

US 80 Sewer Master Plan Scope of Services
March 18, 2025

Project Understanding:

The project will be to prepare a sanitary sewer master plan for the US 80 service area which has been provided by Effingham County and is attached. The master plan will be used by the county for future expansion of their system and potentially serve portions of west Chatham County\Bloomingdale. EMC'S scope of work is outlined below. EMC will attend a kickoff meeting with the county at the start of the project. County GIS layers/information will be provided as needed for the project by the County.

Task 1, Review Available Data:

EMC will review the following:

- Current zoning / land use maps (Effingham Co., Chatham Co., Bloomingdale)
- Current census data (Effingham Co., Chatham Co., Bloomingdale)
- Future zoning / land use maps (Effingham Co., Chatham Co., Bloomingdale)
- Projected census data (Effingham Co., Chatham Co., Bloomingdale)
- Existing county owned sewer infrastructure in the study area.
- Existing and future capacity of the county's wastewater treatment plant.
- Septic tank locations
- Grinder pump\low pressure system locations
- Private sewer infrastructure
- New county wastewater treatment plant location, capacity, and discharge location.

Task 2, Prepare Sewer Master Plan:

A sewer master plan will be prepared for the service area based on the data collected in task 1. A report will be prepared which will include the following:

- Executive Summary
- Existing Conditions
- Future Conditions
- Existing sewer flow projections
- Future sewer flow projections
- Recommended conveyance infrastructure location and sizes (gravity lines, lift stations, and force mains)
- The recommended sewer infrastructure will be presented as two options. Option 1 will be for the sewer flows to go to the existing county wastewater treatment plant. Option 2 will be for the sewer flows to go to a new county wastewater treatment plant in the vicinity or the service area.
- Estimated costs for each option for the proposed conveyance systems.
- Report exhibits that will show current and proposed conditions.

EMC will submit the master plan to Effingham County and address two sets of comments.

Estimated Fee: \$140,000

