



## AGENDA ITEM SUMMARY FORM

**PROPOSED MEETING DATE:** February 7, 2024  
**PREPARED BY:** Daria Sakharova, P.E.  
**DEPARTMENT:** City Engineer

### AGENDA ITEM DESCRIPTION:

Consideration, discussion, and possible action on a Statement of Work to perform a sanitary sewer evaluation study (SSES) to reduce inflow and infiltration (I&I) in the City's sanitary sewer system.

### BACKGROUND/SUMMARY:

The City of Manor has been contending with elevated wet-weather flows at its wastewater treatment facilities. To address high levels of wet-weather flows, the City Council engaged GBA to initiate a flow monitoring program. An initial flow monitoring study was conducted in the Fall of 2021, which identified several sanitary sewer drainage basins with elevated rates of Inflow and Infiltration (I&I). A second (more focused) round of flow monitoring was further performed in the Fall of 2022 to delineate I&I locations within the City's system. This flow monitoring determined that specific drainage basins have elevated levels of I&I, and these basins were selected for SSES investigations. The first two, and leakiest, basins were evaluated in 2022, and in 2024, it is desired to evaluate the next basin with excessive wet-weather flows.

The attached scope and fee cover the work required to perform these evaluations. This work includes maintenance hole inspections, closed-circuit televising (CCTV) of sewer lines, smoke testing of sewer lines, and I&I quantification and analysis. These evaluations will provide the city with specific structures and sewer lines that need to be rehabilitated to reduce I&I in the system and improve its structural functionality.

**LEGAL REVIEW:** Not Applicable

**FISCAL IMPACT:** No – approved in Budget FY23-24

**PRESENTATION:** No

**ATTACHMENTS:** Yes

- Exhibit A, Statement of Work No. 30
- 2024 Manor SSES Fee Schedule
- 2024 Manor SSES Scope of Services

### STAFF RECOMMENDATION:

It is the city staff's recommendation that the City Council approve the Statement of Work No. 30 to George Butler Associates, Inc. for the 2024 Sanitary Sewer Evaluation Study in the amount not to exceed \$72,226.00.

**PLANNING & ZONING COMMISSION:**                      **Recommend Approval**                      **Disapproval**                      **None**