

**TOWNSHIP OF WYCKOFF
TOWNSHIP COMMITTEE WORK SESSION MEETING
MUNICIPAL COURT ROOM
TUESDAY, JUNE 1, 2021 - 7:00 P.M.**

PAUSE – Municipal Clerk will post the link to the live meeting on our website's homepage.

1. **7:00 pm Work Session Meeting called to order by Mayor Melissa D. Rubenstein**

2. **Roll call of Township Committee**
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

3. **Reading of "Open Work Session" statement by Acting Clerk, Nancy A. Brown**

PLEASE TAKE NOTICE, that in accordance with the Open Public Meetings Act NJSA10:4-6 et seq., and in consideration of Executive Order #103, issued by Governor Murphy on March 9, 2020, declaring a State of Emergency in the State of New Jersey, the Township Committee of the Township of Wyckoff does hereby notify the public that to protect the health, safety and welfare of our citizens while ensuring the continued functioning of government, this meeting of the Township Committee of the Township of Wyckoff scheduled for 7:00 pm, Tuesday, June 1, 2021 at Wyckoff Town Hall, 340 Franklin Avenue, Wyckoff, NJ 07481 will be live-streamed via the Township of Wyckoff's YouTube channel and members of the public may call 201-891-7000, ext. #222 should they wish to provide public comment during the public comment period. Members of the public may also email their public comments to wyckoffclerk@wyckoff-nj.com before 3:00 pm on the day of the meeting. These comments will be read at the meeting during the public comment period.

These measures are implemented to allow members of the public to observe the meeting via live streaming and to provide to the public the ability to comment before the meeting through written comments as well as during the period for public comment which appears on the agenda for the meeting.

This notice and agenda have been posted on the front door of Town Hall (facing Franklin Avenue) and on the Township's home page Wyckoff-nj.com at the Quick Link for "Minutes & Agendas" on Friday, May 28, 2021. Please select "Township Committee" and locate the date of the meeting to view documents, such as resolutions and ordinances which would otherwise be made available.

General instructions regarding access to the meeting will be posted on the Wyckoff web site's home page at www.wyckoff-nj.com as a "News" item on Friday, May 28, 2021 by 4:30 pm.

To view the Township Committee meeting via live-stream, please access the YouTube link which will be posted on the Wyckoff web site's home page at www.wyckoff-nj.com as a "NEWS" item immediately prior to the commencement of the meeting at approximately, 6:55 pm on June 1, 2021.

To be notified of all future live streamed Township meetings, please create a YouTube account and subscribe to our YouTube channel, "Township of Wyckoff".

In the event the YouTube platform modifies its connectivity protocols and does not announce these critical changes again in the future, instructions on how to view each meeting via Zoom technology will be posted at the "News" section of the Township's home page, Wyckoff-nj.com before 7:10 pm. This second method is provided to ensure the continuity of government when platforms which the Township does not control establish unannounced changes and will **only** be utilized if it is not possible to conduct the meeting via livestream on YouTube. As a precaution, for this "plan B", the following instructions are provided:

Please locate the link posted on the "News" item announcing the Township Committee meeting on the homepage of our website and use this link for the June 1, 2021 Meeting set to begin at 7:00 pm.

This regular work session meeting of the Wyckoff Township Committee is now in session. In accordance with the Open Public Meetings Act, notice of this meeting appears on our *annual schedule of meetings*. A copy of said annual schedule has been posted on the bulletin board in Memorial Town Hall; a copy has been filed with the Municipal Clerk, as well as The Record, The Ridgewood News and the North Jersey Herald and News – all newspapers having a general circulation throughout the Township of Wyckoff. At least 48 hours prior to this meeting, the Agenda thereof was similarly posted, filed and emailed to said newspapers. The agenda with the resolutions and ordinances to be considered was posted on the township's website at "Minutes & Agendas" on the Friday prior to this meeting.

4. **Confirm Finance Committee has reviewed, and signed vouchers and that Mayor and Municipal Clerk have signed any necessary documents.**
5. **Reading of any written public comments received via email to the Municipal Clerk before 3:00 pm today.**
6. **Motion to open the Ten (10) Minute Public Comment period:**

Ten Minute public comment period, two (2) minutes per speaker for public comment on any governmental issue that a member of the public feels may be of concern to the residents of the Township of Wyckoff.

Please call 201-891-7000, ext. #222 if you wish to make a comment.

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

Motion to close the Public Comment period:

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

7. **Review of 8:00 p.m. Business Meeting Agenda – Administrator**

8. **Review of Policy Action Items – Administrator**

9. **Reports of Township Committee Members**

10. **Report of Township Attorney**

11. **Recess Open Work Session Meeting to Conduct the 8:00 pm Business Meeting**

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

At the conclusion of the 8:00 pm Business Meeting the Township Committee will reconvene the Open Work Session meeting if necessary.

12. **Motion to reconvene the Open Work Session:**

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

13. **Motion to enter a Closed Session Discussion** in accordance with Resolution #20-CXX from the Open Public Work Session Meeting.

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

14. **Motion to Exit the Closed Session Discussion and re-enter the open section of the Open Work Session Meeting:**

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

14. **Adjourn**

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

PAYMENT OF CLAIMS MAY BE PAID AT ALL WORK SESSION MEETINGS AND ALL TOWNSHIP COMMITTEE BUSINESS MEETINGS

FORMAL ACTION MAY BE TAKEN AT THIS WORK SESSION

NOTICE TO PUBLIC

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~~TOWNSHIP OF WYCKOFF~~
TOWNSHIP COMMITTEE BUSINESS MEETING
MUNICIPAL COURT ROOM
TUESDAY, JUNE 1, 2021 - 8:00 PM

1. **Regular Meeting of the Wyckoff Township Committee called to order by Mayor Melissa D. Rubenstein**
2. **Flag Salute**
3. **Invocation**
4. **Reading of the “Open Public Meetings Act” statement by Nancy A. Brown**
PLEASE TAKE NOTICE, that in accordance with the Open Public Meetings Act NJSA10:4-6 et seq., and in consideration of Executive Order #103, issued by Governor Murphy on March 9, 2020, declaring a State of Emergency in the State of New Jersey, the Township Committee of the Township of Wyckoff does hereby notify the public that to protect the health, safety and welfare of our citizens while ensuring the continued functioning of government, this meeting of the Township Committee of the Township of Wyckoff scheduled for 8:00 pm, Tuesday, June 1, 2021 at Wyckoff Town Hall, 340 Franklin Avenue, Wyckoff, NJ 07481 will be live-streamed via the Township of Wyckoff's YouTube channel and members of the public may call 201-891-7000, ext. #222 should they wish to provide public comment during the public comment period. Members of the public may also email their public comments to wyckoffclerk@wyckoff-nj.com before 3:00 pm on the day of the meeting. These comments will be read at the meeting during the public comment period.

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Please locate the link posted on the "News" item announcing the Township Committee meeting on the homepage of our website and use this link for the June 1, 2021 Meeting set to begin at 8:00 pm.

This regular business meeting of the Wyckoff Township Committee is now in session. In accordance with the Open Public Meetings Act, notice of this meeting appears on our *annual schedule of meetings*. A copy of said annual schedule has been posted on the bulletin board in Memorial Town Hall; a copy has been filed with the Municipal Clerk, as well as The Record, The Ridgewood News and the North Jersey Herald and News – all newspapers having a general circulation throughout the Township of Wyckoff. At least 48 hours prior to this meeting, the Agenda thereof was similarly posted, filed and emailed to said newspapers. The agenda with the resolutions and ordinances to be considered was posted on the township's website at "Minutes and Agendas" on the Friday prior to this meeting.

5. Roll Call of the Township Committee Members Present:

BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

6. Reading of any written public comments received via email to the Municipal Clerk before 3:00 pm today.

7. Request motion to open the Public Comment Period:

Public Comment period, five (5) minutes per speaker for public comment on any governmental issue that a member of the public feels may be of concern to the residents of the Township of Wyckoff.

Please call 201-891-7000, ext. #222 if you wish to make a comment.

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

Request motion to close the Public Comment Period:

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

8. Approval of the May 18, 2021 Township Committee Work Session and Regular Business meeting minutes:

MOTION: _____ SECOND _____
BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
SHANLEY _____ RUBENSTEIN _____

9. Consent Agenda: All matters listed below are considered by the Township Committee to be routine in nature. There will be no separate discussion of these items. If any discussion is desired by the Township Committee, that item will be removed from the Consent Agenda and considered separately:

I Resolutions (Adoption of the following):

- #21-208 Approval of Vouchers & Authorization to Pay Bills
- #21-209 Professional Service Appointment – Mountain Ave. Paving Grant
- #21-210 Authorize Change Order #1 – Tree Work
- #21-211 Award of Contract – Road Paving
- #21-212 Release Performance Cash Surety – 244 Everett Avenue
- #21-213 Release Performance Cash Surety – 640 Wyckoff Avenue
- #21-214 Implementation of Governor’s Executive Order #242
- #21-215 Assignment of Risk Management

II Ordinances – Introduction

ORDINANCE #1938, AN ORDINANCE TO MODIFY AND SUPPLEMENT CHAPTER #163, “STORMWATER MANAGEMENT” IN THE CODE OF THE TOWNSHIP OF WYCKOFF TO REFLECT THE FEDERAL COMPREHENSIVE REGULATIONS KNOWN AS STORMWATER CONTROL ORDINANCE.

ORDINANCE #1939, AN ORDINANCE TO ESTABLISH A NEW CHAPTER IN THE CODE OF THE TOWNSHIP OF WYCKOFF, CHAPTER 57, ENTITLED, “RESTRICTED AREAS IN BUILDINGS WHERE MUNICIPAL OPERATIONS ARE CONDUCTED LIMITED TO AUTHORIZED EMPLOYEES ONLY TO PROTECT AND SAFEGUARD PUBLIC RECORDS CONTAINING PERSONALLY IDENTIFIABLE INFORMATION”.

III Motions

- A. Approve and memorialize the application of Joseph J. Squillace III from Junior Firefighter to Probationary Firefighter with Company #1 effective June 1, 2021.
- B. Approve and memorialize the application of Nicholas J. Squillace from Junior Firefighter to Probationary Firefighter with Company #1, effective June 1, 2021.
- C. Approve and memorialize the application of Lloyd B. Sarakin as Fire Police with Company #2 effective June 1, 2021.

Clerk: May I have a motion and a second to approve the consent agenda?

The Following vote is the vote on the Consent Agenda:

MOTION: _____ SECOND _____
 BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
 SHANLEY _____ RUBENSTEIN _____

10. **Ordinances – Public Hearing / Further Consideration:**

NONE

11. **Adjourn**

Chairman: May I have a motion to and a second to adjourn the Business Meeting?

MOTION: _____ SECOND _____
 BOONSTRA _____ MADIGAN _____ MELCHIONNE _____
 SHANLEY _____ RUBENSTEIN _____

**PAYMENT OF CLAIMS MAY BE PAID AT ALL TOWNSHIP COMMITTEE WORK
 SESSION MEETINGS AND ALL TOWNSHIP COMMITTEE
 REGULAR MEETINGS
 FORMAL ACTION MAY BE TAKEN DURING THIS MEETING**

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**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-208**

INTRODUCED:

SECONDED:

MEETING DATE: June1, 2021

**REFERENCE: Approval of Vouchers and
Authorization to Pay Bills**

VOTE: BOONSTRA ___ MADIGAN ___ MELCHIONNE ___ SHANLEY ___ RUBENSTEIN ___
.....

WHEREAS, the Township of Wyckoff is a municipality in the State of New Jersey operating under the authority from NJSA 40A:63-1 et seq; and,

WHEREAS, the Township of Wyckoff has received vouchers in claim for payment of materials supplied and/or services rendered; and,

WHEREAS, the said vouchers have been reviewed and the amount indicated on each voucher has been determined to be due and owing; and,

WHEREAS, the Township Committee has a practice of each Township Committee member participating in the reviewing and signing of vouchers; and,

WHEREAS, the vouchers which comprise this bill list have been reviewed and signed by two (2) Township Committee members and they have found them to in order; and,

WHEREAS, the Township Treasurer has certified that sufficient funds are available for payment of said vouchers.

NOW, THEREFORE, BE IT RESOLVED, by the Township Committee of the Township of Wyckoff that the action of the said Finance Committee be approved; and, that the payments of these bills are hereby authorized and the Chief Financial Officer is directed to issue checks for their payments as listed on the bill list attached to this date's meeting minutes and covered by checks no. Payroll A/C, Direct Deposit Vouchers no., Library Payroll check nos., Library Direct Deposit Vouchers no., Claims Wire nos., check no. Accutrack A/C, Claims check nos. and Voided Claims checks no..

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-209**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

**REFERENCE: Professional Service
Appointment for Engineering
Services to Implement Mountain
Avenue Paving Grant**

VOTE: BOONSTRA ___ MELCHIONNE ___ MADIGAN ___ RUBENSTEIN ___ SHANLEY ___

WHEREAS, the Township of Wyckoff has a real need and requires the professional services of Full Service Consulting Engineering firm to implement the \$384,000 NJDOT Trust Fund grants to repave Mountain Avenue; and,

WHEREAS, the Township Committee has determined to appoint Boswell Engineering as its' Consulting Engineer for this engineering work due to Boswell Engineering's extensive experience with NJDOT Trust Fund grants and the thorough and complete manner they have implemented past grant programs; and,

WHEREAS, the Purchasing Agent and the Chief Financial Officer have determined that the cost of these services shall exceed \$17,500 and believe it is prudent to anticipate the value of these services in excess of \$17,500 to ensure compliance with NJSA 19:44A-20.5 et. seq.; and,

WHEREAS, each business entity has completed and submitted a Business Entity Disclosure Certification which certifies that each business entity has not made any reportable contributions (\$300 or more) to a political or candidate committee in the Township of Wyckoff with the elected officials in the previous one year, and that the contract will prohibit each business entity from making any reportable contributions (\$300 or more) through the term of the contract; and,

WHEREAS, the Township Committee awards a one year contract for municipal Consulting Engineering Services and LSRP services in accordance with the alternate process pursuant to the provisions of NJSA 19:44A-20.5; and,

WHEREAS, the Local Public Contracts Law NJSA 40A:11-5 requires the resolution authorizing award of contracts for professional services without competitive bids and the contract itself to be made available for public inspection; and,

WHEREAS, the Chief Financial Officer, in accordance with the Local Public Contracts Law, has duly executed a Certificate of Available of Funds indicating that adequate funds have been appropriated in the 2021 Municipal Budget.

NOW, THEREFORE, BE IT RESOLVED, by the Township Committee of the Township of Wyckoff that a one year contract for this calendar year is hereby awarded to Boswell Engineering, 330 Phillips Avenue, South Hackensack, NJ 07606 for Consulting Engineering services up to \$61,000 when invoices are approved by the Township Committee.

1. The Township Committee Chairman and Clerk are hereby authorized and directed to execute contracts with each of said professionals and to take all other steps necessary to carry this resolution into effect.
2. Said appointments are made without competitive bidding under the provisions of the Local Public Contracts Law which excepts from competitive bidding "Professional Services" rendered by persons authorized law to practice a recognized profession and whose practice is regulated by law in accordance with NJSA 40A:11-1 et seq and in accordance with NJSA 19:44A-20.5 alternate process.
3. The Business Entity Disclosure Certification and the Political Contribution Disclosure Forms are in the professional services files.
4. The Municipal Clerk shall execute a public notice of said appointments in the official newspaper of the Township as required by law.

BE IT FURTHER RESOLVED that these contracts have been awarded to these contractors based on the merits and abilities of the contractors to provide the goods or services as described herein. This contract was not awarded through a "fair and open process" pursuant to N.J.S.A. 19:44A-20-4 et seq. As such, the undersigned does hereby attest that these contractors, their subsidiaries, assigns or principals controlling in excess of 10% of the company has neither made a contribution, that is reportable pursuant to the Election Law Enforcement Commission pursuant to N.J.S.A. 19:44A-8 or 19:44A-16, in the one (1) year period preceding the award of the contract that would, pursuant to P.L. 2004, c.19, affect its eligibility to perform this contract, nor will it make a reportable contribution during the term of these one (1) year contracts to any political party committee in the Township of Wyckoff if a member of that political party is serving in an elective public office of the Township of Wyckoff when the contract is awarded, or to any candidate committee of any person serving in an elective public office of the Township of Wyckoff when the contract is awarded.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND CORRECT COPY OF A RESOLUTION AS ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

CERTIFICATE OF AVAILABLE FUNDS

I, DIANA MCLEOD, CHIEF FINANCIAL OFFICER OF THE TOWNSHIP OF WYCKOFF, CERTIFY THAT ADEQUATE FUNDS HAVE BEEN APPROPRIATED IN THE "ENGINEERING SERVICES, VARIOUS DEVELOPER ACCOUNTS AND CAPITAL ORDINANCE #1935" PORTIONS OF THE 2021 MUNICIPAL BUDGET ACCOUNT 21-1-20-165-020 FOR THE FOLLOWING PROFESSIONAL SERVICES FOR THE CALENDAR YEAR 2021. NOT TO EXCEED THE MAXIMUM AMOUNT AS SET FORTH ABOVE.

DIANA MC LEOD
CHIEF FINANCIAL OFFICER

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-210**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

REFERENCE: Authorize Change Order #1

VOTE: BOONSTRA ___ MADIGAN ___ RUBENSTEIN ___ FISCHER ___ SHANLEY ___

WHEREAS, the Township Committee of the Township of Wyckoff has awarded a contract to for annual right-of-way tree service to the lowest bidder – Dujets Tree Experts, Inc., 54 Notch Road, West Paterson, New Jersey 07424 via Resolution #21-186, dated April 13, 2021 for \$32,375; and,

WHEREAS, the Township Administrator has filed with the Township Committee, in accordance with a recommendation from the DPW Manager, a written request for a change order in accordance with NJAC 5:34-4.4 prior to the adoption of this resolution; and,

WHEREAS, the Chief Financial Officer has attached a Certificate of Available Funds indicating that funds are available in the attached accounts; and,

WHEREAS, the Township Attorney has reviewed this information and NJAC 5:34-4 and recommends the Township Committee adopt this resolution as for form and procedure.

NOW, THEREFORE, BE IT RESOLVED, by the Township Committee of the Township of Wyckoff, County of Bergen, State of New Jersey that the Change Order is hereby authorized in the amount of \$6,000 or 18.53% for a total contract cost of \$38,375.

BE IT FURTHER RESOLVED that the attached amendatory contract be approved.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND EXACT COPY OF A RESOLUTION ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

CERTIFICATE OF AVAILABLE FUNDS

I, DIANA MCLEOD, CHIEF FINANCIAL OFFICER OF THE TOWNSHIP OF WYCKOFF CERTIFY THAT SUFFICIENT FUNDS HAVE BEEN APPROPRIATED IN THE 2021 BUDGET ACCOUNT NUMBER 1-01-26-292-020 TO AUTHORIZE THIS CHANGE ORDER.

DIANA MC LEOD
CHIEF FINANCIAL OFFICER

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-211**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

REFERENCE: Award Contract to Pave Roads

VOTE: BOONSTRA ___ MADIGAN ___ MELCHIONNE ___ RUBENSTEIN ___ SHANLEY ___

WHEREAS, the Township Committee approved the bid specifications and authorized advertised competitive sealed bidding; and,

WHEREAS, funds are not unlimited and the Township cannot pave every road, requiring difficult choices among valid requests; and,

WHEREAS, consistent with past practices, the Township Committee relies on the professional opinion of the Township Engineer, Public Works Manager and Chief of Police to determine the roads most in need of repair; and,

WHEREAS, a public notice soliciting bids for the Township of Wyckoff's procurement was advertised on 05/14/21 in the Ridgewood News and posted on the Township's website under the easily accessed quick link on the homepage titled, Bids and Jobs; and,

WHEREAS, bid specifications were made available at no cost to vendors who requested specifications; and,

WHEREAS, on 05/26/21 at 11:00 a.m. one (1) bid was publicly opened and its contents read aloud as indicated on the below:

<u>Bidder</u>	<u>Bid Amount</u>
D & L Paving Contractors, LLC.	\$70.20 per ton of asphalt installed
675 Franklin Avenue	\$4.68 per square yard of milling
Nutley, New Jersey 07110	Total Bid \$1,307,322.00

WHEREAS, the Township's Certified Public Works Manager, after a thorough and careful review, recommends a contract award to the lowest responsive and responsible bidder, D&L Paving, 675 Franklin Avenue, Nutley, NJ 07110; and,

WHEREAS, the Township Administrator and Township Attorney have reviewed this procurement and concur; and,

WHEREAS, the Chief Financial Officer has issued a certificate of availability of funds in Ordinance #1932 account #C-04-56-999-991 Capital Budget account #C-04-56-999-993 and 2021 Annual Budget account #1-1-26-290-020.

NOW, THEREFORE, BE IT RESOLVED, by the Township Committee of the Township of Wyckoff, County of Bergen, State of New Jersey that a contract is hereby awarded to the lowest responsive and responsible bidder, D&L Paving, 675 Franklin Avenue, Nutley, NJ 07110 for a total contract based on unit prices not to exceed \$1,307,322 in accordance with bid specifications.

BE IT FURTHER RESOLVED, that the Municipal Clerk shall provide a copy of this resolution to the Public Works Manager, Township Engineer, Police Chief, Accounts Payable Control Office and the Chief Financial Officer.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND EXACT COPY OF A RESOLUTION ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

CERTIFICATE OF AVAILABLE FUNDS

I, DIANA MCLEOD, CHIEF FINANCIAL OFFICER OF THE TOWNSHIP OF WYCKOFF, CERTIFY THAT SUFFICIENT FUNDS HAVE BEEN APPROPRIATED IN THE CAPITAL IMPROVEMENT AUTHORIZATION ORDINANCE #1932 ACCOUNT #C-04-56-999-993 AND 2021 ANNUAL BUDGET ACCOUNT #1-1-26-290-020. THESE ACCOUNTS REPRESENT THE MAXIMUM NOT TO EXCEED APPROPRIATION AS SET FORTH IN THIS RESOLUTION AND ALLOWABLE BY LAW.

DIANA MC LEOD
CHIEF FINANCIAL OFFICER

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-212**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

**REFERENCE: Release Performance Cash
Surety- 244 Everett Avenue,
Block 237, Lot 8**

VOTE: BOONSTRA ___ MADIGAN ___ MELCHIONNE ___ RUBENSTEIN ___ SHANLEY___

WHEREAS, Mr. Brian Saxton, President of Four Gems, LLC, who resides at 270 Demarest Avenue, Wyckoff NJ 07481 in an email dated May 24, 2021 has requested the release of a \$4,900 Landscape Performance Guarantee; and

WHEREAS, the Township Engineer requested a Landscape Performance Guarantee from Mr. Brian Saxton / Four Gems, LLC. in order to issue a Temporary Certificate of Occupancy for 244 Everett Avenue; and

WHEREAS, the Township's Engineer, Mr. Mark Di Gennaro, in a file memo, states that the final inspections have been completed for site improvements and the Performance Cash surety for landscaping can be released; and,

WHEREAS, Mr. Brian Saxton, President of Four Gems, LLC, who resides at 270 Demarest Avenue, Wyckoff NJ 07481 posted the following with the Municipal Clerk on February 3, 2021 for site improvements/landscaping work:

Performance Cash Bond \$4,900.00

NOW, THEREFORE BE IT RESOLVED, by the Township Committee of the Township of Wyckoff, County of Bergen and State of New Jersey that they hereby accept the recommendation of the Township Engineer, Mr. Mark Di Gennaro to release the \$4,900 Performance Cash Surety.

BE IT FURTHER RESOLVED, that the Municipal Clerk will forward a copy of this resolution to the Township Engineer, Mr. Mark Di Gennaro and to Mr. Brian Saxton, President of Four Gems, LLC, 270 Demarest Avenue, Wyckoff NJ 07481.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND EXACT COPY OF A RESOLUTION ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-213**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

**REFERENCE: Release Engineering Escrow
– 640 Wyckoff Avenue, Block 236, Lot 6**

VOTE: BOONSTRA ___ MADIGAN ___ MELCHIONNE ___ SHANLEY ___ RUBENSTEIN ___
.....

WHEREAS, Jill Cascio, spouse of Aldo Cascio, owner of Aldo's Italian Restaurant, Inc., (Pane Vino), 640 Wyckoff Avenue, Wyckoff, NJ 07481, contacted Town Hall by telephone on March 8, 2021 and requested the release of Performance Cash Surety; and

WHEREAS, Performance Cash Surety of \$780.00 which remained following the release of the \$19,500 Performance Cash Surety has been released via Resolution #21-187 on May 18, 2021; and,

WHEREAS, the following performance guarantee & professional escrows were collected July 17, 2012 for Aldo's Italian Restaurant Inc., (Pane Vino) 640 Wyckoff Avenue Block 236, Lot 6:

Performance Bond	\$182,520.00
Performance Cash	\$ 20, 280.00
Professional Escrow	\$ 8,450.00

WHEREAS, Mr. Peter TenKate the Township's Consulting Engineer from Boswell/McClave Engineering in a letter dated September 23, 2014 recommended the following:

Release Performance Guarantee:
Performance Cash Surety \$19,500

Posting of Two (2) Year Maintenance Guarantee:
Two (2) Year Maintenance Bond \$ 22,815
Two (2) Year Maintenance Cash \$ 2,535

WHEREAS, by Resolution #14-224 Performance Cash Surety of \$19,500 was released; and

WHEREAS, the recommended two (2) year \$22,815.00 Maintenance Bond dated October 8, 2014 was received and held, but the \$2,535 Maintenance Cash Surety was not collected; and

WHEREAS, the Township's Chief Financial Officer has verified the funds in the account for Aldo's Italian Restaurant Inc., (Pane Vino); and

WHEREAS, the Township's Engineer, Mr. Mark Di Gennaro, in a file memo, states that inspections have been completed and the release of funds held in the Developer's Trust account for engineering inspection, held in an interest bearing escrow account, of \$6,232.55 plus interest to date is authorized and that this project is considered closed.

WHEREAS, the Township's Consulting Engineer, Boswell Engineering, via email, states that inspections have been completed and that this project is considered closed.

WHEREAS, Diana McLeod, our Chief Financial Officer, will confirm and verify the interest to date, close out the Developer Trust account for Aldo's Restaurant, and issue a check for the final balance.

NOW, THEREFORE BE IT RESOLVED, by the Township Committee of the Township of Wyckoff, County of Bergen and State of New Jersey that they hereby accept the recommendation of the Township's Engineer, Mr. Mark Di Gennaro as well as the recommendation of Mr. Pete Ten Kate, Boswell Engineering, to release the \$6,232.55 plus interest to date held in a Developer's Trust account.

BE IT FURTHER RESOLVED, that the Township Clerk will forward a copy of this resolution to Mr. Aldo Cascio, Aldo's Italian Restaurant, Inc., 640 Wyckoff Avenue, Wyckoff, NJ 07481; and to both the Township Engineer, Mr. Mark Di Gennaro and Wyckoff's Chief Financial Officer, Diana McLeod.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND EXACT COPY OF A RESOLUTION ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-214**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

**REFERENCE: Implementation of Governor's
Executive Order #242**

VOTE: BOONSTRA ___ MADIGAN ___ MELCHIONNE ___ RUBENSTEIN ___ SHANLEY ___

WHEREAS, the Township Committee of the Township of Wyckoff has fully complied with all Executive Orders issued by the Governor relative to the efforts to combat the spread of the Covid-19 virus; and,

WHEREAS, Executive Order #242 returns many aspects of business and government operations to pre-pandemic procedures; and,

WHEREAS, the Governor's Executive Order #242 permits local governments to impose stricter requirements regarding the wearing of face masks; and,

WHEREAS, the Township Committee is desirous to open Town Hall to the public and move towards pre-pandemic procedures in a safe and controlled manner; and,

NOW, THEREFORE, BE IT RESOLVED, by the Township Committee of the Township of Wyckoff, County of Bergen, State of New Jersey that the following precautions are established:

1. Effective June 4, 2021, the 2nd floor Court Room in Town Hall can be utilized by the Township's Boards & Commissions for public meetings without numeric occupancy limitations. At such meetings opened to the public, vaccinated individuals may or may not choose to wear masks. Unvaccinated individuals in accordance with the Governor's Executive Order #242 should continue to wear face masks in indoor public spaces.
2. Effective, June 7, 2021, the Township's current public access by appointment and drop box option is modified to a procedure described as controlled public access Monday through Friday, 10:00 am to 3:00 pm with multiple drop-box options through September 30, 2021. Further described in the attachment.

All members of the public and all employees in indoor public spaces (hallways, stairwells, etc.) shall wear face masks. Employees who are not vaccinated should continue to wear face masks as indicated in Executive Order #242. Employees who are vaccinated do not have to wear face masks at their work stations, however, they should wear a mask if they encounter another employee within a six (6) foot radius.

BE IT FURTHER RESOLVED, that the Municipal Clerk shall provide a copy of this resolution to all Department Managers, Town Hall Employees and to the Secretary of each Board and Commission who shall distribute it to their respective Board members.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND EXACT COPY OF A RESOLUTION ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

**TOWNSHIP OF WYCKOFF
COUNTY OF BERGEN
STATE OF NEW JERSEY
RESOLUTION #21-215**

INTRODUCED:

SECONDED:

MEETING DATE: June 1, 2021

**REFERENCE: Assignments for Risk
Management**

VOTE: BOONSTRA ___ MADIGAN ___ MELCHIONNE ___ RUBENSTEIN ___ SHANLEY ___

WHEREAS, the Township of Wyckoff is a member of the Bergen Joint Insurance Fund, a consortium of municipalities formed to purchase insurance coverage; and,

WHEREAS, a Township of Wyckoff project team is working with our IT partners to manage risks and to establish procedures to obtain cybersecurity insurance coverage from the Bergen Joint Insurance Fund; and,

WHEREAS, the Joint Insurance Fund (JIF) Tier 3 program requires the assignment of tasks to in-house staff as a component of the risk management program; and,

NOW, THEREFORE, BE IT RESOLVED, by the Township Committee of the Township of Wyckoff, County of Bergen, State of New Jersey that in accordance with the requirements of the JIF program, the following appointments are made to the Cybersecurity Awareness Project Team (Task Force):

- Governing Body Liaison - Mayor
- Compliance Coordinator – Robert J. Shannon, Municipal Administrator
- Security Coordinator – Diana McLeod, Chief Financial Officer/Tax Collector
- Police Department Compliance Coordinator – David V. Murphy, Police Chief
- Police Department Security Coordinator – Sgt. Kyle Ferreira

BE IT FURTHER RESOLVED, that the Municipal Clerk shall provide a certified copy of this resolution to our IT Partners and those listed above.

CERTIFICATION

I, NANCY A. BROWN, ACTING MUNICIPAL CLERK OF THE TOWNSHIP OF WYCKOFF, CERTIFY THE ABOVE TO BE A TRUE AND EXACT COPY OF A RESOLUTION ADOPTED BY THE TOWNSHIP COMMITTEE ON JUNE 1, 2021.

NANCY A. BROWN
ACTING MUNICIPAL CLERK

ORDINANCE #1938

AN ORDINANCE TO MODIFY AND SUPPLEMENT CHAPTER #163, "STORMWATER MANAGEMENT" IN THE CODE OF THE TOWNSHIP OF WYCKOFF TO REFLECT THE FEDERAL COMPREHENSIVE REGULATIONS KNOWN AS STORMWATER CONTROL ORDINANCE.

BE IT ORDAINED by the Township Committee of the Township of Wyckoff, in the County of Bergen and the State of New Jersey, as follows:

Chapter 163, Stormwater Control

SECTION 1 Article 1 Local Regulations established by Ordinance #1447 and adopted September 16, 2003 remains as follows:

§ 163-1 Zero increase in stormwater runoff.

- A. It is in the best interest of the Township of Wyckoff to establish as a minimum requirement that all applications involving the construction of an in-ground pool, a new one- or two-family residence on vacant land or following the removal of an existing building or applications involving the expansion of a one- or two-family home which would result in an increase in the existing roof surface by more than 33% shall provide for a zero increase in stormwater runoff.
- B. Recent development of property within the Township of Wyckoff has increased the discharge of stormwater in the Township and specifically onto properties adjacent to such development.
- C. The construction and installation of in-ground pools has caused an increase in the discharge of stormwater in the Township and specifically onto properties adjacent to the in-ground pools.
- D. Recent development of properties within the Township of Wyckoff has resulted in the clear-cutting of trees and vegetation which has contributed to the increase in stormwater runoff.
- E. The Township of Wyckoff stormwater system has been impacted by the increase in the discharge of stormwater, which, if unregulated, will severely impede the operation of the stormwater system.
- F. Stormwater runoff created by the development of one-and two-family residential dwellings which is not subject to Planning Board review is currently unregulated.

§ 163-2 Purpose.

It is the purpose of this article to promote the public health, safety and general welfare to minimize public and private losses due to flood conditions and/or excessive stormwater runoff. Specifically, it is the intent of this article to:

- A. Protect human life and health.
- B. Minimize expenditure of public money for costly flood control projects.
- C. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- D. Minimize the negative impact of stormwater onto adjacent properties.
- E. Minimize damage to public facilities and utilities, such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in areas of special flood hazard.
- F. Help maintain a stable tax base by avoiding overutilization of municipal stormwater utilities.

§ 163-3 Applicability.

This article shall apply to:

- A. All applications for building permits for the construction of a one- or two-family residence or applications involving the tearing down of an existing one- or two-family residence.
- B. All applications for building permits for the enlargement or expansion to an existing one- or two-family residence in which the completed development shall have a roof surface area which is more than 33% greater than the existing roof area. When calculating roof surface area, all necessary structures shall be included.
- C. All applications involving the construction of in-ground pools.

§ 163-4 Application for building permit.

- A. All applications for a building permit for properties to which this article applies shall contain a grading plan prepared by a professional engineer which indicates topography, elevations and draining patterns. In addition, the application shall contain a written certification from a professional engineer certifying that there will be a zero increase in stormwater runoff as a result of the project.

- B. All applications for a building permit for properties to which this article applies shall contain a landscaping plan which shall depict all existing and proposed trees and vegetation as well as proposed seepage pits and/or dry wells for the project.
- C. The Township Engineer shall review each application for a building permit for properties to which this article applies and approve same if, in the opinion of the Township Engineer, after reviewing the grading and landscaping plans, there will be a zero increase in stormwater runoff.
- D. No building permit shall be issued for any project to which this article applies when, in the opinion of the Township Engineer, the applicant fails to provide for a zero increase in stormwater runoff.
- E. At the time of the application for a building permit for any project to which this article applies, the applicant shall deposit \$500 in escrow to cover or defray the cost of the Township Engineer's review of the application, grading plans and landscaping plans relative to stormwater runoff.
- F. Prior to the issuance of a certificate of occupancy or approval for construction performed in accordance with this article, the applicant's professional engineer shall certify in writing that the construction and/or landscaping was performed in accordance with the grading plans and that there is a zero increase in stormwater runoff.

§ 163-5 Protection of trees.

[Added 4-4-2017 by Ord. No. 1822]

- A. All applications for permits as described above in § 163-3 shall contain a landscaping plan which shall depict all existing and proposed trees and vegetation as well as the location and size of proposed seepage pits and/or dry wells for the project. For purposes of this section, a tree shall be defined as a deciduous or evergreen plant having a diameter of six inches or greater as measured 4.5 feet above the natural grade.
- B. Site plans and landscaping plans shall include:
 - (1) All existing trees which measure six-inches in diameter or greater as measured at 4.5 feet above natural grade.
 - (2) Demarcation of all trees proposed to be removed from the site.
 - (3) Demarcation of all trees to be preserved on the site.
 - (4) Tree preservation and protection details must be clearly shown on the plan protecting all existing trees.

~~(5) Demarcation of trees located in the public right-of-way with details confirming such trees will be protected and only removed with Township prior written approval.~~

(6) Details of an irrigation plan.

(7) Soil erosion control measures, including silt fence and limit of disturbance fencing.

C. Prior to obtaining construction permits in response to the above-referenced applications, the Township Engineer and/or Construction Official, hereinafter referred to as "Township Official," shall perform a site inspection to review the above. If in the discretion of the Township Official the removal of certain trees from the site is unnecessary, unwarranted, or would have a negative impact on stormwater management, such trees shall be preserved and will remain. A revised site plan shall be submitted consistent with the requirements of the Township Official, reflecting such change.

D. If the applicant disagrees with the Township Official's determination, a letter of appeal may be sent to the Wyckoff Shade Tree Commission for further review, and the Shade Tree Commission shall make a final determination with regard to the treatment of such trees. Work may be suspended by the Township Official until said matter is resolved.

E. No trees designated to be preserved pursuant to the approved landscape plan and issued permit and/or determination of the Shade Tree Commission shall be removed or damaged.

F. Failure of the owner and/or agent to comply with the terms and conditions of the issued permit and approved landscape plan, including but not limited to excavation and/or stockpiling soil within a tree protection zone, shall constitute a violation.

G. Prior to release of any permits, all soil erosion control measures, tree protection fencing and limit of disturbance fencing shall be installed to the satisfaction of the Township Official and shall be maintained throughout the construction process.

H. Penalties for violations of site plan and/or landscape plan:

(1) If the property owner/agent violates any requirements of this § 163-5 which results in the loss of a tree(s), they shall be subject to a fine of \$2,500 per lost tree. Such fine shall be payable through the Violations Bureau. In addition, the property owner shall further be required to replant trees on the property pursuant to the Township Official's direction and discretion. All violations of this section shall be subject a stop-work order.

~~(2)~~ In addition, all other violations of ~~§ 163-7~~ by the property owner or agent, which do not result in the loss of a tree(s), shall result in a fine of \$350 per violation to the property owner and/or agent. Such fines shall be payable through the Violations Bureau. Each day that the violation shall continue to exist shall constitute a separate and individual violation of this section.

§ 163-6 Severability.

If any sentence, section, clause or any portion of this article or the application thereof to any person or circumstance shall for any reason be adjudged by a Court of competent jurisdiction to be invalid, such judgement shall not effect, impair or repeal the remainder of this article.

SECTION 2, Article II Federal Regulations is hereby repealed and replaced with the following:

Article II Federal Regulations – Stormwater Control

§ 163-7 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.

A. Purpose.

The purpose of this ordinance is to establish minimum stormwater management requirements and controls for “major development,” as defined below in §163-8.

B. 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 under review by the Township of Wyckoff.~~

C. 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.

§163-8 Definitions.

For the purpose of this ordinance, the following terms, phrases, words and their derivations shall have the meanings stated herein unless their use in the text of this Chapter clearly demonstrates a different meaning. When not inconsistent with the context, words used in the present tense include the future, words used in the plural number include the singular number, and words used in the singular number include the plural number. The word "shall" is always mandatory and not merely directory. The definitions below are the same as or based on the corresponding definitions in the Stormwater Management Rules at N.J.A.C. 7:8-1.2.

"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.

"Compaction" means the increase in soil bulk density.

"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.

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

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

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

"Department" means the Department of Environmental Protection.

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

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

"Development" means the division of a parcel of land into two or more parcels, the construction, reconstruction, conversion, structural alteration, relocation or enlargement of any building or structure, any mining excavation or landfill, and any use or change in the use of any building or other structure, or land or extension of use of land, for which permission is required under the Municipal Land Use Law, N.J.S.A. 40:55D-1 *et seq.*

In the case of development of agricultural land, development means: any activity that requires a State permit, any activity reviewed by the County Agricultural Board (CAB) and the State Agricultural Development Committee (SADC), and municipal review of any activity not exempted by the Right to Farm Act, N.J.S.A 4:1C-1 *et seq.*

~~"Disturbance" means the placement or reconstruction of impervious surface or other~~
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.

"Drainage area" means a geographic area within which stormwater, sediments, or dissolved materials drain to a particular receiving waterbody or to a particular point along a receiving waterbody.

"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.

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

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

"Erosion" means the detachment and movement of soil or rock fragments by water, wind, ice, or gravity.

"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.

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

"Infiltration" is the process by which water seeps into the soil from precipitation.

"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
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."

"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.

"Municipality" means any city, borough, town, township, or village.

"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

~~specificity of additional best management practices and new information~~
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, provided the design engineer demonstrates to the municipality, in accordance with §163-10(F) of this ordinance 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 this chapter.

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

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

"Person" means any individual, corporation, company, partnership, firm, association, political subdivision of this State and any state, interstate or Federal agency.

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

"Recharge" means the amount of water from precipitation that infiltrates into the ground and is not evapotranspired.

"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.

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

"Site" means the lot or lots upon which a major development is to occur or has occurred.

"Soil" means all unconsolidated mineral and organic material of any origin.

"State Development and Redevelopment Plan Metropolitan Planning Area (PA1)" means an area delineated on the State Plan Policy Map and adopted by the State Planning Commission that is intended to be the focus for much of the State's future redevelopment and revitalization efforts.

"State Plan Policy Map" is defined as the geographic application of the State Development and Redevelopment Plan's goals and statewide policies, and the official map of these goals and policies.

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

"Stormwater management 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 runoff" means water flow on the surface of the ground or in storm sewers, resulting from precipitation.

"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.

"Urban Coordinating Council Empowerment Neighborhood" means a neighborhood given priority access to State resources through the New Jersey Redevelopment Authority.

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

"Urban Redevelopment Area" is defined as previously developed portions of areas:

1. Delineated on the State Plan Policy Map (SPPM) as the Metropolitan Planning Area (PA1), Designated Centers, Cores or Nodes;
2. Designated as CAFRA Centers, Cores or Nodes;
3. Designated as Urban Enterprise Zones; and
4. Designated as Urban Coordinating Council Empowerment Neighborhoods.

"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 two, 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.

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

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

§163-9 Design and 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.
- 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.

§163-10 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 §163-16.
- 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 §163-10. 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.

~~B. A waiver from strict compliance with the green infrastructure, groundwater recharge, stormwater runoff quality, and stormwater runoff quantity requirements of §163.10. O, 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 alternatives analysis, that through the use of stormwater management measures, the option selected complies with the requirements of §163-10. O, P, Q and R to the maximum extent practicable;
3. The applicant demonstrates that, in order to meet the requirements of §163-10. 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 §163-10.D.3 above within the upstream drainage area of the receiving stream, that would provide additional opportunities to mitigate the requirements of §163-10. 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 §163-10. 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

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

(Notes corresponding to annotations ^(a) through ^(g) are found under Table 3)

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)

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

(Notes corresponding to annotations ^(b) through ^(d) are found under Table 3)

Table 3 <u>BMPs for Groundwater Recharge, Stormwater Runoff Quality,</u> <u>and/or Stormwater Runoff Quantity</u> <u>only with a Waiver or Variance from N.J.A.C. 7:8-5.3</u>				
<u>Best Management Practice</u>	<u>Stormwater Runoff Quality TSS Removal Rate</u>	<u>Stormwater Runoff Quantity</u>	<u>Groundwater Recharge</u>	<u>Minimum Separation from Seasonal High Water Table</u>
<u>Blue Roof</u>	<u>0</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>
<u>Extended Detention Basin</u>	<u>40-60</u>	<u>Yes</u>	<u>No</u>	<u>1</u>
<u>Manufactured Treatment Device^(h)</u>	<u>50 or 80</u>	<u>No</u>	<u>No</u>	<u>Dependent upon the device</u>
<u>Sand Filter^(c)</u>	<u>80</u>	<u>Yes</u>	<u>No</u>	<u>1</u>
<u>Subsurface Gravel Wetland</u>	<u>90</u>	<u>No</u>	<u>No</u>	<u>1</u>
<u>Wet Pond</u>	<u>50-90</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>

Notes to Tables 1, 2, and 3:

- (a) subject to the applicable contributory drainage area limitation specified at §163-10.0.2;
- (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 §163-8;
- (h) manufactured treatment devices that do not meet the definition of green infrastructure at §163-8.

~~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 §163-12.B. Alternative stormwater management measures may be used to satisfy the requirements at §163-10.O only if the measures meet the definition of green infrastructure at §163-8. Alternative stormwater management measures that function in a similar manner to a BMP listed at Section O.2 are subject to the contributory drainage area limitation specified at Section 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 Section 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 §163-10.D is granted from §163-10.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);

~~Stormwater management measures shall be designed to minimize interference,~~ 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 §163-14.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 §163-14; 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 §420-2 may be used only under the circumstances described at §163-10.O.4.
- K. Any application for a new agricultural development that meets the definition of major development at §420-2 shall be submitted to the Soil Conservation District for review and approval in accordance with the requirements at §163-10.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 §163-10.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.

~~iv. Any stormwater management measure authorized under the municipal stormwater management plan or ordinance shall be reflected in a deed notice recorded in the Bergen County Clerk's Office located at: 1 Bergen County Plaza, Hackensack, New Jersey 07601. 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 §163.10.O, P, Q and R and shall identify the location of the stormwater management measure(s) in NAD 1983 State Plane New Jersey FIPS 42000 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 §163-16.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 §163-10 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 Clerk of the County of Bergen 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 §163-10.P and Q, the design engineer shall utilize green infrastructure BMPs identified in Table 1 at §163-10.F. and/or an alternative stormwater management measure approved in accordance with §163-10.G. The following green infrastructure BMPs are subject to the following maximum contributory drainage area limitations:

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

3. To satisfy the stormwater runoff quantity standards at §163-10.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 §163-10.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 §163-10.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 §163-10.G may be used to meet the groundwater recharge, stormwater runoff quality, and stormwater runoff quantity standards at §163-10.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 §163-10.P, Q and R, unless the project is granted a waiver from strict compliance in accordance with §163-10.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 §163-11, 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

	Cumulative		Cumulative		Cumulative
Time (Minutes)	Rainfall (Inches)	Time (Minutes)	Rainfall (Inches)	Time (Minutes)	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

5. 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.

6. 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 §163-10.P, Q and R.
7. 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.
8. 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

~~§163-11~~, 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.

§163-11 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/stelprd1044171.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/2014NJSoilErosionControlsStandardsComplete.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 §163-11.A.1.i and the Rational and Modified Rational Methods at §163-11.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, 420 Arctic Parkway, PO Box 420
Mail Code 420-01, Trenton, New Jersey 08625-0420.

§163-12 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.

~~§163-13 Solids and floatable materials control standards~~

A. Site design features identified under §163-10.F above, or alternative designs in accordance with §163-10.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 §163-13.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.

§163-14 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 §163-14.C.1, 163-14.C.2, and 163-14.C.3 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;

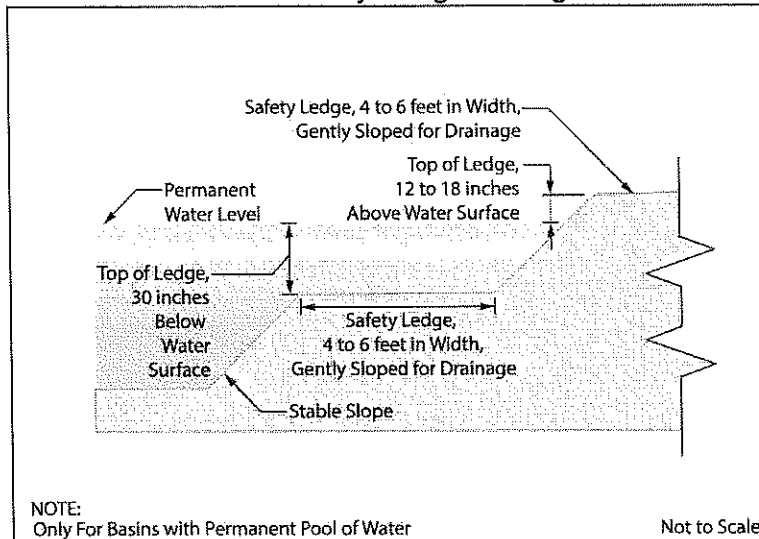
- ~~iii. The average velocity of flow through a clean trash rack is not to exceed 2.5~~
feet per second under the full range of stage and discharge. Velocity is to be computed on the basis of the net area of opening through the rack; and
 - iv. The trash rack shall be constructed of rigid, durable, and 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 §163-14.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 §163-14.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



§163-15 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 §163-15.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 three copies of the materials listed in the checklist for site development stormwater plans in accordance with §163-15.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 §163-9 through 163-11 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:

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 §163-10 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 §163-16.

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 §163-15.C.1 through 163-15.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.

§163-16 Maintenance and repair.

A. Applicability

Projects subject to review as in §163-7.C of this ordinance shall comply with the requirements of §163-16.B and 163-16.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 §163-16.B.3 above is not a public agency, the maintenance plan and any future revisions based on §163-16.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 §163-16.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 §163-16.B.6 and B.7 above.

8. The requirements of §163-16.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. In such event, a two-year maintenance bond, as required by N.J.S.A. 40:55D-53 shall be required, in accordance with Section C, below.

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.

§163-17 Penalties.

Any person who erects, constructs, alters, repairs, converts, maintains, or uses any building, structure or land in violation of this chapter shall be subject to a fine of not less than \$1,000 per violation.

§163-18 Enforcement.

This chapter shall be enforced by the Police Department, the Township Engineer, and or other code enforcement officials of or contracted by the Township of Wyckoff.

SECTION 3. Repealer. All ordinances or parts of Ordinances inconsistent or in conflict with this Ordinance are hereby repealed as to said inconsistencies and conflict.

SECTION 4. Severability. If any section, part of any section, or clause or phrase of this Ordinance is for any reason held to be invalid or unconstitutional, such decision shall not affect the remaining provisions of this Ordinance. The Governing Body of the Township of Wyckoff declares that it would have passed the Ordinance and each section and subsection thereof, irrespective of the fact that any one or more of the subsections, sentences, clauses or phrases may be declared unconstitutional or invalid.

SECTION 5. Effective Date. This Ordinance shall take effect immediately upon passage and publication according to law.