

SUPPLEMENTAL SERVICES PROPOSAL 1

December 14, 2022

City of Frontenac
10555 Clayton Rd
Frontenac, MO 63131

Attention: Jeff Wappelhorst
Public Works Director
Jeff@cityoffrontenac.org

Project

North and West Geyer Storm
Frontenac, MO

The staff of EDM Incorporated, a full-service design firm, is pleased to offer this proposal along with our commitment to success on this project, in accordance with our "Engineering Services for Stormwater Master Plan & Implementation of Capital Improvement Plan" contract dated January 4, 2019.

Project Description

The City of Frontenac "Stormwater Master Plan" has identified the need to make a number of stormwater improvements near 2026 North Geyer Road and West Geyer Lane as shown on Figures 2-2 and 3-1A & B in the City of Frontenac Stormwater Master Plan Update 2020. These improvements will address street, yard and main level flooding at 2026 N Geyer Rd; street and basement flooding at 9 and 11 W Geyer Ln; and yard erosion and ponding at 9, 10, and 11 W Geyer Ln. The Masterplan proposes over 1,300 feet of pipe improvements, 1 stormwater best management practice, berms, inlets, yard drains, and outfall protection.

A meeting with the resident at 2026 N Geyer and subsequent walk of the drainage area above them on August 12, 2022, modified the work proposed in the masterplan near there. This modification included curbing and an inlet along a private drive at 2104 N Geyer to capture water higher in the watershed and to co-ordinate the subsequent piping with a stormwater grant project at 2026 N Geyer as well as water flow off of 2100 and 2016 N Geyer. The grant project is also to be reviewed.

Services

For this supplemental agreement, EDM will prepare plans, specifications, and cost estimates for construction to mitigate flooding and erosion issues at 2 W Geyer Rd. EDM will submit for applicable permits. Homeowner meetings will be held as described below.

In cooperation with the City, EDM will meet with the landowners, prior to and during the aforementioned project's design to determine their willingness to grant easements for this project and to discuss with them any concerns they may have.

Ground topographic surveys will be provided and will be limited to the areas of interest, centered on the proposed project's alignment and tied to USGS datum. The surveys will identify existing utilities as marked by Missouri One-Call Systems, Inc (MOCS). Burdine & Associates will conduct the ground survey, as a subconsultant to EDM.

At the request of the City, EDM will not collect subsurface information for this project.

Jeff Wappelhorst
North and West Geyer Storm
EDM Project No. 22159 Supplemental 1

EDM Incorporated



220 Mansion House Center
St. Louis, MO 63102-1902

Tel: 314 231 5485

Fax: 314 231 8167

www.edm-inc.com

len.madalon@edm-inc.com
314.335.6945

Established 1973

ALMOST 50 YEARS of
RELIABLE, CREATIVE
ENGINEERING SOLUTIONS

Structural

Civil

Building Systems

Project Management

Member

American Council of

Engineering Companies



EDM will prepare a preliminary design. This will include a hydrologic and hydraulic analysis, a cover sheet, plan and profile sheets, and a detail sheet. Permanent MSD easement plats, and maintenance agreement and documents will be prepared. A preliminary cost estimate will be prepared.

Upon acceptance of the preliminary plans by the City, improvement plans and permanent easement plats and documents will be submitted to MSD for review. Temporary easement plats and documents will be prepared while plans are being reviewed by MSD. An application will be submitted to the Army Corps of Engineers for 404 Permit.

Upon receipt of comments from MSD, plans and easements will be revised accordingly and meetings will be held with all available residents from whom easements will be required. Appropriate changes will be made to the plans. A second meeting will be held with the residents to obtain their signatures. EDM will take temporary easements to the County for recording.

Final design will include additional details to the preliminary plans including erosion control and quantity sheets. A final cost estimate will be prepared along with technical specifications. Final plans, specifications and cost estimate will be presented to the City for review. Acquired easements and final plans will be submitted to MSD for review.

Upon request from MSD, construction plans will be submitted to MSD for permit.

EDM will provide Limited Construction Administration services to support the Public Works Director. These will include: preparing and delivering contract documents for bidding, preparation of a submittal log, review of shop drawings and maintenance of the submittal log, responding to Contractor questions, and up to four field visits upon request from the City.

EDM will update the City's dynamic hydraulic models.

This proposal does not include design work to meet any water quality requirements MSD may impose. It is assumed that a mitigation plan, land disturbance permit and Stormwater Pollution Prevention Plan will not be required.

Project Team

Senior Project Manager/Principal Len Madalon, MS, PE
Senior Engineer.....Kurtis Eisenbath, MS, PE
Senior Civil Designer..... Anthony Tarro

Compensation

EDM will perform the aforementioned Scope of Services for the fixed fee of \$123,969. See attached Work Breakdown Structure for more details.

Fees to Date:

Proposal Fee (8/22/2022).....	\$ 216,755
Supplemental No. 1 Fee.....	\$123,969
Total Fees to Date.....	\$340,724

In addition to the above fee, it is proposed that compensation for out-of-pocket direct project expenses be provided at cost plus 10%. This would include printing for the owner's use, delivery service, title reports, authorized out of town travel expense, consultant expenses, and other authorized direct expenses.

Additional Services

Additional services include, but are not limited to, work such as preparation of construction documents for existing systems or components deemed deficient. It is proposed that these additional services be provided on an hourly basis, at the current rates at the time of the services.



Schedule

EDM is prepared to begin immediately upon receipt of a notice to proceed. Schedule depends on review time by the City and MSD, and availability of residents to meet.

Task	Completion
1 Initial Homeowner Meetings*	2 months from NTP
2 Survey	4 months from NTP
3 Preliminary Plans	6 months from NTP
4 Review by City & MSD Complete* submit to COE	7 months from NTP
5 Easement Acquisition**	10 months from NTP
4 Submit Final Plans and Easements to MSD	11 months from NTP
5 MSD Review Complete*	12 months from NTP
6 Produce Bid Document	13 months from NTP

**Agency review times are estimated. **Dependent on ease of contacting residents.*

Contract

This document will serve as a binding agreement when Notice to Proceed is given. At that time this document is the effective contract and the attached Terms and Conditions will be in effect.

Please contact us with any questions. We are honored to be considered for your project and look forward to working with you.

Proposed: EDM Incorporated


Executive Vice President

Date: December 14, 2022

LJM/mjr
Enclosure: Work Structure and Terms and Conditions
LJM Wappelhorst North and West Geyer Storm Supplemental 1 121422

City of Frontenac		EDM Incorporated			
North and West Geyer Storm					
12/14/2022					
Work Breakdown Structure					
Supplemental #1					
Lump Sump Design Costs					
TASK	PM	PE	Senior Desinger	T	TOTALS
Site Visits					\$7,043.00
Create and send out letters		2		2	
Prep (Maps, Questionnaires, Other Problems and potential Soln. etc.)		10	8		
Resident and Trustee Mtgs		21			
Subtotal	0	33	8	2	
Preliminary Plans					\$35,256.00
Plan cover sheet			6		
Plans		8	32		
Profiles		8	32		
Geometry		8	12		
Route Analysis		16			
Inlet capacities		8			
Drainage area maps		4	12		
Hydraulic model		12	8		
Hydraulic report		8	8		
Detail Sheets		8	16		
Quantities		4	12		
Cost estimate		4	8		
Subtotal	0	88	146	0	
Easements					\$18,078.00
Easement Exhibits		24	48		
Easement Acquisition		42			
Subtotal	0	66	48	0	\$2,332.00
Coordination with Utilities		4	12		\$2,682.00
Permits					
404 Nationwide Mtg		4			
404 Nationwide Application		2	12		
City Floodplain Permit			0		
Subtotal	0	6	12	0	
Final Plans					\$23,246.00
Plan cover sheet					
Plans		2	16		
Profiles		2	16		
Geometry		2	6		
Inlet capacities		4			
Erosion Control		2	12		
Hydraulic model		2	4		
Hydraulic report		2			
Detail Sheets		2	8		
Specifications		40			
Quantities		4	16		
Cost estimate		4	8		
Subtotal	0	66	86	0	
Construction Administration					\$9,582.00
Bid Doc Prep		4	1		
Submittal log		2	8		
Shop drawing review and log maintenance		4	20		
Field Visits and Contractor Questions		16	8		
Subtotal	0	26	37	0	
Update Hydraulic Models		6			\$1,050.00
Project Management	100				\$20,300.00
Subtotal 2023 Hours	100	295	349	2	
Billing Rate 2023	\$203.00	\$175.00	\$136.00	\$90.00	
EDM Fee 2023	\$20,300.00	\$51,625.00	\$47,464.00	\$180.00	\$119,569.00
Total EDM Fee	\$20,300	\$51,625	\$47,464	\$180	\$119,569.00
Subconsultants					
Survey (Burdine & Associates)					\$3,500.00
Review and Seal Plats (Burdine & Associates)					\$900.00
Rain Garden Check Survey					\$0.00
Total Fee					\$123,969.00

TERMS AND CONDITIONS | EDM INCORPORATED

Contract Form

This proposal will form an interim agreement for these services, until a complete contract can be prepared, under the following "Terms and Conditions."

Use of Documents

All work products, including those in electronic form, prepared by EDM, are "Instruments of Service," and may only be used with respect to this project. The Client may reproduce these documents and files for the purpose of constructing, using and maintaining this project only. Any other use by the Client or any other party is not permitted.

Payment Terms

In addition to the stated compensation, the Client shall reimburse EDM Incorporated for **any sales, use and value-added taxes**, which apply to these services.

Invoices will be submitted periodically for these services. The Client shall notify EDM within 15 days from the date of invoice with any objections.

Payment in full for each invoice is due within 20 days from the date of the invoice.

Compensation will be increased by an **additional charge** of 1.5% of the amount of the invoice per month when payment is not received by the due date.

Termination

Whenever payments are not maintained on a current basis, EDM Incorporated reserves the right to **discontinue providing services and to withhold data**, after serving written notice, until payments are restored to a current basis.

Changes to this agreement will be documented defining the change in scope, compensation and/or schedule. That document will become a part of this agreement when signed by both parties. **Hourly rates** or another basis for determining the cost of changes are stated above.

Schedule

The schedule for the performance of these services is discussed above. EDM Incorporated is committed to performing these services within this schedule. Should circumstances necessitate a revision to the schedule, prompt written notification will be provided.

Insurance

EDM Incorporated agrees to maintain the following **insurance** during this project:

- Statutory Worker's Compensation coverage.
- Professional Liability coverage of at least \$1,000,000 per occurrence with a one-year total aggregate coverage of \$2,000,000.
- Comprehensive General and Automobile Liability of at least \$1,000,000.

Hazardous Materials

EDM Incorporated accepts no responsibility for hazardous material assessment, classification, testing, abatement, encapsulation, air-monitoring, sampling or the effects of its presence, removal, handling, transportation, disposal, etc., on any persons, properties or activities.

Responsibility for the above items is to be held by the Owner.

