Ordinances related to minimizing stormwater pollution						
NJDEP Ordinance Category	Township Ordinance	Description				
Pet Waste	74-9 Signage, fines for improper waste disposal, education distribute license. Minimize pathogen and nutrient loading in waterways.					
Litter	CHAPTER 151	Signage, receptacles provided in public places, fines for littering. Keep litter out of the waterways.				
Improper Waste Disposal	§ 283-17 — § 283-22	prohibit the improper spilling, dumping, or disposal of materials other than stormwater in to storm drain.				
improper waste disposal		Allows: residential car washing water, and residential swimming pool discharges;				
Wildlife feeding	174-3.1	prohibits the feeding in any public park or on any other property owned or operated by the Municipality of any wildlife. Can lead to unnatural numbers causing erosion, nutrient overload and disease.				
Yard waste	§ 220-8 — § 220-12	collection program in place. Limit organic material that makes it to waterways.				
Illicit connection	§ 283-12 — § 283-16	No direct discharge of wastewater to storm drains.				
Fertilizer	No	Not mandated by permit. New Jersey has a new fertilizer law: <a href="http://snyderfarm.rutgers.edu/fertilizerlawFAQ.html">http://snyderfarm.rutgers.edu/fertilizerlawFAQ.html</a> Keep artificial nutrients out of the waterways.				
Private storm drain inlet retrofitting	142-36.1	e.g., NJDOT bicycle safe grate style and a curb opening with a clear space no bigger than two inches across the smallest dimension to keep debris from entering system				
refuse containers/dumpsters	142-36.2 Enforce proper use and maintenance of refuse containers.					
Stormwater Management Best Management Practice	142-36	Applies to development approvals for subdivisions and site plans to address stormwater runoff from new development and redevelopment projects. Includes O&M rules. Intended to minimize stormwater flow and pollution.				

### § 74-9 <u>Leashing of dogs required; curbing of dogs; cleanup.</u>

[Amended by Ord. No. 93-16]

A.

Leashing of dogs. No person owning, keeping or harboring any dog shall suffer or permit it to be upon the public streets or in any of the public places of the Township unless such dog is securely confined and controlled by a visible leash not more than six feet long.

В.

Nuisances prohibited; curbing of dogs; responsibility of owner. No person owning or in charge of any dog shall allow such dog to defecate upon any public or private property whatsoever, except with the express authority or permission of the owner of the property. The restriction in this subsection shall not apply to the portion of the street lying between the curblines which may be used to curb such dogs, provided that the person who so curbs such dog shall immediately remove all feces deposited by such dog by placing the feces in a closed bag or other container and depositing the same in a trash receptacle located on his/her own or on public property and only in such receptacles.

<u>C.</u>

Violation of this section shall be dealt with in accordance with §§ 74-10 and 74-15.

# ASSEMBLY, No. 3226

# STATE OF NEW JERSEY

## 209th LEGISLATURE

**INTRODUCED FEBRUARY 5, 2001** 

Sponsored by:

Assemblyman JOSEPH AZZOLINA
District 13 (Middlesex and Monmouth)
Assemblyman SAMUEL D. THOMPSON
District 13 (Middlesex and Monmouth)

### **SYNOPSIS**

Increases penalties for littering.

### **CURRENT VERSION OF TEXT**

As introduced.

1 **AN ACT** concerning penalties for littering and amending P.L.1985, c.533.

3

4 **BE IT ENACTED** by the Senate and General Assembly of the State of New Jersey:

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- 7 1. Section 8 of P.L.1985, c.533 (C.13:1E-99.3) is amended to read 8 as follows:
- 9 8. a. A person who throws, drops, discards or otherwise places 10 any litter of any nature upon public or private property other than in 11 a litter receptacle commits a petty disorderly persons offense, and notwithstanding the provisions of N.J.S.2C:43-3 to the contrary, for 12 13 every such offense shall be fined not less than \$100 or more than \$500. 14 The Superior Court and every municipal court shall have jurisdiction to enforce this section. The State or any municipality may institute 15 proceedings under this section. If a money judgment is rendered 16 17 against a defendant, the payment made to the court shall be remitted 18 to the chief financial officer of the municipality wherein the violation 19 occurred, to be used by the municipality to help finance litter control 20 activities in addition to or supplementing existing litter pickup and

removal activities in the municipality.

- b. If a person violates subsection a. of this section the court, in addition to any penalty imposed under that subsection, may direct the person to perform community service, including litter pickup and removal from any public property, or any private property with permission of the owner, upon which the person deposited litter, for a term of not less than 20 hours nor more than 40 hours.
- 28 c. A person who is convicted of an offense under subsection a. of 29 this section within [one year of] six months after the date of a 30 previous conviction thereunder shall be sentenced to pay a fine not less 31 than \$250 or more than \$1,000, may be sentenced to imprisonment for 32 a definite term not to exceed 60 days, [may in addition be sentenced to pay a fine not to exceed \$1,000] and may be directed to perform 33 community service, including litter pickup and removal from any 34 35 public property or from any private property if permission of the 36 owner has been granted, for a term of not less than 40 nor more than 37 80 hours.
- 38 (cf: P.L.1989, c.108, s.3)

39

2. This act shall take effect on the first day of the third month following enactment.

EXPLANATION - Matter enclosed in bold-faced brackets [thus] in the above bill is not enacted and intended to be omitted in the law.

### A3226 AZZOLINA, THOMPSON

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1	STATEMENT			
2				
3	This bill increases the penalties for littering by establishing a			
4	minimum penalty of \$100 for the offense of littering. Current law			
5	provides that littering is a petty disorderly persons offense but does			
6	not establish a minimum penalty. In addition, current law provides for			
7	the possibility of additional penalties for a second conviction within			
8	one year of the first conviction. This bill establishes a minimum fine			
9	of \$250 for any person convicted of littering within six months after			
10	a previous conviction for littering.			

### CHAPTER 151 LITTERING

[HISTORY: Adopted by the Township of Washington (now Township of Robbinsville) by Ord. No. 94-6 (§ 3-15 of the 2001 Code). Amendments noted where applicable.]

**GENERAL REFERENCES** 

Property maintenance — See Ch. <u>187</u>.

Solid waste — See Ch. 220.

### § 151-1 Definitions.

As used in this chapter, the following terms shall have the meanings indicated:

### **LITTER**

Any used or unconsumed substance or waste material which has been discarded whether made of aluminum, glass, plastic, rubber, paper or other natural or synthetic material, or any combination thereof, including but not limited to any bottle, jar or can, or any top, cap, or detachable tab of any bottle, jar or can, any unlighted cigarette, cigar, match or any flaming or glowing material, or any garbage, trash, refuse, debris, rubbish, grass clippings or magazines, glass, metal, plastic or paper containers or other packaging or construction material; but does not include the waste of the primary processes of mining or other extraction processes, logging, sawmilling, farming or manufacturing.

### § 151-2 Littering prohibited.

It is unlawful for any person to throw, drop, discard or otherwise place litter of any nature upon any public or private property, other than in a litter receptacle.

### § 151-3 Containerization of sweepings.

No person will be permitted to sweep into or deposit in any gutter, street, catch basin or other public place any accumulation of litter from any public or private sidewalk in front of his or her premises free of litter. All litter sweepings must be collected and properly containerized for disposal.

### § 151-4 Open or overflowing waste disposal bins.

It is unlawful for any residential or commercial property owner to permit open or overflowing waste disposal bins on his or her property.

### § 151-5 <u>Construction sites.</u>

It is unlawful for any owner, agent, or contractor in charge of a construction or demolition site to permit the accumulation or litter before, during, or immediately following completion of any construction or demolition project. It is the duty of the owner, agent or contractor in charge of a construction site to furnish containers adequate to accommodate flyable or nonflyable debris or trash at areas convenient to construction areas, and to maintain and empty the receptacles in such a manner and with such a frequency as to prevent spillage of refuse.

### § 151-6 Effective date; filing with County Clerk's office.

This chapter shall be effective upon adoption and publication according to law and shall further be filed with the Mercer County Clerk's office.

### § 151-7 <u>Violations and penalties.</u>

Any person who violates any of the provisions of this chapter shall, upon conviction thereof, be liable to the penalty stated in Chapter 1, Article II, General Penalty.

### ARTICLE IV <u>Improper Disposal of Waste (§ 283-17 — § 283-22)</u>

[Adopted 9-15-2006 by Ord. No. 2006-26]

### § 283-17 <u>Purpose.</u>

The purpose of this article is to prohibit the spilling, dumping, or disposal of materials other than stormwater to the municipal separate storm sewer system (MS4) operated by the Township of Robbinsville, County of Mercer, so as to protect public health, safety and welfare, and to prescribe penalties for the failure to comply.

### § 283-18 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 Robbinsville Township or other public body, and that 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.

### **STORMWATER**

Water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities, or is conveyed by snow removal equipment.

### § 283-19 Prohibited conduct.

The spilling, dumping, or disposal of materials other than stormwater to the municipal separate storm sewer system operated by the Township of Robbinsville, County of Mercer, is prohibited. The spilling, dumping, or disposal of materials other than stormwater in such a manner as to cause the discharge of pollutants to the municipal separate storm sewer system is also prohibited.

### § 283-20 Exceptions to prohibition.

The following are exceptions to the prohibition:



Water line flushing and discharges from potable water sources.

В.

Uncontaminated groundwater (e.g., infiltration, crawl space or basement sump pumps, foundation or footing drains, rising groundwaters).

#### C.

Air-conditioning condensate (excluding contact and noncontact cooling water).

#### D.

Irrigation water (including landscape and lawn watering runoff).

<u>E.</u>

Flows from springs, riparian habitats and wetlands, water reservoir discharges and diverted stream flows.

F.

Residential car washing water, and residential swimming pool discharges.

G.

Sidewalk, driveway and street wash water.

Η.

Flows from fire-fighting activities.

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Rinsing of equipment.

(1)

Flows from rinsing of the following equipment with clean water.

<u>(a)</u>

Beach maintenance equipment immediately following its use for its intended purposes; and

<u>(b)</u>

Equipment used in the application of salt and deicing materials immediately following salt and deicing material applications. Prior to rinsing with clean water, all residual salt and deicing materials must be removed from equipment and vehicles to the maximum extent practicable using dry cleaning methods (e.g., shoveling and sweeping). Recovered materials are to be returned to storage for reuse or properly discarded.

(2)

Rinsing of equipment, as noted in the above situation, is limited to exterior, undercarriage, and exposed parts and does not apply to engines or other enclosed machinery.

### § 283-21 <u>Enforcement.</u>

This article shall be enforced by the Division of Police and/or the Township Engineer of the Township of Robbinsville, County of Mercer.

### § 283-22 Violations and penalties.

Any person(s) who continues to be in violation of the provisions of this article, after being duly notified, shall be subject to the general penalties as set forth in Article II, § 1-4, of the Code of the Township of Robbinsville.

### § 174-3.1 Prohibiting feeding of unconfined wildlife on any Township-owned property.

[Added 11-2-2005 by Ord. No. 2005-36]

A.

Purpose. A section to prohibit the feeding of unconfined wildlife in any public park or on any other property owned or operated by Robbinsville Township, so as to protect public health, safety and welfare, and to prescribe penalties for failure to comply.

В.

Definitions. For the purpose of this section, the following terms, phrases, words and their derivations shall have the meanings stated herein unless their use in the text of this chapter 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.

### **FEED**

To give, place, expose, deposit, distribute or scatter any edible material with the intention of feeding, attracting or enticing wildlife. Feeding does not include baiting in the legal taking of fish and/or game.

### **PERSON**

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

### **WILDLIFE**

All animals that are neither human nor domesticated.

<u>C.</u>

Prohibited conduct: No person shall feed, in any public park or on any other property owned or operated by Robbinsville Township, any wildlife, excluding confined wildlife (for example, wildlife confined in zoos, parks or rehabilitation centers, or unconfined wildlife at environmental education centers).

### <u>D.</u>

**Enforcement:** 

**(1)** 

This section shall be enforced by the Township Police Department of Robbinsville Township and/or other municipal officials of Robbinsville Township.

<u>(2)</u>

Any person found to be in violation of this section shall be ordered to cease the feeding immediately.

<u>E.</u>

Violations and penalties: Any person(s) who is found to be in violation of the provisions of this section shall be subject to a fine not to exceed \$500.

### ARTICLE II Collection of Vegetative Materials (§ 220-8 — § 220-12)

[Adopted by Ord. No. 97-11 (§ 19-2 of the 2001 Code)]

### § 220-8 <u>Purpose.</u>

This article sets forth the procedures for residents desiring to dispose of plants, leaves, bushes, twigs, branches, and other plant materials with the exception of grass clippings.

### § 220-9 <u>Collection schedule.</u>

[Amended 2-28-2008 by Ord. No. 2008-6]



The Township will collect vegetative material between April and October of each year. Leaf collection shall occur during November and December of each year.

### В.

Residents may place vegetative materials at the curbside by the time and date designated by the Director of Public Works.

<u>C.</u>

There shall be no collection of vegetative materials for condominiums and townhouses.

### D.

Brush may be dropped off between November and March at a dropoff location to be determined by the Director of Public Works during such hours as designated by the Director of Public Works.

### § 220-10 Preparation of material for collection.

In order to allow for safe and efficient collection, the following regulations must be followed:

#### <u>A.</u>

Collection shall be limited to brush and tree prunings.

### <u>B.</u>

Tree trunks and limbs in excess of six inches in diameter shall not be collected.

### C.

Limbs should be no longer than six feet in length.

#### <u>v.</u>

All limbs and brush shall be placed in an orderly manner with all busts (six inches in diameter maximum) facing the roadside. The size of the pile may not be larger than four feet high by 15 feet wide and is limited to one pile per property.

### <u>E.</u>

All small brush must be tied with twine in bundles not to exceed six inches in diameter.

#### <u>F.</u>

All forsythia, willow vines, firethorns, tall grasses and briars must be tied in bundles not to exceed six inches in diameter.

[Amended 2-28-2008 by Ord. No. 2008-6]

#### G.

No vegetative material shall be placed in bags. Vegetative materials such as hedge trimmings and small sticks shall be placed in open buckets or containers and placed near the pile of larger brush for removal. These open buckets or containers must be free of dirt, stone, and other nonvegetative materials.

[Amended 2-28-2008 by Ord. No. 2008-6]

Η.

No commercial trimmings shall be collected.

[Added 2-28-2008 by Ord. No. 2008-6]

### § 220-11 <u>Leaf collection.</u>

For the purpose of collecting leaves and other plant materials, the Township is divided in two zones, with Route 130 being the dividing line. Materials will be collected in Zone 1 (west of Route 130) during the week containing the first Monday of the month and Zone 2 (east of Route 130) during the week containing the second Monday of the month. Materials should be placed at curbside the Saturday or Sunday immediately preceding the week in which the zone is to have collection.

### § 220-12 <u>Violations and penalties.</u>

Failure to follow the above procedures will result in the Township refusing to remove vegetative materials from a property. Additionally, any person or persons violating any of the provisions of this article shall, upon conviction thereof, be punished as provided in Chapter 1, Article 1, General Penalty.

### ARTICLE III Municipal Stormwater Sewer System (§ 283-12 — § 283-16)

[Adopted 11-2-2005 by Ord. No. 2005-35]

### § 283-12 <u>Purpose.</u>

An article to prohibit illicit connections to the municipal separate storm sewer system(s) operated by the Township of Robbinsville, so as to protect public health, safety and welfare, and to prescribe penalties for the failure to comply,

### § 283-13 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. The definitions below are the same as or based on corresponding definitions in the New Jersey Pollutant Discharge Elimination System (NJPDES) rules at N.J.A.C. 7:14A-1.2.

### DOMESTIC SEWAGE

Waste and wastewater from humans or household operations.

### **ILLICIT CONNECTION**

Any physical or nonphysical connection that discharges domestic sewage, noncontact cooling water, process wastewater, or other industrial waste (other than stormwater) to the municipal separate storm sewer system operated by the Township of Robbinsville, unless that discharge is authorized under a NJPDES permit other than the Tier A Municipal Stormwater General Permit (NJPDES Permit Number NJOI41852). Nonphysical connections may include, but are not limited to, leaks, flows, or overflows into the municipal separate storm sewer system.

#### INDUSTRIAL WASTE

Nondomestic waste, including, but not limited to, those pollutants regulated under Section 307(a), (b), or (c) of the Federal Clean Water Act [33 U.S.C. § 1317(a), (b), or (c)].

### 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 Robbinsville or other public body and is designed and used for collecting and conveying stormwater.

### NJPDES PERMIT

A permit issued by the New Jersey Department of Environmental Protection to implement the New Jersey Pollutant Discharge Elimination System (NJPDES) rules at N.J.A.C. 7:14A.

### NONCONTACT COOLING WATER

Water used to reduce temperature for the purpose of cooling. Such waters do not come into direct contact with any raw material, intermediate product (other than heat) or finished product. Noncontact cooling water may, however, contain algaecides, or biocides to control fouling of equipment such as heat exchangers, and/or corrosion inhibitors.

### **PERSON**

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

### PROCESS WASTEWATER

Any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product, or waste product. Process wastewater includes, but is not limited to, leachate and cooling water other than

noncontact cooling water.

### **STORMWATER**

Water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities, or is conveyed by snow removal equipment.

### § 283-14 Prohibited conduct.

No person shall discharge or cause to be discharged through an illicit connection to the municipal separate storm sewer system operated by the Township of Robbinsville any domestic sewage, noncontact cooling water, process wastewater, or other industrial waste (other than stormwater).

### § 283-15 Enforcement.

This article shall be enforced by the Township of Robbinsville Police Department and/or other municipal officials of the Township of Robbinsville.

### § 283-16 <u>Violations and penalties.</u>

Any person(s) who is found to be in violation of the provisions of this article shall be subject to a fine not to exceed \$500.

### § 142-36.1 Private storm drain inlet retrofitting.

[Added 8-26-2010 by Ord. No. 2010-26]

A.

Purpose. This section required 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 systems(s) operated by the Township of Robbinsville so as to protect public health, safety and welfare, and prescribes penalties for the failure to comply.

<u>B</u>.

Definitions. For the purpose of this section, the following terms, phrases, words, and their derivations shall have the meanings stated herein unless their use in the text of this section 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 included the plural number. The word "shall" is always mandatory and not merely directory.

### MUNICIPAL SEPARATE STORM 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 Robbinsville or other public body, 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.

### **STORMWATER**

Water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities, or is conveyed by snow removal equipment.

### **WATERS OF THE STATE**

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

C.

Prohibited conduct. No person in control of private property (except a residential lot with one single-family house) shall authorize the repairing, 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:

<u>(1)</u>

Already meets the design standard below to control passage of solid and floatable materials; or

<u>(2)</u>

Is retrofitted or replaced to meet the standard in Subsection D below prior to the completion of the project.

<u>D.</u>

Design standard. Storm drain inlets identified in Subsection  $\underline{\mathbb{C}}$  above shall comply with the following standard to control passage of solid and floatable materials through storm drain inlets. For purposes of this subsection, "solid and floatable materials" means sediment, debris, trash, and other floating, suspended, settleable solids. For exemptions to this standard see Subsection  $\underline{\mathbb{D}(3)}$  below.

### <u>(1)</u>

Designing engineers shall use either of the following grates whenever they use a grate in pavement or another ground surface to collect stormwater from that surface 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

### <u>(b)</u>

A different grate, if each individual clear space in that grate has an area of no more than seven square inches, or is no greater than 0.5 inch across the smallest dimension.

### (c)

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.

### (2)

Whenever design engineers use a curb-opening inlet, the clear space in that curb opening (or each individual clear space, if the curb opening has two or more clear spaces) shall have an area of no more than 7.0 square inches, or be not greater than 2.0 inches across the smallest dimension.

### <u>(3)</u>

This standard does not apply:

### (a)

Where the Municipal Engineer agrees that this standard would cause inadequate hydraulic performance that could not practicably be over come by using additional or larger storm drain inlets that meet these standards;

### (b)

Where flows 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:

### [1]

A rectangular space 4 5/8 inches long and 1 1/2 inches wide (this option does not apply for outfall netting facilities); or

#### [2]

A bar screen having a bar spacing of 0.5 inch.

#### (c)

Where flows are conveyed through a trash rack that has parallel bars with one-inch spacing between the bars; or

### <u>(d)</u>

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.

### E.

Enforcement. This section shall be enforced by the Zoning Official of the Township of Robbinsville or such other municipal official charged with enforcement of the development regulations of the Township of Robbinsville, including without limitation the Division of Police.

#### F.

Penalties. Any person(s) who is found to be in violation of the provisions of this section shall be subject to the violations and penalty provisions of § 142-98 of the development regulations of the Township of Robbinsville.

### § 142-36.2 <u>Maintenance of outdoor dumpsters and refuse containers.</u>

[Added 8-26-2010 by Ord. No. 2010-27]

Α.

Purpose. This section requires dumpsters and other refuse containers that are outdoors or exposed to stormwater to be covered at all times and prohibits the spilling, dumping, leaking, or otherwise discharging of liquids, semiliquids or solids from the containers to the municipal separate storm sewer system(s) operated by the Township of Robbinsville and/or the waters of the state so as to protect public health, safety and welfare, and prescribes penalties for the failure to comply.

<u>B</u>.

Definitions. For the purpose of this section, the following terms, phrases, words, and their derivations shall have the meanings stated herein unless their use in the text of this section 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 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 Robbinsville or other public body, 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.

### **REFUSE CONTAINER**

Any waste container that a person controls whether owned, leased, or operated, including dumpsters, trash cans, garbage pails, and plastic trash bags.

### **STORMWATER**

Water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities, or is conveyed by snow removal equipment.

### **WATERS OF THE STATE**

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

C.

Prohibited conduct.

<u>(1)</u>

Any person who controls, whether owned, leased, or operated, a refuse container or dumpster must ensure that such container or dumpster is covered at all times and shall prevent refuse from spilling out or overflowing.

<u>(2)</u>

Any person who owns, leases or otherwise uses a refuse container or dumpster must ensure that such container or dumpster does not leak or otherwise discharge liquids, semiliquids or solids to the municipal separate storm sewer system(s) operated by the Township of Robbinsville.

<u>D.</u>

Exceptions to prohibition.

(1)

Permitted temporary demolition containers.

<u>(2)</u>

Litter receptacles (other than dumpsters or other bulk containers).

(3)

Individual homeowner trash and recycling containers.

(4)

Refuse containers at facilities authorized to discharge stormwater under a valid NJPDES permit.

(5)

Large bulky items (e.g., furniture, bound carpet and padding, white goods placed curbside for pickup).

<u>E.</u>

Enforcement. This section shall be enforced by the Zoning Official of the Township of Robbinsville or such other municipal official charged with enforcement of the development regulations of the Township of Robbinsville, including without limitation the Division of Police.

<u>F.</u>

Penalties. Any person(s) who is found to be in violation of the provisions of this section shall be subject to the violations and penalty provisions of § 142-98 of the development regulations of the Township of Robbinsville.

#### § 142-36 Stormwater management.

[Amended by Ord. No. 96-21; 5-15-2006 by Ord. No. 2006-16]

A.

Scope and purpose.

(1)

Policy statement. Flood control, groundwater recharge, and pollutant reduction through nonstructural or low-impact techniques shall be explored before relying on structural BMPs. Structural BMPs should be integrated with nonstructural stormwater management strategies and proper maintenance plans. Nonstructural strategies include both environmentally sensitive site design and source controls that prevent pollutants from being placed on the site or from being exposed to stormwater. Source control plans should be developed based upon physical site conditions and the origin, nature, and the anticipated quantity or amount of potential pollutants. Multiple stormwater management BMPs may be necessary to achieve the established performance standards for water quality, quantity, and groundwater recharge.

(2)

Purpose. It is the purpose of this section to establish minimum stormwater management requirements and controls for "major development," as defined in Subsection B.

(3)

Applicability.

(a)

This section shall be applicable to all site plans and subdivisions for the following major developments that require preliminary or final site plan or subdivision review:

[1]

Nonresidential major developments; and

[2]

Aspects of residential major developments that are not pre-empted by the Residential Site Improvement Standards at N.J.A.C. 5:21.

(b)

This section shall also be applicable to all major developments undertaken by Robbinsville Township.

(4)

Compatibility with other permit and ordinance requirements. Development approvals issued for subdivisions and site plans pursuant to this section are to be considered an integral part of development approvals under the subdivision and site plan review process and do not relieve the applicant of the responsibility to secure required permits or approvals for activities regulated by any other applicable code, rule, act, or ordinance. In their interpretation and application, the provisions of this section shall be held to be the minimum requirements for the promotion of the public health, safety, and general welfare. This section is not intended to interfere with, abrogate, or annul any other ordinances, rule or regulation, statute, or other provision of law except that, where any provision of this section imposes restrictions different from those imposed by any other ordinance, rule or regulation, or other provision of law, the more restrictive provisions or higher standards shall control. For purposes of stormwater control, the requirements stipulated in this section shall supersede any other references or standards applying to stormwater management found elsewhere in the Robbinsville Township Code, including but not limited to the following sections: Chapter 142, Section 36 of the Development Regulations, entitled "Stormwater management."

В.

Definitions. Unless specifically defined below, words or phrases used in this section shall be interpreted so as to give them the meaning they have in common usage and to give this section its most reasonable application. The definitions below are the same as or based on the corresponding definitions in the Stormwater Management Rules at N.J.A.C. 7:8-1.2, unless modified specifically for Robbinsville Township:

#### COMPACTION

The increase in soil bulk density.

#### CORE

A pedestrian-oriented area of commercial and civic uses serving the surrounding municipality, generally including housing and access to public transportation.

#### **COUNTY REVIEW AGENCY**

An agency designated by the County Board of Chosen Freeholders to review municipal stormwater management plans and implementing ordinance(s). The county review agency may either be:

(1)

A county planning agency; or

(2)

A county water resource association created under N.J.S.A. 58:16A-55.5, if the ordinance or resolution delegates authority to approve, conditionally approve, or disapprove municipal stormwater management plans and implementing ordinances.

#### **DEPARTMENT**

The New Jersey Department of Environmental Protection

#### **DESIGNATED CENTER**

A State Development and Redevelopment Plan Center as designated by the State Planning Commission, such as urban, regional, town, village, or hamlet.

#### DESIGN ENGINEER

A person professionally qualified and duly licensed in New Jersey to perform engineering services that may include, but not necessarily be limited to, development of project requirements, creation and development of project design and preparation of drawings and specifications.

#### DEVELOPMENT

The division of a parcel of land into two or more parcels, the construction, reconstruction, structural alteration, relocation or enlargement of any building or structure, any mining excavation or landfill, and any use or change in the use of any building or other structure, or land or extension of use of land, by any person, for which permission is required under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq. In the case of development of agricultural lands, development means: any activity that requires a state permit; any activity reviewed by the County Agricultural Board (CAB) and the State Agricultural Development Committee (SADC), and municipal review of any activity not exempted by the Right to Farm Act, N.J.S.A. 4:1C-1 et seq.

#### **DRAINAGE AREA**

A geographic area within which stormwater, sediments, or dissolved materials drain to a particular receiving water body or to a particular point along a receiving water body.

#### EMPOWERMENT NEIGHBORHOOD

A neighborhood designated by the Urban Coordinating Council "in consultation and conjunction with" the New Jersey Redevelopment Authority pursuant to N.J.S.A. 55:19-69.

#### **ENVIRONMENTALLY CRITICAL AREAS**

An area or feature which is of significant environmental value, including but not limited to: stream corridors; natural heritage priority sites; habitat of endangered or threatened species; large areas of contiguous open space or upland forest; steep slopes; and wellhead protection and groundwater recharge areas. Habitats of endangered or threatened species are identified using the Department's Landscape Project as approved by the Department's Endangered and Nongame Species Program.

### EROSION

The detachment and movement of soil or rock fragments by water, wind, ice or gravity.

#### IMPERVIOUS SURFACE

A surface that has been covered with a layer of material so that it is highly resistant to infiltration by water.

#### INFILTRATION

The process by which water seeps into the soil from precipitation.

#### MA IOR DEVELOPMENT

Any development that provides for ultimately disturbing more than one acre of land or increasing impervious cover by 0.25 acres or more. Disturbance for the purpose of this rule is the placement of impervious surface or exposure and/or movement of soil or bedrock or clearing, cutting, or removing of vegetation.

#### **MUNICIPALITY**

Robbinsville Township.

#### NODE

An area designated by the State Planning Commission concentrating facilities and activities which are not organized in a compact form.

#### NUTRIENT

A chemical element or compound, such as nitrogen or phosphorus, which is essential to and promotes the development of organisms.

#### PERSON

Any individual, corporation, company, partnership, firm, association, Robbinsville Township, or political subdivision of this state subject to municipal jurisdiction pursuant to the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq.

#### **POLLUTANT**

Any dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, refuse, oil, grease, sewage sludge, munitions, chemical wastes, biological materials, medical wastes, radioactive substance [except those regulated under the Atomic Energy Act of 1954, as amended (42 U.S.C. 2011 et seq.)], thermal waste, wrecked or discarded equipment, rock, sand, cellar dirt, industrial, municipal, agricultural, and construction waste or runoff, or other residue discharged directly or indirectly to the land, groundwaters or surface waters of the state, or to a domestic treatment works. "Pollutant" includes both hazardous and nonhazardous pollutants.

#### RECHARGE

The amount of water from precipitation that infiltrates into the ground and is not evapotranspired.

#### SEDIMENT

Solid material, mineral or organic, that is in suspension, is being transported, or has been moved from its site of origin by air, water or gravity as a product of erosion.

#### <u>SITE</u>

The lot or lots upon which a major development is to occur or has occurred.

#### SOIL

All unconsolidated mineral and organic material of any origin.

#### STATE DEVELOPMENT AND REDEVELOPMENT PLAN METROPOLITAN PLANNING AREA (PA1)

An area delineated on the State Plan Policy Map and adopted by the State Planning Commission that is intended to be the focus for much of the state's future redevelopment and revitalization efforts.

#### STATE PLAN POLICY MAP

The geographic application of the State Development and Redevelopment Plan's goals and statewide policies, and the official map of these goals and policies.

#### STORMWATER

Water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, or is captured by separate storm sewers or other sewage or drainage facilities, or conveyed by snow removal equipment.

### STORMWATER MANAGEMENT BASIN

An excavation or embankment and related areas designed to retain stormwater runoff. A stormwater management basin may either be normally dry (that is, a detention basin or infiltration basin), retain water in a permanent pool (a retention basin), or be planted mainly with wetland vegetation (most constructed stormwater wetlands).

#### STORMWATER MANAGEMENT MEASURE

Any structural or nonstructural strategy, practice, technology, process, program, or other method intended to control or reduce stormwater runoff and associated pollutants, or to induce or control the infiltration or groundwater recharge of stormwater or to eliminate illicit or illegal nonstormwater discharges into stormwater conveyances.

#### STORMWATER RUNOFF

Water flow on the surface of the ground or in storm sewers, resulting from precipitation.

#### TIDAL FLOOD HAZARD AREA

A flood hazard area, which may be influenced by stormwater runoff from inland areas, but which is primarily caused by the Atlantic Ocean.

#### URBAN COORDINATING COUNCIL EMPOWERMENT NEIGHBORHOOD

A neighborhood given priority access to state resources through the New Jersey Redevelopment Authority.

#### **URBAN ENTERPRISE ZONES**

A zone designated by the New Jersey Enterprise Zone Authority pursuant to the New Jersey Urban Enterprise Zones Act, N.J.S.A. 52:27H-60 et seq.

#### **URBAN REDEVELOPMENT AREA**

Previously developed portions of areas:

(1)

Delineated on the State Plan Policy Map (SPPM) as the Metropolitan Planning Area (PA1), Designated Centers, Cores or Nodes;

(2)

Designated as CAFRA Centers, Cores or Nodes;

(3)

Designated as Urban Enterprise Zones; and

(4)

Designated as Urban Coordinating Council Empowerment Neighborhoods.

### WATERS OF THE STATE

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

#### WETLANDS or WETLAND

An area that is inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions, commonly known as "hydrophytic vegetation."

#### <u>C.</u>

General standards.

#### <u>(1)</u>

Design and performance standards for stormwater management measures.

Stormwater management measures for major development shall be developed to meet the erosion control, groundwater recharge, stormwater runoff quantity, and stormwater runoff quality standards in Subsection D. To the maximum extent practicable, these standards shall be met by incorporating nonstructural stormwater management strategies into the design. If these strategies alone are not sufficient to meet these standards, structural stormwater management measures necessary to meet these standards shall be incorporated into the design.

The standards in this section apply only to new major development and are intended to minimize the impact of stormwater runoff on water quality and water quantity in receiving water bodies and maintain groundwater recharge. The standards do not apply to new major development to the extent that alternative design and performance standards are applicable under a regional stormwater management plan or water quality management plan adopted in accordance with Department rules.

Stormwater management requirements for major development.

The development shall incorporate a maintenance plan for the stormwater management measures incorporated into the design of a major development in accordance with Subsection J.

Stormwater management measures shall avoid adverse impacts of concentrated flow on habitat for threatened and endangered species as documented in the Department's Landscape Project or Natural Heritage Database established under N.J.S.A. 13:1B-15.147 through 15.150, particularly Helonias bullata (swamp pink) and/or Clemmys muhlnebergi (bog turtle).

The following linear development projects are exempt from the groundwater recharge, stormwater runoff quantity, and stormwater runoff quality requirements of Subsections D(6) and D(7).

The construction of an underground utility line, provided that the disturbed areas are revegetated upon completion;

The construction of an aboveground utility line, provided that the existing conditions are maintained to the maximum extent practicable; and

The construction of a public pedestrian access, such as a sidewalk or trail, with a maximum width of 14 feet, provided that the access is made of permeable material.

A waiver from strict compliance from the groundwater recharge, stormwater runoff quantity, and stormwater runoff quality requirements of Subsections D(6) and D(7) may be obtained for the enlargement of an existing public roadway or railroad; or the construction or enlargement of a public pedestrian access, provided that the following conditions are met:

The applicant demonstrates that there is a public need for the project that cannot be accomplished by any other means;

The applicant demonstrates through an alternatives analysis that, through the use of nonstructural and structural stormwater management strategies and measures, the option selected complies with the requirements of Subsections  $\underline{D(6)}$  and  $\underline{D(7)}$  to the maximum extent practicable;

The applicant demonstrates that, in order to meet the requirements of Subsections D(6) and D(7), existing structures currently in use, such as homes and buildings, would need to be

The applicant demonstrates that it does not own or have other rights to areas, including the potential to obtain through condemnation lands not falling under Subsection D(4)(c) above within the upstream drainage area of the receiving stream, that would provide additional opportunities to mitigate the requirements of Subsections D(6) and D(7) that were not achievable on site.

Nonstructural stormwater management strategies.

To the maximum extent practicable, the standards in Subsections <u>D(6)</u> and <u>D(7)</u> shall be met by incorporating nonstructural stormwater management strategies set forth at Subsection <u>D(5)</u> into the design. The applicant shall identify the nonstructural measures incorporated into the design of the project. If the applicant contends that it is not feasible for engineering, environmental, or safety reasons to incorporate any nonstructural stormwater management measures identified in Subsection D(5)(b) below into the design of a particular project, the applicant shall identify the strategy considered and provide a basis for the contention.

Nonstructural stormwater management strategies incorporated into site design shall:

Protect areas that provide water quality benefits or areas particularly susceptible to erosion and sediment loss;

Minimize impervious surfaces and break up or disconnect the flow of runoff over impervious surfaces;

Maximize the protection of natural drainage features and vegetation;

Minimize the decrease in the time of concentration from preconstruction to postconstruction. "Time of concentration" is defined as the time it takes for runoff to travel from the hydraulically most distant point of the watershed to the point of interest within a watershed:

Minimize land disturbance including clearing and grading;

Minimize soil compaction;

Provide low-maintenance landscaping that encourages retention and planting of native vegetation and minimizes the use of lawns, fertilizers and pesticides;

Provide vegetated open-channel conveyance systems discharging into and through stable vegetated areas;

Provide other source controls to prevent or minimize the use or exposure of pollutants at the site, in order to prevent or minimize the release of those pollutants into stormwater runoff. Such source controls include, but are not limited to:

Site design features that help to prevent accumulation of trash and debris in drainage systems, including features that satisfy Subsection D(5)(c) below;

Site design features that help to prevent discharge of trash and debris from drainage systems;

Site design features that help to prevent and/or contain spills or other harmful accumulations of pollutants at industrial or commercial developments; and

When establishing vegetation after land disturbance, applying fertilizer in accordance with the requirements established under the Soil Erosion and Sediment Control Act, N.J.S.A. 4:24-39 et seg., and implementing rules.

Site design features identified under Subsection D(5)(b)[9][b] above shall comply with the following standard to control passage of solid and floatable materials through storm drain inlets. For purposes of this paragraph, "solid and floatable materials" means sediment, debris, trash, and other floating, suspended, or settleable solids. For exemptions to this standard see Subsection

Design engineers shall use either of the following grates whenever they use a grate in pavement or another ground surface to collect stormwater from that surface into a storm drain or surface water body under that grate:

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

A different grate, if each individual clear space in that grate has an area of no more than seven square inches, or is no greater than 0.5 inches across the smallest dimension.

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.

Whenever design engineers use a curb-opening inlet, the clear space in that curb opening (or each individual clear space, if the curb opening has

two or more clear spaces) shall have an area of no more than seven square inches, or be no greater than two inches across the smallest dimension.

This standard does not apply:

Where the review agency 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;

Where flows from the water quality design storm as specified in Subsection D(7)(a) 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 rectangular space 4 5/8 inches long and 1 1/2 inches wide (this option does not apply for outfall netting facilities); or

A bar screen having a bar spacing of 0.5 inches.

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 design storm as specified in Subsection D (7)(a); or

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.

Any land area used as a nonstructural stormwater management measure to meet the performance standards in Subsections D(6) and D(7) shall be dedicated to a government agency, subjected to a conservation restriction filed with the appropriate county clerk's office, or subject to an approved equivalent restriction that ensures that measure or an equivalent stormwater management measure approved by the reviewing agency is maintained in perpetuity.

Guidance for nonstructural stormwater management strategies is available in the New Jersey Stormwater Best Management Practices Manual. The BMP Manual may be obtained from the address identified in Subsection G, or found on the Department's Web site at www.njstormwater.org.

Erosion control, groundwater recharge and runoff quantity standards.

This subsection contains minimum design and performance standards to control erosion, encourage and control infiltration and groundwater recharge, and control stormwater runoff quantity impacts of major development.

The minimum design and performance standards for erosion control are those established under the Soil Erosion and Sediment Control Act, N.J.S.A. 4:24-39 et seq., and implementing rules.

The minimum design and performance standards for groundwater recharge are as follows:

The design engineer shall, using the assumptions and factors for stormwater runoff and groundwater recharge calculations at Subsection E, either:

Demonstrate through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100% of the average annual preconstruction groundwater recharge volume for the site; or

### Demonstrate through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from preconstruction to postconstruction for the two-year storm is infiltrated.

This groundwater recharge requirement does not apply to projects within the "urban redevelopment area," or to projects subject to Subsection D(6)(a)[2][c] below.

The following types of stormwater shall not be recharged:

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 or landfill closure plan and areas with high risks for spills of toxic materials, such as gas stations and vehicle maintenance facilities; and

Industrial stormwater exposed to source material. "Source material" means any material(s) or machinery located at an industrial facility, that is directly or indirectly related to process, manufacturing or other industrial activities, which could be a source of pollutants in any industrial stormwater discharge to groundwater. Source materials include, but are not limited to, raw materials; intermediate products; final products; waste materials; by-products; industrial machinery and fuels, and lubricants, solvents, and detergents that are related to process, manufacturing, or other industrial activities that are exposed to stormwater.

The design engineer shall assess the hydraulic impact on the groundwater table and design the site so as to avoid adverse hydraulic impacts. Potential adverse hydraulic impacts include, but are not limited to, exacerbating a naturally or seasonally high water table so as to cause surficial ponding, flooding of basements, or interference with the proper operation of subsurface sewage disposal systems and other subsurface structures in the vicinity or downgradient of the groundwater recharge area.

In order to control stormwater runoff guantity impacts, the design engineer shall, using the assumptions and factors for stormwater runoff calculations at Subsection E, complete one of the following:

Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, postconstruction runoff hydrographs for the two-, ten-, and one-hundred-year storm events do not exceed, at any point in time, the preconstruction runoff hydrographs for the same storm events;

Demonstrate through hydrologic and hydraulic analysis that there is no increase, as compared to the preconstruction condition, in the peak runoff rates of stormwater leaving the site for the two-, ten-, and one-hundred-year storm events 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;

Design stormwater management measures so that the postconstruction peak runoff rates for the two-, ten- and one-hundred-year storm events are 50%, 75% and 80%, respectively, of the preconstruction peak runoff rates. The percentages apply only to the postconstruction stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed. The percentages shall not be applied to postconstruction stormwater runoff into tidal flood hazard areas if the increased volume of stormwater runoff will not increase flood damages below the point of discharge; or

In tidal flood hazard areas, stormwater runoff quantity analysis in accordance with Subsection D(6)(a)[3][a], [b] and [c] above shall only be applied if the increased volume of stormwater runoff could increase flood damages below the point of discharge.

Any application for a new agricultural development that meets the definition of major development at Subsection B shall be submitted to the appropriate soil conservation district for review and approval in accordance with the requirements of this section and any applicable soil conservation district guidelines for stormwater runoff quantity and erosion control. For the purposes of this section, "agricultural development" means land uses normally associated with the production of food, fiber and livestock for sale. Such uses do not include the development of land for the processing or sale of food and the manufacturing of agriculturally related products

Stormwater runoff quality standards.

Stormwater management measures shall be designed to reduce the postconstruction load of total suspended solids (TSS) in stormwater runoff by 80% of the anticipated load from the developed site, expressed as an annual average. Stormwater management measures shall only be required for water quality control if an additional 1/4 acre of impervious surface is being proposed on a development site. The requirement to reduce TSS does not apply to any stormwater runoff in a discharge regulated under a numeric effluent limitation for TSS imposed under the New Jersey Pollution Discharge Elimination System (NJPDES) rules, N.J.A.C. 7:14A, or in a discharge specifically exempt under a NJPDES permit from this requirement. The water quality design storm is 1.25 inches of rainfall in two hours. Water quality calculations shall take into account the distribution of rain from the water quality design storm, as reflected in Table 1. The calculation of the volume of runoff may take into account the implementation of nonstructural and structural stormwater management measures.

	Time (minutes)	Cumulative Rainfall (inches)	(b) For purposes of TSS reduction		
	0	0.0000	calculations, Table 2 below presents		
	<u> </u>		the presumed removal rates for certain BMPs designed in accordance with the New Jersey Stormwater Best		
	5	0.0083			
	10	0.0166	Management Practices Manual. The		
	15	0.0250	BMP Manual may be obtained from the address identified in Subsection		
	20	0.0500	G, or found on the Department's Web site at www.njstormwater.org. The		
	· · · · · · · · · · · · · · · · · · ·		BMP Manual and other sources of		
	25	0.0750	technical guidance are listed in		
	30	0.1000	Subsection <u>G</u> . TSS reduction shall be calculated based on the removal		
	35	0.1330	rates for the BMPs in Table 2 below. Alternative removal rates and		
	40	0.1660	methods of calculating removal rates		
	45	0.2000	may be used if the design engineer provides documentation		
	50	0,2583	demonstrating the capability of these alternative rates and methods to the		
		0.2303	review agency. A copy of any		
	55	0.3583	approved alternative rate or method		
	60	0.6250	of calculating the removal rate shall be provided to the Department at the		
	65	0.8917	following address: Division of		
		0.0917	Watershed Management, New Jersey  Department of Environmental		
	70 0.9917		Protection, PO Box 418, Trenton,		
	75	1.0500	New Jersey, 08625-0418.		
	80	1.0840	(c) If more than one BMP in series is		
	85	1.1170	necessary to achieve the required		
	90	1.1500	eighty-percent TSS reduction for a site, the applicant shall utilize the		
-		***	following formula to calculate TSS		
	95	1.1750	reduction:		
	100	1.2000	R = A + B - (AXB)/100		
1 1					

105	1.2250	Where:
110	1.2334	R = total TSS percent load remo
115	1.2417	A = the TSS percent removal ra
120	1.2500	B = the TSS percent removal ra

to each drainage area, unless the runoff from the subareas converge on site, in which case the removal rate can be demonstrated through a calculation using a weighted average.

Stormwater management measures shall also be designed to reduce, to the maximum extent feasible, the postconstruction nutrient load of the anticipated load from the developed site in stormwater runoff generated from the water quality design storm. In achieving reduction of nutrients to the maximum extent feasible, the design of the site shall include nonstructural strategies and structural measures that optimize nutrient removal while still achieving the performance standards in Subsections D(6) and D(7).

Additional information and examples are contained in the New Jersey Stormwater Best Management Practices Manual, which may be obtained from the address identified in Subsection G.

In accordance with the definition of FW1 at N.J.A.C. 7:9B-1.4, stormwater management measures shall be designed to prevent any increase in stormwater runoff to waters classified as FW1.

Special water resource protection areas shall be established along all waters designated Category One at N.J.A.C. 7:9B, and perennial or intermittent streams that drain into or upstream of the Category One waters as shown on the USGS Quadrangle Maps or in the County Soil Surveys, within the associated HUC14 drainage area. These areas shall be established for the protection of water quality, aesthetic value, exceptional ecological significance, exceptional recreational significance, exceptional water supply significance, and exceptional fisheries significance of those established Category One waters. These areas shall be designated and protected as follows:

The applicant shall preserve and maintain a special water resource protection area in accordance with one of the following:

A three-hundred-foot special water resource protection area shall be provided on each side of the waterway, measured perpendicular to the waterway from the top of the bank outwards or from the center line of the waterway where the bank is not defined, consisting of existing vegetation or vegetation allowed to follow natural succession is provided.

Encroachment within the designated special water resource protection area under Subsection  $\underline{\mathbb{D}}(7)(h)[1][a]$  above shall only be allowed where previous development or disturbance has occurred (for example, active agricultural use, parking area or maintained lawn area). The encroachment shall only be allowed where applicant demonstrates that the functional value and overall condition of the special water resource protection area will be maintained to the maximum extent practicable. In no case shall the remaining special water resource protection area be reduced to less than 150 feet as measured perpendicular to the top-of-bank of the waterway or center line of the waterway where the bank is undefined. All encroachments proposed under this subparagraph shall be subject to review and approval by the Department.

All stormwater shall be discharged outside of and flow through the special water resource protection area and shall comply with the standard for off-site stability in the Standards for Soil Erosion and Sediment Control in New Jersey, established under the Soil Erosion and Sediment Control Act, N.J.S.A. 4:24-39 et seq.

If stormwater discharged outside of and flowing through the special water resource protection area cannot comply with the standard for off-site stability in the Standards for Soil Erosion and Sediment Control in New Jersey, established under the Soil Erosion and Sediment Control Act, N.J.S.A. 4:24-39 et seq., then the stabilization measures in accordance with the requirements of the above standards may be placed within the special water resource protection area, provided that:

Stabilization measures shall not be placed within 150 feet of the Category One waterway;

Stormwater associated with discharges allowed by this section shall achieve a ninety-five-percent TSS postconstruction removal rate;

Temperature shall be addressed to ensure no impact on the receiving waterway;

The encroachment shall only be allowed where the applicant demonstrates that the functional value and overall condition of the special water resource protection area will be maintained to the maximum extent practicable:

A conceptual project design meeting shall be held with the appropriate Department staff and Soil Conservation District staff to identify necessary stabilization measures; and

All encroachments proposed under this section shall be subject to review and approval by the Department.

A stream corridor protection plan may be developed by a regional stormwater management planning committee as an element of a regional stormwater management plan, or by a municipality through an adopted municipal stormwater management plan. If a stream corridor protection plan for a waterway subject to Subsection D(7)(h) has been approved by the Department of Environmental Protection, then the provisions of the plan shall be the applicable special water resource protection area requirements for that waterway. A stream corridor protection plan for a waterway subject to Subsection <u>D(7)(h)</u> shall maintain or enhance the current functional value and overall condition of the special water resource protection area as defined in Subsection D(7)(h)[1][a] above. In no case shall a stream corridor protection plan allow the reduction of the special water resource protection area to less than 150 feet as measured perpendicular to the waterway subject to this subsection.

Subsection D(7)(h) does not apply to the construction of one individual single-family dwelling that is not part of a larger development on a lot receiving preliminary or final subdivision approval on or before February 2, 2004, provided that the construction begins on or before February 2, 2009.

Calculation of stormwater runoff and groundwater recharge.

### (1)

Stormwater runoff shall be calculated in accordance with the following:

The design engineer shall calculate runoff using one of the following methods:

The USDA Natural Resources Conservation Service (NRCS) methodology, including the NRCS Runoff Equation and Dimensionless Unit Hydrograph, as described in the NRCS National Engineering Handbook Section 4 - Hydrology and Technical Release 55 - Urban Hydrology for Small Watersheds; or

The Rational Method for peak flow and the Modified Rational Method for hydrograph computations.

For the purpose of calculating runoff coefficients 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" applies to both the NRCS methodology at Subsection E(1)(a)[1] and the Rational and Modified Rational Methods at Subsection E(1)(a) [2]. A runoff coefficient 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 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).

In computing preconstruction stormwater runoff, the design engineer shall account for all significant land features and structures, such as ponds, wetlands, depressions, hedgerows, or culverts, that may reduce preconstruction stormwater runoff rates and volumes.

In computing stormwater runoff from all design storms, the design engineer shall consider the relative stormwater runoff rates and/or volumes of pervious and impervious surfaces separately to accurately compute the rates and volume of stormwater runoff from the site. To calculate runoff from unconnected impervious cover, urban impervious area modifications as described in the NRCS Technical Release 55 - Urban Hydrology for Small Watersheds and other methods may be employed.

If the invert of the outlet structure of a stormwater management measure is below the flood hazard design flood elevation as defined at N.J.A.C. 7:13, the design engineer shall take into account the effects of tailwater in the design of structural stormwater management measures.

Groundwater recharge may be calculated in accordance with the following:

The New Jersey Geological Survey Report GSR-32, A Method for Evaluating Ground-Water Recharge Areas in New Jersey, incorporated herein by reference, as amended and supplemented. Information regarding the methodology is available from the New Jersey Stormwater Best Management Practices Manual; at http://www.state.nj.us/dep/njgs/; or at New Jersey Geological Survey, 29 Arctic Parkway, P.O. Box 427, Trenton, New Jersey, 08625-0427; (609) 984-6587.

Standards for structural stormwater management measures.

Standards for structural stormwater management measures are as follows:

Structural stormwater management measures shall be designed to take into account the existing site conditions, including, for example, environmentally critical areas, wetlands; flood-prone areas; slopes; depth to seasonal high water table; soil type, permeability and texture; drainage area and drainage patterns; and the presence of solution-prone carbonate rocks (limestone).

Structural stormwater management measures shall be designed to minimize maintenance, facilitate maintenance and repairs, and ensure proper functioning. Trash racks shall be installed at the intake to the outlet structure as appropriate, and shall have parallel bars with one-inch spacing between the bars to the elevation of the water quality design storm. For elevations higher than the water quality design storm, the parallel bars at the outlet structure shall be spaced no greater than 1/3 the width of the diameter of the orifice or 1/3 the width of the weir, with a minimum spacing between bars of one inch and a maximum spacing between bars of six inches. In addition, the design of trash racks must comply with the requirements of Subsection H(4)

Structural stormwater management measures shall be designed, constructed, and installed to be strong, durable, and corrosion resistant. Measures that are consistent with the relevant portions of the Residential Site Improvement Standards at N.J.A.C. 5:21-7.3, 7.4, and 7.5 shall be deemed to meet this requirement.

At the intake to the outlet from the stormwater management basin, the orifice size shall be a minimum of 2 1/2 inches in diameter.

Stormwater management basins shall be designed to meet the minimum safety standards for stormwater management basins at Subsection H.

Stormwater management measure guidelines are available in the New Jersey Stormwater Best Management Practices Manual. Other stormwater management measures may be utilized, provided the design engineer demonstrates that the proposed measure and its design will accomplish the required water quantity, groundwater recharge and water quality design and performance standards established by Subsection D of this section.

Manufactured treatment devices may be used to meet the requirements of Subsection D of this section, provided the pollutant removal rates are verified by the New Jersey Corporation for Advanced Technology and certified by the Department.

Sources for technical guidance.

Technical guidance for stormwater management measures can be found in the documents listed at Subsections G(1)(a) and G(1)(b) below, which are available from Maps and Publications, New Jersey Department of Environmental Protection, 428 East State Street, P.O. Box 420, Trenton, New Jersey, 08625; telephone: (609) 777-1038.

Guidelines for stormwater management measures are contained in the New Jersey Stormwater Best Management Practices Manual, as amended. Information is provided on stormwater management measures such as: bioretention systems, constructed stormwater wetlands, dry wells, extended detention basins, infiltration structures, manufactured treatment devices, pervious paving, sand filters, vegetative filter strips, and wet ponds.

The New Jersey Department of Environmental Protection Stormwater Management Facilities Maintenance Manual, as amended.

Additional technical guidance for stormwater management measures can be obtained from the following:

The "Standards for Soil Erosion and Sediment Control in New Jersey" promulgated by the State Soil Conservation Committee and incorporated into N.J.A.C. 2:90. Copies of these standards

may be obtained by contacting the State Soil Conservation Committee or any of the soil conservation districts listed in N.J.A.C. 2:90-1.3(a)4. The location, address, and telephone number of each soil conservation district may be obtained from the State Soil Conservation Committee, P.O. Box 330, Trenton, New Jersey, 08625; (609) 292-5540;

The Rutgers Cooperative Extension Service, (732) 932-9306; and

The soil conservation districts listed in N.J.A.C. 2:90-1.3(a)4. The location, address, and telephone number of each soil conservation district may be obtained from the State Soil Conservation Committee, P.O. Box 330, Trenton, New Jersey, 08625; (609) 292-5540.

Safety standards for stormwater management basins.

This section sets forth requirements to protect public safety through the proper design and operation of stormwater management basins. This section applies to any new stormwater management basin.

Requirements for trash racks, overflow grates and escape provisions.

A trash rack is a device designed to catch trash and debris and prevent the clogging of outlet structures. Trash racks shall be installed at the intake to the outlet from the stormwater management basin to ensure proper functioning of the basin outlets in accordance with the following:

The trash rack shall have parallel bars, with no greater than six-inch spacing between the bars.

The trash rack shall be designed so as not to adversely affect the hydraulic performance of the outlet pipe or structure.

The average velocity of flow through a clean trash rack is not to exceed 2.5 feet per second under the full range of stage and discharge. Velocity is to be computed on the basis of the net area of opening through the rack.

The trash rack shall be constructed and installed to be rigid, durable, and corrosion resistant, and shall be designed to withstand a perpendicular live loading of 300 pounds per square foot.

An overflow grate is designed to prevent obstruction of the overflow structure. If an outlet structure has an overflow grate, such grate shall meet the following requirements:

The overflow grate shall be secured to the outlet structure but removable for emergencies and maintenance.

The overflow grate spacing shall be no less than two inches across the smallest dimension.

The overflow grate shall be constructed and installed to be rigid, durable, and corrosion resistant, and shall be designed to withstand a perpendicular live loading of 300 pounds per square

For purposes of this Subsection H(2)(c), escape provisions means the permanent installation of ladders, steps, rungs, or other features that provide easily accessible means of egress from stormwater management basins. Stormwater management basins shall include escape provisions as follows:

If a stormwater management basin has an outlet structure, escape provisions shall be incorporated in or on the structure. With the prior approval of the reviewing agency identified in Subsection H(3) a freestanding outlet structure may be exempted from this requirement.

Safety ledges shall be constructed on the slopes of all new stormwater management basins having a permanent pool of water deeper than 2 1/2 feet. Such safety ledges shall be comprised of two steps. Each step shall be four to six feet in width. One step shall be located approximately 2 1/2 feet below the permanent water surface, and the second step shall be located one to 1 1/2 feet above the permanent water surface. See Subsection H(4) for an illustration of safety ledges in a stormwater management basin.

In new stormwater management basins, the maximum interior slope for an earthen dam, embankment, or berm shall not be steeper than three horizontal to one vertical.

Variance or exemption from safety standards.

A variance or exemption from the safety standards for stormwater management basins may be granted only upon a written finding by the appropriate reviewing agency (municipality, county or Department) that the variance or exemption will not constitute a threat to public safety.

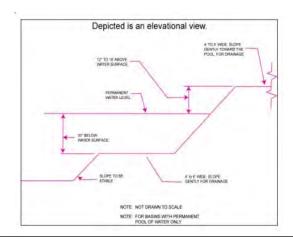
Illustration of safety ledges in a new stormwater management basin.

Requirements for a site development stormwater plan.

Submission of site development stormwater plan.

Whenever an applicant seeks municipal approval of a development subject to this section, the applicant shall submit all of the required components of the checklist for the site development stormwater plan at Subsection I(3) below as part of the submission of the applicant's application for subdivision or site plan approval

(b)



The applicant shall demonstrate that the project meets the standards set forth in this section.

The applicant shall submit three copies of the materials listed in the checklist for site development stormwater plans in accordance with Subsection I(3) of this section.

Site development stormwater plan approval. The applicant's site development project shall be reviewed as a part of the subdivision or site plan review process by the municipal board or official from which municipal approval is sought. That municipal board or official shall consult the engineer retained by the Planning and/or Zoning Board (as appropriate) to determine if all of the checklist requirements have been satisfied and to determine if the

project meets the standards set forth in this section.

Checklist requirements. The following information shall be required:

Topographic base map. The reviewing engineer may require upstream tributary drainage system information as necessary. It is recommended that the topographic base map of the site be submitted which extends a minimum of 200 feet beyond the limits of the proposed development, at a scale of one inch equals 200 feet or greater, showing two-foot contour intervals. The map, as appropriate, may indicate the following: existing surface water drainage, shorelines, steep slopes, soils, erodible soils, perennial or intermittent streams that drain into or upstream of the Category One waters, wetlands and floodplains along with their appropriate buffer strips, marshlands and other wetlands, pervious or vegetative surfaces, existing man-made structures, roads, bearing and distances of property lines, and significant natural and man-made features not otherwise shown.

Environmental site analysis. A written and graphic description of the natural and man-made features of the site and its environs. 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.

Project description and site plan(s). A map (or maps) at the scale of the topographical base map indicating the location of existing and proposed buildings, roads, parking areas, utilities, structural facilities for stormwater management and sediment control, and other permanent structures. The map(s) shall also clearly show areas where alterations occur in the natural terrain and cover, including lawns and other landscaping, and seasonal high groundwater elevations. A written description of the site plan and justification of proposed changes in natural conditions may also be provided.

Land use planning and source control plan. This plan shall provide a demonstration of how the goals and standards of Subsections C through F are being met. The focus of this plan shall be to describe how the site is being developed to meet the objective of controlling groundwater recharge, stormwater quality and stormwater quantity problems at the source by land management and source controls whenever possible.

Stormwater management facilities map. The following information, illustrated on a map of the same scale as the topographic base map, shall be included:

Total area to be paved or built upon, proposed surface contours, land area to be occupied by the stormwater management facilities and the type of vegetation thereon, and details of the proposed plan to control and dispose of stormwater.

Details of all stormwater management facility designs, during and after construction, including discharge provisions, discharge capacity for each outlet at different levels of detention and emergency spillway provisions with maximum discharge capacity of each spillway.

Calculations.

Comprehensive hydrologic and hydraulic design calculations for the predevelopment and postdevelopment conditions for the design storms specified in Subsection D of this section.

When the proposed stormwater management control measures (e.g., infiltration basins) depend on the hydrologic properties of soils, then a soils report shall be submitted. The soils report shall be based on on-site boring logs or soil pit profiles. The number and location of required soil borings or soil pits shall be determined based on what is needed to determine the suitability and distribution of soils present at the location of the control measure.

Maintenance and repair plan. The design and planning of the stormwater management facility shall meet the maintenance requirements of Subsection J.

Waiver from submission requirements. The municipal official or board reviewing an application under this section may, in consultation with the Municipal Engineer, waive submission of any of the requirements in Subsections [(3)(a) through [(3)(f) of this section when it can be demonstrated that the information requested is impossible to obtain or it would create a hardship on the applicant to obtain, and its absence will not materially affect the review process.

### Maintenance and repair.

Applicability. Projects subject to review as in Subsection A(3) of this section shall comply with the requirements of Subsections J(2) and J(3).

General maintenance.

The design engineer shall prepare a maintenance plan for the stormwater management measures incorporated into the design of a major development.

### (b)

The maintenance plan shall contain specific preventative maintenance tasks and schedules; cost estimates, including estimated cost of sediment, debris, or trash removal; and the name, address, and telephone number of the person or persons responsible for preventative and corrective maintenance (including replacement). Maintenance guidelines for stormwater management measures are available in the New Jersey Stormwater Best Management Practices Manual. If the maintenance plan identifies a person other than the developer (for example, a public agency or homeowners' association) as having the responsibility for maintenance, the plan shall include documentation of such person's agreement to assume this responsibility, or of the developer's obligation to dedicate a stormwater management facility to such person under an applicable ordinance or regulation.

#### (c)

Responsibility for maintenance shall not be assigned or transferred to the owner or tenant of an individual property in a residential development or project, unless such owner or tenant owns or leases the entire residential development or project.

#### (d)

If the person responsible for maintenance identified under Subsection <u>J(2)(b)</u> above is not a public agency, the maintenance plan and any future revisions based on Subsection <u>J(2)(g)</u> below shall be recorded upon the deed of record for each property on which the maintenance described in the maintenance plan must be undertaken.

#### (e)

Preventative and corrective maintenance shall be performed to maintain the function of the stormwater management measure, including repairs or replacement to the structure; removal of sediment, debris, or trash; restoration of eroded areas; snow and ice removal; fence repair or replacement; restoration of vegetation; and repair or replacement of nonvegetated linings.

#### (f)\_

The person responsible for maintenance identified under Subsection <u>J(2)(b)</u> above shall maintain a detailed log of all preventative and corrective maintenance for the structural stormwater management measures incorporated into the design of the development, including a record of all inspections and copies of all maintenance-related work orders.

#### (g)

The person responsible for maintenance identified under Subsection <u>J(2)(b)</u> above shall evaluate the effectiveness of the maintenance plan at least once per year and adjust the plan and the deed as needed.

#### (h)

The person responsible for maintenance identified under Subsection <u>J(2)(b)</u> above shall retain and make available, upon request by any public entity with administrative, health, environmental, or safety authority over the site, the maintenance plan and the documentation required by Subsections <u>J(2)(f)</u> and J(2)(g) above.

#### <u>(i)</u>

The requirements of Subsections <u>J(2)(c)</u> and <u>J(2)(d)</u> do not apply to stormwater management facilities that are dedicated to and accepted by the municipality or another governmental agency.

#### (i)

In the event that the stormwater management facility becomes a danger to public safety or public health, or if it is in need of maintenance or repair, the municipality shall so notify the responsible person in writing. Upon receipt of that notice, the responsible person shall have 14 days to effect maintenance and repair of the facility in a manner that is approved by the Municipal Engineer or his designee. The municipality, in its discretion, may extend the time allowed for effecting maintenance and repair for good cause. If the responsible person fails or refuses to perform such maintenance and repair, the municipality or county may immediately proceed to do so and shall bill the cost thereof to the responsible person.

#### (3)

Nothing in this section shall preclude the municipality in which the major development is located from requiring the posting of a performance or maintenance guarantee in accordance with N.J.S.A. 40:55D-53.

#### <u>K.</u>

Violations and penalties. Any person who erects, constructs, alters, repairs, converts, maintains, or uses any building, structure or land in violation of this section shall be subject to the violations and penalty provisions of § 142-98 of Development Regulations of the Township of Robbinsville.