

January 3, 2022

Central Area Sewer Separation Project

Here is the status of our preliminary design for the Central Area Sewer Separation Project. We have completed the following tasks:

- Performed a computer analysis of the existing sewer system as a benchmark and comparison to the proposed system.
- Obtained topographic survey and elevation information along the proposed routes of the new sewer system including village owned utilities.
- Obtained atlas information from private utility companies such as Nicor, ComEd, and others to determine the location of their facilities to avoid conflicts.
- Drafted the survey and utility information on plan sheets.

We are working on the following tasks:

- Running a computer analysis to confirm the sewer pipe size diameters and the volume of underground storage needed in both pipes and the vault.
- Designing the proposed sewer pipe location and depth based on existing public and private utilities.
- Designing the proposed force main and confirming head loss characteristics based on pump discharge rates.
- Determining the number and size of the pumps for the pump station to achieve the desired discharge flow based on the force main length and diameter.

When the MWRD call for projects for the Stormwater Partnership Program is available, we will prepare and submit the preliminary plans and documentation to them for consideration of funding. We anticipate the program will open up in early January based on past conversations with the MWRD. Let me know if you have any questions.