

**RESOLUTION AUTHORIZING SEWER CONNECTION APPLICATION#22010301  
BERGEN TURNPIKE & 38<sup>TH</sup> STREET, UNION CITY, NJ**

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**MOTIONED BY:** Velazquez

**SECONDED BY:** Gardiner

**WHEREAS**, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

**WHEREAS**, the Authority has received a request, application #22010301 from Sarabrina 649 LLC, 8 South Woodland Street, Englewood, New Jersey 07637 for the purpose of approving their application for a sewer connection of an estimated 9,600 gallons per day to the North Hudson system associated with their development of a building containing 48 residential units including 16 one bedrooms and 32 two bedrooms to be located at Block 260, Lot 30-36, Union City, New Jersey; and

**NOW, THEREFORE, BE IT RESOLVED** that the Authority hereby certifies that the committed flow to the Adams Street WWTP does not exceed the presently permitted design capacity, nor will the addition of flow proposed by this application cause the permitted design capacity to be exceeded.

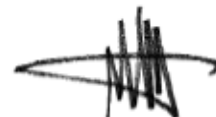
**BE IT FURTHER RESOLVED** that, upon Applicant's satisfaction of the necessary conditions as specified herein above, the Authority Engineer is authorized to approve the necessary Certification as required by the NJDEP to grant a Sewer Connection approval for a total additional flow of approximately 9,600 gallons per day.

**DATED: JUNE 16, 2022**

**RECORD OF COMMISSIONERS' VOTE**

	<b>YES</b>	<b>NO</b>	<b>ABSENT</b>
Commissioner Kappock			x
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Guzman	x		
Commissioner Velazquez	x		
Commissioner Barrera	x		
Commissioner Zuconi			x
Commissioner Assadourian	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON JUNE 16, 2022.**




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**SECRETARY**



Sarabrina 649 LLC  
Mr. Joseph Benmoha  
8 South Woodland Street  
Englewood, NJ 07631

Your Reference:  
Application 22010301

Our Reference:  
Project 101715-001/SC107

**Bergen Turnpike & 38<sup>th</sup> Street, Union City  
Block 260, Lots 30-36**

**Status: Approval Recommendation  
Application: Sewer Connection and Stormwater Detention Review**

111 Wood Avenue South  
Iselin NJ 08830-4112  
United States of America

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F +1 (973) 376 1072  
mottmac.com/americas

May 26, 2022

Dear Ms. Benmoha:

Mott MacDonald has received the following documents for review regarding the above referenced project.

- One (1) copy of the Treatment Works Approval application form TWA-1, signed and sealed by Sean M. Savage, P.E.
- One (1) copy of the Engineer's Report Form WQM-006 signed and sealed by Sean M. Savage, P.E.
- One (1) copy of the Statements of Consent Form WQM-003
- One (1) set of Engineering Drawings titled "Preliminary and Final Major Site Plan" for Liberty Park, Block 260, Lots 30-36 City of Union City, Hudson County, New Jersey, consisting of ten sheets signed and sealed by Sean M. Savage, P.E. dated March 30, 2016 and last revised April 6, 2022.
- One (1) set of Architectural Plans titled "Liberty Park 48 Units" for 649-651 38<sup>th</sup> Street, Block 260, Lots 30-36 Union City, New Jersey, consisting of 37 sheets prepared by CPA Architecture dated November 5, 2021 and last revised December 8, 2021.
- One (1) copy of the recorded easement for the proposed Mission M285 communications unit and automated control valve. This easement has been recorded with the Hudson County Registrar, Instrument Number 20220511010051510.

Mott MacDonald has reviewed the project documents and summarizes the relevant features as follows:

- This project includes 18,433.44 SF of land located at Bergen Turnpike and 38<sup>th</sup> Street, Block 260, Lots 30-36 Union City, NJ. The proposed project includes a six-story residential building consisting of 48 residential units, a two-story parking garage, and associated infrastructure. The residential units consist of 16 single bedroom units and 32 two-bedroom units. The estimated sanitary flow is 9,600 gallons per day (gpd).



- This applicant is a Class B User that discharges to the NHTA combined sewer system within the NBW drainage basin and then flows to North Bergen for treatment.
- The proposed sanitary sewer connection consists of 6-inch PVC extending from the new building and combining with the 18-inch reinforced concrete pipe (RCP) storm house connection prior to discharging into the North Hudson Sewerage Authority (NHTA) 8-inch vitrified clay pipe (VCP) combined sewer within 38<sup>th</sup> Street.
- The proposed stormwater management system consists of a concrete detention basin with an 865 SF footprint that connects to a downstream outlet control structure (OCS) through 12-inch PVC pipe. The OCS has a 3" trash rack, full port actuated valve controlling the 2.5-inch primary orifice, and overflow weir height of 2 feet and 10-inches. The detention system holds a total of 19,410 gallons. The automated valve shall be controlled by the NHTA through a Mission™ communications unit installed by the owner. The OCS discharges to the NHTA 15-inch vitrified clay combined sewer within 38<sup>th</sup> Street via doghouse manhole and connection to an existing 15-inch RCP sewer.
- An access agreement has been recorded with the Hudson County Registrar, Instrument Number 20220511010051510, granting the NHTA access to service the Mission control unit and automated control valve.

The submitted documents were reviewed for compliance with NHTA sewer connection criteria. Therefore, an approval of this application is recommended.

Please contact me should you have any questions.

Very truly yours,

Mott MacDonald

A handwritten signature in blue ink, appearing to read 'Kevin P. Wynn'.

Kevin P. Wynn, PE  
Principal Project Manager  
T +1973-912-2537 F +1973-912-2455  
kevin.wynn@mottmac.com

cc: Fredric J. Pucci, P.E., NHTA  
Phillip Reeve, Jacobs  
Doris Alejandro, Jacobs  
Karen Karvazy, P.E., Mott MacDonald



**STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER QUALITY**

TWA - 1

Reset form

**Treatment Works Approval Permit Application**

**Refer to Instructions on Page 4 and Provide All Applicable Information. Please Print or Type.**

**1. APPLICANT/OWNER \***

Name Sarabrina 649 LLC Telephone ( 917 ) 623-7911  
 Permanent Legal Address 8 South Woodland Street  
 City or Town Englewood State NJ Zip Code 07631 E-mail jbenmoha@aol.com

\* Applicant/Owner should be the eventual owner of the proposed Treatment Works.

**2. LOCATION OF ACTIVITY**

Name of Facility/Site Multi-Unit Residential Building  
 Street Address/Location Bergen Turnpike & 38th Street  
 Lot No. 30-36 Block No. 260  
 City or Town City of Union City State NJ Zip Code 07087  
 Municipality Union City County Hudson

**3. NEW JERSEY LICENSED PROFESSIONAL ENGINEER**

Name Sean M. Savage, P.E. N.J. License No. 24GE04451000  
 Name of Firm, if employee Matrix New World Engineering, P.C.  
 Mailing Address 442 State Route 35, 2nd Floor  
 City or Town Eatontown State NJ Zip Code 07724  
 Telephone ( 973 ) 295-3604 Fax ( ) \_\_\_\_\_ E-Mail ssavage@mnwe.com

**4. ESTIMATED CONSTRUCTION COST AND APPLICATION FEE**

A. Cost of treatment works proposed in this application \$ 5,669.40  
 (Attach a breakdown of the cost of all items related to the construction of the proposed treatment works).

B. Application Fee \$ 850.00  
 (In accordance with N.J.A.C. 7:1C-1.5 et seq., made payable to Treasurer, State of NJ, Environmental Services Fund).

**5. OTHER REQUIRED PERMITS**

If any of the the following applications have been submitted for this project, provide the applicable information.

Permit Type	Application Status		Application Date (or Application No.)
	Pending	Approved*	
● Treatment Works Approval	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
● Exemption From Sewer Ban	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Water Quality Management Plan Amendment	<input type="checkbox"/>	<input type="checkbox"/>	_____
● CAFRA	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Stream Encroachment	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Freshwater Wetlands	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Tidal or Coastal Wetlands	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Waterfront Development	<input type="checkbox"/>	<input type="checkbox"/>	_____
● NJPDES Permits	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Pinelands Certificate	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Delaware & Raritan Canal Commission	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Hackensack/Meadowlands Commission	<input type="checkbox"/>	<input type="checkbox"/>	_____
● Other Related Approvals	<input type="checkbox"/>	<input type="checkbox"/>	_____

(\* If any of the above applications were approved, please provide a copy of the approval with this application).

**6. PROJECT DESCRIPTION (Brief Description of Proposed Treatment Works and Intended Use).**

One (1) residential building consisting of 48 residential units along with a two (2) story parking garage and associated infrastructure.

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7. APPLICANT'S AGENT (Optional)

I, \_\_\_\_\_  
(Applicant/Owner's Name)

authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name \_\_\_\_\_ Position \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_


State \_\_\_\_\_ Zip Code \_\_\_\_\_ Telephone ( ) \_\_\_\_\_

Signature of Agent \_\_\_\_\_ Date \_\_\_\_\_ Signature of Applicant/Owner \_\_\_\_\_ Date \_\_\_\_\_

8. PROPERTY OWNER'S CERTIFICATION

I hereby certify that Sarabrina 649 LLC  
(Property Owner's Name)

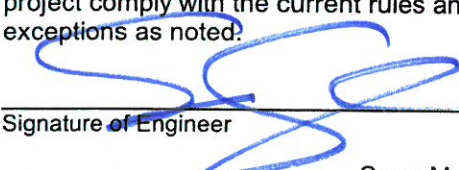
owns the property identified in this application. As owner, I grant permission for the activity to be permitted under this application and authorize the Department of Environmental Protection to conduct on-site inspections, if necessary. If the construction activity will take place in an easement, I certify that with this application, I presently have or will obtain permission of the property owner(s) prior to initiation of construction of this proposed treatment works.

  
Signature of Owner \_\_\_\_\_ Date 12/14/2021

Print or Type: Name and Position Georgette Benmoha, Principal

9. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS AND ENGINEER'S REPORT AND/OR ABSTRACT

I hereby certify that the engineering plans, specifications, and engineer's report and/or abstract applicable to this project comply with the current rules and regulations of the Department of Environmental Protection with the exceptions as noted:

  
Signature of Engineer \_\_\_\_\_ Date 1/3/2022

Print or Type: Name and Position Sean M. Savage, P.E. - Director of Land Development

PROFESSIONAL ENGINEER'S  
EMBOSSSED SEAL

## 10. PROPER CONSTRUCTION AND OPERATION CLAUSE

I, the Applicant/Owner, Sarabrina 649 LLC agree that the treatment works will be properly constructed and operated in accordance with the engineering plans, specifications and conditions under which approval is granted by the Department of Environmental Protection.

X [Signature] \_\_\_\_\_ Date 12/14/2021

Print or Type: Name and Position Georgette Benmoha, Principal

## 11. CERTIFICATION BY APPLICANT/OWNER

I certify, under penalty of law, that the information provided in this application and the attachments is true, accurate, and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate, or incomplete information, including fines and/or imprisonment.

X [Signature] \_\_\_\_\_ Date 12/14/2021

Print or Type: Name and Position Georgette Benmoha, Principal

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## INSTRUCTIONS FOR COMPLETING FORM TWA - 1

**This form should accompany all Treatment Works Approval permit applications.**

1. **General Information** - (items #1 through #4, #6) Complete the requested applicant and project information.
2. **Other Required Permits** (item # 5) - Please list all permits issued for the subject project (in addition to the permits being applied for at this time).
3. **Signatures** (items #7 through #11) - All signatures must comply with N.J.A.C. 7:14A-4.9 and N.J.A.C. 7:14A-22.8. Where indicated under items #1, #10 and #11, the applicant/owner should be the eventual owner of the proposed treatment works. Item #8 shall be completed by the owner of the property.

***Should you need assistance in completing the application, please call the appropriate phone number listed below:***

<ul style="list-style-type: none"> <li>◆ <b>Bureau of Construction &amp; Connection Permits</b> (609) 984-4429 Municipal Treatment Works, Industrial Treatment Works, Sewer Extension, Sewer Ban Exemption, Subsurface Disposal Systems</li> </ul>	<ul style="list-style-type: none"> <li>◆ <b>Bureau of Nonpoint Pollution Control</b> (609) 633-7021 Alternate Design Septic Systems (design flow less than 2,000 GPD)</li> </ul>
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STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Division of Water Quality

Reset Form

STATEMENTS OF CONSENT

A supplement to the TWA-1 or NJPDES-1 Forms

General Information

Applicant/Owner/Operator Sarabrina 649 LLC

Location of Work Site Bergen Turnpike & 38th Street

Name of Project/Facility Multi-Unit Residential Building

Type of permit application TWA  
(TWA, NJPDES/SIU)

NJPDES Permit Number (if applicable)

A-1 Consent By Governing Body\*\*

(Consent by the municipality in which the project is located.)

As an authorized representative of the governing body, I hereby certify that the

[Empty text box for signature]

(Name of Municipality or Municipal Authority)

consents to the submission of the above listed application to the Department of Environmental Protection for approval. I further certify that the project as proposed conforms with the requirements of all municipal ordinances.

Signed\* \_\_\_\_\_ Date [Empty text box]

Type Name and Position [Empty text box]

\* Cite authorization to sign for the governing body

Resolution# [Empty text box] Dated [Empty text box]

(Submit the resolution with the application. If no such resolution granting authority to sign exists, the Governing Body's full resolution, consenting to the project, must be submitted with the application.)

\*\* Note

For most Treatment Works Approval (TWA) applications, this section may be omitted if a sewerage entity (for example, sewerage authority, utilities authority, municipal utilities authority, joint meeting, etc.) has responsibility for regulating the construction and operation of wastewater treatment and conveyance facilities within the municipality. In such cases, the governing body consent requirement may be satisfied by completing Section A-2. Applicants for TWAs for industrial/commercial facilities discharging pursuant to NJPDES/DSW or DGW permits must complete section A-1.



**A-2 Consent by Sewerage Authority\*\***

As an authorized representative of this agency, I hereby certify that the

North Hudson Sewerage Authority  
(Name of Agency)

consents to the submission of the above listed application to the Department of Environmental Protection for approval. I further certify that the project as proposed conforms with the requirements of this agency.

Signed\* \_\_\_\_\_ Date\_ \_\_\_\_\_

Type Name and Position\_ \_\_\_\_\_

\* Cite authorization to sign for the agency

Resolution#\_ \_\_\_\_\_ Dated\_ \_\_\_\_\_

(Submit the resolution with the application. If no such resolution granting authority to sign exists, the Governing Body's full resolution, consenting to the project, must be submitted with the application.)

\*\* Note

For TWA applications, this section must be completed when a sewerage entity (for example, sewerage authority, utilities authority, municipal utilities authority, joint meeting, etc.) has responsibility for regulating the construction and operation of wastewater treatment and conveyance facilities within the municipality.

**A-3 Consent by Owner of Wastewater Treatment Facility\*\***

(For NJPDES/SIU applications only)

As an authorized representative of this agency, I hereby certify that the

\_\_\_\_\_  
(Name of Agency)

consents to the submission of the above listed application to the Department of Environmental Protection for approval. I further certify that the project as proposed conforms with the requirements of this agency and the agency agrees to accept wastewater from the project for treatment.

Signed\* \_\_\_\_\_ Date\_ \_\_\_\_\_

Type Name and Position\_ \_\_\_\_\_

\* Cite authorization to sign for the agency

Resolution#\_ \_\_\_\_\_ Dated\_ \_\_\_\_\_

(Submit the resolution with the application. If no such resolution granting authority to sign exists, the Agency's full resolution, consenting to the project, must be submitted with the application.)

\*\* Note

For NJPDES/SIU applications, this section must be completed when the owner of the receiving wastewater treatment plant is different that the entity listed under A-2.

**B. Certification by Wastewater Conveyance System Owner\*\***

By agreeing to accept wastewater from the project, I (we) hereby certify that to the best of my (our) knowledge the wastewater conveyance system, into which the project proposed under this application will connect, has adequate capacity in accordance with N.J.A.C. 7:14A-1.2 ("Adequate conveyance capacity"). Furthermore, I (we) am (are) not aware of inadequate conveyance capacity conditions in any portion of the downstream facilities necessary to convey the wastewater from this project to the treatment plant.

Name of Municipality or Authority

Signed \* \_\_\_\_\_ Date

Type Name and Position

\* Cite authorization to sign for the governing body

Resolution#  Dated

(Submit the resolution with the application. If no such resolution granting authority to sign exists, the governing body's full resolution, consenting to the project, must be submitted with the application.)

\*\* Note

1. For TWA applications, this section must be completed by the owner/operator of the wastewater conveyance system into which the project named herein will directly connect.

2. For NJPDES/SIU applications, this section must be completed when the owner/operator wastewater conveyance system into which the project named herein will directly connect is different that the entity listed under A-3.

**C. Certification by Wastewater Treatment Facility Owner\*\***

(For TWA applications that include a sewer connection/extension.)

I (we) hereby certify that the committed flow\*\*\* to the

(Name of Wastewater Treatment Plant)

does not exceed the presently permitted design capacity and with the additional flow proposed by this application, the permitted design capacity is not anticipated to be exceeded. I (we) further certify that the treatment plant is currently complying with its **conventional and non-conventional** NJPDES permit requirements (see N.J.A.C. 7:14A-22.17(b)-(d), percent removal and toxicity requirements excluded from this certification) as determined by a **rolling average of the three most recent monthly discharge monitoring reports that were required to be submitted to the Department as of this date**, and based upon my (our) assessment of all information pertinent to this permit request, is anticipated to continue to do so with the additional flow from this project.

Accepted for Treatment by   
(Name of Treating Authority)

Signed \* \_\_\_\_\_ Date

Type Name and Position

Name of project and/or location

\* Cite authorization to sign for the governing body

Resolution#  Dated

(Submit the resolution with the application. If no such resolution granting authority to sign exists, the governing body's full resolution, consenting to the project, must be submitted with the application.)

\*\* For TWA applications, this section must be completed by the owner of the wastewater treatment facility receiving the wastewater identified in this application.

\*\*\* For the purposes of this certification, committed flow means the sum of the 1) actual metered flow, 2) flow from DEP approved TWA applications (not yet operational), and 3) flow from locally approved projects that do not require DEP approval.

### **Additional Information (For TWA Applications)**

1. Approvals, permits, service contracts, or other reservations of flow capacity issued or agreed to by any participating municipality or sewerage agency do not constitute the required approval of the DEP.
2. For computation of actual flow at the receiving wastewater treatment plant, the average flow processed by the facility for the three (3) month period immediately preceding the submission of the application shall be used. Pursuant to the NJPDES regulations (N.J.A.C. 7:14A), no application shall be submitted to the DEP if the wastewater treatment facility is not meeting its discharge permit requirements.

### **Lack of Consent\***

1. The affected sewerage authority or municipality must consent to the application or submit comments to the DEP within 60 days of the applicant's request for consent. Prior to the expiration of the 60-day period to respond to a request for a written statement of consent, the municipality or sewerage authority may request a 30-day time extension.
2. Any document issued by a sewerage authority or municipality which is a tentative, preliminary, or conditional approval shall not be considered a statement of consent.
3. When the affected sewerage authority or municipality does not consent to a project, it shall state all reasons for rejection or disapproval in a resolution and send a certified copy of the resolution to the DEP.
4. When the affected sewerage authority or municipality expressly denies a request for a written statement of consent for a project, the permit application may be determined by the DEP to be incomplete for processing; or in the alternative, the DEP may review the reasons for denial. Any such reasons shall be considered by the DEP in determining whether to issue a draft permit in accordance with N.J.A.C. 7:14A-15.6, or a Treatment Works Approval or sewer connection approval in accordance with N.J.A.C. 7:14A-22.
5. When the affected sewerage authority or municipality does not issue a written statement of consent in accordance with (1) above, or a denial in accordance with (3) above, the DEP, upon receipt of proof that the applicant has delivered to the affected agency a written request for a statement of consent, shall review the reasons therefore, if known on the basis of reasonably reliable information. Any such reasons shall be considered by the DEP in determining whether to issue a draft permit in accordance with N.J.A.C. 7:14A-15.6, or a Treatment Works Approval in accordance with N.J.A.C. 7:14A-22. The DEP, may in its discretion, deem the application to be incomplete pending the expiration of the time period set forth in (1) above.

\* This section has been excerpted from the NJPDES regulations for guidance purposes only. Please refer to N.J.A.C. 7:14A-22.8(a)3 for the complete requirements concerning statements of consent.

**Notice: False statements, representations, or certifications, in any application, record, or document are subject to fines and penalties as set forth in the Water Pollution Control Act (N.J.S.A. 58:10A-10F 2 and 3.**

**STATE OF NEW JERSEY**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
 Division of Water Quality

**Reset Form**

**ENGINEER'S REPORT for DOMESTIC TREATMENT WORKS APPROVAL APPLICATIONS**

**INSTRUCTIONS**

- Complete all applicable sections and certifications.
- Justifications for any exceptions from the regulations at N.J.A.C. 7:14A - 23 et seq. must be submitted. (Additional sheets may be attached if necessary.)
- All supplemental information required to be submitted along with this engineer's report must be signed, sealed, and dated by a professional engineer, licensed to practice in the State of New Jersey.
- **For Treatment Works other than collection and/or conveyance, please attach a separate Engineer's Report in accordance with N.J.A.C. 7:14A - 23.5.**

**GENERAL INFORMATION**

Applicant: Sarabrina 649 LLC Municipality: Union City

Project Name: Multi-Unit Residential Building County: Hudson

Name of Receiving Sewage Treatment Plant: Adams Street Wastewater Treatment Plant

NJPDES Permit Number: \_\_\_\_\_

Effluent Receiving Waters: \_\_\_\_\_

**Scope of Project:**

One (1) building consisting of 48 residential units along with two (2) story parking garage and associated infrastructure.

Contributory Flow: *For assistance in completing this chart, refer to N.J.A.C. 7:14A - 23.3.*

Establishment Type	Number of Measurement Units		Gallons per Day per Unit		Projected Flow (G.P.D.)
1-bedroom	16	X	150	=	2,400
2-bedroom	32	X	225	=	7,200
		X		=	
		X		=	

Combined Projected Flow: 0.0096 M.G.D.  
 Existing Contributory Flow (if any): \_\_\_\_\_ M.G.D.  
**TOTAL FLOW:** 0.0096 M.G.D.

# 1. WASTEWATER CONVEYANCE SYSTEMS

## (A) GRAVITY SEWER SYSTEMS

Diameter (inches)	Total Length (feet)	Material Type	"n" Value	Max. MH Spacing (feet)	Min. Slope (%)	Max. Velocity (ft/sec)	Max. Capacity (M.G.D.)
6	40	PVC	0.010	N/A	2.00	2 ft./sec.	0.47

1.	What is the minimum cover (as measured from the top of the pipe to the grade elevation) provided along the entire sewer line?	5.00 ft.		
2.	What is the infiltration and/or exfiltration limit for testing purposes (gallons per inch of pipe per mile per day)?	100		
		YES	NO	N/A
3.	Are sewers within 100 feet of a public water supply well or a below-grade reservoir?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Are sewers located at least 10 feet horizontally from potable water lines and/or at least 18 inches below potable water lines and in separate trenches, including crossings?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Are sewers crossing streams located within 10 feet of a stream embankment encased in concrete?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Is a drop pipe provided for sewers entering manholes above the manhole invert wherever the difference in elevation is two feet or more?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.	Are all manholes located more than 100 feet from a public water supply well or a below-grade reservoir?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.	Are watertight covers used where street elevations are less than 10 feet above the North American Vertical Datum of 1988 and/or where the top of a manhole may be flooded by street runoff or high water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.	Are the sanitary sewers designed to carry at least twice the estimated average projected flow when flowing half full?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10.	Have adequate provisions been made for the ventilation of manholes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11.	If siphons are part of this project, are they in conformance with N.J.A.C. 7:14A - 23.7?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12.	Are the immediate downstream sewer lines constructed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**(B) PUMPING SYSTEM:** Submit a Pump Station Design Report, which should include, at a minimum, the basis for the following: (a) pump selection; (b) sizing of force main and velocity calculations;(c) total dynamic head; (d) pump station performance curve and (e) wet well detention time.

Average daily flow: _____ GPD	Surface area of wet well: _____ ft <sup>2</sup>
Peaking factor: _____	Wet Well Detention Time : _____ minutes
Peak design flow: _____ GPD	TDH of pump: _____ ft
Number of pumps: _____	
Design capacity of pump station (with the largest pump out of service): _____	_____ GPM

**1. WASTEWATER CONVEYANCE SYSTEMS**

**(B) PUMPING SYSTEM (continued)**

**FORCE MAINS**

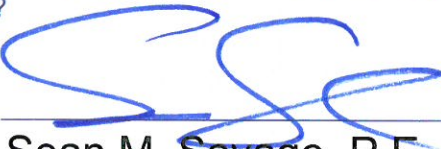
Diameter (inches)	Length (feet)	Material Type	Velocity (ft/sec)

1.	What is the minimum cover (as measured from the top of the pipe to the grade elevation) provided along the entire force main?	ft		
2.	Specify the method of screening at the pumps.			
3.	Where is the ultimate location of the alarm for high water conditions, power failures, and mechanical breakdowns?			
4.	Specify the type of back-up power source provided.			
		<b>YES</b>	<b>NO</b>	<b>N/A</b>
5.	Is adequate light and ventilation provided at the pump station?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Are air and/or vacuum release valves provided on the high points of the force main?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Are adequate freshwater wash-down facilities provided?	<input type="checkbox"/>	<input type="checkbox"/>	
8.	If a domestic water service connection will be utilized for wash-down purposes, is it protected by a backflow prevention device?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Are shut-off valves on suction and discharge piping and check valves on discharge lines provided?	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Is the base of the pump station wet well sloped toward the pump suction?	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Does the alarm system provide for competent assistance on a 24 hour basis?	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Is the pump station adequately protected from flooding?	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Is the dry well provided with a sump pump?	<input type="checkbox"/>	<input type="checkbox"/>	

I am a professional engineer licensed by the New Jersey Board of Professional Engineers and Land Surveyors to practice in New Jersey. I certify that the proposed treatment works, as designed, meets the requirements of N.J.A.C. 7:14A - 23 et seq., other than the exceptions as noted.

I hereby certify that the information provided in this engineer's report and attachments hereto, is true, accurate, and complete. Exceptions attached [YES , NO ]?

Signature of Engineer:

  
Sean M. Savage, P.E. 1/3/2022

Name and Date:  
(Print or Type)

Professional Engineer's  
Embossed Seal

Firm Name:

Matrix New World Engineering, P.C.

**2. DOMESTIC WASTEWATER TREATMENT AND/OR RESIDUAL FACILITIES**

Is the following information submitted with this engineer's report?	YES	NO
1. A complete description of the selected wastewater treatment system.	<input type="checkbox"/>	<input type="checkbox"/>
2. For the modification of an existing system which has not previously been granted a treatment works approval (TWA), the capacities of the existing units and a brief description of the operation of each, and a statement concerning which units are existing and which are proposed at the time of the application. If there exists a previously issued TWA approval for the subject facility, submit the date of issuance and the TWA number.	<input type="checkbox"/>	<input type="checkbox"/>
3. Hydraulic profiles of the flow of wastewater through the system.	<input type="checkbox"/>	<input type="checkbox"/>
4. A unit by unit mass balance for all discharge parameters.	<input type="checkbox"/>	<input type="checkbox"/>
5. The ultimate disposal location of all effluent.	<input type="checkbox"/>	<input type="checkbox"/>
6. The basis and computations for average and peak flow requirements.	<input type="checkbox"/>	<input type="checkbox"/>
7. The expected composition of the influent and effluent from the treatment system including the average, maximum and minimum values of the pollutant parameters specified in the facility's NJPDES permit/DAC.	<input type="checkbox"/>	<input type="checkbox"/>
8. An evaluation of the quantity and quality of any and all residuals generated and projected to be generated, including a hydraulic profile and unit by unit mass balance for the flow of residuals through the system.	<input type="checkbox"/>	<input type="checkbox"/>
9. Documentation of adequate storage and handling facilities for residuals.	<input type="checkbox"/>	<input type="checkbox"/>
10. Provisions for the ultimate management of residuals.	<input type="checkbox"/>	<input type="checkbox"/>
11. Details of flow monitoring and control, alarm systems, auxiliary power, storage facilities for treatment chemicals and wastes, and plans for bypassing units during construction or maintenance.	<input type="checkbox"/>	<input type="checkbox"/>
12. The basis and computations for the projected wastewater flow.	<input type="checkbox"/>	<input type="checkbox"/>
13. A fully executed Licensed Operator Grading Form.	<input type="checkbox"/>	<input type="checkbox"/>

I am a professional engineer licensed by the New Jersey Board of Professional Engineers and Land Surveyors to practice in New Jersey. I certify that the proposed treatment works, as designed, are adequate to meet all applicable final NJPDES permit limitations contained in the current NJPDES Discharge Permit No. \_\_\_\_\_ . In addition, I certify that the proposed treatment works, as designed, meets the requirements of N.J.A.C. 7:14A - 23 et seq., other than the exceptions as noted.

I hereby certify that the information provided in this engineer's report and attachments hereto is true, accurate, and complete. Exceptions attached [YES , NO ]?

Signature of Engineer\* \_\_\_\_\_

*Professional Engineer's  
Embossed Seal*

Name and Date:  
(Print or Type) \_\_\_\_\_

Firm Name: \_\_\_\_\_

\* This certification may not be completed until the effective date of the associated final NJPDES Discharge Permit.

**THE NORTH HUDSON SEWERAGE AUTHORITY**  
**Connection Fee Credit Analysis – Bergen Tpke & 38<sup>th</sup> St UC – vacant land**

- **Additional Fees Authorized**

**If connected for < 20 years AND addition, alteration or change in use materially increases<sup>1</sup> level of use AND imposes greater demand on system:** N.J.S.A. 40:14A-8a(a).

If no new physical connection: May charge an additional connection fee equal to the amount by which the increased use and demand exceed prior use and demand.  
N.J.S.A. 40:14A-8a(b).

**If a new physical connection: Charge a new connection fee.**

**May charge a new or additional connection fee for any new or additional connection to the system, or for any increase in size of an existing connection, or for any new construction of units connected to the system that materially increase use or demand on the system.** N.J.S.A. 40:14A-8a(c).

If the property to be connected / reconnected is an assemblage of lots, charge a new connection fee.

- **Credits Authorized**

**If connected for  $\geq$  20 years AND reconnection after disconnected<sup>2</sup> for  $\leq$  5 years:** N.J.S.A. 40:14A-8.5(a).

If service charges paid in at least 1 of the last 5 years, then credit equal to:

- 1) Amount of new connection fee (i.e., full credit), if reconnection: does not require a new physical connection, or does not increase the nature or size of service or units served, or does not expand use of system. N.J.S.A. 40:14A-8.5(b)(1).
- 2) Amount previously paid (i.e., difference between old and new connection fee), if reconnection: does require a new physical connection, or does increase the nature or size of service or units served, or does expand use of system. N.J.S.A. 40:14A-8.5(b)(2).

If no connection fee ever paid AND all service charges paid for at least 20 years, then credit equal to:

- 1) Amount of new connection fee, provided, however, any charges due under N.J.S.A. 40:14A-8.5(b)(2) are paid. N.J.S.A. 40:14A-8.5(b)(3).

If no connection fee ever paid, charge: any amount due after the application of a credit AND a connection fee equal to the lesser of:

- 1) 20% of service charges that would have been paid based upon the usage for the last full year that the property was connected to the system, for the period from the date of disconnection to the date of new connection, or
- 2) New connection fee. N.J.S.A. 40:14A-8.5(c).

**If connected for  $\geq$  20 years, AND reconnection after disconnected for > 5 years:**

Charge a new connection fee. N.J.S.A. 40:14A-8.5(d).

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<sup>1</sup> "Materially increases" means any increase units served, or other change which increases use or demand by at least 15% over the highest actual annual use and demand during the 10 years preceding the addition, alteration or change in use (if connected < 10 years, then during the actual period of connection). N.J.S.A. 40:14A-8a(d).

<sup>2</sup> "Disconnected" means 1) physically disconnected, or 2) not physically disconnected but service discontinued without payments being made. Shall not include 1) temporarily disconnected, or 2) service discontinued without payments being made for less than 12 consecutive months, and is being reconnected as it existed, prior to the temporary disconnection or discontinuance of service. N.J.S.A. 40:14A-8.5(e).



# NORTH HUDSON SEWERAGE AUTHORITY

# ESTIMATE

1600 ADAMS STREET  
 HOBOKEN, NJ 07030  
 201-963-6043

Sarabrina 649 LLC  
 8 South Woodland Street  
 Englewood, New Jersey 07601  
 Attention: Georgette Benmoha

APPLICATION NUMBER | 22010301  
 INVOICE DATE | June 3, 2022

GALLONS	DESCRIPTION	GPD	AMOUNT
9,600	GPD <b>Project:</b> Sixteen (16) One Bedroom Units Thirty-Two (32) Two Bedroom Units <b>Project Address:</b> <b>Bergen Turnpike &amp; 38th Street, UC</b>		
	Application fee		\$ 500.00
	Connection fee Rate: \$2,880.00	9,600	\$ 92,160.00
	Surcharge fee Rate: \$0.04	9,600	\$ 384.00
	Review/Inspection fees Rate: \$0.10 *min \$2500		\$ 2,500.00
	Additional review fees		\$ 1,700.00
	<b>TOTAL PROJECT FEES:</b>		<b>\$ 97,244.00</b>
	Payments received:		
	Check #1022 received 1/3/2022		\$ 500.00
	Check #1023 received 1/3/2022		\$ 2,500.00
	<b>TOTAL PAYMENTS:</b>		<b>\$ 3,000.00</b>
Connection fee calculation: GPD/300 x Rate			
Surcharge fee calculation: GPD x Rate			
Review/Inspection fees: GPD x Rate min \$2500		Total	\$ 94,244.00
<b>*Project goes to North Bergen</b>		<b>MAKE ALL CHECKS PAYABLE TO:</b> NHS A	PAY THIS AMOUNT

1600 Adams Street  
 Hoboken, NJ 07030