

Staff Report

Subject: Construction Specification Revision
Author: Jonathan Hulme
Department: Engineering
Date: July 16, 2024

Item Description: Construction Specification - Section 02400 & Stormwater Management Local Design Manual

Summary Recommendation:

The county needs to update the Construction Specification Section 02400 Storm Drainage System to current standards and requirements. The Stormwater Management Local Design Manual will now refer to our construction specifications instead of providing construction specifications.

Executive Summary/Background:

There have been no updates to our construction specifications in nearly 20 years. Staff has worked closely with product professionals to make specification current with today's standards. Engineering Department is recommending the following changes:

- RCP classification of pipe determination in accordance with ASTM 76
- CMP, HDPP, HDPE Pipe to have rock installed to 6 inches above the crown of the pipe vs springline of pipe previously.
- Field Quality Control improvements to inspect according to AASHTO R-73
- Providing more construction guidance for RCP, CMP, HDPP, and HDPE
- Page 14 of the Stormwater Management Local Design Manual will refer to county specifications for construction criteria.

Alternatives:

Approve an amendment to Effingham County Construction Specification - Section 02400 Storm Drainage System & Stormwater Management Local Design Manual.

Deny an amendment to Effingham County Construction Specification - Section 02400 Storm Drainage System & Stormwater Management Local Design Manual.

Recommended Alternative: 1

Other Alternatives: 2

Department Review: Engineering Department

FUNDING: N/A

Attachments: Effingham County Construction Specification - Section 02400 Storm Drainage System from October 2004 and revised version July 2024, page 14 of Stormwater Management Local Design Manual.