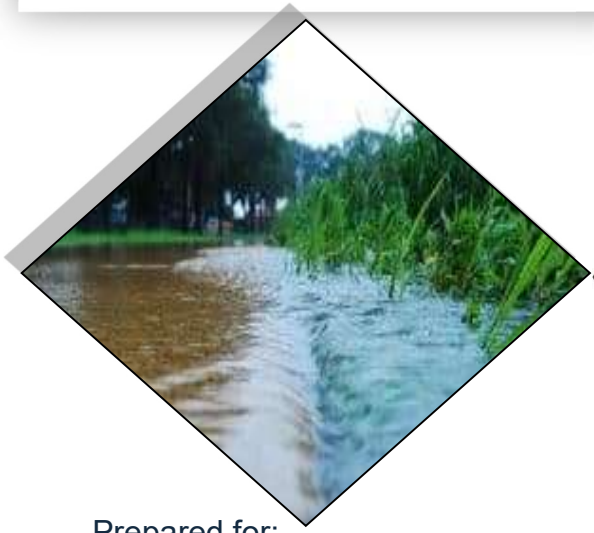
STORMWATER POLLUTION PREVNTION PLAN

WOOD WASTE RECYCLING & LEAF COMPOSTING

BOROUGH OF RIVER EDGE
BERGEN COUNTY, NEW JERSEY
NJPDES # NJG0354686
PI ID # 1047528



COSTA ENGINEERING CORPORATION
325 SOUTH RIVER STREET SUITE 302
HACKENSACK, NJ 07601

Prepared for:
Borough of River Edge
705 Kinderkamack Road,
River Edge, NJ 07661

DATE: Revised March 2, 2026
October 31, 2025

Prepared by:
River Edge Borough Engineer

ROBERT L. COSTA
NEW JERSEY PROFESSIONAL ENGINEER - LICENSE NUMBER GE34702

Stormwater Program Coordinator:
Robert. L. Costa, PE, CME

STORMWATER POLLUTION PREVENTION PLAN (SPPPP)

RIVER EDGE WOOD WASTE RECYCLING & LEAF COMPOSTING FACILITY

Facility Address:
10 River Edge Road
River Edge
Bergen County, NJ 07661

Owner:
River Edge DPW
Borough Of River Edge
500 Riverside Way
Bergen County, NJ 07661

Operating Entity:
River Edge DPW
Borough Of River Edge
500 Riverside Way
Bergen County, NJ 07661

NJPDES General Permit No.: NJ0324183
(Authorization No.: NJG0354686)

Effective Date: June 1, 2025
Expiration Date: December 31, 2027

Contents

1. Purpose and Regulatory Basis

This Stormwater Pollution Prevention Plan (SPPPP) has been prepared in accordance with N.J.A.C. 7:14A-24 and the NJPDES WRC General Permit (NJ0324183), authorizing stormwater discharges associated with Class B (Limited) – Wood Wasted Only and Class C recycling activities. The SPPP establishes pollution prevention, monitoring, and operational procedures necessary to protect water quality at the River Edge Compost Site. The plan aligns with the Tier A MS4 requirements under N.J.A.C. 7:14A-25 and is intended to ensure long-term compliance with NJDEP and EPA regulations.

2. Stormwater Pollution Prevention Team

The Borough of River Edge Department of Public Works (DPW) has designated a Stormwater Pollution Prevention Team to manage and implement this plan. The team is responsible for inspections, monitoring, reporting, and corrective actions to maintain compliance with permit requirements. The team includes the following personnel:

Name	Title / Role	Responsibilities
Robert Costa, P.E. CME Borough Engineer	CPWM / Stormwater Coordinator	Oversees SPPP implementation, inspection, and reporting activities.
Jason Milito, DPW Supervisor	Operations Lead	Ensures daily compliance with BMPs and on-site housekeeping measures.
Jason Milito, DPW Supervisor & DPW Team	Maintenance Personnel	Conducts visual inspections, maintenance, and spill response actions.

3. Description and Operations

The River Edge Compost Site occupies approximately 9.3 acres and is located adjacent to the Hackensack River. The Hackensack River is the classified as SE 1. The site receives and processes leaves, grass clippings, branches, logs, and untreated wood debris from municipal sources. Activities include grinding, screening, and windrow composting, all performed on stabilized asphalt surfaces. Vegetated buffers and earthen berms control drainage. Runoff is directed to swales and infiltration areas, ensuring that no untreated stormwater is discharged directly into the Hackensack River.

Stormwater runoff from the west end of the site is managed through three distinct drainage areas that convey flow toward the facility's monitoring locations. Drainage Area 1 encompasses approximately 0.92 acres and, during a 10-year storm event, is estimated to generate a peak runoff rate of 1.82 cubic feet per second and a total runoff volume of about 6,522 cubic feet over one hour. This runoff is directed toward an earthen berm, passes through hay-bale filtration, and then reaches Surface Water Monitoring Location 1. The runoff characteristics were calculated using the Rational Method, applying a minimum time of concentration of ten minutes for conservative design.

Drainage Area 2 contributes approximately 1.30 acres and produces an estimated 9,252 cubic feet of runoff during the same storm event, while Drainage Area 3 covers roughly 0.40 acres and generates about 2,844 cubic feet. Runoff from both areas follows similar flow paths, moving toward bermed sections of the site, passing through hay-bale filtration, and ultimately reaching Surface Water Monitoring Locations 2 and 3. These controls help ensure that stormwater is conveyed in a controlled manner before reaching the designated monitoring points.

Discharge Locations	
Discharge Location Point	**The latitude and longitude for each monitoring location(s)**
01SW	40°56'17.7959"; -74°01'36.8105"
02SW	40°56'23.1310"; -74°01'35.4627"
03SW	40°56'23.8646"; -74°01'35.8800"

4. Existing Environmental Plans

This SPPP complements and references other environmental compliance documents as applicable, including Spill Prevention, Control, and Countermeasure (SPCC) Plan; Discharge Prevention, Containment, and Countermeasure (DPCC) Plan; and the municipal Tier A Stormwater Management Program. Together, these plans ensure coordinated implementation of site-wide environmental controls.

5. Potential Pollutant Sources

The following table identifies potential pollutant sources and corresponding control measures implemented at the facility:

Source	Potential Pollutant	Control Measure
Compost piles	Nutrients, leachate	Maintain piles on compacted pads away from drainage features.
Wood waste storage	Sediment, organic solids	Use berms/swales to prevent runoff; maintain vegetative cover.
Equipment operations	Oil, hydraulic fluids (minimal Amount)	Perform routine maintenance and spill prevention training.
Unpaved traffic areas	Sediment, dust	Stabilize entrances and regrade as needed to prevent ruts.

6. Drainage Control Plan Narrative

The Drainage Control Plan (DCP) provides an overview of stormwater flow management throughout the site. It delineates drainage areas, surface grading, and BMP locations. The

DCP identifies outfalls, infiltration zones, and berm systems designed to prevent direct discharge to the Hackensack River. The plan is certified by a New Jersey licensed Professional Engineer and references the official grading and survey prepared by a New Jersey licensed Professional Land Surveyor.

Refer to Appendix B for comprehensive drainage control plan in accordance with PartIV.C.1

7. Best Management Practices (BMPs)

Operational, structural, and maintenance BMPs are employed to prevent pollutant discharges:

Operational BMPs:

- Maintain active piles below 12 ft high; maintain windrow separation for drainage.
- Restrict vehicular access during saturated conditions to prevent rutting.
- Maintain at least 4–6 feet of spacing between windrows for vehicle access and runoff conveyance.
- Maintain vegetated buffer strip between piles and property limits.
- Turn windrows periodically (every 4–6 weeks) to promote even composting and prevent anaerobic conditions.

Erosion & Sediment Control:

- Maintain diversion berms, vegetated swales, and stabilized entrances.
- Repair eroded areas immediately following inspection.

Good Housekeeping:

- Spring: Inspect infiltration areas for winter sedimentation and reseed bare slopes.
- Summer: Monitor pile temperature and moisture; increase turning frequency if odor develops.
- Fall: Prepare site for high leaf volume; re-grade pads and confirm berm integrity.
- Winter: Stockpile only dry materials; avoid processing during freezing or saturated conditions.
- Designate a covered maintenance area to prevent contact with stormwater.

Structural BMPs:

- Earthen berms along north/east perimeter to contain sheet flow.
- Vegetated swale outfalls directed to infiltration areas before discharge to groundwater or Hackensack River.

8. Stormwater Monitoring Requirements

Stormwater discharges are monitored in accordance with NJPDES Authorization NJG0354686. Samples are collected quarterly during qualifying storm events (≥0.1-inch rainfall after ≥72-hour dry period). All data, including rainfall amount, event duration, and sample collection time, are recorded and submitted via NJDEP's electronic DMR portal.

PARAMETER	FREQUENCY	LIMIT / DESIGN CRITERIA	NOTES
PH (SU)	Quarterly	6.5 – 8.5	Grab sample, Effluent Gross Value
AMMONIA NITROGEN	Quarterly	≤ 2.14 mg/L (SW); 3 mg/L (GW)	Groundwater and surface water points
NITRATE NITROGEN	Quarterly	≤ 10 mg/L	Same as above
TOTAL SUSPENDED SOLIDS	Quarterly	≤ 100 mg/L	Surface water discharge only
CHEMICAL OXYGEN DEMAND (COD)	Quarterly	≤ 120 mg/L	Indicator of organic loading
E. COLI	Semi-annual	235 /100 mL (SW)	Microbial indicator
TOTAL DISSOLVED SOLIDS	Quarterly	≤ 500 mg/L (GW)	Groundwater sampling point
METALS (CU, CR, AS, ZN)	Semi-annual	Per permit limits	Arsenic 0.34 mg/L, Chromium 0.092 mg/L, Copper 1.3 mg/L
PENTACHLOROPHENOL	Semi-annual	0.00027 mg/L	Indicator for treated wood exclusion compliance

9. Inspection and Maintenance Program

The facility conducts quarterly dry- and wet-weather inspections, supplemented by post-storm reviews after rainfall events greater than one inch. Each inspection includes evaluation of erosion, sediment buildup, BMP performance, and signs of potential contamination. Deficiencies are addressed within 14 days, and all actions are recorded in Appendix A – Inspection Logs.

Record Keeping location:

Owner:
River Edge DPW
Borough Of River Edge
500 Riverside Way
Bergen County, NJ 07661

Record Keeping Location & Operating Entity:
River Edge DPW
Borough Of River Edge
500 Riverside Way
Bergen County, NJ 07661

10. Training, Recordkeeping, and Reporting

All personnel receive annual training on SPPP procedures, spill response, and BMP maintenance. Attendance is documented in Appendix D. Inspection records, maintenance reports, and monitoring data are retained on-site for a minimum of five years. Annual certification and DMR submissions are completed electronically in compliance with the NPDES Electronic Reporting Rule.

Municipal Employee Training

Topic	Frequency	Title of trainer or office to conduct training
1. Stormwater Pollution Prevention Plan (SPPP)	Every year	CPWM
2. Best Management Practices (BMPs)	Every year	CPWM
3. Discharge Requirements and Monitoring	Every year	CPWM
4. Stormwater Facility Maintenance	Every year	CPWM

11. Public Access and Website Posting

In accordance with Tier A MS4 requirements, this SPPP and its Drainage Control Plan are available for public review at the River Edge DPW office and posted on the municipal website: www.riveredgenj.org/stormwater.

Appendices

Appendix A – Inspection Log Template
Appendix B – Drainage Control Plan
Appendix C – Sampling and Monitoring Data Sheets
Appendix D – Training Records and Attendance Logs

Appendix A
Inspection Log
Template

Appendix A – Stormwater Inspection Log

Facility: River Edge Wood Waste Recycling & Leaf Composting Facility

Address: 10 River Edge Road, River Edge, NJ 07661

NJPDES Authorization No.: NJG0354686

Permit Type: Wood Waste Recycling & Leaf Composting (WRC) General Permit

Inspection Information

Inspection Type	☐ Quarterly Dry Weather ☐ Quarterly Wet Weather ☐ Post-Storm (>1 in.) ☐ Follow-Up
Date of Inspection	
Time of Inspection	
Rainfall Amount (in.)	
Weather Conditions	
Inspector Name & Title	
Signature	
Accompanying Personnel	

Inspection Checklist

Area / Item Inspected	Condition	Observations / Deficiencies Found	Corrective Actions Required	Completion Date	Initials
Site Entrance & Access Road	☐ Good ☐ Fair ☐ Poor				
Berms & Swales (Erosion Control)	☐ Good ☐ Fair ☐ Poor				
Infiltration / Drainage Areas	☐ Good ☐ Fair ☐ Poor				
Compost Piles / Windrows	☐ Good ☐ Fair ☐ Poor				
Wood Chipping / Grinding Area	☐ Good ☐ Fair ☐ Poor				
Equipment Storage /	☐ Good ☐ Fair ☐ Poor				

Spill Response Kits and Materials	☐ Good ☐ Fair ☐ Poor				
Erosion or Sediment Accumulation	☐ Good ☐ Fair ☐ Poor				
Outfalls / Sampling Points (01SW, 01GW)	☐ Good ☐ Fair ☐ Poor				
General Housekeeping / Litter Control	☐ Good ☐ Fair ☐ Poor				

Corrective Action Summary

(List all maintenance or repairs needed and track completion status)

Issue Identified	Action Required	Responsible Person	Target Completion Date	Date Completed	Initials

Inspector Certification

I certify that the inspection was conducted in accordance with NJPDES Authorization NJG0354686 and the Stormwater Pollution Prevention Plan (SPPPP).

Inspector Signature: _____ Date: _____

Appendix B
Drainage Control Plan

Drainage Control Plan

Wood Waste Recycling & Leaf Composting
Borough of River Edge
NJPDES # NJG0354686
(Authorization No.: NJG0354686)
October 31, 2025

Table of Contents

Form 1 – Facility Information

Part IV.C.1.

Please include the facility name, NJPDES permit number, and PI number. Confirm if the Drainage Control Map is prepared per Part IV.C.e and indicate where records of the Drainage Control Plan (DCP) and Map are stored. State whether the plan is certified by a New Jersey licensed Professional Engineer.:

1. Facility Information	
***Facility Name**:*	Wood Waster Recycling & Leaf Composting
*NJPDES permit number and Program Interest I.D. Number (**PI Number**);*	NJPDES # NJG0354686 PI ID # 1047528
Block and Lot Numbers	Block 214, Lot 1
Is the Drainage Control Map prepared in accordance with Part IV.C.e?	Yes
Indicate the location of records associated with an up-to-date copy of the DCP and Map	Location: 500 Riverside Way River Edge, NJ 07661 Attached is DCP map
Is Plan certified by a New Jersey licensed Professional Engineer?	Yes, Singed By Robert L. Costa, PE, CME

Form 2 – Detailed Site-Specific Narrative Description of the Activities

Please provide a detailed site-specific narrative description of the activities conducted at your facility, including wood waste recycling and composting processes, with a focus on material handling, processing, and storage. Include a description of the facility layout, highlighting key areas such as processing zones, storage areas, monitoring locations, and drainage infrastructure.

Additionally, describe how drainage control is established at your facility. This should include the use of berms, swales, sediment basins, and any other Best Management Practices (BMPs) designed to direct, divert, or treat stormwater runoff, and explain how these measures help prevent erosion and protect water quality.

Also, confirm whether the elevations for the Drainage Control Plan have been measured and verified by a New Jersey licensed Professional Land Surveyor, and provide the surveyor's details and any relevant documentation to ensure accuracy and compliance with state requirements.

Detailed Site-Specific Narrative Description of the Activities	
Facility Layout	The facility occupies approximately 9.3 acres and is used for receiving, processing, and storing municipal leaves, grass, branches, logs, and untreated wood debris. The site includes designated areas for material intake, grinding, screening, windrow composting, and finished compost storage. All operations occur on stabilized asphalt surfaces. The facility is located adjacent to the Hackensack River (SE1 classification) and will includes vegetated buffers, earthen berms, swales, and infiltration areas that direct and manage stormwater runoff.
Description of how drainage control is established	Stormwater drainage is controlled through a system of earthen berms, vegetated swales, and infiltration areas that direct runoff from the northern portion of the site toward the south. These features slow stormwater flow, promote infiltration, and prevent untreated runoff from entering the Hackensack River. The grading and stormwater controls ensure proper conveyance and minimize erosion.
Are elevations for the DCP measured by a New Jersey licensed Professional Land Surveyor?	The DCP plan elevation are measured by a New Jersey Professional Land Surveyor.

Form 3 – Discharge Locations

Part IV.B.1.

Please include a description of all surface water and ground water discharge locations associated with wood waste recycling and composting activities, locations of discharge monitoring points, and source materials located within the contributing drainage area of each discharge monitoring point..: _____

1. Discharge Locations

A description of the location of each monitoring location, including an alpha-numeric **discharge serial number comprised of 4 characters**, which do not contain the same first 3 characters (e.g., 01SW, 02SW, etc. for surface water discharges, and 01GW, 02GW, etc. for ground water discharges);

Discharge Location Point	**The latitude and longitude for each monitoring location(s)**
01SW	*40°56'17.7959"; -74°01'36.8105"*
02SW	*40°56'23.1310"; -74°01'35.4627"*
03SW	*40°56'23.8646"; -74°01'35.8800"*

Form 4 – Best Management Practices (BMPs) for all Source Materials

Part IV.B.1.

Please describe the BMPs that are in place to eliminate, reduce, or minimize exposure of industrial activity and source materials to stormwater that discharges to surface water or ground water.: _____

1. BMPs
List all existing and proposed BMPs to be implemented for stormwater diversion or treatment;
Existing BMPs: The facility does not currently have stormwater treatment BMPs installed prior to discharge. Stormwater flows as sheet flow across stabilized surfaces toward vegetated swales and infiltration areas. **Proposed BMPs:** The facility proposes to implement surface water cleaning, install vegetated swales, and reinforce existing berms to reduce sediment, nutrients, and organic material in stormwater runoff. *Refer to Table 1.*
List time of concentration for stormwater runoff associated with regulated areas of the facility;
Area 1 – Leaf Composting Zone: The calculated time of concentration for the leaf composting area is 2.46 minutes based on existing grading and flow characteristics. However, for conservative design purposes, a minimum time of concentration of 10 minutes is used for stormwater calculations. **Area 2 – Leaf Composting Zone:** The calculated time of concentration for the leaf composting area is 2.4 minutes based on existing grading and flow characteristics. However, for conservative design purposes, a minimum time of concentration of 10 minutes is used for stormwater calculations. **Area 3 – Leaf Composting Zone:** The calculated time of concentration for the leaf composting area is 1.2 minutes based on existing grading and flow characteristics. However, for conservative design purposes, a minimum time of concentration of 10 minutes is used for stormwater calculations. *Refer to Table 2*
If applicable provide sizing calculations for any stormwater management facilities that manage stormwater runoff from regulated areas of the facility;
The proposed surface water cleaning system is designed to capture and slowly release stormwater runoff from the west end of the site before it reaches the Hackensack River. The site contains three distinct drainage areas. Drainage Area 1 has a contributing area of 0.92 acres and, under the 10-year storm, produces a peak runoff rate of 1.82 cubic feet per second and an estimated runoff volume of 6,522 cubic feet over a one-hour period. This flow is directed by an earthen berm and filtered through hay bales before reaching Surface Water Monitoring Location 1. The runoff volume was determined using the Rational Method, applying a minimum time of concentration of ten minutes for conservative design purposes. Drainage Area 2 has a contributing area of 1.30 acres and generates approximately 9,252 cubic feet of runoff during the same 10-year storm event. Drainage Area 3 has a contributing area of 0.40 acres and produces an estimated 2,844 cubic feet of runoff. Similar to Drainage Area 1, the runoff from Drainage Areas 2 and 3 is conveyed toward earthen berms, filtered through hay bales, and ultimately collected at Surface Water Monitoring Locations 2 and 3, respectively, following the same treatment approach described above. *Refer to Table 3*
If applicable provide applicable TMDL and impairment information (www.nj.gov/dep/dwq/msrp-tmdl-rh.htm, and www.state.nj.us/dep/wms/bears/assessment.htm#/ , respectively);
Runoff from the facility may contain sediment, nutrients, and organic material generated from composting and wood-waste handling activities. The site's berms, vegetated swales, and hay-bale filtration help reduce the potential for these materials to reach downstream waters before stormwater is collected at the monitoring locations. The Hackensack River is listed as impaired for aquatic life and is subject to an approved TMDL;

however, the facility does not currently have data confirming specific pollutant loading. Until the berm improvements are fully implemented, there is no reliable way to quantify pollutant contributions relative to applicable TMDL parameters.
If applicable provide a schedule with specific timeframes and interim milestones for implementing all proposed BMPs. The schedule must comply with Part IV.B.1.k
Identify each proposed BMP with a brief description, specify the start date for implementation, list interim milestones with dates, and indicate the expected completion date when the BMP will be fully operational see below example table).

Table 1: List all existing and proposed BMPs to be implemented for stormwater diversion or treatment;

BMP Type	***BMP Name/Description***	***Purpose***	***Status***	***Implementation Date***
Existing BMP	*None*	*None*	*No existing BMP*	*None*
Proposed BMP	*Surface water cleaning*	*Reduce runoff*	*Planned*	*Q3 2026*

Table 2: List time of concentration for stormwater runoff associated with regulated areas of the facility;

Regulated Area	***Description***	***Time of Concentration (minutes)***	***Calculation Method***
Area 1	*Leaf Compositing Zone*	*10*	*Rational Method*
Area 2	*Leaf Compositing Zone*	*10*	*Rational Method*
Area 3	*Leaf Compositing Zone*	*10*	*Rational Method*

Table 3: Provide sizing calculations for any stormwater management facilities that manage stormwater runoff from regulated areas of the facility;

Facility	***Description***	***Regulated Area Served***	***Design Storm Event***	***Volume Managed (cubic feet)***	***Sizing Method***
Area 1	*Runoff directed to berm and pass thru hay bales then slowly release via monitoring location 1*	*Leaf Compositing Zone*	*10-year storm*	*6,552*	*Rational Method*
Area 2	*Runoff directed to berm and pass thru hay bales then slowly release via monitoring location 3*	*Leaf Compositing Zone*	*10-year storm*	*9,252*	*Rational Method*

Area 3	*Runoff directed to berm and pass thru hay bales then slowly release via monitoring location 3*	*Leaf Compositing Zone*	*10-year storm*	*2,844*	*Rational Method*

Table 4: Provide applicable TMDL and impairment information (www.nj.gov/dep/dwq/msrp-tmdl-rh.htm, and www.state.nj.us/dep/wms/bears/assessment.htm#/, respectively);

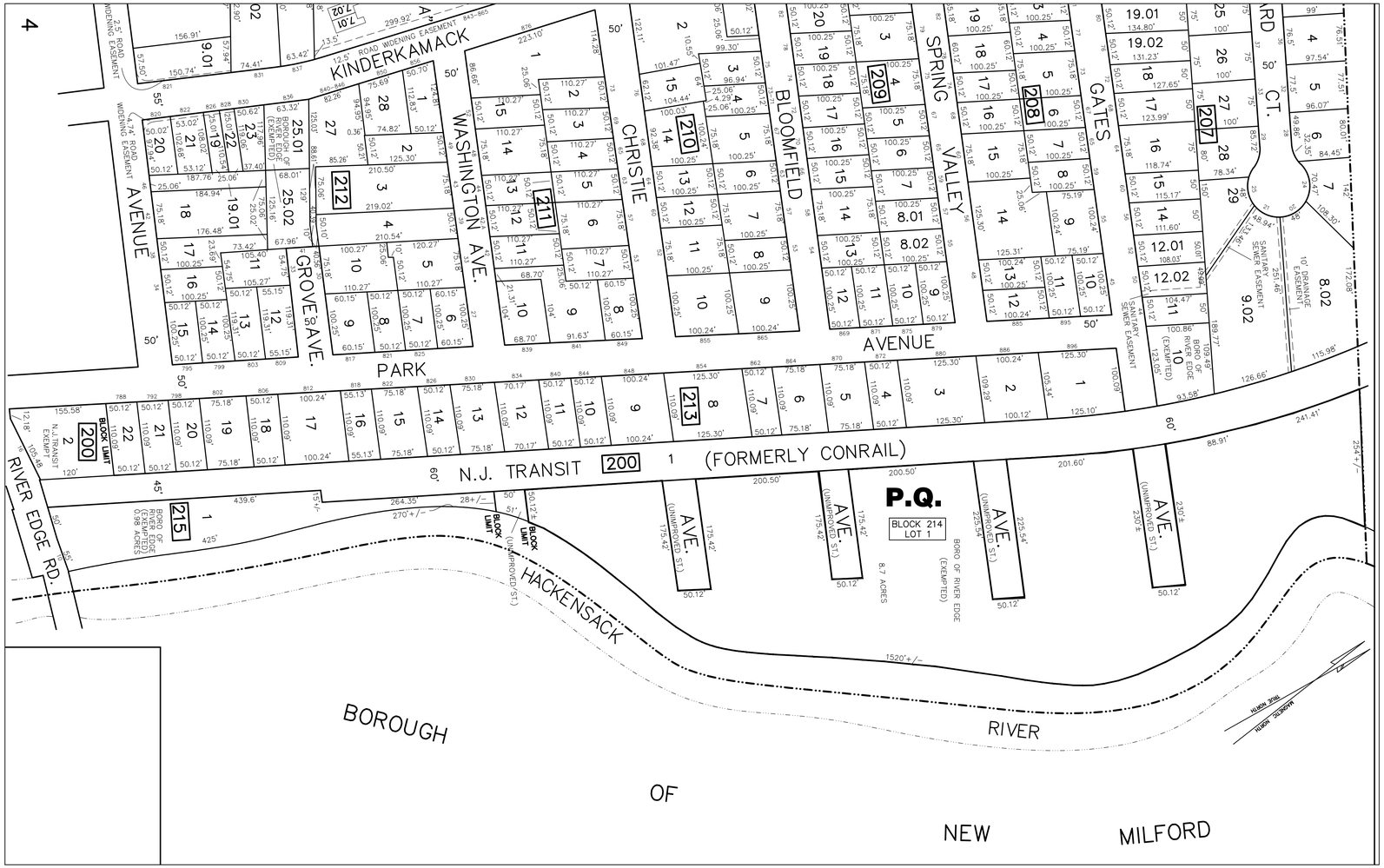
Water Body	***TMDL Status***	***Pollutants Addressed***	***Impairment Details***	***Source Information***
Hackensack River	*TMDL Not developed and implemented*	*-*		

Example Table 5 (**If applicable):** *Provide a schedule with specific timeframes and interim milestones for implementing all proposed BMPs. The schedule must comply with Part IV.B.1.k*

BMP Name/Description	***Start Date***	***Interim Milestones***	***Completion Date***
Vegetated Berm	*April 30, 2026*	*Site preparation by May 20, 2026*	*June 30, 2026*
Vegetated Berm Reinforcement	*May 10, 2026*	*Site preparation by May 20, 2026*	*June 30, 2026*
Surface Water Monitoring locations	*April 30, 2026*	*Site preparation by May 20, 2026*	*June 30, 2026*

DRAINGE CONTORL PLAN

BOROUGH OF RIVER EDGE COMPOST SITE
BERGEN COUNTY, NEW JERSEY
PI ID # 1047528
NJDES # NJG0354686



SCALE 1"=100'

MAYOR
THOMAS PAPALEO

COUNCIL
MICHELLE KAUFMAN
COUNCIL PRESIDENT
ELLEN BUSTEED
KLODIANA MELALLARI
DARIO CHINIGO
LISSA MONTISANO–KOEN
INDIRA KINSELLA

ADMINISTRATOR
LISSETTE APORTELLA

BOROUGH CLERK
ANNE DODD

INDEX OF SHEETS

DATE	BY	CHKD	DESCRIPTION
1/14/26	JFF	RLC	REVISED COORDINATES LOCATION AND SAMPLING TYPE

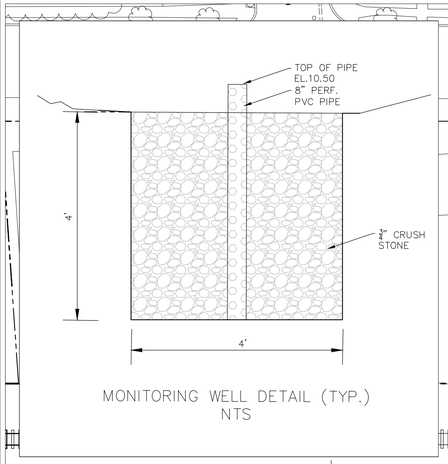
REVISIONS

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639
PROFESSIONAL ENGINEER AND PLANNER
SIGNED: DATE: 9-23-2025

COSTA ENGINEERING CORPORATION
PROFESSIONAL ENGINEERS • SURVEYORS • PLANNERS
State of New Jersey Certificate of Authorization No. GA 276726.
325 So. RIVER STREET – SUITE 302, HACKENSACK, N.J. 07601
TEL (201) 487-0015 FAX (201) 487-5122

DRAWING TITLE:	AREA MAP AND COVER SHEET
PROJECT NAME:	RIVER EDGE COMPOST SITE
	PI ID # 1047528; NJPDES # NJG0354686
LOCATION:	10 RIVER EDGE ROAD, RIVER EDGE
	BERGEN COUNTY , NEW JERSEY
PROJ. NO.	RE25-0589
SCALE:	NTS
DRAWN BY:	RR

1 / 4



MONITORING WELL DETAIL (TYP.)
NTS

PARK AVENUE

NJ TRANSIT

BLOCK 200
LOT 1

R=2888.43'

L=759.55'

BLOCK 214
LOT 1

TOTAL AREA= 404,860 sq.ft.
OR
9.3 acres

BLOOMFIELD AVE.

SPRING VALLEY AVE.

GATES AVE.

WOODED AREA

EDGE OF PAVEMENT

EDGE OF GRAVEL

COMPOST SITE ENTRANCE

RIP RAP FOR WALL STABILITY

UNLOADING AREA

LEAF DECOMPOSING AREA (TYP.)

TYP. LEAF PILE AREA

TC = 10 MIN

FLOW DIRECTION

LEAF DRYING AREA

LEAF STOKPILE

TEMPORARY DUMPSTER STORAGE AREA

DRAINAGE AREA - 3
17609.21 SF OR 0.40 AC

HAY BALES

BERM

BERM FOR FLOW DIVERSION

DRAINAGE AREA - 1
40,078.53 SF OR 0.92 AC

DRAINAGE AREA - 2
56,759.85 SF OR 1.3 AC

HIGH POINT

TOP OF BANK

MONITORING LOCATION 3 - SW
TOP OF PIPE 10.5
8" PVC PEF. PIPE INV 6.5
E. 622,896.94
N. 767679.62
LATITUDE 40°56'23.8646"
LONGITUDE -074°01'35.8800"

OUTFALL LOCATION 02 NW
24" CMP PIPE
INV. 9.2

OUTFALL LOCATION 2
24" CMP PIPE INV 9.20
E. 622,937.74
N. 767,614.74
LATITUDE 40°56'23.23"
LONGITUDE -074°01'35.34"

MONITORING LOCATION 1 - SW
TOP OF PIPE 10.5
8" PVC PEF. PIPE INV 6.5
E. 622,751.63
N. 767,777.99
LATITUDE 40°56'17.7959"
LONGITUDE -074°01'36.8105"

MONITORING LOCATION 2 - SW
TOP OF PIPE 10.5
8" PVC PEF. PIPE INV 6.5
TOP OF PIPE EL. 10.50
E. 622,930.46
N. 767,403.16
LATITUDE 40°56'21.1310"
LONGITUDE -074°01'35.4627"

OUTFALL LOCATION 1
15" CMP PIPE INV 7.00
E. 622,828.86
N. 767,065.10
LATITUDE 40°56'17.81"
LONGITUDE -074°01'36.81"

OUTFALL LOCATION 1NE
15" CMP PIPE
INV 7.00

BOROUGH OF RIVER EDGE

BOROUGH OF NEW MILFORD

S71°56'27"E
180'±

HACKENSACK RIVER
(NJ WATER CLARIFICATION: SE1)

DRAINAGE AREA 1 = 0.92 AC

Q = C X I X A = 0.99 X 2 IN/HR. X 0.92 AC = 1.82 CFS
V = 1.82 CFS X 3600 SEC = 6,552 CU.FT

DRAINAGE AREA 2 = 1.3 AC

Q = C X I X A = 0.99 X 2 IN/HR. X 1.3 AC = 2.57 CFS
V = 2.57 CFS X 3600 SEC = 9,252 CU.FT

DRAINAGE AREA 3 = 0.40 AC

Q = C X I X A = 0.99 X 2 IN/HR. X 0.40 AC = 0.79 CFS
V = 0.79 CFS X 3600 SEC = 2,844 CU.FT

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

DATE	BY	CHKD	DESCRIPTION
3/2/26	RR	RLC	REVISED SITE PLAN AS PER NJDEP EMAIL DATED1/29/26
1/14/26	JFF	RLC	REVISED COORDINATES LOCATION AND SAMPLING TYPE

REVISIONS

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639
PROFESSIONAL ENGINEER AND PLANNER
SIGNED: DATE: 9-23-2025

DAVID JAMIOLKOWSKI NJ P.L.S. LIC. NO. 43296
PROFESSIONAL LAND SURVEYOR
SIGNED: DATE:

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State of New Jersey Certificate of Authorization No. GA 276726.
325 So. RIVER STREET - SUITE 302, HACKENSACK, N.J. 07601
TEL (201) 487-0015 FAX (201) 487-5122

DRAWING TITLE:	**DRAINAGE CONTROL PLAN -1**
PROJECT NAME:	RIVER EDGE COMPOST SITE
FACILITY ID :	PI ID # 1047528; NJPDES # NJG0354686
LOCATION:	10 RIVER EDGE, RIVER EDGE
	BERGEN COUNTY, NEW JERSEY
PROJ. NO. RE25-0589	SCALE: 1"= 30' DRAWN BY: RR

2
4

DATE	BY	CHKD	DESCRIPTION
1/14/26	JFF	RLC	REVISED COORDINATES LOCATION AND SAMPLING TYPE

REVISIONS

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639
PROFESSIONAL ENGINEER AND PLANNER
SIGNED: DATE: 9-23-2025

DAVID JAMIOLKOWSKI NJ P.L.S. LIC. NO. 43296
PROFESSIONAL LAND SURVEYOR
SIGNED: DATE:

COSTA ENGINEERING CORPORATION
PROFESSIONAL ENGINEERS • SURVEYORS • PLANNERS
State of New Jersey Certificate of Authorization No. GA 276726.
325 So. RIVER STREET - SUITE 302, HACKENSACK, N.J. 07601
TEL (201) 487-0015 FAX (201) 487-5122

DRAWING TITLE:	**OVERALL DRAINAGE CONTROL PLAN**
PROJECT NAME:	RIVER EDGE COMPOST SITE
FACILITY ID :	PI ID # 1047528; NJPDES # NJG0354686
LOCATION:	10 RIVER EDGE, RIVER EDGE
	BERGEN COUNTY, NEW JERSEY

PROJ. NO. RE25-0589 | SCALE: 1"= 60' | DRAWN BY: RR | 3 / 4

PLAN

EMBEDDING DETAIL

PLACEMENT AND ANCHORING DETAIL
BALE SEDIMENT BARRIERS

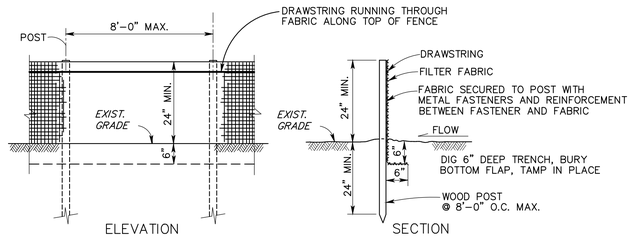
NO SCALE

PLAN

SECTION D–D

STABILIZED CONSTRUCTION ENTRANCE

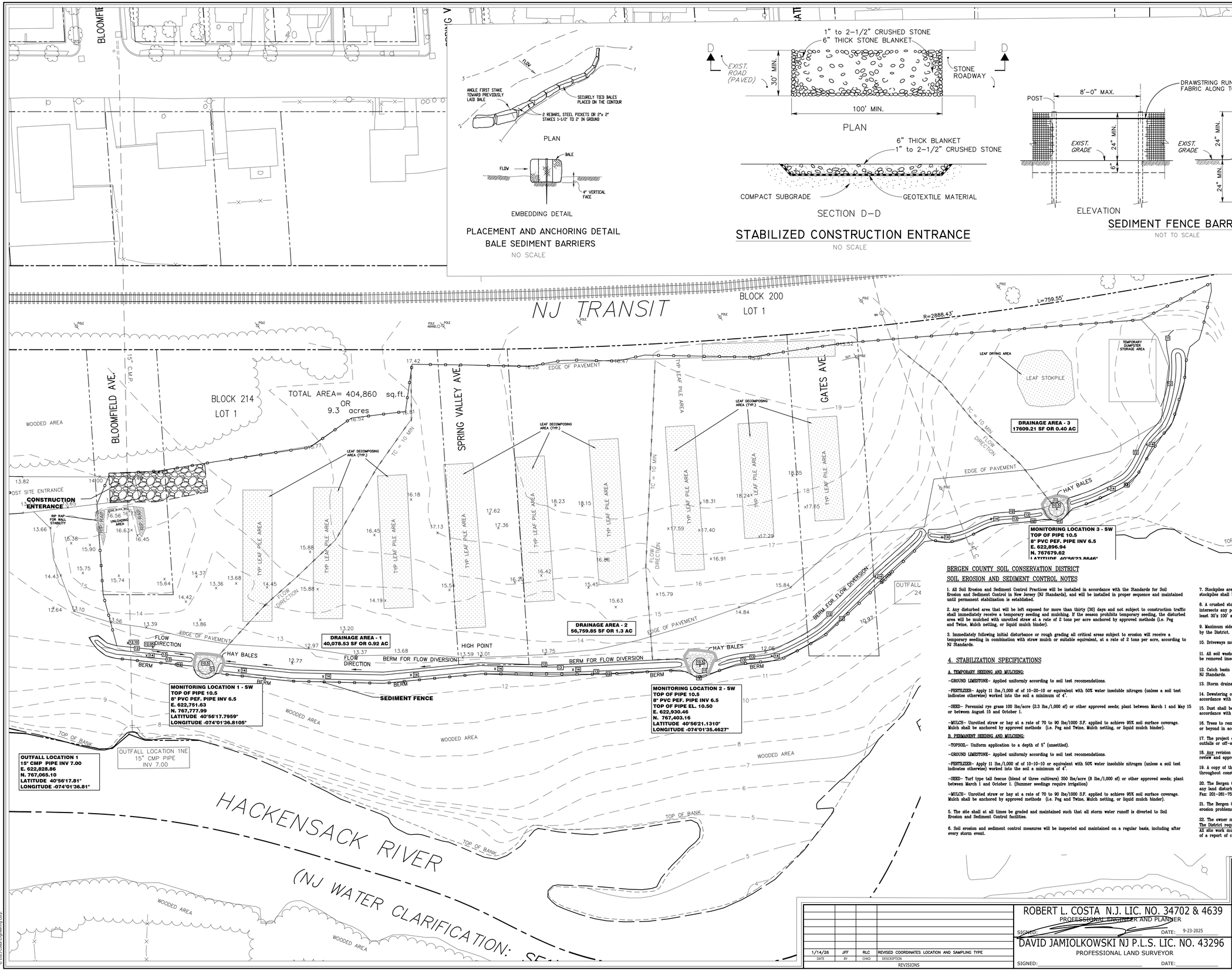
NO SCALE



ELEVATION SECTION

SEDIMENT FENCE BARRIER

NOT TO SCALE



BERGEN COUNTY SOIL CONSERVATION DISTRICT

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. All Soil Erosion and Sediment Control Practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (NJ Standards), and will be installed in proper sequence and maintained until permanent stabilization is established.

2. Any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction traffic shall immediately receive a temporary seeding and mulching. If the season prohibits temporary seeding, the disturbed area will be mulched with unrotted straw at a rate of 2 tons per acre anchored by approved methods (i.e. Peg and Twine, Mulch netting, or liquid mulch binder).

3. Immediately following initial disturbance or rough grading all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or suitable equivalent, at a rate of 2 tons per acre, according to NJ Standards.

4. STABILIZATION SPECIFICATIONS

A. TEMPORARY SEEDING AND MULCHING:

-GROUND LIMESTONE- Applied uniformly according to soil test recomendations.

-FERTILIZER- Apply 11 lbs./1,000 sf of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".

-SEED- Perennial rye grass 100 lbs/acre (2.3 lbs./1,000 sf) or other approved seeds; plant between March 1 and May 15 or between August 15 and October 1.

-MULCH- Unrotted straw or hay at a rate of 70 to 90 lbs/1000 S.F. applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. Peg and Twine, Mulch netting, or liquid mulch binder).

B. PERMANENT SEEDING AND MULCHING:

-TOPSOIL- Uniform application to a depth of 5" (unsettled).

-GROUND LIMESTONE- Applied uniformly according to soil test recomendations.

-FERTILIZER- Apply 11 lbs./1,000 sf of 10-10-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".

-SEED- Turf type tall fescue (blend of three cultivars) 350 lbs/acre (8 lbs./1,000 sf) or other approved seeds; plant between March 1 and October 1. (Summer seedings require irrigation)

-MULCH- Unrotted straw or hay at a rate of 70 to 90 lbs/1000 S.F. applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. Peg and Twine, Mulch netting, or liquid mulch binder).

5. The site shall at all times be graded and maintained such that all storm water runoff is diverted to Soil Erosion and Sediment Control facilities.

6. Soil erosion and sediment control measures will be inspected and maintained on a regular basis, including after every storm event.

7. Stockpiles are not to be located within 50' of a flood plain, slope, roadway or drainage facility. The base of all stockpiles shall be contained by a hay bale sediment barrier or silt fence.

8. A crushed stone, vehicle wheel-cleaning blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 1" -2 1/2" crushed stone, 6" thick, will be at least 30'x 100' and should be underlain with a suitable synthetic sediment filter fabric and maintained.

9. Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the District.

10. Driveways must be stabilized with 1" -2 1/2" crushed stone or subbase prior to individual lot construction.

11. All soil washed, dropped, spilled and tracked outside the limit of disturbance or onto public right-of-ways, will be removed imediately. Paved roadways must be kept clean at all times.

12. Catch basin inlets will be protected with an inlet filter designed in accordance with Section 28-1 of the NJ Standards.

13. Storm drainage outlets will be stabilized, as required, before the discharge points become operational.

14. Dewatering operations must discharge directly into a sediment contol bag or other approved filter in accordance with Section 14-1 of the NJ Standards.

15. Dust shall be controlled via the application of water, calcium chloride or other approved method in accordance with Section 16-1 of the NJ Standards.

16. Trees to remain after construction are to be protected with a suitable fence installed at the drip line or beyond in accordance with Section 9-1 of the NJ Standards.

17. The project owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or off-site as a result of construction of the project.

18. Any revision to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.

19. A copy of the certified Soil Erosion and Sediment Control Plan must be available at the project site throughout construction.

20. The Bergen County Soil Conservation District must be notified, in writing, at least 48 hours prior to any land disturbance: Bergen County SCD, 700 Kinderkamack Road, Suite 106, Oradell, NJ 07649 Tel: 201-261-4407 Fax: 201-261-7570.

21. The Bergen County Soil Conservation District may request additional measures to minimize on or off-site erosion problems during construction.

22. The owner must obtain a District issued report of compliance prior to the issuance of any certificate of occupancy. The District requires at least one week's notice to facilitate the scheduling of all report of compliance inspections. All site work must be completed, including temporary/permanent stabilization of all exposed areas, prior to the issuance of a report of compliance by the District.

DATE	BY	CHKD	DESCRIPTION
1/14/26	JFY	RLC	REVISED COORDINATES LOCATION AND SAMPLING TYPE

REVISIONS

ROBERT L. COSTA N.J. LIC. NO. 34702 & 4639
PROFESSIONAL ENGINEER AND PLANNER
SIGNED: DATE: 9-23-2025

DAVID JAMIOLKOWSKI NJ P.L.S. LIC. NO. 43296
PROFESSIONAL LAND SURVEYOR
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TEL (201) 487-0015 FAX (201) 487-5122

DRAWING TITLE:	**SOIL EROSION SEDIMENT CONTROL PLAN**
PROJECT NAME:	RIVER EDGE COMPOST SITE
FACILITY ID :	PI ID # 1047528; NJPDES # NJG0354686
LOCATION:	10 RIVER EDGE, RIVER EDGE
	BERGEN COUNTY, NEW JERSEY
PROJ. NO. RE25-0589	SCALE: 1"= 20' DRAWN BY: RR

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Appendix C

Appendix C
Sampling and Monitoring Data Sheets

River Edge Wood Waste Recycling & Leaf Composting Facility

Site Location : 10 River Edge Road, River Edge, NJ 07661

NJPDES Authorization No.: NJG0354686

Permit Type: Wood Waste Recycling & Leaf Composting (WRC) General Permit

C.1 Field Sampling Information

Date of Sampling	
Time of Sampling	
Rainfall Amount (in.)	
Rainfall Start / End Time	
Weather Conditions	
Sampler Name / Title	
Sampling Location ID	☐ 01SW (Surface Water) ☐ 01GW (Groundwater)

C.2 Analytical Results Summary

All analytical samples shall be collected by trained personnel during a qualifying storm event (≥ 0.1 inch rainfall after ≥ 72 hours dry). Results must be reported via the NJDEP DMR portal within 25 days of the monitoring period.

Parameter	Units	Sample Result	Permit Limit / Criteria	Exceedance (Y/N)	Remarks
pH	SU		6.5 – 8.5		
Ammonia Nitrogen (as N)	mg/L		≤ 2.14 (SW); 3.0 (GW)		
Nitrate Nitrogen (as N)	mg/L		≤ 10.0		
Total Suspended Solids (TSS)	mg/L		≤ 100		
Chemical Oxygen Demand (COD)	mg/L		≤ 120		
E. coli	CFU/100 mL		≤ 235		
Total Dissolved Solids (TDS)	mg/L		≤ 500		
Copper (Cu)	mg/L		≤ 1.3		
Chromium (Cr)	mg/L		≤ 0.092		
Arsenic (As)	mg/L		≤ 0.34		

Zinc (Zn)	mg/L		–		
Pentachlorophenol	mg/L		≤ 0.00027		

C.3 Field Observations

Describe the visual characteristics of the discharge at the time of sampling, including color, odor, turbidity, oil sheen, foam, or floating solids. Indicate any observed non-stormwater discharges or potential sources of contamination.

Notes: _____

_____

_____

C.4 Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Sampler Signature: _____ Date: _____

Laboratory Representative Signature: _____

Date: _____

Appendix D

Appendix D
Training Record and Attendance Logs

River Edge Wood Waste Recycling & Leaf Composting Facility

Address: 10 River Edge Road, River Edge, NJ 07661

NJPDES Authorization No.: NJG0354686

Permit Type: Wood Waste Recycling & Leaf Composting (WRC) General Permit

D.1 Training Overview

This section documents all stormwater-related training sessions conducted for Borough of River Edge DPW personnel. Training covers pollution prevention practices, BMP maintenance, inspection procedures, and emergency spill response. All employees and contractors participating in operations at the compost site shall receive annual refresher training.

Training Date	Duration (hrs)	Trainer / Instructor	Training Topic(s) Covered	Location	Notes

D.2 Attendance Log

This log is used to record all attendees for each stormwater training event. Each participant must sign and date the sheet to verify completion.

Attendee Name	Department / Position	Signature	Date of Training	Comments

D.3 Certification Statement

I certify that the above-listed personnel have completed the required annual stormwater management training in accordance with the NJPDES Authorization NJG0354686 and the Stormwater Pollution Prevention Plan (SPPPP).

Stormwater Coordinator Signature: _____ Date: _____