

Standards for Stormwater Management  
Systems, Procedures and Design Criteria

**Supplemental Standards No. 4 – September 28, 2021**

The following Sections of the Rules of the Ingham County Drain Commissioner, 2005 Edition, is hereby revised and amended as follows:

**PART 3: DESIGN CRITERIA FOR STORMWATER MANAGEMENT SYSTEMS**

Add the following sentence on page 18 at the end of the introductory statement to PART 3: DESIGN CRITERIA FOR STORMWATER MANAGEMENT SYSTEMS on pages 17-18:

All calculations for stormwater management systems, wherever applicable throughout these Rules, shall be based on National Oceanic Atmospheric Administration (NOAA) Atlas 14, as amended or updated.

The remainder of the introductory statement remains unchanged.

**PART 3: DESIGN CRITERIA FOR STORMWATER MANAGEMENT SYSTEMS**

**SECTION 4: Retention Basins**

Correct the spelling of the heading of Section 4 from SECYION 4 to SECTION 4.

Revise Section 4.A to read as follows:

**A. No Outlet Retention Basins**

Retention basins with no outlet will not be allowed.

The remainder of Part 3, Section 4 remains unchanged.

**PART 3: DESIGN CRITERIA FOR STORMWATER MANAGEMENT SYSTEMS**

**SECTION 5: Detention/Retention Basins**

5.1 and 5.3 remain unchanged.

Revise Section 5.2 to read as follows:

2. At a minimum, the volume of the permanent pool should be at least 10% of the 100-year storage volume.

Rules of the Ingham County Drain Commissioner, 2005 Edition, as amended

Standards for Stormwater Management  
Systems, Procedures and Design Criteria

Supplemental Standards No. 4 – September 28, 2021

The following Sections of the Rules of the Ingham County Drain Commissioner, 2005 Edition, and Supplemental Standards No. 3 are hereby revised and amended as follows:

**PART 3: DESIGN CRITERIA FOR STORMWATER MANAGEMENT SYSTEMS**

**SECTION 3: Retention and Detention Systems**

Section 3: A Paragraphs 1. through 5. and 6.a., 6.b., 6.c., 6.e. and 6.f. remain unchanged.

Revise Section 3: A, Paragraph 6.d. to read as follows:

d. The volume and storage provided for controlling the bankfull flood will be equal to or in excess of the runoff from a 2.0-year/24-hour storm, as calculated pursuant to the [Michigan Department of Natural Resources' Stormwater Runoff Volume Control Calculation Spreadsheet](#), as amended or updated.



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Dated this 28<sup>th</sup> day of September, 2021.