	Project Coordination and Management		2	2	0	0	0	0	4	\$ 594	\$ -		\$ 598
	Charactrization sampling and coordination		0	0	0	6	0	0	0	\$ 570	\$ -		\$ 570
5	Task Description: Development Response Action Plan	\$99.00	4	4	8	24	8	8	56	\$ 5,313	\$ 1,250	\$ -	\$ 6,563
	Reporting		1	4	8	24	8	8	56	\$ 5,313	\$ -		\$ 5,369
	MPCA Review per Hour									\$ -	\$ 1,250.00		
6	Task Description: Building Demolition Regulated Waste Inspection	\$153.00	0	0	0	0	0	0	0	\$ -	\$ -	\$ 2,300	\$ 2,300
	Lump Sum Contrator		0	0	0	0	0	0	0	\$ -	\$ -	\$ 2,300	\$ 2,300
	Total Hours		11	44	40	54	16	24					
	GRAND TOTAL		\$1,683.00	\$6,336.00	\$4,560.00	\$5,130.00	\$1,200.00	\$2,376.00	\$ 189	\$ 21,396	\$ 6,810	\$ 8,113	\$ 36,448

Lift Station No. 15 Relocation Environmental Design Services - City Project 1803 (RFP Number: 18-19AA)

		Prints / Copies	Mileage	Plots	Postage	Survey GPS	Survey Truck	Misc (Postage, survey supplies)	TOTAL EXPENSE	
Phase	Unit Cost	\$0.10	\$0.545	\$10.00	\$1.00	\$40.00	\$0.70	\$1.00		
Phase No.	Task / Deliverable	Unit Task	Each	Miles	Each	Dollars	Hours	Miles	Dollars	
		<i>Subtasks/Task notes &amp; details</i>								
<b>1</b>	<b>Task Description: Voluntary Investigation and Cleanup/Petroleum Brownfields Program Enrollment</b>		200	12	40	50	0	0	\$ 375.00	\$ 851.54
	Phase I ESA		100	12	20					\$ 216.54
	Program Enrollment		100		20	50				\$ 260.00
	Historical Information Report (for Phase I ESA)								\$ 375.00	\$ 375.00
<b>2</b>	<b>Task Description: Phase II Environmental Site Assessment</b>		0	0	0	0	0	0	\$ 4,558.00	\$ 4,558.00
	Project Coordination and Management									\$ -
	Field Activities									\$ -
	Soil Borings (Sub-Firm AET)									\$ -
	Reporting									\$ -
	Soil Analytical - VOCs/GRO/DRO/PAHs/ RCRA metals								\$ 3,156.00	\$ 3,156.00
	Groundwater Analyticals - VOCs, PAHs, DRO, GRO, Pb								\$ 1,272.00	\$ 1,272.00
	PID Meter								\$ 100.00	\$ 100.00
	Water Level Indicator								\$ 30.00	\$ 30.00
<b>3</b>	<b>Task Description: Soil Disposal Characterization</b>		0	0	0	0	0	0	\$ 150.00	\$ 150.00
	Project Coordination and Management									\$ -
	Characterization sampling and coordination									\$ -
	Laboratory analytical - TCLP soil samples								\$ 150.00	\$ 150.00
<b>4</b>	<b>Task Description: Groundwater Pumping Characterization and Direct Discharge Approval</b>		0	0	0	0	0	0	\$ -	\$ -
	Project Coordination and Management									\$ -
	Characterization sampling and coordination									\$ -
<b>5</b>	<b>Task Description: Development Response Action Plan</b>		0	0	0	0	0	0	\$ 1,250.00	\$ 1,250.00
	Reporting									\$ -
	MPCA Review per Hour								\$ 1,250.00	\$ 1,250.00
<b>6</b>	<b>Task Description: Building Demolition Regulated Waste Inspection</b>		0	0	0	0	0	0	\$ -	\$ -
	Lump Sum Contractor									\$ -
<b>GRAND TOTAL</b>			<b>200</b>	<b>12</b>	<b>40</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>\$ 6,333.00</b>	<b>\$ 6,809.54</b>