

Due to the increase of COVID-19 cases in New Jersey, the regular meeting of the Board of Commissioners of the Borough of Harvey Cedars, NJ was hosted by the Municipal Clerk via Zoom in the Borough Hall. Mayor Oldham, Commissioner Imperiale and Commissioner Rice were in attendance from remote locations as well as 8 members of the public and 4 Borough employees.

The meeting was called to order by Mayor Oldham at 4:30pm.

The Mayor asked all to rise for the Pledge of Allegiance.

The Mayor stated to the best of his knowledge all the requirements of the Sunshine Law have been met. Pursuant to the applicable portions of the New Jersey Open Public Meetings Act, adequate notice of this meeting has been given. The schedule of this meeting of the Board of Commissioners of the Borough of Harvey Cedars is listed in the notice of meetings posted on the bulletin board located in the Borough Hall and the Borough's website, and was published on December 26, 2020 in the Asbury Park Press and on December 31, 2020 in the Beach Haven Times. N.J.S.A 10:4-8(b) authorizes local units to conduct public meetings through use of streaming services and other online meeting platforms. Zoom link information for this meeting was posted on the website January 13, 2021.

Motion to approve the minutes of the previous meeting held on January 8, 2021 was made by Commissioner Rice, seconded by Commissioner Imperiale.

The Mayor read the following ordinance by title and number and asked for a motion to introduce.

ORDINANCE #2021-02 FIRST READING

AN ORDINANCE OF THE BOROUGH OF HARVEY CEDARS AMENDING AND SUPPLEMENTING CHAPTER 9 OF THE REVISED GENERAL ORDINANCES OF THE BOROUGH OF HARVEY CEDARS ENTITLED "STORMWATER REGULATIONS AND STORMWATER CONTROL" AS IT PERTAINS TO STORMWATER REGULATIONS AMENDMENTS

A copy of the full ordinance as introduced is attached hereto and made a part hereof.

Motion to adopt: Commissioner Imperiale

Second: Commissioner Rice

Vote: Ayes – Oldham, Rice, Imperiale

The Mayor read the following resolutions by title only and asked for motions to adopt after reading each title. Copies of the full resolutions are attached hereto and made a part hereof:

RESOLUTION #2021-009:

AUTHORIZING THE BOROUGH OF HARVEY CEDARS TO ENTER INTO A SHARED SERVICES AGREEMENT WITH THE COUNTY OF OCEAN FOR THE CHILD RESTRAINT GRANT PROGRAM

Motion to adopt: Commissioner Imperiale

Second: Commissioner Rice

RESOLUTION #2021-010:

AUTHORIZING A CASH MANAGEMENT PLAN FOR THE BOROUGH OF HARVEY CEDARS FOR THE YEAR 2021

Motion to adopt: Commissioner Rice

Second: Commissioner Imperiale

RESOLUTION #2021-011:

RESOLUTION OF THE BOROUGH OF HARVEY CEDARS AUTHORIZING THE TAX COLLECTOR TO CORRECT THE 2020 ADDED/OMITTED ASSESSMENT FOR THE 2019 TAX YEAR AND ADJUST THE 2020 AND 2021 TAX AMOUNTS

Motion to adopt: Commissioner Rice

Second: Commissioner Imperiale

RESOLUTION #2021-012:

AUTHORIZING THE BOROUGH OF HARVEY CEDARS TO ENTER INTO A SHARED SERVICES AGREEMENT WITH THE COUNTY OF OCEAN FOR THE "MOVE OVER" LAW ENFORCEMENT PROGRAM

Motion to adopt: Commissioner Imperiale

Second: Commissioner Rice

RESOLUTION #2021-013:

CERTIFICATION OF RECYCLING TAXES SUBMITTED FOR THE YEAR 2020

Motion to adopt: Commissioner Imperiale

Second: Commissioner Rice

RESOLUTION #2021-014:

ENDORING SUBMISSION OF THE 2020 RECYCLING TONNAGE GRANT APPLICATION TO THE STATE

Motion to adopt: Commissioner Rice

Second: Commissioner Imperiale

RESOLUTION #2021-015: Bills

Motion to approve bills for payment: Commissioner Rice

Second: Commissioner Imperiale

Public Property Usage requests:

1. Wedding Reception – Sunset Park

After a discussion of this request, with the applicant present via Zoom, a motion was made by Commissioner Imperiale, seconded by Commissioner Rice, to approve the request to use Sunset Park to Sarah Daly for a wedding ceremony and reception on Saturday, August 28, 2021. Approval granted, with standard fees, for tent setup in ballfield, catering, generator and music, approximately 200 guests. Music to end at 9:00pm, however if no complaints are received during the event the music can continue until no later than 9:30pm.

TOPICS OF INTEREST / COMMISSIONERS REPORTS:

Commissioner Rice stated the budget process continues and hopes to make progress in the next week or two.

Commissioner Imperiale stated approval was received (by the County) to lower the speed limit on West 80th Street, an ordinance will most likely be done at the next meeting.

Mayor Oldham stated the Boulevard is still being worked on, there are some drainage issues on the west side, the County has been notified; also working on a directional drill to help the water pressure on Bay Terrace; also need to work on cleaning the bottom of the water tower. The Mayor announced Anna Grimste received her Registered Municipal Clerk's certificate and congratulated her on her achievement.

PRIVILEGE OF THE FLOOR – Hillary Fiorella thanked the Commissioners for lowering the speed limit on 80th Street.

Motion to adjourn: Commissioner Imperiale

Second: Commissioner Rice

Meeting adjourned at 4:50pm.

ORDINANCE NO. 2021-02

AN ORDINANCE OF THE BOROUGH OF HARVEY CEDARS AMENDING AND SUPPLEMENTING CHAPTER 9 OF THE REVISED GENERAL ORDINANCES OF THE BOROUGH OF HARVEY CEDARS ENTITLED “STORMWATER REGULATIONS AND STORMWATER CONTROL” AS IT PERTAINS TO STORMWATER REGULATIONS AMENDMENTS

THE BOROUGH OF HARVEY CEDARS, NEW JERSEY DOES ORDAIN AS FOLLOWS:

Section 1: Section 9-2 entitled “Definitions” is hereby amended by supplementing and inserting the following definitions in alphabetical order and by deleting any duplicate definitions:

CAFRA Centers, Cores or Nodes means those areas with boundaries incorporated by reference or revised by the Department in accordance with N.J.A.C. 7:7-13.16.

CAFRA Planning Map means the map used by the Department to identify the location of Coastal Planning Areas, CAFRA centers, CAFRA cores, and CAFRA nodes. The CAFRA Planning Map is available on the Department's Geographic Information System (GIS).

Community Basin means an infiltration system, sand filter designed to infiltrate, standard constructed wetland, or wet pond, established in accordance with N.J.A.C. 7:8-4.2(c)14, that is designed and constructed in accordance with the New Jersey Stormwater Best Management Practices Manual, or an alternate design, approved in accordance with N.J.A.C. 7:8-5.2(g), for an infiltration system, sand filter designed to infiltrate, standard constructed wetland, or wet pond and that complies with the requirements of this chapter.

Contributory Drainage Area means the area from which stormwater runoff drains to a stormwater management measure, not including the area of the stormwater management measure itself.

Disturbance means the placement or reconstruction of impervious surface or motor vehicle surface, or exposure and/or movement of soil or bedrock or clearing, cutting, or removing of vegetation. Milling and repaving is not considered disturbance for the purposes of this definition.

Environmentally Constrained Area means the following areas where the physical alteration of the land is in some way restricted, either through regulation, easement, deed restriction or ownership such as: wetlands, floodplains, threatened and endangered species sites or designated habitats, and parks and preserves. 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.

Green Infrastructure means a stormwater management measure that manages stormwater close to its source by:

1. Treating stormwater runoff through infiltration into subsoil;
2. Treating stormwater runoff through filtration by vegetation or soil; or
3. Storing stormwater runoff for reuse.

HUC 14 or Hydrologic Unit Code 14 means an area within which water drains to a particular receiving surface water body, also known as a subwatershed, which is identified by a 14-digit hydrologic unit boundary designation, delineated within New Jersey by the United States Geological Survey.

Lead Planning Agency means one or more public entities having stormwater management planning authority designated by the regional stormwater management planning committee pursuant to N.J.A.C. 7:8-3.2, that serves as the primary representative of the committee.

Major Development means an individual “development,” as well as multiple developments that individually or collectively result in:

1. The disturbance of one or more acres of land since February 2, 2004;
2. The creation of one-quarter acre or more of “regulated impervious surface” since February 2, 2004;
3. The creation of one-quarter acre or more of “regulated motor vehicle surface” since March 2, 2021 {or the effective date of this ordinance, whichever is earlier}; or

4. A combination of 2 and 3 above that totals an area of one-quarter acre or more. The same surface shall not be counted twice when determining if the combination area equals one-quarter acre or more.

Major development includes all developments that are part of a common plan of development or sale (for example, phased residential development) that collectively or individually meet any one or more of paragraphs 1, 2, 3, or 4 above. Projects undertaken by any government agency that otherwise meet the definition of “major development” but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered “major development.”

Minor Development means any development that is not “major development” including all residential development on residential lots.

Motor Vehicle means land vehicles propelled other than by muscular power, such as automobiles, motorcycles, autocycles, and low speed vehicles. For the purposes of this definition, motor vehicle does not include farm equipment, snowmobiles, all-terrain vehicles, motorized wheelchairs, go-carts, gas buggies, golf carts, ski-slope grooming machines, or vehicles that run only on rails or tracks.

Motor Vehicle Surface means any pervious or impervious surface that is intended to be used by “motor vehicles” and/or aircraft, and is directly exposed to precipitation including, but not limited to, driveways, parking areas, parking garages, roads, racetracks, and runways.

New Jersey Stormwater Best Management Practices (BMP) Manual or BMP Manual means the manual maintained by the Department providing, in part, design specifications, removal rates, calculation methods, and soil testing procedures approved by the Department as being capable of contributing to the achievement of the stormwater management standards specified in this chapter. The BMP Manual is periodically amended by the Department as necessary to provide design specifications on additional best management practices and new information on already included practices reflecting the best available current information regarding the particular practice and the Department’s determination as to the ability of that best management practice to contribute to compliance with the standards contained in this chapter. Alternative stormwater management measures, removal rates, or calculation methods may be utilized, subject to any limitations specified in this Chapter 9, provided the design engineer demonstrates to the municipality, in accordance with ordinance § 9-10.6, F and N.J.A.C. 7:8-5.2(g), that the proposed measure and its design will contribute to achievement of the design and performance standards established by Chapter 9.

Regulated Impervious Surface means any of the following, alone or in combination:

1. A net increase of impervious surface;
2. The total area of impervious surface collected by a new stormwater conveyance system (for the purpose of this definition, a “new stormwater conveyance system” is a stormwater conveyance system that is constructed where one did not exist immediately prior to its construction or an existing system for which a new discharge location is created);
3. The total area of impervious surface proposed to be newly collected by an existing stormwater conveyance system; and/or
4. The total area of impervious surface collected by an existing stormwater conveyance system where the capacity of that conveyance system is increased.

Regulated Motor Vehicle Surface means any of the following, alone or in combination:

1. The total area of motor vehicle surface that is currently receiving water;
2. A net increase in motor vehicle surface; and/or quality treatment either by vegetation or soil, by an existing stormwater management measure, or by treatment at a wastewater treatment plant, where the water quality treatment will be modified or removed.

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

Stormwater Management Measure means any 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 non-stormwater discharges into stormwater conveyances.

Stormwater Management Planning Agency means a public body authorized by legislation to prepare stormwater management plans.

Stormwater Management Planning Area means the geographic area for which a stormwater management planning agency is authorized to prepare stormwater management plans, or a specific portion of that area identified in a stormwater management plan prepared by that agency.

Tidal Flood Hazard Area means a flood hazard area in which the flood elevation resulting from the two-, 10-, or 100-year storm, as applicable, is governed by tidal flooding from the Atlantic Ocean. Flooding in a tidal flood hazard area may be contributed to, or influenced by, stormwater runoff from inland areas, but the depth of flooding generated by the tidal rise and fall of the Atlantic Ocean is greater than flooding from any fluvial sources. In some situations, depending upon the extent of the storm surge from a particular storm event, a flood hazard area may be tidal in the 100-year storm, but fluvial in more frequent storm events.

Water Control Structure means a structure within, or adjacent to, a water, which intentionally or coincidentally alters the hydraulic capacity, the flood elevation resulting from the 2-, 10-, or 100-year storm, flood hazard area limit, and/or floodway limit of the water. Examples of a water control structure may include a bridge, culvert, dam, embankment, ford (if above grade), retaining wall, and weir.

Section 2: Section 9-10 entitled “Stormwater Control” is hereby repealed in its entirety and supplemented as follows:

9-10 STORMWATER CONTROL

9-10.1 Policy Statement

Flood control, groundwater recharge, and pollutant reduction shall be achieved through the use of stormwater management measures, including green infrastructure Best Management Practices (GI BMPs) and nonstructural stormwater management strategies. GI BMPs and low impact development (LID) should be utilized to meet the goal of maintaining natural hydrology to reduce stormwater runoff volume, reduce erosion, encourage infiltration and groundwater recharge, and reduce pollution. GI BMPs and LID 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.

9-10.2 Purpose

The purpose of this ordinance is to establish minimum stormwater management requirements and controls for “major development,” as defined in subsection 9-2, above.

9-10.3 Applicability

1. This ordinance shall be applicable to the following major developments:
 - a. Non-residential major developments; and
 - b. Aspects of residential major developments that are not pre-empted by the Residential Site Improvement Standards at N.J.A.C. 5:21.
2. This ordinance shall also be applicable to all major developments undertaken by Borough of Harvey Cedars.

9-10.4 Compatibility with Other Permit and Ordinance Requirements

Development approvals issued pursuant to this ordinance are to be considered an integral part of development approvals 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 ordinance shall be held to be the minimum requirements for the promotion of the public health, safety, and general welfare.

This ordinance 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 ordinance 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.

9-10.5 Design & Performance Standards for Stormwater Management Measures

- A. Stormwater management measures for major development shall be designed to provide erosion control, groundwater recharge, stormwater runoff quantity control, and stormwater runoff quality treatment as follows:
 - 1. The minimum standards for erosion control are those established under the Soil and Sediment Control Act, N.J.S.A. 4:24-39 et seq., and implementing rules at N.J.A.C. 2:90.
 - 2. The minimum standards for groundwater recharge, stormwater quality, and stormwater runoff quantity shall be met by incorporating green infrastructure.
- B. The standards in this ordinance 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.

9-10.6 Stormwater Management Requirements for Major Development

- A. The development shall incorporate a maintenance plan for the stormwater management measures incorporated into the design of a major development in accordance with § 9-10.12.
- B. 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 muhlenbergi* (bog turtle).
- C. The following linear development projects are exempt from the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity requirements of § 9-10.6, P, Q and R:
 - 1. The construction of an underground utility line provided that the disturbed areas are revegetated upon completion;
 - 2. The construction of an aboveground utility line provided that the existing conditions are maintained to the maximum extent practicable; and
 - 3. 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.
- D. A waiver from strict compliance from the green infrastructure, groundwater recharge, stormwater runoff quality, and stormwater runoff quantity requirements of § 9-10.6, P, Q and R 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:
 - 1. The applicant demonstrates that there is a public need for the project that cannot be accomplished by any other means;
 - 2. The applicant demonstrates through an alternative analysis, that through the use of stormwater management measures, the option selected complies with the requirements of § 9-10.6, O, P, Q and R to the maximum extent practicable;
 - 3. The applicant demonstrates that, in order to meet the requirements of § 9-10.6, O, P, Q and R, existing structures currently in use, such as homes and buildings, would need to be condemned; and
 - 4. 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 § 9-10.6, D.3 above within the upstream drainage area of the receiving stream, that would provide additional opportunities to mitigate the requirements of § 9-10.6, O, P, Q and R that were not achievable onsite.
- E. Tables 1 through 3 below summarize the ability of stormwater best management practices identified and described in the New Jersey Stormwater Best Management Practices Manual to satisfy the green infrastructure, groundwater recharge, stormwater runoff quality and stormwater runoff quantity standards specified in § 9-10.6, O, P, Q and R. When designed in accordance with the most current version of the New Jersey Stormwater Best Management Practices Manual, the stormwater management measures found at N.J.A.C. 7:8-5.2 (f) Tables 5-1, 5-2 and 5-3 and listed below in Tables 1, 2 and 3 are presumed to be capable of providing stormwater controls for the design and performance standards as outlined in the tables below. Upon amendments of the New Jersey Stormwater Best Management Practices to reflect additions or deletions of BMPs meeting these standards, or changes in the presumed performance of BMPs designed in accordance with the New Jersey

Stormwater BMP Manual, the Department shall publish in the New Jersey Registers a notice of administrative change revising the applicable table. The most current version of the BMP Manual can be found on the Department’s website at:

https://njstormwater.org/bmp_manual2.htm

- F. Where the BMP tables in the NJ Stormwater Management Rule are different due to updates or amendments with the tables in this ordinance, the BMP Tables in the Stormwater Management rule at N.J.A.C. 7:8-5.2(f) shall take precedence.

Table 1

Green Infrastructure BMPs for Groundwater Recharge, Stormwater Runoff Quality, and/or Stormwater Runoff Quantity

Best Management Practice	Stormwater Runoff Quality TSS Removal Rate (percent)	Stormwater Runoff Quantity	Groundwater Recharge	Minimum Separation from Seasonal High-Water Table (feet)
Cistern	0	Yes	No	--
Dry Well ^(a)	0	No	Yes	2
Grass Swale	50 or less	No	No	2 ^(e) 1 ^(f)
Green Roof	0	Yes	No	--
Manufactured Treatment Device ^{(a) (g)}	50 or 80	No	No	Dependent upon the device
Pervious Paving System ^(a)	80	Yes	Yes ^(b)	2 ^(b)
			No ^(c)	1 ^(c)
Small-Scale Bioretention Basin ^(a)	80 or 90	Yes	Yes ^(b)	2 ^(b)
			No ^(c)	1 ^(c)
Small-Scale Infiltration Basin ^(a)	80	Yes	Yes	2
Small-Scale Sand Filter	80	Yes	Yes	2
Vegetative Filter Strip	60-80	No	No	--

Table 2

Green Infrastructure BMPs for Stormwater Runoff Quantity (or for Groundwater Recharge and/or Stormwater Runoff Quality with a Waiver or Variance from N.J.A.C. 7:8-5.3)

Best Management Practice	Stormwater Runoff Quality TSS Removal Rate (percent)	Stormwater Runoff Quantity	Groundwater Recharge	Minimum Separation from Seasonal High Water Table (feet)
Bioretention System	80 or 90	Yes	Yes ^(b)	2 ^(b)
			No ^(c)	1 ^(c)
Infiltration Basin	80	Yes	Yes	2
Sand Filter ^(b)	80	Yes	Yes	2
Standard Constructed Wetland	90	Yes	No	N/A
Wet Pond ^(d)	50-90	Yes	No	N/A

Table 3

BMPs for Groundwater Recharge, Stormwater Runoff Quality, and/or Stormwater Runoff Quantity only with a Waiver or Variance from N.J.A.C. 7:8-5.3

Best Management Practice	Stormwater Runoff Quality TSS Removal Rate (percent)	Stormwater Runoff Quantity	Groundwater Recharge	Minimum Separation from Seasonal High Water Table (feet)
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Blue Roof	0	Yes	No	N/A
Extended Detention Basin	40-60	Yes	No	1
Manufactured Treatment Device ^(h)	50 or 80	No	No	Dependent upon the device
Sand Filter ^(c)	80	Yes	No	1
Subsurface Gravel Wetland	90	No	No	1
Wet Pond	50-90	Yes	No	N/A

Notes to Tables 1, 2, and 3:

- (a) subject to the applicable contributory drainage area limitation specified at **§ 9-10.6, O.2**;
- (b) designed to infiltrate into the subsoil;
- (c) designed with underdrains;
- (d) designed to maintain at least a 10-foot wide area of native vegetation along at least 50 percent of the shoreline and to include a stormwater runoff retention component designed to capture stormwater runoff for beneficial reuse, such as irrigation;
- (e) designed with a slope of less than two percent;
- (f) designed with a slope of equal to or greater than two percent;
- (g) manufactured treatment devices that meet the definition of green infrastructure at **§ 9-2** ;
- (h) manufactured treatment devices that do not meet the definition of green infrastructure at **§ 9-10.6**.

G. An alternative stormwater management measure, alternative removal rate, and/or alternative method to calculate the removal rate may be used if the design engineer demonstrates the capability of the proposed alternative stormwater management measure and/or the validity of the alternative rate or method to the municipality. A copy of any approved alternative stormwater management measure, alternative removal rate, and/or alternative method to calculate the removal rate shall be provided to the Department in accordance with **§ 9-10.8, B**. Alternative stormwater management measures may be used to satisfy the requirements at **§ 9-10.6, O** only if the measures meet the definition of green infrastructure at **§ 9-2**. Alternative stormwater management measures that function in a similar manner to a BMP listed at **§ 9-10.6, O.2** are subject to the contributory drainage area limitation specified at **§ 9-10.6, O.2** for that similarly functioning BMP. Alternative stormwater management measures approved in accordance with this subsection that do not function in a similar manner to any BMP listed at **§ 9-10.6, O.2** shall have a contributory drainage area less than or equal to 2.5 acres, except for alternative stormwater management measures that function similarly to cisterns, grass swales, green roofs, standard constructed wetlands, vegetative filter strips, and wet ponds, which are not subject to a contributory drainage area limitation. Alternative measures that function similarly to standard constructed wetlands or wet ponds shall not be used for compliance with the stormwater runoff quality standard unless a variance in accordance with N.J.A.C. 7:8-4.6 or a waiver from strict compliance in accordance with **§ 9-10.6, D** is granted from **§ 9-10.6, O**.

H. Whenever the stormwater management design includes one or more BMPs that will infiltrate stormwater into subsoil, 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 or other subsurface structures within the zone of influence of the groundwater mound, or interference with the proper functioning of the stormwater management measure itself.

I. Design standards for stormwater management measures are as follows:

1. Stormwater management measures shall be designed to take into account the existing site conditions, including, but not limited to, 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);
2. 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 one-third the width of the diameter of the orifice or one-third 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 § 9-10.10, C;

3. 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;
 4. Stormwater management BMPs shall be designed to meet the minimum safety standards for stormwater management BMPs at § 9-10.10; and
 5. The size of the orifice at the intake to the outlet from the stormwater management BMP shall be a minimum of two and one-half inches in diameter.
- J. Manufactured treatment devices may be used to meet the requirements of this subchapter, provided the pollutant removal rates are verified by the New Jersey Corporation for Advanced Technology and certified by the Department. Manufactured treatment devices that do not meet the definition of green infrastructure at § 9-2 may be used only under the circumstances described at § 9-10.6, O.4.
- K. Any application for a new agricultural development that meets the definition of major development at § 9-2 shall be submitted to the Soil Conservation District for review and approval in accordance with the requirements at § 9-10.6, O, P, Q and R and any applicable Soil Conservation District guidelines for stormwater runoff quantity and erosion control. For purposes of this subsection, "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 manufacture of agriculturally related products.
- L. If there is more than one drainage area, the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at § 9-10.6, P, Q and R shall be met in each drainage area, unless the runoff from the drainage areas converge onsite and no adverse environmental impact would occur as a result of compliance with any one or more of the individual standards being determined utilizing a weighted average of the results achieved for that individual standard across the affected drainage areas.
- M. Any stormwater management measure authorized under the municipal stormwater management plan or ordinance shall be reflected in a deed notice recorded in the Office of the Ocean County Clerk.

A form of deed notice shall be submitted to the municipality for approval prior to filing. The deed notice shall contain a description of the stormwater management measure(s) used to meet the green infrastructure, groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at § 9-10.6, O, P, Q and R and shall identify the location of the stormwater management measure(s) in NAD 1983 State Plane New Jersey FIPS 2900 US Feet or Latitude and Longitude in decimal degrees. The deed notice shall also reference the maintenance plan required to be recorded upon the deed pursuant to § 9-10.12, B.5. Prior to the commencement of construction, proof that the above required deed notice has been filed shall be submitted to the municipality. Proof that the required information has been recorded on the deed shall be in the form of either a copy of the complete recorded document or a receipt from the clerk or other proof of recordation provided by the recording office. However, if the initial proof provided to the municipality is not a copy of the complete recorded document, a copy of the complete recorded document shall be provided to the municipality within 180 calendar days of the authorization granted by the municipality.

- N. A stormwater management measure approved under the municipal stormwater management plan or ordinance may be altered or replaced with the approval of the municipality, if the municipality determines that the proposed alteration or replacement meets the design and performance standards pursuant to § 9-10.6 of this ordinance and provides the same level of stormwater management as the previously approved stormwater management measure that is being altered or replaced. If an alteration or replacement is approved, a revised deed notice shall be submitted to the municipality for approval and subsequently recorded with the Office of the Ocean County Clerk and shall contain a description and location of the stormwater management measure, as well as reference to the maintenance plan, in accordance with M above. Prior to the commencement of construction, proof that

the above required deed notice has been filed shall be submitted to the municipality in accordance with **M** above.

O. Green Infrastructure Standards

1. This subsection specifies the types of green infrastructure BMPs that may be used to satisfy the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards.
2. To satisfy the groundwater recharge and stormwater runoff quality standards at **§ 9-10.6, P and Q**, the design engineer shall utilize green infrastructure BMPs identified in Table 1 at **§ 9-10.6, F.** and/or an alternative stormwater management measure approved in accordance with **§ 9-10.6, G.** The following green infrastructure BMPs are subject to the following maximum contributory drainage area limitations:

Best Management Practice	Maximum Contributory Drainage Area
Dry Well	1 acre
Manufactured Treatment Device	2.5 acres
Pervious Pavement Systems	Area of additional inflow cannot exceed three times the area occupied by the BMP
Small-scale Bioretention Systems	2.5 acres
Small-scale Infiltration Basin	2.5 acres
Small-scale Sand Filter	2.5 acres

3. To satisfy the stormwater runoff quantity standards at **§ 9-10.6, R**, the design engineer shall utilize BMPs from Table 1 or from Table 2 and/or an alternative stormwater management measure approved in accordance with **§ 9-10.6, G.**
4. If a variance in accordance with N.J.A.C. 7:8-4.6 or a waiver from strict compliance in accordance with **§ 9-10.6, D** is granted from the requirements of this subsection, then BMPs from Table 1, 2, or 3, and/or an alternative stormwater management measure approved in accordance with **§ 9-10.6, G** may be used to meet the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at **§ 9-10.6, P, Q and R.**
5. For separate or combined storm sewer improvement projects, such as sewer separation, undertaken by a government agency or public utility (for example, a sewerage company), the requirements of this subsection shall only apply to areas owned in fee simple by the government agency or utility, and areas within a right-of-way or easement held or controlled by the government agency or utility; the entity shall not be required to obtain additional property or property rights to fully satisfy the requirements of this subsection. Regardless of the amount of area of a separate or combined storm sewer improvement project subject to the green infrastructure requirements of this subsection, each project shall fully comply with the applicable groundwater recharge, stormwater runoff quality control, and stormwater runoff quantity standards at **§ 9-10.6, P, Q and R**, unless the project is granted a waiver from strict compliance in accordance with **§ 9-10.6, D.**

P. Groundwater Recharge Standards

1. This subsection contains the minimum design and performance standards for groundwater recharge as follows:
2. The design engineer shall, using the assumptions and factors for stormwater runoff and groundwater recharge calculations at **§ 9-10.7**, either:
 - i. Demonstrate through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction groundwater recharge volume for the site; or
 - ii. Demonstrate through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the 2-year storm is infiltrated.
3. This groundwater recharge requirement does not apply to projects within the “urban redevelopment area,” or to projects subject to 4 below.
4. The following types of stormwater shall not be recharged:
 - i. 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

- ii. 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.

Q. Stormwater Runoff Quality Standards

1. This subsection contains the minimum design and performance standards to control stormwater runoff quality impacts of major development. Stormwater runoff quality standards are applicable when the major development results in an increase of one-quarter acre or more of regulated motor vehicle surface.
2. Stormwater management measures shall be designed to reduce the post-construction load of total suspended solids (TSS) in stormwater runoff generated from the water quality design storm as follows:
 - i. Eighty percent TSS removal of the anticipated load, expressed as an annual average shall be achieved for the stormwater runoff from the net increase of motor vehicle surface.
 - ii. If the surface is considered regulated motor vehicle surface because the water quality treatment for an area of motor vehicle surface that is currently receiving water quality treatment either by vegetation or soil, by an existing stormwater management measure, or by treatment at a wastewater treatment plant is to be modified or removed, the project shall maintain or increase the existing TSS removal of the anticipated load expressed as an annual average.
3. 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 Pollutant Discharge Elimination System (NJPDES) rules, N.J.A.C. 7:14A, or in a discharge specifically exempt under a NJPDES permit from this requirement. Every major development, including any that discharge into a combined sewer system, shall comply with 2 above, unless the major development is itself subject to a NJPDES permit with a numeric effluent limitation for TSS or the NJPDES permit to which the major development is subject exempts the development from a numeric effluent limitation for TSS.
4. 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 4, below. The calculation of the volume of runoff may take into account the implementation of stormwater management measures.

Table 4 - Water Quality Design Storm Distribution

Time (Minutes)	Cumulative Rainfall (Inches)	Time (Minutes)	Cumulative Rainfall (Inches)	Time (Minutes)	Cumulative Rainfall (Inches)
1	0.00166	41	0.1728	81	1.0906
2	0.00332	42	0.1796	82	1.0972
3	0.00498	43	0.1864	83	1.1038
4	0.00664	44	0.1932	84	1.1104
5	0.00830	45	0.2000	85	1.1170
6	0.00996	46	0.2117	86	1.1236
7	0.01162	47	0.2233	87	1.1302
8	0.01328	48	0.2350	88	1.1368
9	0.01494	49	0.2466	89	1.1434
10	0.01660	50	0.2583	90	1.1500
11	0.01828	51	0.2783	91	1.1550
12	0.01996	52	0.2983	92	1.1600
13	0.02164	53	0.3183	93	1.1650
14	0.02332	54	0.3383	94	1.1700
15	0.02500	55	0.3583	95	1.1750
16	0.03000	56	0.4116	96	1.1800
17	0.03500	57	0.4650	97	1.1850
18	0.04000	58	0.5183	98	1.1900
19	0.04500	59	0.5717	99	1.1950
20	0.05000	60	0.6250	100	1.2000
21	0.05500	61	0.6783	101	1.2050
22	0.06000	62	0.7317	102	1.2100
23	0.06500	63	0.7850	103	1.2150
24	0.07000	64	0.8384	104	1.2200
25	0.07500	65	0.8917	105	1.2250
26	0.08000	66	0.9117	106	1.2267
27	0.08500	67	0.9317	107	1.2284
28	0.09000	68	0.9517	108	1.2300
29	0.09500	69	0.9717	109	1.2317
30	0.10000	70	0.9917	110	1.2334
31	0.10660	71	1.0034	111	1.2351
32	0.11320	72	1.0150	112	1.2367
33	0.11980	73	1.0267	113	1.2384
34	0.12640	74	1.0383	114	1.2400
35	0.13300	75	1.0500	115	1.2417
36	0.13960	76	1.0568	116	1.2434
37	0.14620	77	1.0636	117	1.2450
38	0.15280	78	1.0704	118	1.2467
39	0.15940	79	1.0772	119	1.2483
40	0.16600	80	1.0840	120	1.2500

- If more than one BMP in series is necessary to achieve the required 80 percent TSS reduction for a site, the applicant shall utilize the following formula to calculate TSS reduction:

$$R = A + B - (A \times B) / 100,$$

Where

R = total TSS Percent Load Removal from application of both BMPs, and

A = the TSS Percent Removal Rate applicable to the first BMP

B = the TSS Percent Removal Rate applicable to the second BMP.

- Stormwater management measures shall also be designed to reduce, to the maximum extent feasible, the post-construction 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 green infrastructure BMPs that optimize nutrient removal while still achieving the performance standards in § 9-10.6, P, Q and R.
- 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.
- The Flood Hazard Area Control Act Rules at N.J.A.C. 7:13-4.1(c)1 establish 300-foot riparian zones along Category One waters, as designated in the Surface Water Quality Standards at N.J.A.C. 7:9B, and certain upstream tributaries to

Category One waters. A person shall not undertake a major development that is located within or discharges into a 300-foot riparian zone without prior authorization from the Department under N.J.A.C. 7:13.

9. Pursuant to the Flood Hazard Area Control Act Rules at N.J.A.C. 7:13-11.2(j)3.i, runoff from the water quality design storm that is discharged within a 300-foot riparian zone shall be treated in accordance with this subsection to reduce the post-construction load of total suspended solids by 95 percent of the anticipated load from the developed site, expressed as an annual average.
10. This stormwater runoff quality standards do not apply to the construction of one individual single-family dwelling, provided that it is not part of a larger development or subdivision that has received preliminary or final site plan approval prior to December 3, 2018, and that the motor vehicle surfaces are made of permeable material(s) such as gravel, dirt, and/or shells.

R. Stormwater Runoff Quantity Standards

1. This subsection contains the minimum design and performance standards to control stormwater runoff quantity impacts of major development.
2. In order to control stormwater runoff quantity impacts, the design engineer shall, using the assumptions and factors for stormwater runoff calculations at § 9-10.7, complete one of the following:
 - i. Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, post-construction runoff hydrographs for the 2-, 10-, and 100-year storm events do not exceed, at any point in time, the pre-construction runoff hydrographs for the same storm events;
 - ii. Demonstrate through hydrologic and hydraulic analysis that there is no increase, as compared to the pre-construction condition, in the peak runoff rates of stormwater leaving the site for the 2-, 10- and 100-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;
 - iii. Design stormwater management measures so that the post-construction peak runoff rates for the 2-, 10- and 100-year storm events are 50, 75 and 80 percent, respectively, of the pre-construction peak runoff rates. The percentages apply only to the post-construction stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed; or
 - iv. In tidal flood hazard areas, stormwater runoff quantity analysis in accordance with 2.i, ii and iii above is required unless the design engineer demonstrates through hydrologic and hydraulic analysis that the increased volume, change in timing, or increased rate of the stormwater runoff, or any combination of the three will not result in additional flood damage below the point of discharge of the major development. No analysis is required if the stormwater is discharged directly into any ocean, bay, inlet, or the reach of any watercourse between its confluence with an ocean, bay, or inlet and downstream of the first water control structure.
3. The stormwater runoff quantity standards shall be applied at the site's boundary to each abutting lot, roadway, watercourse, or receiving storm sewer system.

9-10.7 Calculation of Stormwater Runoff and Groundwater Recharge

A. Stormwater runoff shall be calculated in accordance with the following:

1. The design engineer shall calculate runoff using one of the following methods:
 - i. The USDA Natural Resources Conservation Service (NRCS) methodology, including the NRCS Runoff Equation and Dimensionless Unit Hydrograph, as described in Chapters 7, 9, 10, 15 and 16 Part 630, Hydrology National Engineering Handbook, incorporated herein by reference as amended and supplemented. This methodology is additionally described in *Technical Release 55 - Urban Hydrology for Small Watersheds* (TR-55), dated June 1986, incorporated herein by reference as amended and supplemented. Information regarding the methodology is available from the Natural Resources Conservation Service website at:
https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1044171.pdf
or at United States Department of Agriculture Natural Resources Conservation Service, 220 Davison Avenue, Somerset, New Jersey 08873;
or

- ii. The Rational Method for peak flow and the Modified Rational Method for hydrograph computations. The rational and modified rational methods are described in "Appendix A-9 Modified Rational Method" in the Standards for Soil Erosion and Sediment Control in New Jersey, January 2014. This document is available from the State Soil Conservation Committee or any of the Soil Conservation Districts listed at N.J.A.C. 2:90-1.3(a)3. The location, address, and telephone number for each Soil Conservation District is available from the State Soil Conservation Committee, PO Box 330, Trenton, New Jersey 08625. The document is also available at: <http://www.nj.gov/agriculture/divisions/anr/pdf/2014NJSoilErosionControlStandardsComplete.pdf>
2. For the purpose of calculating runoff coefficients and groundwater recharge, there is a presumption that the pre-construction 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 above at § 9-10.7, A.1.i and the Rational and Modified Rational Methods at § 9-10.7, A.1.ii. 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).
 3. In computing pre-construction 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 pre-construction stormwater runoff rates and volumes.
 4. 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* or other methods may be employed.
 5. 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.
- B. Groundwater recharge may be calculated in accordance with the following:
The New Jersey Geological Survey Report GSR-32, A Method for Evaluating Groundwater-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 the New Jersey Geological Survey website at: <https://www.nj.gov/dep/njgs/pricelst/gsreport/gsr32.pdf>
or at New Jersey Geological and Water Survey, 29 Arctic Parkway, PO Box 420 Mail Code 29-01, Trenton, New Jersey 08625-0420.

9-10.8 Sources for Technical Guidance

- A. Technical guidance for stormwater management measures can be found in the documents listed below, which are available to download from the Department's website at: http://www.nj.gov/dep/stormwater/bmp_manual2.htm
 1. Guidelines for stormwater management measures are contained in the New Jersey Stormwater Best Management Practices Manual, as amended and supplemented. Information is provided on stormwater management measures such as, but not limited to, those listed in Tables 1, 2, and 3.
 2. Additional maintenance guidance is available on the Department's website at: https://www.njstormwater.org/maintenance_guidance.htm
- B. Submissions required for review by the Department should be mailed to:
The Division of Water Quality, New Jersey Department of Environmental Protection, Mail Code 401-02B, PO Box 420, Trenton, New Jersey 08625-0420.

9-10.9 Solids and Floatable Materials Control Standards

A. Site design features identified under § 9-10.6, F above, or alternative designs in accordance with § 9-10.6, G above, to prevent discharge of trash and debris from drainage systems 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 § 9-10.9, A.2 below.

1. Design engineers shall use one 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:

- i. 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; or
- ii. A different grate, if each individual clear space in that grate has an area of no more than seven (7.0) 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 system floors used to collect stormwater from the surface into a storm drain or surface water body.

iii. For curb-opening inlets, including curb-opening inlets in combination inlets, 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 (7.0) square inches, or be no greater than two (2.0) inches across the smallest dimension.

2. The standard in A.1. above does not apply:

- i. Where each individual clear space in the curb opening in existing curb-opening inlet does not have an area of more than nine (9.0) square inches;
- ii. Where the municipality agrees that the standards would cause inadequate hydraulic performance that could not practicably be overcome by using additional or larger storm drain inlets;
- iii. Where flows from the water quality design 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 four and five-eighths (4.625) inches long and one and one-half (1.5) inches wide (this option does not apply for outfall netting facilities); or
 - b. A bar screen having a bar spacing of 0.5 inches.

Note that these exemptions do not authorize any infringement of requirements in the Residential Site Improvement Standards for bicycle safe grates in new residential development (N.J.A.C. 5:21-4.18(b)2 and 7.4(b)1).

iv. Where flows are conveyed through a trash rack that has parallel bars with one-inch (1 inch) spacing between the bars, to the elevation of the Water Quality Design Storm as specified in N.J.A.C. 7:8; or

v. 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.

9-10.10 Safety Standards for Stormwater Management Basins

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

B. The provisions of this section are not intended to preempt more stringent municipal or county safety requirements for new or existing stormwater management BMPs. Municipal and county stormwater management plans and ordinances may, pursuant to their authority, require existing stormwater management BMPs to be retrofitted to meet one or more of the safety standards in § 9-10.10, C for trash racks, overflow

grates, and escape provisions at outlet structures.

C. Requirements for Trash Racks, Overflow Grates and Escape Provisions

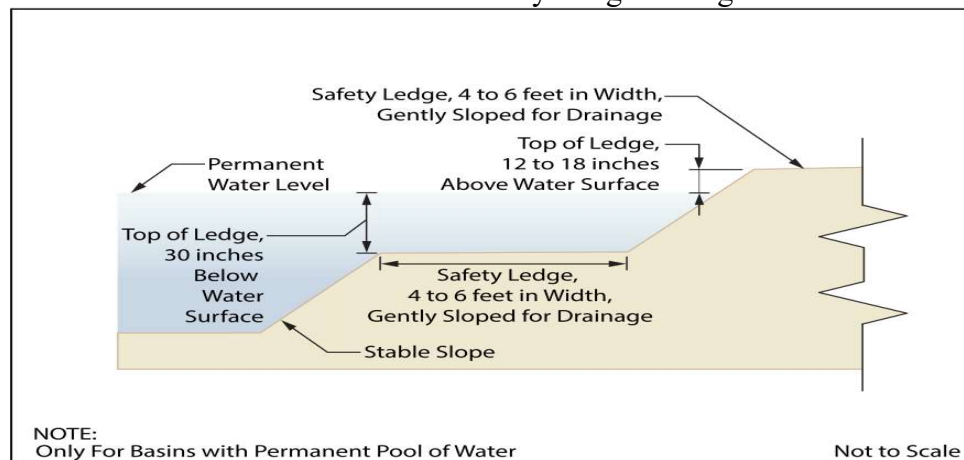
1. A trash rack is a device designed to catch trash and debris and prevent the clogging of outlet structures. Trash racks shall be installed at the intake to the outlet from the Stormwater management BMP to ensure proper functioning of the BMP outlets in accordance with the following:
 - i. The trash rack shall have parallel bars, with no greater than six-inch spacing between the bars;
 - ii. The trash rack shall be designed so as not to adversely affect the hydraulic performance of the outlet pipe or structure;
 - iii. 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; and
 - iv. The trash rack shall be constructed of rigid, durable, and corrosion resistant material and designed to withstand a perpendicular live loading of 300 pounds per square foot.
2. 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:
 - i. The overflow grate shall be secured to the outlet structure but removable for emergencies and maintenance.
 - ii. The overflow grate spacing shall be no less than two inches across the smallest dimension
 - iii. 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 foot.
3. Stormwater management BMPs shall include escape provisions as follows:
 - i. If a stormwater management BMP has an outlet structure, escape provisions shall be incorporated in or on the structure. Escape provisions include the installation of permanent ladders, steps, rungs, or other features that provide easily accessible means of egress from stormwater management BMPs. With the prior approval of the municipality pursuant to § 9-10.10, C, a free-standing outlet structure may be exempted from this requirement;
 - ii. Safety ledges shall be constructed on the slopes of all new stormwater management BMPs having a permanent pool of water deeper than two and one-half feet. Safety ledges shall be comprised of two steps. Each step shall be four to six feet in width. One step shall be located approximately two and one-half feet below the permanent water surface, and the second step shall be located one to one and one-half feet above the permanent water surface. See § 9-10.10, E for an illustration of safety ledges in a stormwater management BMP; and
 - iii. In new stormwater management BMPs, the maximum interior slope for an earthen dam, embankment, or berm shall not be steeper than three horizontal to one vertical.

D. Variance or Exemption from Safety Standard

A variance or exemption from the safety standards for stormwater management BMPs may be granted only upon a written finding by the municipality that the variance or exemption will not constitute a threat to public safety.

E. Safety Ledge Illustration

Elevation View –Basin Safety Ledge Configuration



9-10.11 Requirements for a Site Development Stormwater Plan

A. Submission of Site Development Stormwater Plan

1. Whenever an applicant seeks municipal approval of a development subject to

this ordinance, the applicant shall submit all of the required components of the Checklist for the Site Development Stormwater Plan at § 9-10.11, C below as part of the submission of the application for approval.

2. The applicant shall demonstrate that the project meets the standards set forth in this ordinance.
3. The applicant shall submit eighteen (18) copies of the materials listed in the checklist for site development stormwater plans in accordance with § 9-10.11, C of this ordinance.

B. Site Development Stormwater Plan Approval

The applicant's Site Development project shall be reviewed as a part of the review process by the municipal board or official from which municipal approval is sought. That municipal board or official shall consult the municipality's review engineer to determine if all of the checklist requirements have been satisfied and to determine if the project meets the standards set forth in this ordinance.

C. Submission of Site Development Stormwater Plan

The following information shall be required:

1. 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 1"=200' or greater, showing 2-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 flood plains 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 manmade features not otherwise shown.

2. Environmental Site Analysis

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

3. Project Description and Site Plans

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 will 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 for proposed changes in natural conditions shall also be provided.

4. Land Use Planning and Source Control Plan

This plan shall provide a demonstration of how the goals and standards of § 9-10.5 through § 9-10.6 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.

5. Stormwater Management Facilities Map

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

- i. Total area to be disturbed, 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.
- ii. 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.

6. Calculations

- i. Comprehensive hydrologic and hydraulic design calculations for the pre-development and post-development conditions for the design storms specified in § 9-10.6 of this ordinance.
- ii. When the proposed stormwater management control measures depend on the

hydrologic properties of soils or require certain separation from the seasonal high water table, then a soils report shall be submitted. The soils report shall be based on onsite 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.

7. **Maintenance and Repair Plan**
The design and planning of the stormwater management facility shall meet the maintenance requirements of § 9-10.12.
8. **Waiver from Submission Requirements**
The municipal official or board reviewing an application under this ordinance may, in consultation with the municipality's review engineer, waive submission of any of the requirements in § 9-10.11, C.1 through § 9-10.11, C.6 of this ordinance 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.

9-10.12 Maintenance and Repair

A. Applicability

Projects subject to review as in § 9-10.3 of this ordinance shall comply with the requirements of § 9-10.12, B and § 9-10.12, C.

B. General Maintenance

1. The design engineer shall prepare a maintenance plan for the stormwater management measures incorporated into the design of a major development.
2. 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). The plan shall contain information on BMP location, design, ownership, maintenance tasks and frequencies, and other details as specified in Chapter 8 of the NJ BMP Manual, as well as the tasks specific to the type of BMP, as described in the applicable chapter containing design specifics.
3. If the maintenance plan identifies a person other than the property owner (for example, a developer, a public agency or homeowners' association) as having the responsibility for maintenance, the plan shall include documentation of such person's or entity's agreement to assume this responsibility, or of the owner's obligation to dedicate a stormwater management facility to such person under an applicable ordinance or regulation.
4. 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. The individual property owner may be assigned incidental tasks, such as weeding of a green infrastructure BMP, provided the individual agrees to assume these tasks; however, the individual cannot be legally responsible for all of the maintenance required.
5. If the party responsible for maintenance identified under § 9-10.12, B.3 above is not a public agency, the maintenance plan and any future revisions based on § 9-10.12, B.7 below shall be recorded upon the deed of record for each property on which the maintenance described in the maintenance plan must be undertaken.
6. Preventative and corrective maintenance shall be performed to maintain the functional parameters (storage volume, infiltration rates, inflow/outflow capacity, etc.) of the stormwater management measure, including, but not limited to, 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 non-vegetated linings.
7. The party responsible for maintenance identified under § 9-10.12, B.3 above shall perform all of the following requirements:
 - i. 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;
 - ii. evaluate the effectiveness of the maintenance plan at least once per year and adjust the plan and the deed as needed; and
 - iii. 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 § 9-10.12, B.6 and B.7 above.

8. The requirements of § 9-10.12, B.3 and B.4 do not apply to stormwater management facilities that are dedicated to and accepted by the municipality or another governmental agency, subject to all applicable municipal stormwater general permit conditions, as issued by the Department.

Maintenance and inspection guidance can be found on the Department's website at: https://www.njstormwater.org/maintenance_guidance.htm.

9. 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 fourteen (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. Nonpayment of such bill may result in a lien on the property.
- C. Nothing in this subsection 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

9-10.13 Penalties

Any person(s) who erects, constructs, alters, repairs, converts, maintains, or uses any building, structure or land in violation of this article shall be subject to the general penalty provisions of Chapter 3 of the Code of the Borough of Harvey Cedars and a fine not to exceed \$2,000.

9-10.14 Fees

The following fees shall apply to this chapter:

1. Subsurface Infiltration System Review and Inspection Fee \$400.00

Reference is made to the following chapter where fees may apply: Chapter 14 Land Use Procedures; Chapter 15 Site Plan Review and Chapter 16 Land Subdivision.

9-10.15 Effective Date

This article shall take effect immediately upon the approval by the County review agency, or 60 days from the receipt of the ordinance by the county review agency if the county review agency fail to act.

9-10.16 Severability

If the provision of any section, subsection, paragraph, subdivision, or clause of this article shall be judged invalid by a court of competent jurisdiction, such order shall not affect or invalidate the remainder of any section, subsection, paragraph, subdivision, or clause of this article

9-10.17 Waivers

- A. A waiver from strict compliance with the requirements of § 9-10.5, F and § 9-10.6, G may be issued in those cases where an applicant has demonstrated the inability or impracticality of strict compliance, other than projects addressed under § 9-10.5 with the stormwater management requirements set forth in N.J.A.C. 7:8, in an adopted regional stormwater management plan, or in a local ordinance which is as strict as N.J.A.C. 7:8. A waiver from strict compliance for such projects can only be obtained if the applicant agrees to undertake a suitable mitigation measure identified in the mitigation section of the municipality's stormwater management plan. In such cases, the applicant must submit a mitigation plan detailing how the project's failure to strictly comply will be compensated. In cases where a waiver is granted, an applicant should provide mitigation, if possible and/or practical within the same HUC-14 watershed within which the subject project is proposed, or contribute funding toward a regional stormwater control project, or provide for equivalent treatment at an alternate location, or other equivalent water quality benefit, in lieu of implementing the required stormwater control measures on his specific site.

Any project considered major development does not need a waiver if alternative design standards that are at least as protective as would be achieved through N.J.A.C. 7:8 are applicable under a regional stormwater plan or a water quality

management plan. The Borough may also grant a variance or exemption from the design and performance standards for stormwater management measures set forth in the plan and ordinance, provided the plan include a mitigation plan and the Borough submits a written report to the county review agency describing the variance or exemption and required mitigation.

- B. Any project that is defined as minor development is exempt from strict compliance with this chapter and does not need a waiver. However, minor development, which includes all residential construction on individual lots, shall provide stormwater control as follows:
1. Install leaders and gutters on all roof areas.
 2. Install one linear foot of twelve-inch perforated drainage pipe per 100 square foot of building coverage in a stone trench and connect same to the roof leaders as shown on Detail A, entitled "Subsurface Infiltration System."
 3. In order to insure proper drainage and to avoid impacts to neighboring properties, all residential construction is required to maintain proper drainage. In lots that require fill, a drainage system of perforated piping shall be installed to provide positive drainage and discharge to the municipal street. The developer of any lot may install a drainage system on one or both sides of the structure and all roof leaders shall be tied into the system for positive discharge at the roadway. Roof leaders on lagoon or bayfront lots may be discharged directly to the lagoon or bay via an individualized piping system. Detail B, a typical layout detail is provided at the end of this Chapter.
 4. All retaining walls shall be installed with an impermeable barrier to avoid seepage of water through the walls.
 5. A plot plan showing all grading and drainage shall be submitted for review.
 6. Retaining walls and fill must be installed prior to construction.

Section 3. If any provision, section, subsection, or paragraph of this ordinance shall be declared to be unconstitutional, invalid or inoperative, in whole or in part, by a Court of competent jurisdiction, such provision, section subsection, or paragraph shall, to the extent that it is not unconstitutional, invalid or inoperative, remain in full force and effect, and no such determination shall be deemed to invalidate the remaining provisions, subsections, or paragraphs of this Ordinance.

Section 4. This ordinance shall take effect upon final adoption after publication in accordance with law.

NOTICE

NOTICE is hereby given that the foregoing Ordinance was duly introduced and passed on the first reading at a regular meeting of the Board of Commissioners of the Borough of Harvey Cedars held on **January 22, 2021**. Further notice is given that said Ordinance shall be considered for final passage and adoption at a regular meeting of said Board of Commissioners to be held on **February 5, 2021** at 4:30pm at the Borough Hall, 7606 Long Beach Blvd., Harvey Cedars, NJ, via Zoom at which time and place any person desiring to be heard will be given an opportunity to be so heard.

Daina Dale, Municipal Clerk

RESOLUTION #2021-009

AUTHORIZING THE BOROUGH OF HARVEY CEDARS TO ENTER INTO A SHARED SERVICES AGREEMENT WITH THE COUNTY OF OCEAN FOR THE CHILD RESTRAINT GRANT PROGRAM

WHEREAS the Uniform Shared Services and Consolidation Act, NJSA 40A:65-1 et. seq., authorizes two or more governmental entities to enter into a mutual service agreement for the provision of certain governmental services when approved by resolution under NJSA 40A:65-5; and

WHEREAS the FY21 Child Restraint Program Grant (CRG) is a program run by the Ocean County Sheriff's Office for the purpose of inspecting and installing child restraints in vehicles; and

WHEREAS the CRG receives funding from the State of New Jersey and the County of Ocean; and

WHEREAS it is the desire of the Board of Commissioners of the Borough of Harvey Cedars to enter into an agreement with the County of Ocean for the purpose of setting forth the terms and conditions regarding the assignment and responsibilities of police officers employed by the Borough of Harvey Cedars to the CRG.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Borough of Harvey Cedars, County of Ocean, State of New Jersey that the Mayor and Municipal Clerk are hereby authorized to execute a Shared Services Agreement with Ocean County for the FY21 Child Restraint Program Grant (CRG), a copy of which is on file in the Municipal Clerk's office, effective October 1, 2020 through September 30, 2021.

PASSED ON: January 22, 2021

RESOLUTION #2021-010

**AUTHORIZING A CASH MANAGEMENT PLAN FOR THE BOROUGH OF
HARVEY CEDARS FOR THE YEAR 2021**

WHEREAS NJSA 40A:5-14 requires that a municipality adopt a cash management plan; and

WHEREAS the Chief Financial Officer has prepared and attached a cash management plan in order to comply with the aforementioned statute.

NOW, THEREFORE, BE IT RESOLVED by the Borough Commission of the Borough of Harvey Cedars, County of Ocean, in the State of New Jersey that the 2021 cash management plan, a copy of which is on file in the Borough Clerk's office, is adopted and the Chief Finance Officer is hereby directed to send a copy of the plan to each approved depository.

PASSED ON: January 22, 2021

RESOLUTION #2021-011

**RESOLUTION OF THE BOROUGH OF HARVEY CEDARS AUTHORIZING
THE TAX COLLECTOR TO CORRECT THE 2020 ADDED/OMITTED
ASSESSMENT FOR THE 2019 TAX YEAR AND ADJUST THE 2020 AND 2021
TAX AMOUNTS**

WHEREAS it has been brought to the attention of the Borough of Harvey Cedars that there are errors in the tax assessments in the 2020 added/omitted tax duplicated that must be corrected to reflect the 2020 County Tax Board Judgments; and

WHEREAS it is the desire of the Board of Commissioners of the Borough of Harvey Cedars, County of Ocean, State of New Jersey that the 2020 added/omitted assessments for the 2019 tax year be adjusted to reflect the County Tax Board Judgement of 2020 and that the 2020 and 2021 taxes for the properties affected be corrected; and

WHEREAS it is the desire of the Board of Commissioners of the Borough of Harvey Cedars that the Tax Collector's records be adjusted in accordance therewith, which is the purpose of this resolution.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Borough of Harvey Cedars, County of Ocean, and State of New Jersey, as follows:

1. That the Board of Commissioners hereby authorizes the Certified Tax Collector to correct the 2020 added/omitted assessment for the 2019 tax year and adjust the taxes set forth below:

Block	Lot	Corrected Assessment	2020 overpayment credit
41	13	\$0	\$901.34

2. That a certified copy of this resolution be forwarded to the Tax Collector of the Borough of Harvey Cedars.

PASSED ON: January 22, 2021

RESOLUTION #2021-012

AUTHORIZING THE BOROUGH OF HARVEY CEDARS TO ENTER INTO A SHARED SERVICES AGREEMENT WITH THE COUNTY OF OCEAN FOR THE “MOVE OVER” LAW ENFORCEMENT PROGRAM

WHEREAS the Uniform Shared Services and Consolidation Act, NJSA 40A:65-1 et. seq., authorizes two or more governmental entities to enter into a mutual service agreement for the provision of certain governmental services when approved by resolution under NJSA 40A:65-5; and

WHEREAS the Move Over Law Enforcement Program (MOLEP) is a traffic safety program run by the Ocean County Prosecutor’s Office for the purpose of identifying and removing reckless drivers from the roadways; and

WHEREAS this program receives funding from the State of New Jersey and the County of Ocean; and

WHEREAS it is the desire of the Board of Commissioners of the Borough of Harvey Cedars to enter into an agreement with the County of Ocean for the purpose of setting forth the terms and conditions regarding the assignment of police officers employed by the Borough of Harvey Cedars to the MOLEP.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Borough of Harvey Cedars, County of Ocean, State of New Jersey that the Mayor and Municipal Clerk are hereby authorized to execute Shared Services Agreement with Ocean County for the Move Over Law Enforcement Program, copies of which are on file in the Municipal Clerk’s office, effective October 1, 2020 through September 30, 2021.

PASSED ON: January 22, 2021

RESOLUTION #2021-013

**CERTIFICATION OF RECYCLING TAXES
SUBMITTED FOR THE YEAR 2020**

WHEREAS the Recycling Enhancement Act, P.L. 2007, chapter 311, has established a recycling fund from which tonnage grants may be made to municipalities; and

WHEREAS there is levied upon the owner or operator of every solid waste facility (with certain exceptions) a recycling tax of \$3.00 per ton on all solid waste accepted for disposal or transfer at the solid waste facility; and

WHEREAS whenever a municipality operates a municipal service system for solid waste collection, or provides for regular solid waste collection service under a contract awarded pursuant to the “Local Public Contracts Law”, the amount of grant monies received by the municipality except that all grant moneys received by the municipality shall be expended only for its recycling program.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Borough of Harvey Cedars that the Borough of Harvey Cedars hereby certifies a submission of expenditure for taxes paid pursuant to P.L. 2007, chapter 322, in 2020 in the amount of Two Thousand Seven Hundred Fifteen Dollars and Fifty-One Cents (\$2,715.51). Documentation supporting this submission is available at 7606 Long Beach Blvd. and shall be maintained for no less than five years from this date.

PASSED ON: January 22, 2021

RESOLUTION #2021-014

**ENDORISING SUBMISSION OF THE 2020 RECYCLING TONNAGE GRANT
APPLICATION TO THE STATE**

WHEREAS the Mandatory Source Separation and Recycling Act, P.L. 1987, c.102, has established a recycling fund from which tonnage grants may be made to municipalities in order to encourage local source separation and recycling programs; and

WHEREAS it is the intent and the spirit of the Mandatory Source Separation and Recycling Act to use the tonnage grants to develop new municipal recycling programs and to continue and to expand existing programs; and

WHEREAS the New Jersey Department of Environmental Protection has promulgated recycling regulations to implement the Mandatory Source Separation and Recycling Act; and

WHEREAS the recycling regulations impose on municipalities certain requirements as a condition for applying for tonnage grants, including but not limited to, making and keeping accurate, verifiable records of materials collected and claimed by the municipality; and

WHEREAS a resolution authorizing this municipality to apply for such tonnage grants will memorialize the commitment of this municipality to recycling and to indicate the assent of the Commissioners of the Borough of Harvey Cedars to the efforts undertaken by the municipality and the requirements contained in the Recycling Act and recycling regulations; and

WHEREAS such a resolution should designate the individual authorized to ensure the application is properly completed and timely filed.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Borough of Harvey Cedars that the Borough of Harvey Cedars hereby endorses the submission of the 2020 recycling tonnage grant application to the New Jersey Department of Environmental Protection and designates Briana Lombard to ensure that the application is properly filed.

PASSED ON: January 22, 2021

RESOLUTION #2021-015

January 21, 2021
01:34 PM

BOROUGH OF HARVEY CEDARS
Bill List By P.O. Number

Page No: 1

P.O. Type: All	Open: N	Paid: N	Void: N
Range: First to Last	Rcvd: Y	Held: Y	Aprv: N
Format: Condensed	Bid: Y	State: Y	Other: Y Exempt: Y

PO #	PO Date	Vendor	PO Description	Status	Amount	Void Amount	PO Type
20000019	01/08/20	TONYS005	TONY'S GENERAL MECHANDISE INCO R Federicci Apparel Allowance	Open	300.00	0.00	B
20000021	01/08/20	TONYS005	TONY'S GENERAL MECHANDISE INCO D Lisiewski Apparel Allowance	Open	244.40	0.00	B
20000031	01/10/20	TONYS005	TONY'S GENERAL MECHANDISE INCO M Crowley Apparel Allowance	Open	300.00	0.00	B
20000226	03/02/20	WITME005	WITMER PUBLIC SAFETY GROUP INC Handguns	Open	941.00	0.00	
20000435	05/14/20	GEORG005	GEORGIA GOLF CONSTRUCTION, INC Turf Management	Open	452.00	0.00	B
20000552	06/15/20	SREG0020	S REGIONAL BOARD OF EDUCATION 2020-2021 Reg. School Taxes	Open	237,433.17	0.00	B
20001002	10/08/20	FOLEY005	FOLEY, INCORPORATED Excavator Parts	Open	2,567.86	0.00	
20001015	10/15/20	ONEC0010	ONE CALL CONCEPTS INC mark outs	Open	91.16	0.00	B
20001043	10/19/20	COUNT020	COUNTY OF OCEAN County Tax Payment	Open	24,830.49	0.00	
20001138	11/12/20	AMERI070	AMERICAN WEAR, INC. DPW Uniforms	Open	410.00	0.00	B
20001201	12/04/20	GSACC005	THE AUTO PARTS CONNECTION 992 Alternator	Open	264.19	0.00	
20001203	12/04/20	USAB0010	USA BLUE BOOK Stenner Pump Salem Plant	Open	758.53	0.00	
20001204	12/04/20	CDI00010	C&D INSTRUMENT SERVICES Instrument Repair	Open	691.00	0.00	
20001215	12/08/20	SHORE060	SHORE PROMOTIONS 2021 beach buggy permits/stick	Open	342.50	0.00	
20001220	12/11/20	HOME0010	HOME DEPOT/GECF Tool Box	Open	967.87	0.00	
20001240	12/15/20	ATLAN105	ATLANTIC PRINTING & DESIGN Recycling/ Trash Schedules	Open	428.38	0.00	
20001248	12/17/20	ATLAN105	ATLANTIC PRINTING & DESIGN Zoning Permit Applications 200	Open	156.57	0.00	
20001264	12/19/20	INNOV010	POWER DMS, INC Policy/Tests/Surveys/Alerts	Open	2,251.36	0.00	
20001268	12/19/20	WITME005	WITMER PUBLIC SAFETY GROUP INC Body Armor- Oldham	Open	1,003.00	0.00	
20001269	12/19/20	TUCKE010	TUCKERTON LUMBER COMPANY Water Plant Part	Open	10.97	0.00	
20001270	12/19/20	GSACC005	THE AUTO PARTS CONNECTION 992 Radiator	Open	237.75	0.00	
20001271	12/19/20	JOSEP015	JOSEPH H ROBERTS INC. Borough Hall HVAC	Open	6,900.00	0.00	
20001276	12/22/20	GFOA0020	GFOA OF NJ 2021 Membership Dues	Open	90.00	0.00	
20001277	12/23/20	AMAZO005	AMAZON CAPITAL SERVICES, INC Copy Paper	Open	86.34	0.00	
20001278	12/23/20	USPO0010	US POSTAL SERVICE Forever Stamps	Open	550.00	0.00	
20001279	12/28/20	HOME0010	HOME DEPOT/GECF Shop Supplies	Open	479.87	0.00	
20001282	12/28/20	LISIE005	LISIEWSKI, CHRISTINE Land Use - Zoom Subscription	Open	15.98	0.00	
20001283	12/28/20	LISIE005	LISIEWSKI, CHRISTINE Mileage Reimbursement	Open	34.27	0.00	
20001284	12/28/20	STAMP010	STAMP FULFILLMENT SERVICE Envelopes w/Postage	Open	5,200.75	0.00	
20001286	12/30/20	SHORE060	SHORE PROMOTIONS DPW Shirts	Open	313.00	0.00	
20001287	12/30/20	STOF0010	ST OF NJ - PWT DIV OF TAXATION 3rd Qtr 2020 Water Tax	Open	346.23	0.00	
20001288	12/30/20	STOF0010	ST OF NJ - PWT DIV OF TAXATION 4th Qtr 2020 Water Tax	Open	162.78	0.00	
20001289	12/30/20	POLIC015	POLICE & SHERIFFS PRESS, INC. OLDHAM / D'Andrea IDs	Open	35.10	0.00	
20001290	12/30/20	TUCKE010	TUCKERTON LUMBER COMPANY Coupling and Valve Salem Plant	Open	28.75	0.00	
20001291	12/30/20	NJSAC010	NJSACOP Leadership Speakers - Training	Open	100.00	0.00	
20001292	12/30/20	REGIS010	REGISTRAR'S ASSOC OF NJ Annual Membership 2021	Open	50.00	0.00	
20001296	12/30/20	NJRWA010	NJRWA 2021 Membership	Open	450.00	0.00	
20001297	12/30/20	GSACC005	THE AUTO PARTS CONNECTION 994 Brakes	Open	298.83	0.00	
20001298	12/30/20	BOROU010	BOROUGH OF BEACH HAVEN Interlocal Court Administrator	Open	17,282.92	0.00	
20001299	12/30/20	BOROU010	BOROUGH OF BEACH HAVEN Qtr 1, 2 & 3 Construction 2020	Open	31,015.14	0.00	
20001300	12/30/20	METRO020	METLIFE - GROUP BENEFITS Monthly Premium - January	Open	259.60	0.00	
20001301	12/30/20	STRAU005	STRAUSS AND ASSOCIATES LLC Open Space Acquisition	Open	4,518.20	0.00	
20001302	12/31/20	COMCA010	COMCAST CABLE Monthly Invoice - w&s Charges	Open	745.71	0.00	
20001303	12/31/20	COMCA010	COMCAST CABLE Monthly Invoice - Bldg&Grnds	Open	144.61	0.00	
20001305	12/31/20	COMCA010	COMCAST CABLE Monthly Invoice - SPC Video	Open	17.50	0.00	
20001306	12/30/20	ERSKI005	ERSKINE, LISA A. Borough Hall Cleaning	Open	1,100.00	0.00	
20001307	12/31/20	WESSL005	WESSLER, REBECCA web Camera	Open	112.77	0.00	
20001308	12/31/20	MAGEL010	LINE SYSTEMS Monthly Invoice	Open	1,557.69	0.00	
21-00004	01/08/21	BURNA010	BURNAFORD, ROBERT GMAIL Storage	Open	19.99	0.00	
21-00005	01/12/21	AMAZO005	AMAZON CAPITAL SERVICES, INC Pump and Office Supplies	Open	521.62	0.00	

PO #	PO Date	Vendor	PO Description	Status	Amount	Void Amount	PO Type
21-00006	01/12/21	VERIZ030	VERIZON WIRELESS - CELL	DPW Cell Phones December	Open	79.70	0.00
21-00007	01/12/21	TCTAM005	TCTA MEMBERSHIP SERVICES	2021 Membership	Open	100.00	0.00
21-00009	01/13/21	AMAZO005	AMAZON CAPITAL SERVICES, INC	Public Works Supplies	Open	187.98	0.00
21-00010	01/13/21	AMAZO005	AMAZON CAPITAL SERVICES, INC	Generator Heater	Open	456.77	0.00
21-00011	01/15/21	BEACH050	BEACH HAVEN AUTOMOTIVE, INC	D-17 Hose Clamps	Open	37.42	0.00
21-00012	01/15/21	OXYGE010	OXYGEN SUPPLY COMPANY	oxygen and acetylene rental	Open	49.00	0.00 B
21-00013	01/15/21	KTSOF005	KT'S OFFICE SERVICES LLC	Barracuda Backup & Support	Open	1,686.82	0.00
21-00014	01/15/21	OCEAN050	OCEAN COUNTY POWER SPORTS LLC	Polaris Ranger 1000 Service	Open	294.18	0.00
21-00016	01/15/21	JOHNN010	JOHNNY ON THE SPOT, LLC	Porta Potty Rental	Open	100.50	0.00 B
21-00018	01/15/21	SELEC010	SELECTIVE INSURANCE	Flood Insurance 2021	Open	32,354.00	0.00
21-00019	01/15/21	GANNE010	GANNETT NEW JERSEY NEWSPAPERS	Monthly Advertising	Open	219.36	0.00
21-00020	01/15/21	SHORE020	SHORE BUSINESS SOLUTIONS	Copier Maintenance Fees	Open	157.91	0.00
21-00021	01/15/21	PCSLL005	PCS, LLC	Monthly Invoice	Open	950.00	0.00
21-00022	01/15/21	HIERI010	HIERING, GANNON & MC KENNA	December legal fees	Open	757.17	0.00
21-00023	01/15/21	GRAMC010	GRAMCO	Court recorder maintenance	Open	1,045.00	0.00
21-00024	01/15/21	DYNAM010	DYNAMIC TESTING SERVICE	Pre-employment Testing - DPW	Open	80.00	0.00
21-00025	01/15/21	ARMAN005	ARMANDO V. RICCIO, LLC	Legal Services	Open	2,553.00	0.00
21-00026	01/19/21	NJDC0010	NJ DCA	4th Qtr 2020 permits surcharge	Open	1,257.00	0.00
21-00027	01/19/21	COUNT020	COUNTY OF OCEAN	County Tax Payment	Open	1,235,447.76	0.00
21-00028	01/19/21	FORDC005	FORD CREDIT	Zoning Car Lease Payment	Open	174.27	0.00
21-00029	01/19/21	VERIZ040	VERIZON WIRELESS MDTs	Police MDT's	Open	152.04	0.00
21-00030	01/19/21	HOLMA010	HOLMAN FRENIA ALLISON PC	Consulting	Open	1,250.00	0.00
21-00031	01/19/21	VERIZ030	VERIZON WIRELESS - CELL	Police Cell Phones	Open	253.28	0.00
21-00033	01/19/21	VERIZ030	VERIZON WIRELESS - CELL	Police Cell Phones	Open	262.47	0.00
21-00034	01/20/21	OWEN0010	OWEN, LITTLE & ASSOCIATES	Monthly Invoices	Open	2,835.15	0.00
21-00035	01/20/21	IIMC0010	IIMC	Annual membership fee 2021	Open	175.00	0.00
21-00036	01/20/21	DALE0010	DALE, DAINA	Reimbursements - Indeed.com	Open	347.96	0.00
21-00037	01/20/21	MEADO020	MEADOWBROOK INDUSTRIES LLC	December Trash & Recycling	Open	17,386.45	0.00
21-00038	01/20/21	ATLAN030	ATLANTIC CITY ELECTRIC	Electric Water Charges	Open	3,536.14	0.00
21-00039	01/20/21	ATLAN135	ATLANTIC CITY ELECTRIC	Monthly Invoice	Open	699.51	0.00
21-00040	01/20/21	NJNA0020	NJ NATURAL GAS	Monthly Invoice	Open	647.26	0.00
21-00041	01/20/21	NJNA0020	NJ NATURAL GAS	Monthly Invoice - W&S Charges	Open	496.91	0.00
21-00042	01/20/21	PEDRO010	PEDRONI FUEL COMPANY	Fuel Charges	Open	1,509.32	0.00
21-00043	01/20/21	DELAW030	DELAWARE VALLEY PAYROLL, INC.	Payroll Processing Services	Open	542.50	0.00
21-00044	01/20/21	VERIZ030	VERIZON WIRELESS - CELL	Police Cell Phones	Open	252.98	0.00
21-00046	01/20/21	OCMU0010	OCEAN MUNICIPAL JOINT INS FUND	2021 1st Installment	Open	55,629.00	0.00
21-00047	01/21/21	LISIE005	LISIEWSKI, CHRISTINE	Notary Fee - Reimbursement	Open	30.00	0.00
21-00048	01/21/21	ATLAN030	ATLANTIC CITY ELECTRIC	Electric - Current Charges	Open	5,274.33	0.00
21-00049	01/21/21	DALE0020	DALE, DAINA	2021 Open Petty Cash	Open	100.00	0.00
21-00050	01/21/21	DECOT010	DECOTIIS, FITZPATRICK & COLE	Legal Services: 2020 BAN Sale	Open	4,486.97	0.00
21-00051	01/21/21	PEDRO010	PEDRONI FUEL COMPANY	Fuel Charges	Open	822.54	0.00

Total Purchase Orders:	91	Total P.O. Line Items:	0	Total List Amount:	1,721,797.50	Total Void Amount:	0.00
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Totals by Year-Fund		Budget Rcvd	Budget Held	Budget Total	Revenue Total	G/L Total	Total
Fund Description	Fund						
Current Fund	0-01	362,800.28	0.00	362,800.28	0.00	0.00	362,800.28
Utility Operating	0-09	13,983.84	0.00	13,983.84	0.00	0.00	13,983.84
	Year Total:	376,784.12	0.00	376,784.12	0.00	0.00	376,784.12
Current Fund	1-01	1,280,385.51	0.00	1,280,385.51	0.00	0.00	1,280,385.51
Utility Operating	1-09	54,358.77	0.00	54,358.77	0.00	0.00	54,358.77
	Year Total:	1,334,744.28	0.00	1,334,744.28	0.00	0.00	1,334,744.28
General Capital F	C-04	2,564.58	0.00	2,564.58	0.00	0.00	2,564.58
Utility Capital F	C-08	1,922.94	0.00	1,922.94	0.00	0.00	1,922.94
	Year Total:	4,487.52	0.00	4,487.52	0.00	0.00	4,487.52
Grant Fund	G-02	1,263.38	0.00	1,263.38	0.00	0.00	1,263.38
Trust Fund	T-17	4,518.20	0.00	4,518.20	0.00	0.00	4,518.20
Total of All Funds:		1,721,797.50	0.00	1,721,797.50	0.00	0.00	1,721,797.50

BE IT RESOLVED by the Commissioners of the Borough of Harvey Cedars, County of Ocean, State of New Jersey, that the foregoing bill list dated January 22, 2021 be paid upon verification by the Chief Financial Officer that sufficient funds are available for the payment of the same.

PASSED ON: January 22, 2021