

## Chapter 174. Stormwater Control

### Article II. Private Storm Drain Inlet Retrofitting

[Added 2-17-2010 by Ord. No. 2010-01]

#### § 174-14. Purpose.

An article requiring the retrofitting of existing storm drain inlets which are in direct contact with repaving, repairing, reconstruction, or resurfacing or alterations of facilities on private property, to prevent the discharge of solids and floatables (such as plastic bottles, cans, food wrappers and other litter) to the municipal separate storm sewer system(s) operated by the Township of Maple Shade so as to protect public health, safety and welfare, and to prescribe penalties for the failure to comply.

#### § 174-15. Definitions.

For the purpose of this article, the following terms, phrases, words, and their derivations shall have the meanings stated herein unless their use in the text of this article clearly demonstrates a different meaning. When not inconsistent with the context, words used in the present tense include the future, words used in the plural number include the singular number, and words used in the singular number include the plural number. The word "shall" is always mandatory and not merely directory.

##### **MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)**

A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is owned or operated by the Township of Maple Shade and is designed and used for collecting and conveying stormwater.

##### **PERSON**

Any individual, corporation, company, partnership, firm, association, or political subdivision of this state subject to municipal jurisdiction.

##### **STORM DRAIN INLET**

An opening in a storm drain used to collect stormwater runoff and includes, but is not limited to, a grate inlet, curb-opening inlet, slotted inlet, and combination inlet.

##### **WATERS OF THE STATE**

The ocean and its estuaries, all springs, streams and bodies of surface water or groundwater, whether natural or artificial, within the boundaries of the State of New Jersey or subject to its jurisdiction.

#### § 174-16. Prohibited conduct.

No person in control of private property (except a residential lot with one single-family house) shall authorize the repaving, repairing (excluding the repair of individual potholes), resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen), reconstructing or altering any surface that is in direct contact with an existing storm drain inlet on that property unless the storm drain inlet either:

- A. Already meets the design standard in § 174-17 below to control passage of solid and floatable materials; or
- B. Is retrofitted or replaced to meet the standard in § 174-17 below prior to the completion of the project.

#### § 174-17. Design standard.

Storm drain inlets identified in § 174-15 above shall comply with the following standard to control passage of solid and floatable materials through storm drain inlets. For exemptions to this standard see § 174-17C below.

##### A. Grates.

- (1) Either of the following grates shall be used whenever a grate located in pavement or other ground surface is used to collect stormwater from that surface and discharge into a storm drain or surface water body under that grate:
  - (a) The New Jersey Department of Transportation (NJDOT) bicycle safe grate, which is described in Chapter 2.4 of the NJDOT Bicycle Compatible Roadways and Bikeways Planning and Design Guidelines (April 1996); or
  - (b) A different grate, if each individual clear space in that grate has an area of no more than 7.0 square inches, or is no greater than 0.5 inch across the smallest dimension.

- (2) Examples of grates subject to this standard include grates in grate inlets, the grate portion (non-curb-opening portion) of combination inlets, grates on storm sewer manholes, ditch grates, trench grates, and grates of spacer bars in slotted drains. Examples of ground surfaces include surfaces of roads (including bridges), driveways, parking areas, bikeways, plazas, sidewalks, lawns, fields, open channels, and stormwater basin floors.

##### B. Curb-opening inlets shall have a curb-opening area of no more than 7.0 square inches, or be no greater than 2.0 inches across the smallest dimension.

##### C. This standard does not apply:

- (1) In new development or redevelopment projects where the municipal engineer determines that this standard would cause inadequate hydraulic performance that could not practicably be overcome by using additional or larger storm drain inlets that meet these standards;
- (2) In the retrofitting of existing storm drain inlets where the municipal engineer determines that this standard would cause inadequate hydraulic performance.
- (3) Where flows from the water quality storm as specified in N.J.A.C. 7:8 are conveyed through any device (e.g., end of pipe netting facility, manufactured treatment device, or a catch basin hood) that is designed, at a minimum, to prevent delivery of all solid and floatable materials that could not pass through one of the following:
  - (a) A rectangular space 4 5/8 inches long and 1 1/2 inches wide (This option does not apply for outfall netting facilities.); or
  - (b) A bar screen having a bar spacing of 0.5 inch.
- (4) Where flows are conveyed through a trash rack that has parallel bars with one-inch spacing between the bars to the elevation of the water quality storm as specified in N.J.A.C. 7:8; or
- (5) Where the New Jersey Department of Environmental Protection determines, pursuant to the New Jersey Register of Historic Places Rules at N.J.A.C. 7:4-7.2(c), that action to meet this standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register-listed historic property.

#### § 174-18. Enforcement.

This article shall be enforced by the Zoning Officer of the Township of Maple Shade.

#### § 174-19. Violations and penalties.

Any person who is found to be in violation of the provisions of this article shall be subject to a fine for each storm drain inlet that is not retrofitted to meet the design standard, such fine to be established in accordance with §§ 1-15 through 1-17 of the Township Code.