

ORDINANCE NO. 2024- 36

**ORDINANCE AMENDING ORDINANCE 86-64, AS
AMENDED, CHAPTER 425, SECTION 425-72 OF
THE CODE OF THE CITY OF VINELAND
ENTITLED STORMWATER CONTROL**

WHEREAS, the Planning Board of the City of Vineland has reviewed and provided comments regarding the proposed amendments to the City's Land Use Ordinance with regards to stormwater control as a result of the new regulations implemented by the New Jersey Department of Environmental Protection (DEP); and

WHEREAS, on June 10, 2024, the Planning Board heard testimony from Ryan Headley, PE, PP, AICP, CME recommending the Planning Board must submit a resolution to City Council with proposed amendments to the municipal land use law consistent with the DEP requirements and adopted Resolution No. 6646, a copy which is attached hereto and made a part hereon.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Vineland that Chapter 425, Section 425-72 of the Code of the City of Vineland be revised as follows:

SECTION 1: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, is hereby amended by revising subsection A(3) as follows:

(a)– (b) (No change).

(c) An application required by ordinance pursuant to (3)(a) above that has been submitted prior to July 17, 2024, shall be subject to the stormwater management requirements in effect on July 16, 2024.

(d) An application required by ordinance for approval pursuant to (3)(a) above that has been submitted on or after March 2, 2021, but prior to July 17, 2024, shall be subject to the stormwater management requirements in effect on July 16, 2024.

(e) Notwithstanding any rule to the contrary, a major development for any public roadway or railroad project conducted by a public transportation entity that has determined a preferred alternative or reached an equivalent milestone before July 17, 2023, shall be subject to the stormwater management requirements in effect prior to July 17, 2023.

SECTION 2: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, is hereby amended by adding definitions to subsection B in alphabetical order and as follows:

PUBLIC ROADWAY OR RAILROAD

A pathway for use by motor vehicles or trains that is intended for public use and is constructed by, or on behalf of, a public transportation entity. A public roadway or railroad does not include a roadway or railroad constructed as part of a private development, regardless of whether the roadway or railroad is ultimately to be dedicated to and/or maintained by a governmental entity.

PUBLIC TRANSPORTATION ENTITY

A Federal, State, county, or municipal government, an independent State authority, or a statutorily authorized public-private partnership program pursuant to P.L. 2018, c. 90 (N.J.S.A. 40A:11-52 et seq.), that performs a public roadway or railroad project that includes new construction, expansion, reconstruction, or improvement of a public roadway or railroad.

SECTION 3: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, is hereby amended by revising subsection D as follows:

- (1) (No Change).
- (2) Delete in its entirety
- (3) – (5) Renumber accordingly to (2) through (4).
- (6) Renumber accordingly to (5) and revise as follows:

Tables 1 through 3 below summarize the ability of stormwater best management practices identified and described in the New Jersey Stormwater Best Management Practices Manual to satisfy the green infrastructure, groundwater recharge, stormwater runoff quality and stormwater runoff quantity standards specified in Subsection D(16), (17), (18), and (19). When designed in accordance with the most current version of the New Jersey Stormwater Best Management Practices Manual, the stormwater management measures found at N.J.A.C. 7:8-5.2(f), Tables 5-1, 5-2 and 5-3, and listed below in Tables 1, 2 and 3 are presumed to be capable of providing stormwater controls for the design and performance standards as outlined in the tables below. Upon amendments of the New Jersey Stormwater Best Management Practices to reflect additions or deletions of BMPs meeting these standards, or changes in the presumed performance of BMPs designed in accordance with the New Jersey Stormwater BMP Manual, the Department shall publish in the New Jersey Registers a notice of administrative change revising the applicable table. The most current version of the BMP Manual can be found on the Department's website at https://njstormwater.org/bmp_manual2.htm. ~~https://dep.nj.gov/stormwater/bmp-manual/.~~

- (7) – (16) Renumber accordingly to (6) though (15)
- (17) Renumber accordingly to (16) and revise as follows:

- (a) (No change).
- (b) (No change).
- [1] (No change).
- [2] Demonstrate through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the projected 2-year storm, as defined and determined pursuant to Section E(5) of this ordinance, is infiltrated.
- (c) (No change).
- (d) The following types of stormwater shall not be recharged:
 - [1] Stormwater from areas of high pollutant loading. High pollutant loading areas are areas in industrial and commercial developments where solvents and/or petroleum products are loaded/unloaded, stored, or applied, areas where pesticides are loaded/unloaded or stored; areas where hazardous materials are expected to be present in greater than “reportable quantities” as defined by the United States Environmental Protection Agency (EPA) at 40 CFR 302.4; areas where recharge would be inconsistent with Department approved remedial action work plan approved pursuant to the

Administrative Requirements for the Remediation of Contaminated Sites rules, N.J.A.C. 7:26C, or Department landfill closure plan and areas; and areas with high risks for spills of toxic materials, such as gas stations and vehicle maintenance facilities; and

[2] (No change).

(e) (No change).

(18) Renumber accordingly to (17).

(19) Renumber accordingly to (18) and revise as follows:

(a) (No change).

(b) (No change).

[1] Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, post-construction runoff hydrographs for the current and projected 2-, 10-, and 100-year storm events, as defined and determined in Section E(4) and E(5), respectively, of this ordinance, do not exceed, at any point in time, the pre-construction runoff hydrographs for the same storm events;

[2] Demonstrate through hydrologic and hydraulic analysis that there is no increase, as compared to the pre-construction condition, in the peak runoff rates of stormwater leaving the site for the current and projected 2-, 10-, and 100-year storm events, as defined and determined pursuant to Section E(4) and E(5), respectively, of this ordinance, and that the increased volume or change in timing of stormwater runoff will not increase flood damage at or downstream of the site. This analysis shall include the analysis of impacts of existing land uses and projected land uses assuming full development under existing zoning and land use ordinances in the drainage area;

[3] Design stormwater management measures so that the post-construction peak runoff rates for the current and projected 2-, 10-, and 100-year storm events, as defined and determined in Section E(4) and E(5), respectively, of this ordinance, are 50, 75 and 80 percent, respectively, of the pre-construction peak runoff rates. The percentages apply only to the post-construction stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed; or

[4] (No change).

(c) (No change).

SECTION 4: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, is hereby amended by revising subsection E as follows:

(1) (No change).

(a) The design engineer shall calculate runoff using ~~one of~~ the following methods:

[1] The USDA Natural Resources Conservation Service (NRCS) methodology, including the NRCS Runoff Equation and Dimensionless Unit Hydrograph, as described in Chapters 7, 9, 10, 15 and 16, Part 630, Hydrology National Engineering Handbook, incorporated herein by reference as amended and supplemented. This methodology is additionally described in Technical Release 55 - Urban Hydrology for Small Watersheds (TR-55), dated June 1986, incorporated herein by reference as amended and supplemented. Information regarding the methodology is available from the Natural Resources Conservation Service website at https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1044171.pdf

<https://directives.sc.egov.usda.gov/viewerFS.aspx?hid=21422> or at United States Department of Agriculture Natural Resources Conservation Service, ~~220 Davison Avenue, Somerset, New Jersey 08873;~~ or New Jersey State Office.

[2] Delete in its entirety.

- (b) For the purpose of calculating ~~runoff coefficients~~ curve numbers and groundwater recharge, there is a presumption that the preconstruction condition of a site or portion thereof is a wooded land use with good hydrologic condition. The term "~~runoff coefficient~~ curve number" applies to both the NRCS methodology above at Subsection E(1)(a)[1] ~~and the Rational and Modified Rational Methods at Subsection E(1)(a)[2].~~ A ~~runoff coefficient~~ curve number or a groundwater recharge land cover for an existing condition may be used on all or a portion of the site if the design engineer verifies that the hydrologic condition has existed on the site or portion of the site for at least five years without interruption prior to the time of application. If more than one land cover ~~have~~ has existed on the site during the five years immediately prior to the time of application, the land cover with the lowest runoff potential shall be used for the computations. In addition, there is the presumption that the site is in good hydrologic condition (if the land use type is pasture, lawn, or park), with good cover (if the land use type is woods), or with good hydrologic condition and conservation treatment (if the land use type is cultivation).
- (c) (No change).
- (d) (No change).
- (e) (No change).
- (2) (No change).
- (3) (No change).
- (4) The precipitation depths of the current two-, 10-, and 100-year storm events shall be determined by multiplying the values determined in accordance with items (a) and (b) below:
- (a) The applicant shall utilize the National Oceanographic and Atmospheric Administration (NOAA), National Weather Service’s Atlas 14 Point Precipitation Frequency Estimates: NJ, in accordance with the location(s) of the drainage area(s) of the site. This data is available at: https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=nj; and
- (b) The applicant shall utilize Table 5: Current Precipitation Adjustment Factors below, which sets forth the applicable multiplier for the drainage area(s) of the site, in accordance with the county or counties where the drainage area(s) of the site is located. Where the major development lies in more than one county, the precipitation values shall be adjusted according to the percentage of the drainage area in each county. Alternately, separate rainfall totals can be developed for each county using the values in the table below.

Table 5: Current Precipitation Adjustment Factors

<u>County</u>	<u>Current Precipitation Adjustment Factors</u>		
	<u>2-year Design Storm</u>	<u>10-year Design Storm</u>	<u>100-year Design Storm</u>
<u>Cumberland</u>	<u>1.03</u>	<u>1.03</u>	<u>1.01</u>

- (5) Table 6: Future Precipitation Change Factors provided below sets forth the change factors to be used in determining the projected two-, 10-, and 100-year storm events for use in this chapter, which are organized alphabetically by county. The precipitation depth of the projected two-, 10-, and 100-year storm events of a site

shall be determined by multiplying the precipitation depth of the two-, 10-, and 100-year storm events determined from the National Weather Service’s Atlas 14 Point Precipitation Frequency Estimates pursuant to (4)(a) above, by the change factor in the table below, in accordance with the county or counties where the drainage area(s) of the site is located. Where the major development and/or its drainage area lies in more than one county, the precipitation values shall be adjusted according to the percentage of the drainage area in each county. Alternately, separate rainfall totals can be developed for each county using the values in the table below.

Table 6: Future Precipitation Change Factors

County	Future Precipitation Change Factors		
	<u>2-year Design Storm</u>	<u>10-year Design Storm</u>	<u>100-year Design Storm</u>
<u>Cumberland</u>	<u>1.20</u>	<u>1.21</u>	<u>1.39</u>

SECTION 5: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, is hereby amended by revising subsection F as follows:

- (1) Technical guidance for stormwater management measures can be found in the documents listed below, which are available to download from the Department's website at http://www.nj.gov/dep/stormwater/bmp_manual2.htm
<https://dep.nj.gov/stormwater/bmp-manual/>.
 - (a) (No change).
 - (b) Additional maintenance guidance is available on the Department's website at https://www.njstormwater.org/maintenance_guidance.htm.
<https://dep.nj.gov/stormwater/maintenance-guidance/>.
- (2) Submissions required for review by the Department should be mailed to: ~~The Division of Water Quality, New Jersey Department of Environmental Protection, Mail Code 401-02B, PO Box 420, Trenton, New Jersey 08625-0420~~
The Division of Watershed Protection and Restoration, New Jersey Department of Environmental Protection, Mail Code 501-02A, PO Box 420, Trenton, New Jersey 08625-0420.

SECTION 6: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, is hereby amended by revising subsection H(3)(b)[2] as follows:

- [2] The overflow grate spacing shall be no ~~less~~ greater than two inches across the smallest dimension.

SECTION 7: Chapter 425, Land Use, Article VII. Design Standards, Section 425-72, Stormwater Control, subsection J(3)(b) shall be deleted in its entirety and replaced as follows:

- (b) A written and graphic description of the natural and man-made features of the site and its surroundings should be submitted. This description should include a discussion of soil conditions, slopes, wetlands, waterways and vegetation on the site. Particular attention should be given to unique, unusual, or environmentally sensitive features and to those that provide particular opportunities or constraints for development.

THE REVISIONS TO SECTION 425-72. STORMWATER CONTROL SHALL BE IN FULL FORCE AND EFFECT FROM JULY 17TH, 2024 AS REQUIRED BY LAW.

ALL OF WHICH IS ADOPTED THIS 9th DAY OF July, 2024, BY THE CITY COUNCIL OF THE CITY OF VINELAND.

Passed first reading: June 25, 2024

Passed final reading: July 9, 2024

President of Council eaa

Approved by the Mayor:

Mayor arf

ATTEST:

City Clerk kp