



11687  
Lebanon Road  
Cincinnati, Ohio  
45241-2012  
  
513-842-8200  
513-842-8250FAX  
  
www.fmsm.com

September 8, 2006

O.1.8.4CN2005072P02

Ms. Kathleen Wade-Dorman, PE  
Stormwater Engineer  
City of Mason  
Engineering and Building  
6000 Mason Montgomery Road  
Mason, Ohio 45040

Re: Muddy Creek Sanitary Sewer Design and Construction Services, Muddy Creek Stream Restoration Construction Services, Overlook Drive Stream Restoration Construction Services, and Hoff Run Drainage Ditch Construction Services

Dear Ms. Dorman:

### **Muddy Creek Sanitary Sewer Engineering Design Services**

As requested, Fuller, Mossbarger, Scott and May Engineers, Inc. (FMSM) has prepared a proposal to provide engineering design and construction services for replacement of approximately 2,000 linear feet of sanitary trunk sewer in the Muddy Creek Area near Mason-Montgomery Road and Kings Mills Road. The City plans to replace the trunk sewer from approximately 270 linear feet from the upstream face of Mason-Montgomery Road Bridge to just upstream of Kings Mills Road Bridge. The replacement is to be completed in conjunction with stream restoration work on three segments of Muddy Creek in the area.

Contained within this proposal are FMSM's understanding of the project and a proposed cost of services. The specific scope of services for the sanitary sewer design involves data collection and site reconnaissance, preparation of a preliminary design letter, preparation of design drawings, technical specifications, an opinion of capital construction cost, and bid support services.

1. Project Understanding and Work Description
  - a. Data Collection, Site Reconnaissance and Surveying

We will provide surveying services to 1) survey the locations of the manholes on the existing sanitary sewer line in this area and to survey elevations of the existing sewer inverts and to 2) survey the alignment of the proposed relocated sanitary sewer for final design plans. Estimated cost of the survey portion is \$11,600. During the surveying of the existing sewer, FMSM will also observe the condition of existing manholes for possible rehabilitation or replacement and provide an inspection report for each manhole (this will be accomplished from the surface, no entry will be done).

b. Preliminary Design

FMSM will analyze the sewer shed flow reports and flow estimates in the master plan to develop a recommendation of trunk sewer pipe size. FMSM will develop preliminary drawings showing proposed sewer plan and profile. FMSM will evaluate alternatives for open cut construction methods versus pipe bursting construction methods. A preliminary design letter report will be prepared summarizing these analyses and work.

c. Final Design

After pipe size, alignment, and construction methods are finalized, FMSM will develop construction drawings suitable for bidding to be included in the Muddy Creek Restoration Project construction drawings. The sanitary sewer plans will be drawn as "stand alone" sheets, separate from stream restoration sheets so the Public Utilities Department may keep them for their records and permitting needs.

d. Project Management and Coordination

We have budgeted for four (4) meetings with the Public Utilities Department during the preliminary and final design.

e. Bid Support Services

FMSM will provide bid support services including attending meetings, answering questions during the bidding phase, assisting the City in the preparation of the PTI, and coordinating with the City and other utilities.

**Estimated Cost of Services**

<b>Sub-Task</b>	<b>Description</b>	<b>Lump Sum Fee</b>
a	Data Collection, Site Reconnaissance and Surveying	\$14,100
b	Preliminary Design	\$4,200
c	Final Design	\$9,800
d	Project Management and Coordination	\$2,700
e	Bid Services	\$4,100
<b>Total Cost</b>		<b>\$34,900</b>

**Construction Services**

FMSM has prepared a proposal to provide construction services for the Overlook Drive stream restoration project, the Muddy Creek stream restoration project, the sanitary sewer construction project, and for the Hoff Run drainage ditch construction project. The scope of services for these projects includes attending a pre-construction meeting, attending field

meetings, field visits, testing and sampling services, review of contractor submittals, and other services. This work will be performed on a time and materials basis as directed by the City of Mason.

**Estimated Cost of Services**

<b>Sub-Task</b>	<b>Description</b>	<b>Lump Sum Fee</b>
a	Overlook Drive	\$11,086
b	Muddy Creek	\$14,434
c	Sanitary Sewer	\$10,539
d	Hoff Run	\$6,452
<b>Total Cost</b>		<b>\$42,511</b>

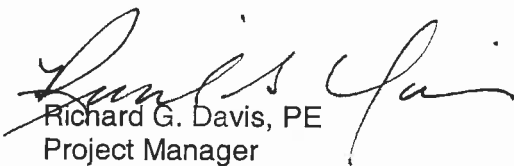
We appreciate the opportunity to submit this proposal. If you have any questions, or need additional information, please call.

Respectfully submitted,

FULLER, MOSSBARGER, SCOTT AND MAY  
ENGINEERS, INC.



Scott D. Peyton, EI, CFM  
Project Engineer



Richard G. Davis, PE  
Project Manager

SDP/RGD/lfb

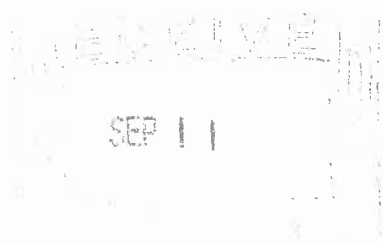


EXHIBIT A  
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