



# City of Madison

City of Madison  
Madison, WI 53703  
www.cityofmadison.com

## Master

**File Number: 84571**

**File ID:** 84571

**File Type:** Ordinance

**Status:** Report of Officer

**Version:** 3

**Reference:**

**Controlling Body:** BOARD OF PUBLIC WORKS

**File Created Date :** 07/25/2024

**File Name:** Infiltration Requirements

**Final Action:**

**Title:** SECOND SUBSTITUTE: Amending Section 37.09(3)(e)1 of the Madison General Ordinances to establish soil infiltration design standards.

**Notes:** 6886InfiltrationRequirements

**Sponsors:** John P. Guequierre

**Effective Date:**

**Attachments:** 84571-Version 1, 84571-Version 2.pdf, 84517 Email Correspondence.pdf, Infiltration Requirements-Full Context.pdf

**Enactment Number:**

**Author:** Doran Viste

**Hearing Date:**

**Entered by:** mglaeser@cityofmadison.com

**Published Date:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Attorney's Office	07/25/2024	Referred for Introduction				
	<b>Action Text:</b>	This Ordinance was Referred for Introduction					
	<b>Notes:</b>	Board of Public Works (8/28/24), Common Council (9/10/24)					
1	COMMON COUNCIL	08/06/2024	Refer	BOARD OF PUBLIC WORKS		08/28/2024	Pass
	<b>Action Text:</b>	A motion was made by Figueroa Cole, seconded by Duncan, to Refer to the BOARD OF PUBLIC WORKS. The motion passed by voice vote/other.					
2	BOARD OF PUBLIC WORKS	08/28/2024	RECOMMEND TO COUNCIL WITH THE FOLLOWING RECOMMENDATIO NS - REPORT OF OFFICER				Pass
	<b>Action Text:</b>	A motion was made by Ald. Guequierre, seconded by Kliems, to RECOMMEND TO COUNCIL WITH THE FOLLOWING RECOMMENDATIONS to refer back to Board of Public Works on 9/11/24- REPORT OF OFFICER. The motion passed by voice vote/other.					
	<b>Notes:</b>	A motion was made by Ald. Guequierre, seconded by Kliems, to RECOMMEND TO COUNCIL WITH THE FOLLOWING RECOMMENDATIONS to refer back to Board of Public Works on 9/11/24- REPORT OF OFFICER. The motion passed by voice vote/other.					

### Text of Legislative File 84571

#### [Fiscal Note](#)

No appropriation required.

**Title**

SECOND SUBSTITUTE: Amending Section 37.09(3)(e)1 of the Madison General Ordinances to establish soil infiltration design standards.

**Body**

DRAFTER'S ANALYSIS: Under the City's existing ordinances, certain types of land development are required to get a stormwater management permit. As a condition of such permits, the applicant must submit a stormwater management plan documenting the system(s) and measures proposed to control stormwater runoff from the site. Consistent with State law, the City has established stormwater management performance standards, including requirements relating to infiltration of stormwater when 20,000 square feet or more of new impervious area is created. **These standards apply to all plats, Certified Survey Maps, development, and redevelopment projects which create a cumulative total of twenty thousand (20,000) square feet or more of new impervious area since October 1, 2004.** Infiltration refers to any precipitation that does not leave the site as runoff. Under this ordinance, technical standards for infiltration are being added to the City's standards applicable to all developments where infiltration is required, which change would require the infiltration design to utilize the best on-site soils for this purpose.

This substitute updates the infiltration standards to make them more clear and specific.

This second substitute makes further changes to these updated standards, including adding a delayed effective date of April 1, 2025.

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The Common Council of the City of Madison do hereby ordain as follows:

1. Paragraph 1 entitled "All Developments" of Subdivision (e) entitled "Infiltration" of Subsection (3) entitled "Stormwater Management Performance Standards" of Section 37.09 entitled "Stormwater Management Plan Requirements" of the Madison General Ordinances is amended as follows:

"1. All Developments. Developments within the City of Madison, regardless of development type, Development applications received by the Planning Division shall be required to infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least ninety percent (90%) of the pre-development infiltration volume, based on an average annual rainfall, regardless of area necessary for this requirement. Should the applicant prove to not be able to meet the infiltration requirement without dedicating more than two percent (2%) of the site area for this purpose, they may optionally choose to meet the secondary recharge standard. In accordance with Wisconsin DNR Post Construction Technical Standard 1002 (Site evaluation for stormwater infiltration), upon completion of site investigation (borings/pits) the infiltration system shall be designed to utilize the on-site soils having the highest design infiltration rate to meet their requirements for stormwater infiltration not be placed into amended or unamended loam (0.24 in/hr) or more restrictive soils if less restrictive unamended soils are available, without pumping onsite. Furthermore, infiltration of chloride laden water shall not be allowed in soil with more than 5% P200 material readily available. Siting the location of the infiltration practices shall not interfere with other ordinances and pumping water shall not be required to meet this standard. Should the applicant prove to not be able to meet the infiltration requirement without dedicating more than two percent (2%)

of the site area for this purpose, they may optionally choose to meet the secondary recharge standard.”

2. This ordinance will be effective on April 1, 2025.