

**VILLAGE OF GRAYSLAKE
DESIGN ENGINEERING SERVICES
WORK ORDER
GHA PROJECT NO. 4990.041****Project: 2019 Storm Sewer Improvements**

Residents between Seymour Avenue and Westerfield Place have reported to the Village that frequent standing water in the rear yards has occurred after rainfall events. Based on Lake County GIS topographic data, there is a shared depressional area in the rear yards affecting 249, 263, and 269 Seymour, as well as five properties on Westerfield Place. The Village would like to extend the existing storm sewer on Seymour Avenue south to the shared property line between 263 and 269 Seymour and east into the rear yards to provide relief for this recurring drainage condition.

In addition, the Grayslake Heritage Center, located at 164 Hawley Avenue, has experienced flooding on several occasions over the past few years, most significantly experiencing six feet of water in the basement following the July 11-12, 2017 rainfall event. During subsequent investigations, an existing 12" storm sewer was identified north of this area extending along the railroad right-of-way to Allen Avenue. This storm sewer was identified to be in poor condition through sewer televising, which identified multiple areas where the pipe had collapsed. The Village would like to abandon this connection to Allen Avenue and extend the existing storm sewer west along Pine Street to the Slusser/Pine intersection.

GHA will provide design engineering services to complete storm sewer extensions within these two project areas, to be bid as one project.

Scope of Services

The work required consists of the following tasks:

- ◆ GHA will prepare a complete existing conditions topographic and boundary survey and prepare base plans of the existing project areas as shown on the conceptual site plans for each project area.
- ◆ GHA will prepare preliminary engineering plans and a preliminary EOPC to complete the storm sewer extensions noted. Following Village review GHA will prepare final construction documents.
- ◆ GHA will prepare easement documents for the properties at 249 and 263 Seymour Avenue. It is understood that the Village will coordinate with the property owners for execution of the easement documents.
- ◆ GHA will assist the Village with coordination of the project letting and assist the Village with reviewing bid tabulations and making a recommendation for award.

The scope of our work for these investigations will not include any detailed stormwater modeling or any other work beyond the items noted above. If further detailed design or study is needed, a separate work order will be provided.

Estimate of Manhours and Fee

Billing for the project will be on a time and material basis with an estimated budget of \$19,400.00. This fee will not be exceeded without written prior approval of the Village. We anticipate a February 2019 bid opening.

Gewalt Hamilton Associates, Inc.

Submitted By:



Daniel J. Strahan, P.E., CFM
Associate/Senior Engineer

Village of Grayslake

Accepted By:



Name: MICHAEL J. ELMS

Title: VILLAGE MANAGER

Date: 10/23/18