

ORDINANCE NO. O-2022-xx

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF WHEATON

CHAPTER 34 – STORMWATER MANAGEMENT REGULATIONS

WHEREAS, the City of Wheaton (“City”) is an Illinois Home Rule Municipality pursuant to provisions of Article VII, Section 6 of the Illinois Constitution, and as such the City may exercise any power and perform any function pertaining to its government and affairs; and

WHEREAS, the subject matter of this ordinance pertains to the government and affairs of the City and its residents; and

WHEREAS, the Corporate authorities of the City of Wheaton find that it is in the best interest of its residents to have and maintain standards regulating and governing the construction and maintenance of all property, buildings, and structures to ensure that they are safe, sanitary, and fit for occupation and use; and

WHEREAS, the City Staff has carefully evaluated the City Code and believes certain amendments are appropriate given current standard construction practices.

NOW THEREFORE BE ORDAINED by the Mayor and City Council of the City of Wheaton, DuPage County, Illinois that the Wheaton City Code is hereby amended to provide as follows:

SECTION 1: That Chapter 34, Stormwater Management Regulations, Article IV.-Stormwater runoff Control, Section 34-98 (4) is hereby repealed and rescinded in its entirety and replaced with the following:

(4) Non-single-family residential development greater than one acre and all single-family residential development greater than two and one-half acres.

Site runoff storage volume shall be calculated as the volume required to store a 24-hour duration ISWS Bulletin 75 rainfall depth, 100-year rainfall event using a Huff Rainfall Distribution and assuming a control structure that limits the peak runoff from the development site to 0.15 cubic feet per second (cfs) per acre restrictor for the development area.

Restrictor size shall be calculated as $(0.15 \text{ cfs}) \times (\text{Acres of development})$

SECTION 2: That Chapter 34, Stormwater Management Regulations, Article IV.-Stormwater runoff Control, Section 34-100 is hereby repealed and rescinded in its entirety and replaced with the following:

Section 34-100

Outlet control structures shall be designed in accordance with the city storm sewer restrictor detail. Outlet control structures shall be maintenance free and shall be designed for a free discharge that will not cause surcharge of a storm sewer system immediately downstream of

the discharge point. Each stormwater storage area shall be provided with a method of emergency overflow in the event that a storm in excess of the 100-year frequency storm occurs. This emergency overflow facility shall be designed to function without attention, as per the City overflow weir detail, and shall become part of the natural or surface channel system described in section 34-99. Stormwater storage facilities shall provide one foot freeboard surrounding the entire facility measured from the top of the concrete overflow weir plus one foot to ensure that when an overflow event occurs it is managed over the designed overflow weir.

The maximum depth of site runoff storage facilities shall not exceed four feet unless the existing natural ground contours and other conditions lend to a greater storage depth being approved by the director of engineering.

The minimum grades for turf areas shall be two percent. Side slopes shall be kept as close to the natural land contours as practical and a 25-percent slope or less shall be used wherever possible. If slopes greater than 25 percent are necessary to meet storage requirements or area restrictions, approval shall be obtained from the director of engineering.

Paved surfaces that serve as site runoff storage facilities shall have minimum grades of one percent, unless permeable pavement is used and shall be restricted to storage depths of one foot maximum.

Maximum grades for paved surfaces shall not exceed five percent.

Available site runoff storage volume shall be computed as the free and unobstructed space between the paved surface final grade and a horizontal plane at the elevation of the surface water runoff overflow plus the free and unobstructed volume of any underground storage controlled by the restricting orifice. No site runoff storage in stone voids is allowed. The available site runoff storage volume shall equal or exceed the required retention volume. The required retention for the parking lot may be combined with other retention facilities required for the development.

SECTION 3. All ordinances or parts of ordinances in conflict with these provisions are repealed.

SECTION 4. This ordinance shall become effective from and after its passage, approval, and publication in the manner prescribed by law and shall become effective March 21, 2022.

Mayor

ATTEST:

City Clerk

Roll Call Vote:

Ayes:

Nays:

Absent:

Passed:

Published: