

# 2024 Revisions to Sewer and Stormwater Requirements

Noted below are the significant revisions to the following documents issued by the City of Chicago Department of Water Management in August 2024.

*2024 Regulations for Sewer Construction and Stormwater Management, August 2024*

*Stormwater Management Ordinance Manual, August 2024*

Chicago Stormwater Spreadsheet Tool, Revision 5.1, **Effective 02-01-2025**

Outlet Capacity Maps, Dated 01-11-2023

These documents are available at the website of the Department of Water Management ([www.cityofchicago.org/water](http://www.cityofchicago.org/water) > [under Featured Services and Programs, select:] Sewer Regulations)

## 2023 Regulations for Sewer Construction and Stormwater Management

| Chapter | Section        | Section Title                                   | Revision  |
|---------|----------------|---|---|
| II      | 2.1.1          | Plan Requirements                               | Various additional plan requirements are added related to vacated or closed streets and sewer ownership.  |
| II      | 2.1.2 to 2.1.3 | Stormwater Calculations and Other Documentation | Requirements are listed for electronic submittals.  |
| II      | 3.1            | Grading and Drainage Requirements               | Slope requirements are clarified for gutters, pavement and stormwater BMPs such as permeable pavement. Applicability to gas stations is clarified.  |
| II      | 3.2.1          | Sewer Pipe Material                             | Sewer/water separation requirements and pipe material requirements are clarified.   |
| II      | 3.3.1          | Structure Spacing                               | Structure spacing requirements are added for 4" to 8" pipes.  |
| II      | 3.3.3          | Intercepting Grease Basins                      | Grease basin requirements for residential buildings with more than 6 units and townhouses are eliminated.   |
| II      | 3.4            | Connections to City Sewers                      | Private drain connections to City catch basins, manholes and manhole risers are prohibited. Connections to manhole bases due to utility conflicts can be considered with prior DWM approval. No new connections to public sewers within easements are permitted.        |
| II      | 3.4.2          | Connections for Sites Larger Than 0.5 Acres     | A separate sanitary connection may be considered if the DWF comprises as significant portion of the maximum release rate or if site constraints require it.   |
| II      | 3.4.4          | Re-Use of Existing Connections                  | The possibility of reinstating an existing connection must be verified for compliance with IEPA Title 35 requirements.  |
| II      | 3.4.5          | Connection Sizing                               | Nothing in Appendix II-D shall be understood to require downsizing of a sewer connection in the direction of flow.  |
| II      | 3.5            | Dry Weather Flows                               | Requirements for sites with an average DWF that exceeds the release rate have been clarified.   |
| II      | 4.0.1          | Right of Way As-Built Plans                     | More detailed as-built plan requirements are added.   |
| III     | 2.0            | Design Submittals                               | Hardcopy submittals have been eliminated.   |
| III     | 2.0.5          | As-Built Plans                                  | More detailed as-built plan requirements are added.   |
| III     | 3.1.3          | Open Space Discharging to Combined Sewers       | Regulations are revised to clarify that resurfacing is considered maintenance and not ground disturbance that would trigger rate control and volume control requirements. Full-depth pavement reconstruction will trigger rate control and volume control requirements. |
| III     | 3.1.4          | Direct Discharging Into Waters                  |   |
| III     | 3.2            | Rate Control BMPs (Restrictors)                 | Requirements for custom vortex restrictors are listed.  |
| III     | 3.2            | Rate Control BMPs (Detention Vaults)            | Detention vaults under buildings must be water tight. Vaults must be made of concrete--cast-in-place vault, pre-cast vault, or RCP.   |
| III     | 3.2            | Rate Control BMPs (Rooftop Detention)           | Minimum orifice size for restricted roof drains is 0.75 inches.   |
| III     | 3.4.5          | Maximum Release Rate                            | Unless otherwise approved by DWM, the proposed discharge rate from a site must be less than or equal to the existing discharge rate, considering the size of the existing sewer connection(s).  |
| III     | 3.6            | Restrictor Calculations                         | The language here regarding the 4-inch vortex restrictor is removed, and the requirements for custom vortex restrictors are listed.   |

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|----------------------|-----|---|--|
| III                  | 3.7 | Required Storage                              | <b>Bulletin 75 rainfall intensities are required for first-time submittals on or after 09-01-2023.</b>   |
| III                  | 4.2 | Volume Control BMPs                           | Infiltration BMPs under buildings are prohibited.  |
| III                  | 4.2 | Volume Control BMPs (Bioinfiltration Systems) | If the lowest underdrain invert under a bioinfiltration system is less than 1 foot above the crown of the combined outlet sewer, a check valve must be installed to prevent combined sewage from backing up into the bioinfiltration system. |
| III                  | 4.2 | Volume Control BMPs (Permeable Paving)        | Aggregate material shall be surrounded by filter fabric on the bottom and sides but not the top.   |
| III                  | 4.2 | Volume Control BMPs (Permeable Paving)        | If the lowest underdrain invert under permeable pavement is less than 1 foot above the crown of the combined outlet sewer, a check valve must be installed to prevent combined sewage from backing up into the permeable pavement.           |
| Appendix II-A Part 1 |     | Standard Details                              | Standard Details have been renumbered and have experienced minor revisions.  |
| Appendix II-A Part 2 |     | Standard Details                              | Detail A.107 Private Storm Outfall Sign on Waterways revised to list private owner's phone number.   |
| Appendix II-E        |     | Existing Facilities Protection                | Reference the revised EFP Manual.  |
| Appendix III-B       |     | Chicago Rainfall Intensities                  | The rainfall intensities have been updated to ISWS Bulletin 75 for Northeast Illinois.   |

#### Stormwater Management Ordinance Manual

| Chapter    | Section   | Section Title                                   | Revision  |
|------------|-----------|---|---|
| 1          | 1.6       | Applicability of Performance Standards          | This section was updated to clarify that resurfacing is not considered ground disturbance that would trigger rate control or volume control requirements.                           |
| 1          | Table 1-1 | Performance Standards Applicability             | This section was updated to clarify that partial-depth milling and resurfacing is not considered ground disturbance that would trigger rate control or volume control requirements. |
| Appendix A | Table B-1 | City of Chicago Rainfall Intensities and Depths | Updated to Bulletin 75.   |
| Appendix D |           | Case Studies                                    | Case studies have been updated to reflect Bulletin 75 intensities.  |

#### Chicago Stormwater Spreadsheet Tool, Revision 5.1, Effective 09-01-2023

|  | Tab   | Section Title                                      | Revision  |
|--|-------|--|---|
|  | 1.0   | Rate Control                                       | The rainfall intensities have been updated to Bulletin 75 for Northeast Illinois. |
|  | 2.1.9 | Oversized Detention                                |   |
|  | 3.1   | Exceed Rate Control                                |   |
|  | IDF   | City of Chicago Intensity-Duration-Frequency Curve |   |