

# Stormwater Pollution Prevention Plan

*Borough of Demarest*

*Bergen County*

*Permit Number: NJG0150274*

*Annual Review Date: April 7, 2025*

Stormwater Program Coordinator: Dan Nywening

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## Form 1 – Team Members

<b>Stormwater Program Coordinator (SPC)</b>			
Name and Title		Dan Nywening – DPW Superintendent	
Phone		Email	
<b>Individual(s) Responsible for Major Development Project Stormwater Management Review</b>			
Name and Title		Nick Chelius, PE Borough Engineer, Planning/Zoning Board Engineer	
Phone	201-775-1283	Email	Nick.chelius@collierseng.com
Name and Title			
		Email	
<b>Other Municipal Stormwater Team Members</b>			
Name and Title		Kevin Burnette Zoning Officer and Construction Code Official	
Phone	201-768-3398	Email	construction@demarestnj.gov
Name and Title		Jason Gangi DPW	
Phone	201-954-6272	Email	jgangi@demarestnj.gov
Name and Title		Michael Greco Deputy Borough Clerk	
Phone	201-768-0167	Email	mgreco@demarestnj.gov
<b>Shared/Contracted Service Providers</b>			
Provider Name	Service Provided	Term of Service	
N/A	N/A	N/A	

## Form 2 – Revision History

Revision Date	Form # Changed	Reason for Revision (Updates to staff, policy, webpage, etc.)
5/4/2018	All	Updates to ordinances and standards
4/7/2025	All	Update to current standards

**Form 3 – Public Announcements**  
*Part IV.B. and C.*

1. Provide the link to the dedicated stormwater webpage for your municipality.
<a href="https://direct.demarestnj.gov/departments/dpw/stormwater-management">https://direct.demarestnj.gov/departments/dpw/stormwater-management</a>
2. List the name and title of person(s) responsible for stormwater webpage postings/updates.
Michael Greco, Deputy Borough Clerk
3. List the newspapers, social media outlets, websites, direct mailings (Email or postal), and other communication approaches typically used to inform/educate the public on stormwater program information and related events/activities.
Yearly Direct Mail Newsletter, Email, Facebook Posts, and Borough Website

**Form 4 – Post-Construction Stormwater Management in New Development and Redevelopment**

*Part IV.E.*

1. How does the municipality define “major development”? If it is different from the definition in N.J.A.C. 7:8, explain the difference.
<i>The Borough’s definition of a Major Development is the same as the definition provided in N.J.A.C. 7:8.</i>
2. Is the municipality’s stormwater control ordinance (SCO) the same as or more stringent than NJDEP’s model SCO? If more stringent, explain the difference.
The Boroughs Stormwater control ordinance is the same as the NJDEPs model ordinance.
3. Describe the process for reviewing major development project applications for compliance with the SCO and Residential Site Improvement Standards (RSIS).
<ul style="list-style-type: none"><li>• Application submitted to Planning Board</li><li>• Application reviewed by Planning Board Engineer and Board for compliance with SCO and RSIS.</li><li>• Changes made, if required.</li><li>• Project approved/denied by Planning Board via Resolution.</li><li>• During construction, project inspected by Borough Engineer for compliance with approved plans and SCO/RSIS requirements.</li></ul>

<p>4. Does your municipality have a mitigation plan included in your Municipal Stormwater Management Plan and Stormwater Control Ordinance? Indicate the location of records of all variances granted.</p>
<p>Yes. The physical location of location of records for all variances granted is:</p> <p>Demarest Borough Hall  118 Serpentine Road  Demarest, NJ 07627</p>
<p>5. Indicate the dates of each iteration of the township's Stormwater Control Ordinance, starting with the initial adoption and including revisions.</p>
<p>Initial adoption: 4/17/2006  Revisions: 3/22/2021; 8/26/2024, 3/10/2025</p>
<p>6. Indicate the dates of each iteration of the township's Municipal Stormwater Management Plan, starting with the initial adoption and including revisions.</p>
<p><i>January 2005, Revised 4/5/2005, Revised 2/14/2006, Revised 5/16/2018</i></p>

**Form 5 – Ordinances**  
*Part IV.F.1.*

<b>Ordinance</b>	<b>Date Adopted</b>	<b>Was the DEP model adopted without change? If not, explain how the municipality's is more stringent.</b>	<b>Entity Responsible for Enforcement</b>	<b>Fees &amp; Fines</b>
1. Pet Waste	8/26/2024	Yes	Code enforcement officer	\$1,000.00
2. Wildlife Feeding	7/8/2024	Yes	Code enforcement officer	\$1,000.00
3. Litter Control	4/7/2025	Yes	Police/Construction Official/Code Enforcement officer	\$100.00 - \$500.00
4. Improper Disposal of Waste	7/8/2024	Yes	Code enforcement officer	\$100.00 - \$500.00
5. Yard Waste	4/7/2025	Yes	Police/Construction Official/Code Enforcement officer	\$1,000.00
6. Private Storm Drain Inlet Retrofitting	8/23/2010	Yes	Police Department	\$1,000.00
7. Illicit Connections	8/26/2024	Yes	Code enforcement officer	\$1,000.00
8. Privately-Owned Salt Storage	7/8/2024	Yes	Code enforcement officer	\$1000.00
9. Tree Removal-Replacement	11/27/2023	No. The Borough of Demarest has included additional planting regulations.	Police Department, Construction official, Code Enforcement official	\$1000.00
<b>List any additional stormwater-related ordinances the municipality has adopted that address issues beyond the scope of the MS4 permit. Include adoption date, entity responsible for enforcement, and related fees and fines.</b>				
Not at this time				
<b>Indicate the location of records associated with ordinances and related violations and enforcement actions below.</b>				
Demarest Borough Hall 118 Serpentine Road Demarest, NJ 07627				



## Form 6 – Street Sweeping

### *Part IV.F.2.a.i. and ii.*

1. Provide a written description and/or attach a map outlining the sweeping schedule for the following:
  - Segments of municipal roads with storm drain inlets that discharge to surface water (required at least 3 times each year)
  - Segments of municipal roads that do not have storm drain inlets but do discharge to surface water (required at least 1 time each year)

*Note: Only asphalt and concrete roads need to be swept. Roads that do not have storm drain inlets and do not discharge to surface water do not need to be swept.*

Attached is a map of the Borough of Demarest outline the Sections and quadrants set forth for street sweeping.

The Borough is divided into 4 quadrants with 1 additional section for County Roads. All roads (both with and without storm drain inlets) are swept a minimum of 3 times per year on the following schedule:

Northwest Quadrant (Pink) – 1<sup>st</sup> week of March, June, August, October

Southwest Quadrant (Yellow) – 2<sup>nd</sup> week of March, June, August, October

Northeast Quadrant (Green) – 3<sup>rd</sup> week of March, June, August, October

Southeast Quadrant (Blue) – 4<sup>th</sup> week of March, June, August, October

The additional section (Black) is the County Roads which are swept 4 times annually (March, May, July, September)

2. Indicate if sweeping work is outsourced and if so, describe the arrangement.

No, street sweeping is performed by the Borough of Demarest

**Form 7 – MS4 Infrastructure**  
*Part IV.F.2-4. and Part IV.G.2-3.*

**1. Municipal Storm Drain Inlets**

- a. Describe how you ensure that municipal inlets without permanent wording cast into the design have been properly labelled.
- b. Describe how you ensure that municipal and private storm drain inlets have been retrofitted.
- c. Describe how you ensure that newly installed storm drain inlets include corresponding catch basins or other BMPs to collect solids.
- d. Describe when and how you conduct inspections of storm drain inlets and the criteria used to determine when they need to be cleaned.

- A. DPW to implement labeling system.
- B. Heads and Grates are replaced and updated to the latest standard during paving projects.
- C. The Township Engineer checks the plans for road projects and major developments to verify that a catch basin or other BMP to capture solids is included with, or downstream of, the affected storm drain inlets.
- D. DPW staff perform visual inspections of all storm drain inlets annually at a minimum. If debris or other issues are observed, the inlets are cleaned and/or repaired as needed.

**2. Municipal Catch Basins**

- a. Describe when and how you conduct inspections of catch basins.
  - b. Describe the criteria used to determine when catch basins need to be cleaned.
- 
- A. Storm inlets are identified on the Borough's infrastructure map. Inlets are inspected visually and cleaned if needed. Any problems/issues discovered will be logged accordingly for repair on a bi-annual basis.
  - B. DPW staff (or a contracted third party) check for debris collected in the Basin. If the basin is observed to be clogged it is scheduled to be cleaned out. Areas that are prone to flooding are inspected more frequently.
  - C. Each year we inspect at least 20% of the total catch basins on rotation and ensure all catch basins are inspected at least once within the 5 year permit cycle.

**3. Municipal Conveyance System**

Describe when and how inspections of MS4 conveyance systems are conducted, and the criteria used to determine when they need to be cleaned. Include a description of the equipment and techniques used.

N/A – No conveyance systems within the Borough.

**4. Municipal Outfall Inspections – Stream Scouring**

Describe the program in place to detect, investigate, and control localized stream scouring from stormwater outfalls. Include a description of the equipment and techniques used.

Demarest will implement a stormwater facility maintenance program to ensure that all stormwater facilities operated by the Town function properly. The Borough maintains GIS records of all outfalls and storm drains within the Borough. The outfalls will be inspected on a rotating basis (all to be inspected at least once every 5 years) to insure they are functioning properly. Each year we inspect at least 20% of the total outfalls and the surrounding areas for scouring. In high risk areas, preventative maintenance will be performed on all stormwater facilities to ensure they do not begin to fail.

All identified scour problems will be evaluated and prioritized for remediation. All restoration shall be made in accordance with the Soil Erosion and Sediment Control Standards in New Storm and the requirements for bank stabilization and channel restoration found at N.J.A.C. 7:13, as per our Tier A permit requirements. Prioritization of repairs will be based in part upon extent of scour, potential safety threat, and need for NJDEP permit(s).

**5. Municipal Outfall Inspections – Illicit Discharge Detection and Elimination**

Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfalls. Include a description of the equipment and techniques used. Record cases of illicit discharges using the DEP’s Illicit Connection Inspection Report Form from the Department’s main stormwater webpage.

Public Works will conduct an initial physical inspection of all outfall pipes on a rotating basis (all to be inspected at least once every 5 years). Each year we inspect at least 20% of the total outfalls. Outfall pipes that are found to have a dry weather flow or evidence of an intermittent non-stormwater flow will be rechecked to locate the illicit connection. If we are able to locate the illicit connection, and the connection is within the Borough of Demarest, we will cite the responsible party for being in violation of our Illicit Connection Ordinance, and we will have the connection eliminated immediately. If, after a reasonable amount of investigation, we are unable to locate the source of the illicit connection, we will submit the Closeout Investigation Form with our Annual Inspection and Recertification. If an illicit connection is found to originate from another public entity, the Town will report the illicit connection to the Department.

**6. Other Municipal Infrastructure**

List the types of MS4 infrastructure in your town that require inspection but are not noted above in items 1-5. Describe when and how you conduct inspections of this infrastructure and the criteria used to determine when they need to be maintained and/or cleaned.

N/A – The Borough of Demarest does not own any infiltration basins or MTDS

**7. Stormwater Facilities Not Owned or Operated by the Municipality**

Describe your program for ensuring adequate long-term cleaning, operation, and maintenance of stormwater facilities not owned or operated by the municipality. This should include your plan for ensuring annual inspections are being done on these private properties and describe how you record the locations and logs associated with private infrastructure.

Infiltration Basins – The property owner is responsible to conduct inspections according to maintenance plans that were approved by the township for the major development and provide records to the Borough. If the approved maintenance plan is not available, the suggested maintenance plan from the Department’s BMP Manual is adopted. Updates may be made to the maintenance plan based on the Department’s online guidance and in-person observations of the BMP’s functionality over time. The property owner is also responsible to conduct any necessary maintenance operations and submit records to the Borough.

Manufactured Treatment Devices (MTDs) – The property owner is responsible to conduct MTD inspections according to the manufacturer’s maintenance plans that were approved by the township for the major development and provide records to the Borough. Maintenance of MTDs is also the responsibility of the property owner in accordance with the O&M manual.

**8. Infrastructure Records**

Indicate the location of records related to stormwater infrastructure inspection, cleaning, maintenance, and repair activities.

Borough of Demarest keeps an inventory list of all stormwater infrastructure with records of inspections, cleanings, routine maintenance work, investigations of illicit connections and scouring near outfalls, and repairs that have been done as well as those projected for completion each year. These records are kept in the DPW office.

## Form 8 – Community-wide Measures

### Part IV.F.2.

<b>1. Herbicide Application Management</b> Describe your program for preventing herbicides from being washed into the waters of the State and to prevent erosion caused by de-vegetation.
The borough does not use herbicides.
<b>2. Excess Deicing Material Management</b> Describe your program for ensuring that excess salt piles are removed in a timely manner after storm events.
Salt is stored in enclosed shed at DPW site. Any excess de-icing material is removed within 72hrs of a storm event.
<b>3. Roadside Vegetative Waste</b> Describe your program for ensuring proper pickup, handling, storage, and disposal of wood waste and yard trimmings generated by the permittee along municipal roads or on municipal properties (trimming trees, mowing, etc.).
Vegetative waste is containerized and shipped to a facility that can accept it.
<b>4. Roadside Erosion Control</b> Describe your program to detect and repair erosion along municipal roadways.
Annual roadside inspections are performed and repairs performed as needed.

# Form 9 – Municipal Maintenance Yards & Other Ancillary Operations

## Part IV.F.5.

*Please complete a separate Form 9 for each yard or site. Indicate the number of yards/sites the municipality owns or operates: \_\_\_\_\_*

<b>1. Site Name and Address</b>	
22 Wakelee Drive, Demarest NJ	
<b>2. Monthly Site Inspections</b>	
Describe the nature of inspections conducted at this site and the location of inspection logs.	
The DPW performs monthly walk throughs of the Building and DPW yard. Logs of findings will be kept at the DPW building	
<b>3. Inventory List</b>	
List all materials and machinery that are potentially exposed to stormwater.	
<b>Materials</b>	<b>Machinery/Equipment</b>
<i>Waste oil drum</i>	Everything stored indoors
<i>Fuel Cube</i>	

<p><b>4. Discharge of Stormwater from Secondary Containment</b> Describe the process in place for discharging stormwater from secondary containment areas where outdoor containers are stored.</p>
<p>No secondary containment on site.</p>
<p><b>5. Fueling Operations</b> Does fueling occur on site? If so, describe the BMPs in place to minimize contamination of stormwater from fueling activities. If not, explain where fueling takes place.</p>
<p>Yes, fueling occurs on site. Fuel has electronic shut off to avoid spillage. Necessary instructions for safe operations of fueling equipment are posted in the DPW facility.</p>
<p><b>6. Vehicle/Equipment Maintenance and Repair</b> Do you perform maintenance and repair on site? Is this conducted indoors or outdoors? If outdoors, describe the BMPs in place to minimize contamination of stormwater from maintenance and repair activities.</p>
<p>Repairs conducted indoor. Spill kits and absorbent pads used to clean up any spills from vehicle maintenance.</p>
<p><b>7. Wash Wastewater Containment</b> Do you wash vehicles on site? If so, describe the BMPs in place to minimize contamination of stormwater from these activities. Note that on site containment structures require annual inspections by a NJ licensed professional engineer. If not, explain where vehicle washing takes place.</p>
<p>DPW does not wash vehicles on site.</p>



<p><b>8. Salt and Other Granular De-icing Materials</b> Do you store salt and other granular deicing materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>Yes, salt is stored indoors in a garage.</p>
<p><b>9. Aggregate Material, Wood Chips, and Finished Leaf Compost</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>No materials stored on site. Materials are stored at a minimum of 50 feet from surface water bodies, or the MS4.</p>
<p><b>10. Cold Patch Asphalt</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>Materials are stored indoors</p>
<p><b>11. Street Sweepings and Storm Sewer Cleanout Materials</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>These materials are containerized and shipped to an approved facility</p>
<p><b>12. Construction and Demolition Waste, Wood Waste, and Yard Trimmings</b> Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.</p>
<p>These materials are containerized and shipped to an approved facility</p>

**13. Scrap Tires**

Do you store these materials on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater from these materials. If not, explain where these materials are stored.

The Borough does not accept scrap tires

**14. Inoperable Vehicles and Equipment**

Do you store inoperable vehicles or equipment on site? If so, describe how they are stored and the BMPs in place to minimize contamination of stormwater. If not, explain where they are stored.

The Borough does not store inoperable vehicles.

## Form 10 – Training

### Part IV.F.6-10.

<b>Stormwater Program Coordinators</b>
Describe the training provided for the municipal Stormwater Program Coordinator.
The Stormwater Program Coordinator (SPC) for Storm Township attends NJDEP training every permit cycle. Training covers the SPC responsibilities, permit conditions, annual reporting, and required submissions and documentation.

<b>Topic</b>	<b>Municipal Employees</b>
Examples: in-person or virtual group sessions, e-Learning, field trainings, and videos	
Describe the training provided for municipal staff.	
SPPP	<p>DPW Superintendent trains staff whose job duties support the stormwater program. Training on the site-specific details in the SPPP, review MS4 permit requirements, and record-keeping is conducted annually via combined in-person/virtual training.</p> <p>This and all these training modules listed below are also recorded and made available for informational purposes for staff to re-review certain material presented, and for any absent or new staff, or staff that takes on new responsibilities prior to the next training session.</p>
Construction Site Stormwater Runoff	<p>Staff responsible for inspections of construction projects that disturb one acre of soil or more, are trained annually on related MS4 permit conditions. Property owners must obtain a 5G3 permit from NJDEP prior to commencement of construction activities and must comply with their approved soil erosion and sediment control plan.</p>
Post-Construction Stormwater Management in New and Redevelopment	<p>Staff responsible for implementing stormwater permit requirements receive an annual review of the fundamentals of the municipality’s post-construction stormwater management program to address stormwater runoff. Training explains the municipality’s definition of major development and the interconnection among the Stormwater Management rules at N.J.A.C. 7:8, the Borough of Demarest Township SCO, stormwater permit conditions, the Department’s BMP Manual, and Guidance Documents.</p>

	<p>For example, we identify where the Department’s maintenance guidance is available on the website for DPW staff reference when an approved maintenance plan does not exist.</p>
Community-wide Ordinances	<p>Staff responsible for approving and/or enforcing stormwater-related ordinances receive annual training on related MS4 permit conditions and to review the purpose of each ordinance and what steps to take if violations are reported.</p>
Community-wide Measures	<p>Staff responsible for conducting activities associated with community-wide stormwater management measures attend annual training to discuss the MS4 permit requirements and town specific measures employed to comply with the street sweeping, storm drain inlets (labeling, retrofitting, and installations), herbicide application, de-icing operations, roadside vegetative waste, and roadside erosion control requirements. Information is also presented regarding current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.</p>
Stormwater Facilities Maintenance	<p>Staff responsible for conducting activities associated with inspections, maintenance and repair of stormwater infrastructure attend annual training on the MS4 related permit requirements. This training details what infrastructure is to be maintained according to approved manufacturers’ maintenance plans, versus the remaining infrastructure that is to be maintained according to the NJDEP’s BMP Manual. Training also includes requirements for current BMPs, safety equipment and procedures, frequency of activities, and proper documentation of work.</p> <p>All types of stormwater infrastructure in the Township are addressed in the training, which includes but is not limited to storm drain inlets, catch basins, piped and open swale MS4 conveyances, stormwater infiltration basins, and manufactured treatment devices.</p>

Municipal Maintenance Yards and Other Ancillary Operations	Staff responsible for conducting activities associated with our municipal maintenance yard and salt yard attend annual training to discuss related MS4 permit conditions, current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.
MS4 Mapping	The Borough Engineer who prepares and submits our electronic mapping of stormwater infrastructure attend annual training to review the MS4 permit requirements for electronic mapping
Outfall Stream Scouring	<p>Staff responsible for conducting inspections and repairs of stormwater outfalls attend annual training to discuss how to identify, remediate, and document cases of stream scouring as described in the MS4 permit.</p> <p>Training also includes current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.</p>
Illicit Discharge Detection and Elimination	Staff responsible for conducting inspections and repairs of stormwater outfalls attend annual training to discuss how to identify, remediate, and document cases of illicit discharge as described in the MS4 permit. Training also includes current best management practices, safety equipment and procedures, frequency of activities, and proper documentation of work.

<b>Stormwater Management Design Reviewers</b>
Describe the training provided for individuals responsible for reviews and approvals of stormwater management designs.
Individuals who review and approve stormwater management designs for major developments on behalf of the municipality are required under the MS4 permit to attend the mandatory NJDEP Stormwater Management Design Review course at least once every 5 years. They are required by the MS4 permit to also attend mandatory NJDEP training on amendments to the stormwater management rules at N.J.A.C. 7:8.

<b>Municipal Board and Governing Body Members</b>
Describe the training provided for members of the planning/zoning board and municipal council.
<p>Within 6 months of joining town council or the planning or zoning board, each member is required under the MS4 permit to watch the NJDEP video titled, Asking the Right Questions in Stormwater Review <a href="https://nj.gov/dep/stormwater/asking_the_right_questions.html">https://nj.gov/dep/stormwater/asking_the_right_questions.html</a>.</p> <p>Each term thereafter, members are required to watch another NJDEP video from the choices provided on the stormwater training webpage:</p> <p>Stormwater Management Rules Applicability <a href="https://nj.gov/dep/stormwater/training.htm">https://nj.gov/dep/stormwater/training.htm</a></p> <p>Stormwater Management Rules Planning <a href="https://nj.gov/dep/stormwater/training.htm">https://nj.gov/dep/stormwater/training.htm</a></p> <p>Stormwater Management Rules Design &amp; Performance <a href="https://nj.gov/dep/stormwater/training.htm">https://nj.gov/dep/stormwater/training.htm</a></p> <p>Stormwater Management Rules Safety <a href="https://nj.gov/dep/stormwater/training.htm">https://nj.gov/dep/stormwater/training.htm</a></p> <p>Stormwater Management Through General Permit for MS4s <a href="https://nj.gov/dep/stormwater/training.htm">https://nj.gov/dep/stormwater/training.htm</a></p>

<b>Training Records</b>
Indicate the location of training records for the above required training.
<i>118 Serpentine Road, Demarest NJ</i>

## Form 11 – MS4 Mapping

### Part IV.G.1.

1. Provide a link to the most current MS4 outfall/infrastructure map.	
<a href="https://demarestnj.gov/government/stormwater">https://demarestnj.gov/government/stormwater</a>	
2. Indicate the total of each type of MS4 infrastructure listed below (due 01 Jan 2026).	
a. MS4 outfalls	38
b. MS4 ground water discharge points (basins or overland flow infiltration areas)	
c. MS4 interconnections	
d. MS4 storm drain inlets	441
e. MS4 manholes	95
f. Length of conveyance (channels, pipes, ditches, etc.)	12
g. MS4 pump stations	
h. MS4 stormwater facilities (any that are not listed above)	
i. Maintenance yard(s) and other ancillary operations	
3. Describe how the municipality’s outfall/infrastructure map is reviewed and updated to reflect any new or newly identified MS4 infrastructure (e.g., an outfall is closed, a new basin is constructed, ownership of an outfall has changed, etc.).	
<p>Outfalls are inspected on a rotating basis and updated in the GIS database. Inlets are inspected on an annual basis and updated on the GIS database.</p>	
4. Describe how the municipality will create and update its MS4 Infrastructure Map.	
<p>The infrastructure map will be maintained, updated, and generated through the ArcGIS database.</p>	

## Form 12 – Watershed Improvement Plan

### Part IV.H.

#### 1. Describe how your municipality is developing its Watershed Improvement Plan.

Watershed Improvement Plan will describe what actions Demarest Borough will take to:

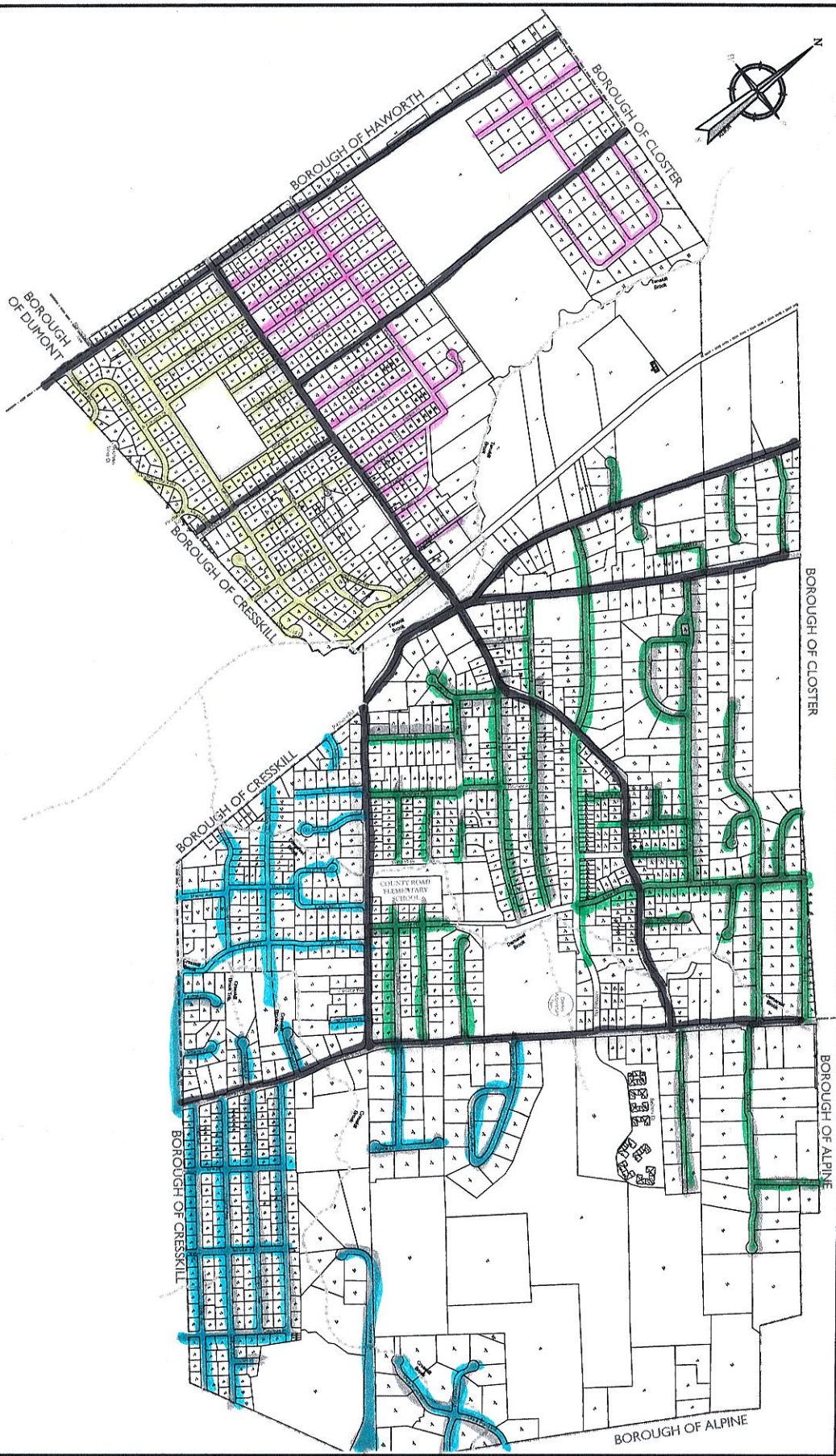
- Improve water quality by reducing the contribution of pollutant parameters for all receiving waters within and bordering the town that have percent reductions listed for stormwater in the Total Maximum Daily Loads;
- Improve water quality by reducing the contribution of pollutant parameters for all receiving waters within and bordering the town that have water quality impairments; and
- Reduce and/or eliminate stormwater flooding in the municipality, prioritizing the areas of flooding for corrective actions based on threat to human health and safety, environmental impacts, and frequency of occurrence.

The Watershed Improvement plan will be developed in three phases:

1. A Watershed Inventory Report shall be prepared and submitted to NJDEP that includes descriptions and mapping of;
  - a. All stormwater outfalls owned/operated by Demarest;
  - b. The drainage area for each outfall(s);
  - c. The receiving waterbodies of those outfalls;
  - d. The water quality classification of all receiving waterbody segments;
  - e. All stormwater interconnections from Demarest into another entities' sanitary sewer system;
  - f. The drainage area for each interconnection into another entities' storm or sanitary sewer system;
  - g. All stormwater connection points into the municipality from another entities' storm sewer system;
  - h. All storm drain inlets owned/operated by Demarest;
  - i. Area associated with each TMDL for waters that lie within or bordering the municipality;
  - j. Area associated with each water quality impairment for waters that lie within or bordering the municipality;
  - k. Overburdened communities;
  - l. Impervious areas; and
  - m. The location and ownership of all stormwater outfalls and basins/infrastructure not owned/operated by Demarest.
2. A Watershed Assessment Report shall be prepared and submitted to the NJDEP which shall include the following:
  - a. An assessment of potential water quality improvement projects by sub-watershed and parameter;
  - b. An estimate of the percent reduction in loading of the TMDL/impaired parameters due to projects;
  - c. A summary of feedback from public information sessions;
  - d. An estimate of funding needs for each project, and identification of potential funding sources, including the New Jersey Water Bank (NJWB); the formation of an SWU, using 319 grants, FEMA BRIC grants; and
  - e. An estimate of an implementation schedule.
3. The Watershed Assessment Report will be posted along with an announcement of a 60-day comment period for formal public input on the Demarest website. The final Watershed Improvement Plan Report shall be prepared and submitted to the NJDEP, which shall include:



<p>A summary of proposed locations and load reductions of water quality improvement projects, both public and private, to be implemented;</p> <p>b. A summary of the public comments received, and the changes made to the Final Plan;</p> <p>c. A summary of how the projects will be coordinated with other regulatory requirements, such as:</p> <ul style="list-style-type: none"> <li>o flood protection;</li> <li>o endangered habitat/species;</li> <li>o surface &amp; ground drinking water protection;</li> <li>o climate change/resiliency;</li> <li>o green infrastructure/SWM requirements;</li> <li>o wildlife corridors;</li> <li>o green acres;</li> <li>o environmental justice;</li> <li>o Combined Sewer Overflow Long Term Control Plans;</li> <li>o wetlands;</li> <li>o riparian buffers;</li> <li>o forest corridors;</li> <li>o related ongoing projects;</li> <li>o Pinelands Commission;</li> <li>o Highlands Council; and</li> <li>o Delaware River Basin Commission.</li> </ul> <p>d. The proposed implementation schedule for the water quality improvement projects;</p> <p>e. A schedule of the public information sessions to be held;</p> <p>f. Problems identified that are outside the jurisdiction of the permittee, if any. These can be related to pollutant loading due to agricultural properties, or other lands not under the jurisdiction of the municipality, and opportunities to address them;</p> <p>e. Costs, broken down by project and year, the funding opportunities that will be sought; and</p> <p>f. This plan shall describe how stormwater related problems in overburdened communities have been prioritized.</p>
<p>2. Describe any regional projects or collaboration efforts with other municipalities.</p>
<p>N/A</p>
<p>3. Indicate the location of records related to all public information sessions and meetings for discussions of the Watershed Improvement Plan.</p>
<p>Records of public information sessions and meetings are kept at Borough Hall and uploaded to the Borough website.</p>



NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

ROADWAY PAVING MAP  
FOR  
BOROUGH OF  
DEMARSEST

DEMARSEST  
BERGEN COUNTY  
NEW JERSEY

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of  
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REV	DATE	DRAWN BY	DESCRIPTION

**Collins**  
Engineering  
& Design

www.collinsengineering.com  
1000 Park Avenue, Suite 200  
Fairfield, NJ 07004  
Tel: 908.233.8800  
Fax: 908.233.8801

**MASER**  
Professional Engineering  
1000 Park Avenue, Suite 200  
Fairfield, NJ 07004  
Tel: 908.233.8800  
Fax: 908.233.8801