

# Staff Report

**Subject:** Effingham County Stormwater Management Local Design Manual

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**Department:** Engineering

**Meeting Date:** 01/07/2025

**Item Description:** Design Policy

**Summary Recommendation:** This version of Effingham County Stormwater Management Local Design Manual has been updated to be more easily understood by providing clarity and updating outdated references. Design requirements have been increase for stormwater systems to improve the level of service for development within Effingham County.

## Executive Summary/Background

- Collector Roads will now be designed to have a Level of Service for 50-Year storm event instead of 25-Year
- Neighborhood/Local roads 25-Year event instead of 10-Year event
- Neighborhood/Local roads shall be designed to have at least one lane width open instead of 8ft minimum
- Parking Lots shall be designed to not allow no more than 0.25ft of flooding instead of 0.5ft
- Riprap at a minimum shall be placed around and above the crown of the pipe on the upstream and downstream side of the pipe to prevent scouring and erosion of for pipes less than or equal to 30" in diameter. A headwall shall be design for pipes larger than 30" in diameter and shall be submitted to the county engineer or designee for approval.
- Ditches shall have 1ft of freeboard below edge of pavement if adjacent to a road

## Alternatives for Commission to Consider:

1. Approval
2. No Action

**Recommended Alternative:** 1

**Other Alternatives:** 2

**Department Review:** *Engineering, Development Services*

**Funding Source:** N/A

**Attachments:** Draft Version of Effingham County Stormwater Management Local Design Manual