



**SUBJECT: PRESENTATION OF DRAINAGE STUDY AND ANALYSIS RESULTS
AND DRAINAGE IMPROVEMENT RECOMMENDATIONS – WORK SESSION**

COMMISSION ACTION REQUESTED ON: February 7, 2018

PURPOSE:

Presentation of the results of the College Park Drainage Improvement Study results and recommendations.

HISTORY:

College Park Subdivision has experienced numerous flooding problems for several years. Preliminary engineering reports have been completed which address the College Park and Magnolia Park Drainage Basins (2006) and the College Park Storm Drainage Improvements (2012). Based on these engineering studies, multiple construction projects have been completed in an attempt to improve the storm drainage within the subdivision as well as the downstream conveyance issues. However, the neighborhood still experiences flooding during significant rainfall events.

FACTS AND ISSUES:

The City selected EMC Engineering Services in June 2017 to complete a drainage basin analysis and modeling of the existing hydrology in the College Park Basin. The project is a joint project with Glynn County, and the drainage basin includes areas outside the city limits. EMC analyzed the existing drainage conditions in the basin and has identified several areas where improvements can be made to the drainage system to alleviate flooding problems in College Park neighborhood and other upstream areas. EMC has defined the potential improvements along with an opinion of probable cost associated with each improvement. This work session will allow an opportunity for EMC to present the results of their findings and drainage study including:

- specific existing problem areas and causes of drainage problems;
- potential drainage improvements to alleviate flooding;
- estimated cost associated with potential drainage improvements;
- recommended drainage improvements.

BUDGET INFORMATION:

This is a presentation and report of a drainage study, so no budget information is required at this time.

OPTIONS:

DEPARTMENT RECOMMENDATION ACTION:

DEPARTMENT: Engineering

Prepared by: Garrow Alberson, P.E., City Engineer

ADMINISTRATIVE COMMENTS:

ADMINISTRATIVE RECOMMENDATION:

City Manager

Date