

STILSON

consulting group

"Quality: often discussed, seldom practiced"

COPY

August 29, 2001

Mr. Karl C. Wetherholt, P.E.
City Engineer
City of Gahanna
200 South Hamilton Road
Gahanna, OH 43032

Re: Proposal for Engineering Services
Mill Street Sanitary Sewer Capacity Study

Dear Mr. Wetherholt:

Per your request, we are pleased to submit our proposal to provide professional engineering services for the capacity study of Mill Street Sanitary Sewers.

The project is an analysis of the existing sanitary sewer infrastructure in the Old Town area, generally bounded by Mill Street, Carpenter Road, Shull Avenue, and Granville Street, and including some peripheral areas. The analysis will include a review of existing sanitary sewer flows in the tributary area, and estimates of inflow/infiltration in the area. The study will conclude with statements regarding remaining capacity available for development in the Creekside Development area.

Stilson Consulting Group (SCG) will perform the following specific tasks:

1. Site Investigation

Stilson Consulting Group will conduct a thorough review of existing infrastructure and development, including:

- Establish boundaries of areas tributary to existing sanitary sewer
- Analyze connection points to the remainder of the sanitary sewer system
- Review sanitary sewer as-built plans for pipe size, slope, material
- Review sanitary sewer flow data from existing utility records as prepared by the City
- Review existing tapes as to existing conditions

2. Preliminary Calculations

- Prepare tributary area map
- Establish sanitary sewer peak flow factor
- Review existing flow data
- Prepare flow analysis by tributary area, cumulative to outlet
- Calculate ideal capacity

EXHIBIT A

3. Inflow/Infiltration Review
 - Review existing I/I reports and conclusions
 - Estimate I/I effect on tributary areas
 - Flow Monitoring as necessary to establish I/I allowance
4. System Analysis
 - Prepare flow analysis by tributary area including I/I allowance
 - Analyze available capacity by tributary area, check pipe percent full
5. Report Preparation
 - Narrative, including conclusions and recommendations
 - Exhibits
 - Spreadsheets
6. Meetings
 - SCG will attend review meetings with the City as required.

The gathering of data and preparation of the Mill Street Sanitary Sewer Capacity Analysis report will be completed within 4 months after authorization to proceed. The engineering fee for the services described herein will be a lump sum of \$19,100.00. Invoices will be prepared monthly based upon our estimated percentage of completion.

We appreciate the opportunity to submit this proposal and look forward to working with the City on this project.

Sincerely,

STILSON CONSULTING GROUP, LLC



James A. Swartzmiller, P.E.
Vice President

JAF:kse