

DEVELOPMENT OF NEW STORMWATER MANAGEMENT RULES



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MACOMB COUNTY OBJECTIVES

- Provide a comprehensive framework to achieve multiple benefits, e.g. drainage, channel protection, water quality, and flood levels.
- Encourage innovation and natural solutions.
- Improve longevity, safety, maintenance, and environmental benefits.
- Strengthen use and protection of natural features.
- Emphasize reduced maintenance.

STORMWATER MANAGEMENT PROCEDURES AND STANDARDS

- Stormwater Management for Site Development Improvements
- Requirements for County Drains (Permitting)
- Provides Landscaping Requirements
- Establishes Performance Metrics
- Adopts Design Standards and Typical Details

CATEGORIES OF STANDARDS

STORMWATER

- Channel Protection
- Water Quality Treatment
- Flood Protection
- Alternative Compliance
- Storage and Infiltration
- Swales



COUNTY DRAINS

- Capacity and Bankfull Flow
 - Storm Sewers
 - Culverts and Bridges
 - End Sections and Treatments
 - Riprap
 - Drain Realignments
 - Natural Methods
 - Landscaping and Vegetation
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WHAT IS NEW?

- Stormwater Management for Site Development
 - Pre and Post Runoff Analysis for Sizing
 - Require Channel Protection Volume
 - Require Water Quality Volume
 - Determine Infiltration Volume
 - Require Flood Protection Volume
 - Provide Standards for Calculations
 - Update Standard Details

WHAT IS NEW?

- Improvements for County Drains
 - Streamline the review process
 - Follow MDEQ General Permit Categories
 - Establish Multi-Stage Channel Sections
 - Provide Standards for Calculations
 - Update Standard Details

FOR MORE INFORMATION



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