



City of Rochester Hills  
AGENDA SUMMARY  
NON-FINANCIAL ITEMS

1000 Rochester Hills Dr.  
Rochester Hills, MI 48309  
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[www.rochesterhills.org](http://www.rochesterhills.org)

Legislative File No: 2022-0563

**TO:** Mayor and City Council Members  
**FROM:** Bill Fritz, P.E., Department of Public Services Director  
**DATE:** December 5, 2022  
**SUBJECT:** Proposed Revision to the Rochester Hills Engineering Design Standards  
Section 4 – Stormwater Management

**REQUEST:**

City Council is requested to approve changes to Section 4 of the Rochester Hills Engineering Standards to increase the required water quality treatment from 0.5-inches to 1.0-inches and increase the channel protection design criteria from a 1.87-inch to a 2.39-inch rainfall design event.

**BACKGROUND:**

The Michigan Department of Environment, Great Lakes and Energy (EGLE) notified the Rochester Hills Department of Public Services that the City is in violation of its current Municipal Separate Storm Sewer System (MS4) permit to discharge stormwater. Subsequent meetings were held with EGLE staff to review their concerns and learn where the current engineering standards adopted by the City falls short of the minimum permit requirements. Two areas were identified by EGLE that require revision in order for the City to achieve permit compliance.

A presentation has been prepared and will be reviewed with the City Council to explain the two proposed formula amendments and four text revisions to section 4 of the engineering design standards. The latest version of the engineering standards was adopted by City Council on September 23, 2019.

**RECOMMENDATION:**

The Department of Public Services recommends that City Council approve changes to Section 4 of the Rochester Hills Engineering Standards to increase the required water quality treatment from 0.5-inches to 1.0-inches and increase the channel protection design criteria from a 1.87-inch to a 2.39-inch rainfall design event.

Attachment(s): 2022.Dec5.StormwaterRevisionPresentation.pptx  
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APPROVALS:	SIGNATURE	DATE
Department Review		
Department Director		
Mayor		
City Clerk		

Contract Reviewed by City Attorney  Yes  N/A