

STORMWATER POLLUTION PREVENTION PLAN

NJDES #NJG0148075

Prepared for the
Borough of Beachwood
Ocean County, New Jersey
MARCH 9, 2021



9 Allen Street
Toms River, NJ 08753
(732) 286-9220

RVE Project No. 1505-T-023

A handwritten signature in blue ink, appearing to be "AD", is written over a horizontal line.

Signature

Alan Dittenhofer, PE, PP, CME

License # 37672

A handwritten date "3/9/21" in blue ink is written over a horizontal line.

Date

SPPP Table of Contents

- Form 1 – SPPP Team Members (permit cite IV F 1)
- Form 2 – Revision History (permit cite IV F 1)
- Form 3 – Public Involvement and Participation Including Public Notice (permit cite IV B 1)
- Form 4 – Public Education and Outreach (permit cite IV B 2 and Attachment B)
- Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program (permit cite IV B 4 and Attachment D)
- Form 6 – Ordinances (permit cite IV B 5)
- Form 7 – Street Sweeping (permit cite IV B 5 b)
- Form 8 – Catch Basin and Storm Drain Inlets (permit cite IV B 2, IV B 5 b ii, and Attachment C)
- Form 9 – Storm Drain Inlet Retrofitting (permit cite IV B 5 b)
- Form 10 – Municipal Maintenance Yards and Other Ancillary Operations (permit cite IV B 5 c and Attachment E)
- Form 11 – Employee Training (permit cite IV B 5 d, e, f)
- Form 12 – Outfall Pipes (permit cite IV B 6 a, b, c)
- Form 13 – Stormwater Facilities Maintenance (permit cite IV C 1)
- Form 14 – Total Maximum Daily Load Information (permit cite IV C 2)
- Form 15 – Optional Measures (permit cite IV E 1 and IV E 2)

SPPP Form 1 – SPPP Team Members

Stormwater Program Coordinator (SPC)	
Print/Type Name and Title	Robin Clayton, Clerk Typist
Office Phone # and eMail	732-286-6000 ; beachwoodpw@comcast.net
Signature/Date	
Individual(s) Responsible for Major Development Project Stormwater Management Review	
Print/Type Name and Title	John Hess, P.E., C.M.E. - CME Associates - Engineer
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
Other SPPP Team Members	
Print/Type Name and Title	John LeCompte, P.E., P.P., C.M.E. - Remington & Vernick Engineers
Print/Type Name and Title	Kate Hutchinson - Municipal Clerk
Print/Type Name and Title	Gabriel Silva, Assistant Director of Public Works
Print/Type Name and Title	
Print/Type Name and Title	

SPPP Form 2 – Revision History

Please record changes to the signature page and updates to the approach taken to comply with the permit, e.g., new street sweeping frequency, change to shared services, etc.

	Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
1.				
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SPPP Form 3 – Public Involvement and Participation Including Public Notice

All records must be available upon request by NJDEP.

1. Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:	
2. Date of most current SPPP:	March 4, 2021
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	
4. Date of most current MSWMP:	March 4, 2021
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	
6. Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of a MS4 stormwater program:	

SPPP Form 4 – Public Education and Outreach

All records must be available upon request by NJDEP.

1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.

2. Describe how businesses and the general public within the municipality are educated about the hazards associated with illicit connections and improper disposal of waste.

3. Indicate where public education and outreach records are maintained.

Public education and outreach records are maintained at the Public Works Office, recycling center, and Municipal Building.

SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

All records must be available upon request by NJDEP.

1. How does the municipality define 'major development'?

2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?

3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?

SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

All records must be available upon request by NJDEP.

<p>4. Describe the process for reviewing major development project applications for compliance with the Stormwater Control Ordinance (SCO) and Residential Site Improvement Standards (RSIS). Attach a flow chart if available.</p>	
<p>5. Does the Municipal Stormwater Management Plan include a mitigation plan?</p>	
<p>6. What is the physical location of approved applications for major development projects, Major Development Summary Sheets (permit att. D), and mitigation plans?</p>	

SPPP Form 6 – Ordinances

All records must be available upon request by NJDEP.

Ordinance permit cite IV.B.1.b.iii	Date of Adoption	Website URL	Was the DEP model ordinance adopted without change?	Entity responsible for enforcement
1. Pet Waste permit cite IV.B.5.a.i	10/01/2005	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
2. Wildlife Feeding permit cite IV.B.5.a.ii	10/01/2005	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
3. Litter Control permit cite IV.B.5.a.iii	10/01/2005	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	10/01/2005	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	10/01/2005	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi				
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	04/01/2006	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	10/01/2005	https:// www.beachwoodusa.com /	Yes	Public Works, Police & Code Enforcement
9. Optional: Refuse Container/ Dumpster Ordinance permit cite IV.E.2	03/01/2010	https:// www.beachwoodusa.com /	Yes	Police & Code Enforcement
Indicate the location of records associated with ordinances and related enforcement actions:				

SPPP Form 7 – Street Sweeping

All records must be available upon request by NJDEP.

1. Provide a written description or attach a map indicating which streets are swept as required by the NJPDES permit. Describe the sweeping schedule and indicate if any of the streets are swept by another entity through a shared service arrangement.

2. Provide a written description or attach a map indicating which streets are swept that are NOT required to be swept by the NJPDES permit. Describe the sweeping schedule and indicate if any of the streets are swept by another entity through a shared service arrangement.

3. Does the municipality provide street sweeping services for other municipalities? If so, please describe the arrangements.

4. Indicate the location of records, including sweeping dates, areas swept, number of miles swept and total amount of wet tons collected each month. Note which records correspond to sweeping activities beyond what is required by the NJPDES permit, i.e., sweepings of streets within the municipality that are not required by permit to be swept or sweepings of streets outside of the municipality.

SPPP Form 8 – Catch Basins and Storm Drain Inlets

All records must be available upon request by NJDEP.

1. Describe the schedule for catch basin and storm drain inlet inspection, cleaning, and maintenance.
2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.
3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.
4. Describe the inspection schedule and maintenance plan for storm drain inlet labels on storm drains that do not have permanent wording cast into the design.
5. Indicate the location of records of catch basin and storm drain inlet inspections and the wet tons of materials collected during catch basin and storm drain inlet cleanings.

SPPP Form 9 – Storm Drain Inlet Retrofitting

All records must be available upon request by NJDEP.

1. Describe the procedure for ensuring that municipally owned storm drain inlets are retrofitted.
2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.
3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.
4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.

SPPP Form 10 – Municipal Maintenance Yards and Other Ancillary Operations

All records must be available upon request by NJDEP.

Complete separate forms for each municipal yard or ancillary operation location.

Address of municipal yard or ancillary operation:

List all materials and machinery located at this location that are exposed to stormwater which could be a source of pollutant in a stormwater discharge:

Raw materials –

Intermediate products –

Final products –

Waste materials –

By-products –

Machinery –

Fuel –

Lubricants –

Solvents –

Detergents related to municipal maintenance yard or ancillary operations –

Other –

SPPP Form 10 – Municipal Maintenance Yards and Other Ancillary Operations

All records must be available upon request by NJDEP.

For each category below, describe the best management practices in place to ensure compliance with all requirements in permit Attachment E. If the activity in the category is not applicable for this location, indicate where it occurs.

Indicate the location of inspection logs and tracking forms associated with this municipal yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or have been planned.

1. Fueling Operations

2. Vehicle Maintenance

3. On-Site Equipment and Vehicle Washing

See permit attachment E for certification and log forms for Underground Storage Tanks.

4. Discharge of Stormwater from Secondary Containment

SPPP Form 10 – Municipal Maintenance Yards and Other Ancillary Operations

All records must be available upon request by NJDEP.

5. Salt and De-Icing Material Storage and Handling
6. Aggregate Material and Construction Debris Storage
7. Street Sweepings, Catch Basin Clean Out and Other Material Storage
8. Yard Trimmings and Wood Waste Management Sites
9. Roadside Vegetation Management

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SPPP Form 11 – Employee Training

All records must be available upon request by NJDEP.

<p>A. Municipal Employee Training: Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below as required due to job duties assigned within three months of commencement of duties and again on the frequency below. Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic.</p>		
Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard Operations (including Ancillary Operations)	Every year	TJ Rocklage & Gabriel Sliva, Public Works
2. Stormwater Facility Maintenance	Every year	TJ Rocklage & Gabriel Sliva, Public Works
3. SPPP Training & Recordkeeping	Every year	TJ Rocklage & Gabriel Sliva, Public Works
4. Yard Waste Collection Program	Every 2 years	TJ Rocklage & Gabriel Sliva, Public Works
5. Street Sweeping	Every 2 years	TJ Rocklage & Gabriel Sliva, Public Works
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	TJ Rocklage & Gabriel Sliva, Public Works
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	TJ Rocklage & Gabriel Sliva, Public Works
8. Waste Disposal Education	Every 2 years	TJ Rocklage & Gabriel Sliva, Public Works
9. Municipal Ordinances	Every 2 years	Borough Engineer
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Borough Engineer
<p>B. Municipal Board and Governing Body Members Training: Required for individuals who review and approve applications for development and redevelopment projects in the municipality. This includes members of the planning and zoning boards, town council, and anyone else who votes on such projects. Training is in the form of online videos, posted at www.nj.gov/dep/stormwater/training.htm.</p> <p>Within 6 months of commencing duties, watch <i>Asking the Right Questions in Stormwater Review Training Tool</i>. Once per term thereafter, watch at least one of the online DEP videos in the series available under Post-Construction Stormwater Management. Indicate the location of records documenting the names, video titles, and dates completed for each board and governing body member.</p>		
<p>C. Stormwater Management Design Reviewer Training: All design engineers, municipal engineers, and others who review the stormwater management design for development and redevelopment projects on behalf of the municipality must attend the first available class upon assignment as a reviewer and every five years thereafter. The course is a free, two-day training conducted by DEP staff. Training dates and locations are posted at www.nj.gov/dep/stormwater/training.htm. Indicate the location of the DEP certificate of completion for each reviewer.</p>		

STORMWATER MANAGEMENT DESIGN REVIEWER TRAINING

Jamison Zimmerman - May 10th & May 11th, 2017 in Bordentown, NJ

John LeCompte - November 2020

SPPP Form 12 – Outfall Pipes

All records must be available upon request by NJDEP.

1. **Mapping:** Attach an image or provide a link to the most current outfall pipe map. Maps shall be updated at the end of each calendar year.

Note that ALL maps must be electronic by 21 Dec 2020 via the DEP's designated electronic submission service. For details, see http://www.nj.gov/dep/dwq/msrp_map_aid.htm.

2. **Inspections:** Describe the outfall pipe inspection schedule and indicate the location of records of dates, locations, and findings.

3. **Stream Scouring:** Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes. Indicate the location of records related to cases of localized stream scouring. Such records must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases.

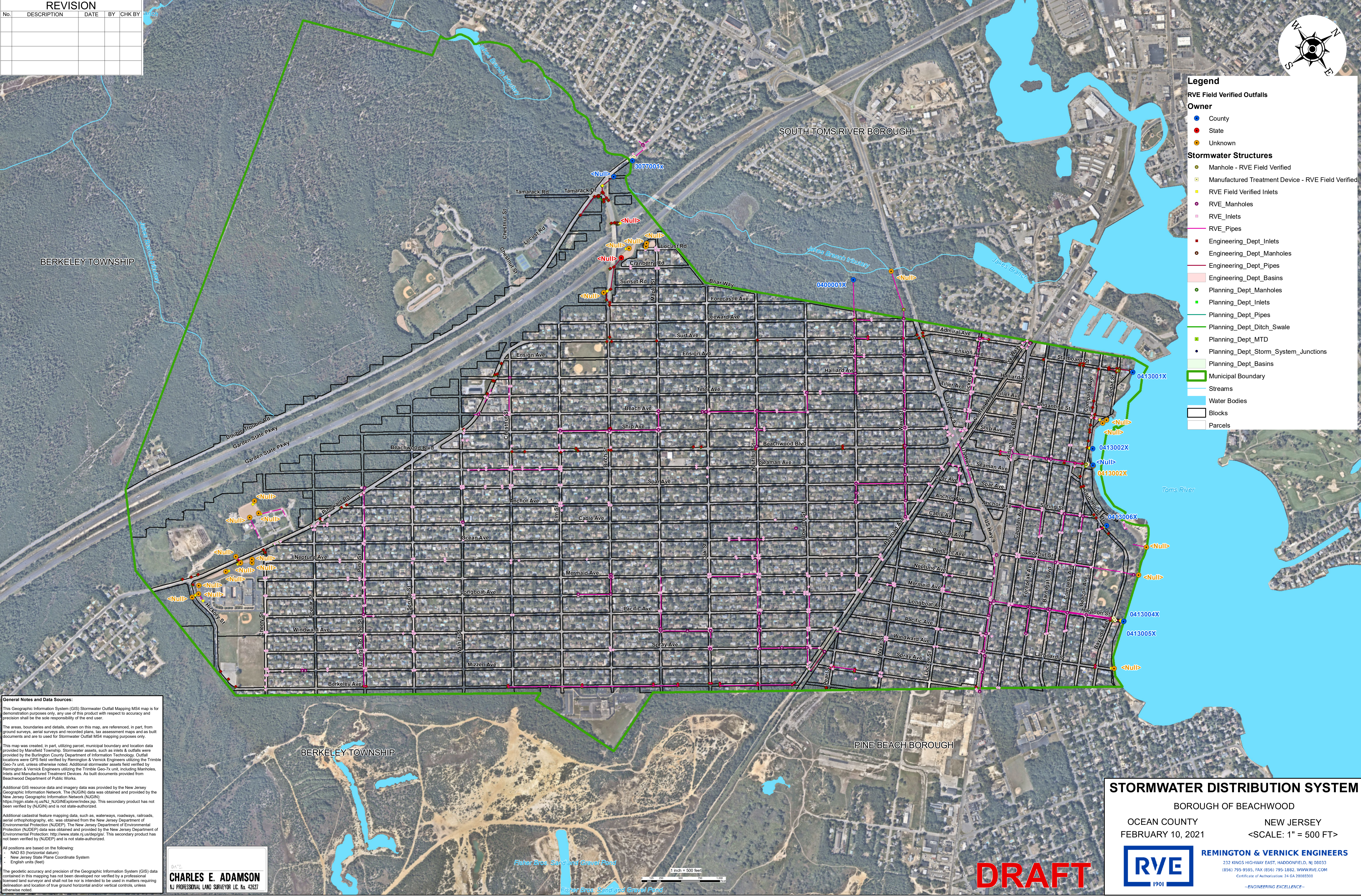
SPPP Form 12 – Outfall Pipes

All records must be available upon request by NJDEP.

4. **Illicit Discharges:** Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfall pipes. Record cases of illicit discharges using the DEP's Illicit Connection Inspection Report Form (www.nj.gov/dep/dwq/tier_a_forms.htm) and indicate the location of these forms and related illicit discharge records.

Note that Illicit Connection Inspection Report Forms shall be included in the SPPP and submitted to DEP with the annual report.

REVISION				
No.	DESCRIPTION	DATE	BY	CHK BY



Legend

RVE Field Verified Outfalls

Owner

- County
- State
- Unknown

Stormwater Structures

- Manhole - RVE Field Verified
- Manufactured Treatment Device - RVE Field Verified
- RVE Field Verified Inlets
- RVE_Manholes
- RVE_Inlets
- RVE_Pipes
- Engineering_Dept_Inlets
- Engineering_Dept_Manholes
- Engineering_Dept_Pipes
- Engineering_Dept_Basins
- Planning_Dept_Manholes
- Planning_Dept_Inlets
- Planning_Dept_Pipes
- Planning_Dept_Ditch_Swale
- Planning_Dept_MTD
- Planning_Dept_Storm_System_Junctions
- Planning_Dept_Basins
- Municipal Boundary
- Streams
- Water Bodies
- Blocks
- Parcels

General Notes and Data Sources:

This Geographic Information System (GIS) Stormwater Outfall Mapping MS4 map is for demonstration purposes only, any use of this product with respect to accuracy and precision shall be the sole responsibility of the end user.

The areas, boundaries and details, shown on this map, are referenced, in part, from ground surveys, aerial surveys and recorded plans, tax assessment maps and as built documents and are to be used for Stormwater Outfall MS4 mapping purposes only.

This map was created, in part, utilizing parcel, municipal boundary and location data provided by Mansfield Township. Stormwater assets, such as inlets & outfalls were provided by the Burlington County Department of Information Technology. Outfall locations were GPS field verified by Remington & Vernick Engineers utilizing the Trimble Geo-7x unit, unless otherwise noted. Additional stormwater assets field verified by Remington & Vernick Engineers utilizing the Trimble Geo-7x unit, including Manholes, Inlets and Manufactured Treatment Devices. As built documents provided from Beachwood Department of Public Works.

Additional GIS resource data and imagery data was provided by the New Jersey Geographic Information Network. The (NJGIN) data was obtained and provided by the New Jersey Geographic Information Network (NJGIN). https://njgin.state.nj.us/NJ_NJGINExplorer/index.jsp. This secondary product has not been verified by (NJGIN) and is not state-authorized.

Additional cadastral feature mapping data, such as, waterways, roadways, railroads, aerial orthophotography, etc. was obtained from the New Jersey Department of Environmental Protection (NJDEP). The New Jersey Department of Environmental Protection (NJDEP) data was obtained and provided by the New Jersey Department of Environmental Protection. <http://www.state.nj.us/dep/gis/>. This secondary product has not been verified by (NJDEP) and is not state-authorized.

All positions are based on the following:

- NAD 83 (horizontal datum)
- New Jersey State Plane Coordinate System
- English units (feet)

The geodetic accuracy and precision of the Geographic Information System (GIS) data contained in this mapping has not been developed nor verified by a professional licensed land surveyor and shall not be nor is intended to be used in matters requiring delineation and location of true ground horizontal and/or vertical controls, unless otherwise noted.

DATE:

CHARLES E. ADAMSON
NJ PROFESSIONAL LAND SURVEYOR LIC. No. 42627

STORMWATER DISTRIBUTION SYSTEM

BOROUGH OF BEACHWOOD

OCEAN COUNTY
FEBRUARY 10, 2021

NEW JERSEY
<SCALE: 1" = 500 FT>

RVE
1901

REMINGTON & VERNICK ENGINEERS
232 KINGS HIGHWAY EAST, HADDONFIELD, NJ 08033
(856) 795-9595, FAX (856) 795-1882, WWW.RVE.COM
Certificate of Authorization: 24 GA 28009300
—ENGINEERING EXCELLENCE—

SPPP Form 13 – Stormwater Facilities Maintenance

All records must be available upon request by NJDEP.

1. Detail the program in place for the long-term cleaning, operation and maintenance of each stormwater facility owned or operated by the municipality.

2. Detail the program in place for ensuring the long-term cleaning, operation and maintenance of each stormwater facility NOT owned or operated by the municipality.

3. Indicate the location(s) of the Stormwater Facilities Inspection and Maintenance Logs listing the type of stormwater facilities inspected, location information, inspection dates, inspector name(s), findings, preventative and corrective maintenance performed.

Note that maintenance activities must be reported in the annual report and records must be available upon request. DEP maintenance log templates are available at http://www.nj.gov/dep/stormwater/maintenance_guidance.htm (select specific logs from choices listed in the Field Manuals section).

Additional Resources: The NJ Hydrologic Modeling Database contains information and maps of stormwater management basins. To view the database map, see <https://hydro.rutgers.edu>. To download data in an Excel format, see https://hydro.rutgers.edu/public_data/.

SPPP Form 14 – Total Maximum Daily Load Information

All records must be available upon request by NJDEP.

1. Using the Total Maximum Daily Load (TMDL) reports provided on www.nj.gov/dep/dwq/msrp-tmdl-rh.htm, list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

2. Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.

SPPP Form 15 – Optional Measures

All records must be available upon request by NJDEP.

1. Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the Tier A MS4 NJPDES permit that prevents or reduces water pollution.

2. Has the permittee adopted a Refuse Container/Dumpster Ordinance?