FINKBEINER, PETTIS & STROUT, INC.

EXH. A

May 1, 2001

CONSULTING ENGINEERS
ESTABLISHED 1900
3699 SYMMES ROAD
HAMILTON, OHIO 45015
513-860-8700
513-860-8701 FAX

Mr. Ernie Stickler
Public Utilities Superintendent
City of Mason
202 West Main Street
Mason, Ohio 45040

Re: Mason, Ohio
Letter Agreement for Engineering Services
Final Design for Water Reclamation
Plant Improvements

FPS

Dear Mr. Stickler:

We are pleased to submit this Letter Agreement to provide engineering services to the City of Mason for the Final Design phase of the Water Reclamation Plant (WRP) Improvements project. After careful consideration of several alternatives to increase treatment capacity, the City's Public Utilities Committee recommended and Council approved this Plant Relocation Alternative. As determined during our evaluation of available options, this alternative includes the relocation of the treatment facilities. This relocation will require construction of new treatment facilities on the northeast portion of a parcel located on Mason-Morrow-Milgrove Road and abandonment and demolition of the existing facilities located at 3920 U.S. Route 42.

Based on the 2020 design year flow projections for the sanitary sewer service area developed in the Wastewater System Master Plan Update, the design year treatment capacity will be 13.0 million gallons per day (MGD). The evaluations studied for improved treatment capacity have included incremental improvements to reach that design year capacity. This phase of improvements will provide for an initial plant capacity of 8.67 MGD with components designed for expansion to 13.0 MGD in the future.

As described in the alternative evaluations documentation, we propose to provide engineering design services to enable construction of the 8.67 MGD Water Reclamation Plant. Our design services for this important project are outlined below.

1) Perform a topographical survey of the proposed treatment plant site as well as the proposed sewer alignment and proposed reclaim water force main to connect to the existing force main near S.R. 741. The survey will include the following:
   a) Notify OUPS of the design project to have all buried utilities field marked.
   b) Locate all field-marked utilities.
   c) Locate trees, poles, driveway culverts and other physical objects within public right-of-way along the proposed sewer alignment, as well as on the proposed treatment plant site.
   d) Establish benchmarks for the project.

2) Recommend a geotechnical firm to perform a soils investigation. We will provide soil-boring locations based on the proposed sewer alignment and proposed structure locations.

3) Site grading, landscaping, piping and drainage improvements.

4) Approximately 5,000 linear feet of gravity sewer with the capacity to convey ultimate projected wastewater flows to the proposed site.

5) Influent Pumping Station that will include either submersible chopper pumps or screw pumps. We will perform an evaluation and base the design on the selected alternative.

6) Preliminary Treatment Facilities that will include a mechanical bar screen, bypass manual bar screen and screenings conveyance and discharge system.

7) Grit Removal Facilities that will include a vortex-type cyclone grit separator.

8) Two Oxidation Ditches along with flow splitter structures.

9) Three 100-foot diameter Flocculation Clarifiers.

10) Ultraviolet Disinfection Chamber.

11) Sludge Pumping and Blower Building.

12) Aerobic Digestion Tanks.

13) Sludge Dewatering Facilities to include two belt filter presses.

14) Covered Dewatered Sludge Storage Facilities.

15) Plant Drain Pumping Station.

16) Reclaim Water Pumping Station and Force Main (approximately 5,000 linear feet).

17) Administration Building.

18) Collection System Maintenance Building.

19) Electrical and instrumentation improvements related to the above treatment components and structures.

20) Demolition drawings and specification documents to allow for abandonment and/or demolition of the existing treatment plant site and structures after the new plant is on line.

These services will be provided for under Paragraph 1.5 – Final Design Phase, of our continuing Agreement for Engineering Services, dated January 7, 1991 and amended

June 6, 1996. We propose to offer our services based on the scope of services described above for a fee of $1,526,800. This fee is a cost-reimbursement/multiplier fee, as described in our continuing Agreement for Engineering Services. The fee will not be exceeded unless there is a mutually agreed-upon revision to the scope of the project. As for all of our projects with the City of Mason, services will be invoiced only to the extent that time is charged to the project.

Please indicate the City's authorization to proceed with the project by obtaining the appropriate signatures on the lines on the following page, and return both copies of the signed Agreement to us for signing. We will then return one signed copy to you for filing. We are prepared to begin this project immediately upon your authorization.

We are available to discuss this Letter Agreement at your convenience. Please contact us if you wish to do so.

Yours truly,

Allen J. Aspacher, P.E.
Project Manager

c: Mr. Scot Lahrmer

Mason, Ohio
Water Reclamation Plant
8.67 MGD Plant Relocation

Data: 5/1/01
File: hours.xls

Estimate of hours based on plan sheets required.

Description Architectural	Sheets
Cover Sheet	1
Index/Abbreviations/Symbols	1
Flow Profiles	1
Influent Sewer Plan & Profile Sheets	6
Miscellaneous Site Details	2
Manhole Details	1
Proposed Site Plans	
Overall Site Plan	1
Piping Plan	2
Grading and Staking Plan	2
Administration Building	
Exterior Elevations	2
Sectional Plan	1
Floor Plan	1
Roof Plan	1
Reflected Ceiling Plan	1
Sections	2
Sections and Details	3
Schematics (water and plumbing)	2
Influent Pumping Station & Screen Bldg.	
Exterior Elevations	1
Sectional Plans	2
Floor Plan	1
Roof Plan	1
Sections	2
Sections and Details	3
Grit Removal Structure	
Plans, Sections & Details	2
Flow Splitter Chamber No. 1	1
Oxidation Ditch No. 1 & 2	
Overall Plan	1
Sectional Plan	1
Plan	1
Sections	2
Sections and Details	4
Flow Splitter Chamber No. 2	1
Final Settling Tanks	
Overall Plan	1
Sectional Plan	1
Plans	1
Sections and Details	2
RAS/WAS Chamber	1
UV Disinfection Chamber	
Plan / Sectional Plan	1
Sections	1
Sludge Pumping and Blower Building	
Exterior Elevations	1
Sectional Plan, Plan & Roof Plan	2
Sections	1
Sections, Details & Schematics	3
Aerobic Digestion Tanks	
Sectional Plan	1
Plan	1
Sections	2
Sections and Details	3
Sludge Dewatering Building	
Exterior Elevations	1
Foundation Plan, Plan, Roof Plan	2
Sections	1
Sections, Details & Schematics	4
Dewatered Sludge Storage Pad	
Sectional Plan and Plan	2
Sections and Details	1
Plant Drain Pumping Station	1
Reclaim Water Pumping Station	
Exterior Elevations	1
Sectional Plan and Plan	1
Sections and Details	1
Details and Schematics	1
Force main plan & profile	5
Maintenance Building	
Exterior Elevations	2
Foundation Plan	2
Plan	2
Roof Plan	2
Sections	2
Details	1
Schematics	1
Miscellaneous Details	
Misc. Structure Details	2
Door Details	2
Window Details	1
Miscellaneous Schedules	4
Existing Site Demolition	
Site Plans	4
EQ Basins	1
Control Building	1
Preliminary Treatment Building	1
Oxidation Ditches	1
Flocculation Clarifiers	1
UV Disinfection Chamber & Con. Bldg.	1
Aerobic Digestion Tanks	1
Belt Filter Press Bldg.	1
Misc. Structure Details	1
Subtotal - Architectural	130

Description Electrical	Sheets
Electrical Symbols	1
Electrical Site Plan	1
Electrical Site Plan	1
One-Line diagram	2
Existing Site Demolition	2
Sludge Pumping and Blower Building	1
Sludge Pumping and Blower Building	1
MCC and Schematics	1
Schematics	1
Influent Pumping Station & Screen Building	1
Influent Pumping Station & Screen Building	1
MCC and Schematics	1
Oxidation Ditch No. 1 & 2	2
Final Settling Tanks	1
Administration Building	2
Administration Building	2
MCC and Schematics	1
Schematics	1
Sludge Dewatering Building	1
Sludge Dewatering Building	1
MCC and Schematics	1
Schematics	1
Maintenance Building	2
Maintenance Building	1
MCC and Schematics	1
Miscellaneous Structures	1
Miscellaneous Structures	1
Miscellaneous Details	1
Instrumentation Panel Details	1
Instrumentation Panel Details	1
Instrumentation Panel Details	1
Loop Diagrams	1
P&ID Drawings	9
DCS Block Diagram	1
Telephone System Block Diagram	1
Miscellaneous Details	5
Subtotal - Electrical	54

Total Sheets = 130 + 54 = 184

Total fee: $1,526,800.00

Estimated Construction Cost from Study:
$28,284,900

Total Fee as % of Const. Cost: 5.40%