AGENDA

LONG BRANCH SEWERAGE AUTHORITY

REGULAR MEETING

SEPTEMBER 17, 2025

I. Opening of meeting at _____ p.m. by _____

II. Notation of Attendance & Pledge of Allegiance

Name	Position	In	Out
Donald S. Riley	Chairman		
Michael Booth	Vice-Chairman		
David G. Brown	Secretary		
Bryan I. Larco	Treasurer		
Susie Morris	Asst. Secretary/ Treas.		
Thomas Roguski	Executive Director		
Charles J. Fallon	Auditor		
John L. Bonello	Counsel		
John McKelvey	Engineer		
Nicole Woods	Secretary		

III. Announcement by presiding officer, pursuant to New Jersey Open Public Meetings Act, that

Adequate Notice of this Regular Meeting and of all Regular Meetings for the Year 2025, has been provided by publication thereof in the *Link News* on February 24, 2025 as a "legal" advertisement, in the *Asbury Park Press* on February 26, 2025 as a "legal" advertisement and in the *Coaster* on February 27, 2025 as a "legal" advertisement, and by forwarding duplicates thereof on February 20, 2025, to the Clerks of the City of Long Branch, Borough of West Long Branch and Borough of Monmouth Beach for filing in their respective offices and for posting in a public place in each such Municipality.

IV. Public Participation

Motion by_____, seconded by _____ that this item of the Agenda be closed.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

V Miscellaneous Suggestions for Good of Authority

Motion by_____, seconded by _____ that this item of the Agenda be closed.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

VI. As to Minutes of the Regular Meeting of August 20, 2025

Motion by _____, seconded by _____ that the reading of the minutes of the Regular Meeting of the Long Branch Sewerage Authority held on August 21, 2024, be dispensed with, and that such Minutes be, and they are hereby, approved as recorded and circulated.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

VII. As to Minutes of the Executive Session held on August 20, 2025, if any **(NONE)**

Motion by _____, seconded by _____ that the reading of the minutes of the Executive Session held on August 20, 2025, be dispensed with, and that such Minutes be, and they are hereby, approved as recorded and circulated.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

VIII. Correspondence

Motion by_____, seconded by _____, as to items to be received and filed.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

LIST OF CORRESPONDENCE FOR REGULAR MEETING

LONG BRANCH SEWERAGE AUTHORITY

SEPTEMBER 17, 2025

1) Certified Notice dated 08/13/25 received 08/21/25 from Michael & Eleni Corbosiero, re: 147 Second Ave. / Block 227 Lot 1.01

2) Certified Notice of Hearing dated 08/12/25 received 08/21/25 from Jennifer S. Krimko, Esq., re: Block 11 Lot 10, Ocean Township (NOT LBSA)

3) Letter dated 08/25/25 received 08/25/25 from Colliers Engineering & Design, re: North Light LLC. / 305 Broadway Ave/ Block 268 Lots 1-7, 32 & 33

4) Letter dated 08/25/25 (REVISED 8/27/25) received 08/27/25 from Colliers Engineering & Design, re: PV Condo LLC/ 36 Morris Ave / Block 218 Lot 4.01

5) Certified Public Notice dated 08/22/25 received 08/25/25 from Joseph Ferraina, re: 107 Matilda Terrace/ Block 147 Lot 11.01

6) Letter dated 08/25/25(REVISED 08/27/25) received 08/27/25 from Colliers Engineering & Design, re: Morris Ave Commons, LLC / 400 Morris Ave / Block 230 Lot 13.01

7) Letter dated 08/21/25 received 08/25/25 from Krenkel & Krenkel, LLC, re:161 Wardell Place/ Block 161 Lot 26/ Applicant seeks to construct a single-family residence on the existing vacant lot

8) Proposal dated 09/09/25 received 09/09/25 from CME Associates for the 2025 WWTP and Collection System Capital Improvements

9) Proposal dated 09/09/25 received 09/09/25 from Colliers Engineering and Design for the 2025 WWTP and Collection System Capital Improvements

10) Proposal dated 09/09/25 received 09/09/25 from Remington & Vernick Engineers for the 2025 WWTP and Collection System Capital Improvements

11) Proposal dated 09/09/25 received 09/09/25 from T&M Associates for the 2025 WWTP and Collection System Capital Improvements

12) Proposal dated 09/09/25 received 09/10/25 from Van Cleef Engineering for the 2025 WWTP and Collection System Capital Improvements

ACTION

13) Letter dated 09/10/25 received 09/10/25 from Colliers Engineering and Design, re: Approval of the application from LB648, LLC for 648 Second Avenue / Block 93 Lot 1

14) Letter dated 09/10/25 received 09/10/25 from Colliers Engineering and Design, re: Engineer's Status Report for September 2025 meeting

15) Application dated 09/03/25 received 09/04/25 from Stonefield Engineering and Design, LLC, re: 83 North Broadway / Block 305 Lot 9 / Proposed Mixed Use Development

16) Letter dated 08/29/25 received 09/03/25 from Nelson Engineering Associates, Inc., re: 479 Ocean Ave. / Block 470 Lot 4.02

17) Certified Letter received 09/12/25 from Marion Fragale, re: Utility Availability Request: Sewer for Block 356 Lots 2 and 10

IX. Report of Executive Director for the September 17, 2025 Authority Meeting

Motion by_____, seconded by _____ that the same, as prepared and submitted, is approved and ordered received and filed and made a part of the Minutes of this Meeting

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

X. Report by Authority Counsel of the Activities of that Office and of Actions taken since August 20, 2025

Motion by _____, seconded by _____ that all actions taken and dispositions made by Authority Counsel, of and with regard to each and all of the foregoing items be, and they are in all respects, approved, confirmed and ratified.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

XI. Report by Authority Auditor of the Activities of that Office and of Actions taken since August 20, 2025

Motion by _____, seconded by _____ that all actions taken by Authority Auditor, of and with regard to each and all of the foregoing items be, and they are in all respects, approved, confirmed and ratified.

Riley	Booth	Brown	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

XII. Report by Authority Consulting Engineer of the Activities of that Office and of Actions taken since August 20, 2025

A. Engineer's Report on Redevelopment Projects
B. Capital Improvement Program
C. General Engineering

See attached Engineer's Status Report, dated September 10, 2025

Motion by _____, seconded by _____ that all actions taken by Authority Consulting Engineer, of and with regard to each and all of the foregoing items be, and they are in all respects, approved, confirmed and ratified.

Booth	Brown	Riley	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

XIII. Transfers, if any

Resolution by _____, seconded by _____ that the List of Transfers, as submitted, is approved, ordered, received and filed and made a part of the Minutes of this Meeting.

Booth	Brown	Riley	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

XIV. As to Bills submitted for payment by Long Branch Sewerage Authority for the September 17, 2025 Meeting

Resolution by_____, seconded by _____that the Schedule of Bills for the month of August 2025 prepared and submitted by the Executive Director for approval, is found regular and payment of each and all thereof, be, and it is, hereby, authorized to be made out of funds of Authority as the same are, or may become, available for such purpose.

Booth	Brown	Riley	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

XV. Report, if any, by Investment Committee

Resolution by _____, seconded by _____that the Investments be approved and made.

Booth	Brown	Riley	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

XVI. Old Business

XVII. New Business

XVIII. Adjournment at _____ o'clock p.m.

Motion by _____, seconded by _____ that the meeting be adjourned.

Booth	Brown	Riley	Larco	Morris
AYES	NAYS	ABSTAIN	ABSENT	

RESOLUTION

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, LB648, LLC has applied for sewer connection for 648 Second Avenue, known as Block 93, Lot 1, and

WHEREAS, the application was accompanied by the necessary documentation, and

WHEREAS, the Authority Consulting Engineer, Colliers Engineering & Design, has reviewed the associated documents, and has recommended that the application be conditionally approved in their letter, dated September 10, 2025, attached hereto and made a part hereof, and

WHEREAS, there is adequate WWTP capacity to service the request.

NOW, THEREFORE, BE IT RESOLVED by the Long Branch Sewerage Authority that the application of LB648, LLC for connection to the sewerage system be and the same is hereby approved conditionally as per the letter of the Authority Consulting Engineer, Colliers Engineering & Design, dated September 10, 2025, and upon the payment of all requisite fees, including, but not limited to, 50% of the total connection fee due prior to issuance of the City of Long Branch Building Permit, and the remaining 50% due prior to issuance of any Certificate of Occupancy.

BE IT FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date: September 17, 2025
R1.9-25
Exhibit A

RESOLUTION

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, the Long Branch Sewerage Authority (hereinafter "the Authority") requires jet-vac maintenance and service for is 2025 Jet-Vac Truck, pursuant to N.J.A.C. 5:34-9.1 Purchase of Proprietary Goods or Services, and

WHEREAS, the referenced jet-vac maintenance and service is provided by the manufacturer required for proper operation of the Authority's 2025 Jet-Vac Truck, and

WHEREAS, the referenced 2025 Jet-Vac Truck and associated components are proprietary, and

WHEREAS, the referenced 2025 Jet-Vac Truck is specifically designed for the specific operational needs of the Authority, and the use of a jet-vac maintenance and service provider other than the proprietary one will undermine the functionality or operational performance of the Authority's 2025 Jet-Vac Truck; and

WHEREAS, the Authority has a substantial investment in its 2025 Jet-Vac Truck that warrants reliance on a specific manufacturer and vendor to maintain the value of the investment; and

WHEREAS, the Authority Executive Director has certified in writing that the goods or services are of a specialized nature and necessary for the proper operation of the Authority's 2025 Jet-Vac Truck, per the certification attached hereto and made a part hereof, and

WHEREAS, the Authority desires to procure jet-vac maintenance and service for its 2025 Jet-Vac Truck per Invoice No. 0000004862, undated, from Jet Vac Equipment, in the amount of $6,062.13, attached hereto and made a part hereof, and

WHEREAS, the Authority Executive Director has certified that there are funds available for this purchase as per the certification attached hereto and made a part hereof.

NOW, THEREFORE BE IT RESOLVED, by the Long Branch Sewerage Authority that the Authority is hereby authorized to procure jet-vac maintenance and service for its 2025 Jet-Vac Truck per Invoice No. 0000004862, undated, from Jet Vac Equipment, in the amount of $6,062.13, required for its 2025 Jet-Vac Truck.

BE IT RESOLVED FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date: September 17, 2025
R2.9-25
Exhibits B, C, & D

A RESOLUTION OF LONG BRANCH SEWERAGE AUTHORITY AUTHORIZING THE PURCHASE OF ELECTRICITY SUPPLY SERVICES FOR PUBLIC USE ON AN ONLINE AUCTION WEBSITE

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, Long Branch Sewerage Authority has determined to move forward with the EMEX Reverse Auction in order procure electricity for Long Branch Sewerage Authority; and

WHEREAS, the Local Government Electronic Procurement Act (P.L. 2018, c. 156) (the "Act") authorizes the purchase of electricity supply service for public use through the use of an online auction service; and

WHEREAS, the Long Branch Sewerage Authority will utilize the online auction services of EMEX, LLC, a division of Mantis Innovation an approved vendor pursuant to the Act; and

WHEREAS, EMEX, LLC is compensated for all services rendered through the participating supplier that a contract is awarded to; and

WHEREAS, the auction will be conducted pursuant to the Act; and

WHEREAS, if the auction achieves a price of $0.12 kwh or less for any period and at terms favorable to the Long Branch Sewerage Authority; Long Branch Sewerage Authority may award a contract to the winning supplier for the selected period at the sole discretion of the Long Branch Sewerage Authority Chairman and/or Executive Director.

NOW THEREFORE BE IT RESOLVED BY THE LONG BRANCH SEWERAGE AUTHORITY, that the Executive Director of the Long Branch Sewerage Authority is hereby authorized to execute on behalf of the Long Branch Sewerage Authority any electricity contract proffered by the participating supplier that submits the winning bid in the EMEX Reverse Auction if the auction achieves a price of $0.12 kWh or less for any period and at terms favorable to the Long Branch Sewerage Authority; Long Branch Sewerage Authority may award a contract to the winning supplier for the selected period at the sole discretion of the Long Branch Sewerage Authority Chairman and/or Executive Director.

BE IT RESOLVED FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date: September 17, 2025
R3.9-25

RESOLUTION

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, Long Branch Sewerage Authority employees and Authority Commissioners desire to attend the Association of Environmental Authorities of New Jersey (hereinafter referred to as "NJAEA") Annual Conference to be held November 17, 2025 and November 18, 2025, at Caesar's in Atlantic City, and

WHEREAS, it is to the benefit of the Long Branch Sewerage Authority to have its employees and Authority Commissioners to continue their education and maintain licenses.

NOW, THEREFORE, BE IT RESOLVED BY THE LONG BRANCH SEWERAGE AUTHORITY THAT:

1. The aforementioned employees and Authority Commissioners are authorized to attend the above referenced NJAEA Annual Conference subject to the Executive Director's scheduling and approval.

2. The Authority will pay all registration fees for this purpose including accommodation.

3. The Authority will allow a maximum amount of $100.00 per day per person for reimbursable expenses.

4. The Authority will provide all transportation costs for attending the meeting.

5. Participants will follow the rules for "Schooling" covered in the appropriate Article in their Contract.

6. Any Authority Commissioners are also authorized to attend if they so desire under the same terms and conditions.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date: September 17, 2025
R4.9-25

RESOLUTION

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, Long Branch Sewerage Authority employees and Authority Commissioners desire to attend the New Jersey Water Environment Association (hereinafter referred to as "NJWEA") 2025 Fall Technology Transfer Seminar to be held October 20, 2025 to October 23, 2025, at the Sheraton in Eatontown, and

WHEREAS, it is to the benefit of the Long Branch Sewerage Authority to have its employees and Authority Commissioners to continue their education and obtain licenses.

NOW, THEREFORE, BE IT RESOLVED BY THE LONG BRANCH SEWERAGE AUTHORITY THAT:

1. Authority employees and Authority Commissioners are authorized to attend the above referenced NJWEA 2025 Fall Technology Transfer Seminar subject to the Executive Director's scheduling and approval.

2. The Authority will pay all registration fees for this purpose.

3. The Authority will provide all transportation costs for attending the meeting.

4. Participants will follow the rules for "Schooling" covered in the appropriate Article in their Contract.

5. Any Authority Commissioners are also authorized to attend if they so desire under the same terms and conditions.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date: September 17, 2025
R5.9-25

RESOLUTION

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, The Greater Long Branch Chamber of Commerce will be holding the 90th Louis G. Libutti Community Service Award and Jacob Jones the Humanitarian Award ceremony, and

WHEREAS, the Members of the Long Branch Sewerage Authority wish to support the Chamber of Commerce and the honorees by attending the 2025 Annual Awards Dinner.

NOW, THEREFORE, BE IT RESOLVED that the Authority Chairman and/or Executive Director are hereby authorized to make any arrangements necessary to secure a table at the Greater Long Branch Chamber of Commerce Annual Awards Dinner.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date: September 17, 2025
R6.9-25

RESOLUTION

_____ offered the following Resolution and moved its adoption; seconded by _____

WHEREAS, Section 8 of the Open Public Meetings Act, Chapter 231, P.L. 1975, permits the exclusion of the public from a meeting in various circumstances, and

WHEREAS, this public body is of the opinion that such circumstances presently exist,

NOW, THEREFORE BE IT RESOLVED by the Long Branch Sewerage Authority as follows:

1. The Public shall be excluded from discussion and action upon the hereinafter subject matters.

2. The general nature of the subject matter to be discussed is as follows:

3. It is anticipated at this time that the above-stated subject matters will be made public when the matters are resolved.

4. This Resolution shall take effect immediately.

ROLL CALL:

Mr. Riley -
Mr. Booth -
Mr. Brown -
Mr. Larco -
Mrs. Morris -

Date:
ResExSess

LONG BRANCH SEWERAGE AUTHORITY

EXECUTIVE DIRECTOR'S REPORT

FOR THE PERIOD AUGUST 20, 2025 TO SEPTEMBER 16, 2025

We have treated an average daily flow of 2.54 MGD, the effluent quality being of a good degree with an average suspended solid discharge of 8.66 ppm and an average B.O.D. discharge of 9.44 ppm. We have met all limits of our discharge permit.

As authorized by the Board last month, Specifications for our Annual Contracts were advertised. Once received, the bids will be reviewed, and recommendations made to the Board for consideration at the October 2025 Meeting.

Preparation of the 2026 Authority Budget has begun, and the proposed budget will be presented to the Board for consideration at the October 2025 Meeting

The Authority's 2025 Jet-Vac Truck requires jet-vac maintenance and service for its jet-vac system. A quotation for same has been received. The Authority has a substantial investment in its 2025 Jet-Vac Truck, and the use of a service provider other than the proprietary one will undermine the functionality or operational performance of the jet-vac truck.

Mantis Innovation will be conducting online bidding on September 24, 2025 for the Authority's electrical power contract for a one (1) year and two (2) period. A resolution regarding same is attached. Note that Mantis Innovation recommended that the Authority remain on utility costs for natural gas.

The Association of Environmental Authorities of New Jersey Annual Meeting and Conference will be held on November 17 and 18, 2025, and the New Jersey Water Environment Association (NJWEA) 2025 Fall Technology Transfer Seminar is scheduled for October 20 through October 23, 2025 Authority Personnel and Board Members have expressed a desire to attend to obtain their continuing education hours required to hold their professional, operator and collection licenses and for educational/training purposes. I recommend approving Board Members and Authority Personnel to attend.

The Greater Long Branch Chamber of Commerce Annual Awards Dinner will be held shortly. I recommend approving Board Members and Authority Personnel to attend.

We have calculated daily and projected flows for the Capacity Assurance Program. Our average twelve-month flow is 2.352 MGD, with an additional 0.35831 MGD in approved and conceptual projects for a total of 2.710 MGD. This gives the Authority an additional available capacity of 2,690,020 gallons per day or 8,967 units based on 300 gallons per day per unit at full capacity, or 8,067 units based on 300 gallons per day per unit at 95% capacity.

The Authority's Collection System Crew for the month has investigated nineteen (19) stoppages, of which eight (8) were the responsibility of the LBSA and eleven (11) were the private owners' responsibility.

Respectfully submitted,

Thomas Roguski, PE, CME
Executive Director

Capacity	Assurance							
	Present Flow	**Approved Project**	**Est. Flow**		**Conceptual Project**	**Est. Flow**		
	MGD							
		Aqua-Vista (20 + Retail)	0.00436		145 Brighton Avenue (12 + 0.9K)	0.00279		
Aug-25	2.54	394 & 400 Morris Avenue (8)	0.0024		700 Joline Avenue	0.007		
Jul-25	2.86	201 - 215 Third Avenue (30 + 8.2K)	0.00982		83 North Broadway (12 + 1.5K)	0.002625		
Jun-25	2.53	671 Broadway	0.00066		175 Chelsea Avenue (33)	0.0099		
May-25	2.37	Reformed Church of LB Housing	0.00338		305 Broadway (Mixed Use)	0.018425		
Apr-25	2.67	Monmouth University – BSACAM	0.00265		Synagogue Add. - 295 Park Ave.	0.00521		
Mar-25	2.34	Takanassee Lake (13)	0.00390		Bluffs (109)	0.0327		
Feb-25	2.18	665 Second Avenue (22 + Mix Use)	0.00829		Onada Surf Club Residential (47)	0.01300		
Jan-25	2.08	112 Brighton Avenue (4 + 2K)	0.001401		369-375 Broadway (20 +1K)	0.0061		
Dec-24	2.13	279 Third Avenue (154B + 11.1K)	0.01651		456 Atlantic Avenue (4)	0.0012		
Nov-24	2.09	169 Chelsea Avenue (4)	0.0012		394 Bath Avenue	0.00120		
Oct-24	2.14	Ocean Acre 119-129 Franklin (8)	0.00240		29 Long Branch Avenue (Calc)	0.018		
Sep-24	2.29	180 Brighton (24 + 5.5K)	0.00595		410 Broadway (94)	0.0282		
12-Month Tot.	28.22	180 Morris Avenue (28 + Office)	0.00457		19 7th Avenue (20 + 1.5K)	0.00405		
		336 Branchport (40 + 4K)	0.0148		115-127 Brighton Avenue (24 + 5K)	0.00770		
Design	5.4	Lower Broadway (299 + 25K)	0.05850		336 Ocean Boulevard (4)	0.00120		
12-Month Avg.	2.352	390-392 Ocean (132)	0.0396		192 Broadway (6 + 1.3K)	0.00193		
Approved	0.1891	156-164 Franklin Avenue (9)	0.00270		648 Second Avenue	0.005		
Conceptual	0.1692	333-345 Second Ave. (14)	0.0042		85 Chelsea Avenue (10)	0.003		
Total	2.710	215 Brighton Avenue (6)	0.0018					
		Total Approved Project	0.18908		Total Conceptual Project	0.16923		
					Approved & Conceptual	0.35831		
		95% of capacity is	5.13		Percent of 100% capacity available	50%	2.69	MGD
					Percent of 95% capacity available	47%	2.42	MGD
Available	**2.690020**				**Equivalent Units Available**	**8,967**	**@ 100% Capacity**	
in MGD					**based on 300 gals/day/ unit**			
					Equivalent Units Available	**8,067**	**@ 95% Capacity**	
					based on 300 gals/day/ unit			

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

Colliers Engineering & Design

September 10, 2025

VIA EMAIL

Thomas Roguski, P.E., CME, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 720
Long Branch, New Jersey 07740

Engineer's Status Report
September 2025 Meeting
Colliers Engineering & Design Project No. LBS-001

Dear Mr. Roguski,

The following is a report on the status of projects for which Colliers Engineering & Design, Inc. (CED) is responsible:

1. **Capital Projects**

   a. **Sanitary Sewer Railroad Crossing Study and Improvements (LBS-274)**

      As-builts have been submitted and accepted by the Authority and closeout documentation has been provided to the NJDEP. Awaiting full project close out with NJDEP.

   b. **Hoey Pump Station Force Main Replacement (LBS-275)**

      A final Change Order has been approved by New Jersey Department of Environmental Protection (NJDEP). Awaiting full project close out with NJDEP.

   c. **Sludge Holding System Modifications & Final Settling Tank Improvements (LBS-281)**

      LBSA approved project close out in 2024. Final As-built documentation completed by CED. Awaiting full project close out with NJDEP. Our office has prepared and submitted closeout documentation per NJDEP request.

   d. **I/I Study and Improvements (LBS-284)**

      As-builts have been submitted and accepted by the Authority and closeout documentation has been provided to the NJDEP. Awaiting full project close out with NJDEP.

Colliers Engineering & Design

e. **WWTP Expansion Study (LBS-0329)**

Report reviewed at the January 2025 board meeting. Meeting to be scheduled by LBSA with the Engineering Committee to discuss further.

f. **Hoey Pump Station Improvements (LBS-0330)**

The NJDEP has issued Authorization to Award the Hoey Pump Station Improvements contract to Rapid Pump & Meter Service Company LLC. Fully executed contract documents have been prepared. A preconstruction meeting was held with the Contractor and the NJDEP on May 2, 2025. Notice to Proceed has been provided. The Contractor has submitted shop drawings for review. The Contractor has submitted a no cost time extension change order which was approved at the Authority's July 2025 meeting. The no cost time extension change order was approved by the NJDEP on September 8, 2025.

2. **Active Escrow Projects**

a. **180 Morris Avenue (in construction) (LBS-289)**

Sanitary sewer lateral construction has been completed and awaits final testing and preparation of punchlist items.

b. **Takanassee (in construction) (LBS-290)**

The sanitary main and laterals have been installed. Final testing is complete. Updated punch list was sent to Applicant on October 23, 2024. Developer working on building construction.

c. **Proposed 7-Eleven (LBS-292)**

Approval letter was sent to the Applicant on January 7, 2021.

d. **Beachfront LLC (in construction) (LBS-294)**

One lateral has been installed and awaits final inspection. Three remaining laterals to be installed at a future date.

e. **Broadway Place (Phase I/II) (LBS-295)**

The majority of sanitary sewer installation construction work within Broadway is complete and pending final inspection, testing and preparation of a punchlist. The revised plans submitted by the applicant has been reviewed and approved, construction of the sanitary sewer lateral is ongoing.

Colliers Engineering & Design

f. NJDOT Bridge over Troutman's Creek (LBS-315)

A meeting with NJDOT took place on Friday, June 10, 2022. Follow up meetings with the NJDOT consulting engineer have been held on April 30, 2025 and on June 4, 2025 to discuss recently submitted updated NJDOT utility plans and specifications. Revised documents have been submitted, reviewed and deemed acceptable. The final documents were forwarded to the Authority for endorsement and subsequently forwarded to NJDOT. The Authority will be notified in advance of any of the proposed construction activities that will impact sewer facilities. Additional escrow has been requested from the NJDOT to cover engineering services during construction.

g. Ocean Gate (in construction) (LBS-0316)

All construction work is complete and final testing and inspections have been performed. All construction related punchlist items have been satisfactorily addressed. Project closeout contingent on submission of outstanding administrative items.

h. 175 Chelsea Avenue (LBS-0317)

A review letter was sent on June 8, 2021 to the Applicant. A revised submission was made, and a letter was sent to the Applicant on September 9, 2021, outlining remaining items to be submitted.

i. 290 Ocean Avenue (LBS-0321)

A review letter was sent on January 10, 2022 to the Applicant.

j. 185 Morris Avenue (in construction) (LBS-0325)

All construction work is complete and final testing and inspections have been performed. All construction related punchlist items have been satisfactorily addressed. Project closeout contingent on submission of outstanding administrative items.

k. 279 Third Avenue (LBS-0326)

A review letter was sent to the Applicant on October 3, 2022.

l. The Atlantic Club (LBS-0334)

Preconstruction was held. Construction start date pending submission, review and approval of administrative items.

Colliers Engineering & Design

m. Santos Subdivision (LBS-0004)

The applicant has submitted revised plans proposing individual grinder pumps for approval, the NJDEP has confirmed that a TWA will be required for the application. The applicant has resubmitted documents for review and approval.

n. 156-164 Franklin Avenue (LBS-0005)

Construction of sewer facilities and final testing are complete. Final inspection to be scheduled and punchlist to be issued upon completion of inspection. Developer constructing buildings in phases.

o. Second Avenue Multi-Use Development (LBS-0336)

The majority of sanitary sewer construction is complete and final testing remains to be completed. Final inspection to be scheduled and punchlist to be issued upon completion of inspection.

p. Enclave at West End (LBS-0337)

All construction work is complete and final testing and inspections have been performed. All construction related punchlist items have been satisfactorily addressed. Project closeout contingent on submission of outstanding administrative items.

q. 169 Chelsea Avenue (LBS-0338)

Revised plans to eliminate proposed deep connections to existing sewer have been reviewed and approved. The contractor has installed three (3) sanitary sewer laterals of 3 to be constructed and connected to an existing manhole per the approved plans.

r. 333-345 Second Avenue Proposed Townhouse Development (LBS-0339)

Sanitary sewer construction is complete and final testing remains to be completed. Final inspection to be scheduled and punchlist to be issued upon completion of inspection.

s. Ocean Acre (LBS-0340)

Approval letter was provided to the Applicant on March 21, 2024.

t. Branchport Crossing (LBS-0342)

Conditional approval letter was provided to the Applicant on February 21, 2025. TWA approval has been received.

Colliers Engineering & Design

u. Monmouth University BSACAM (LBS-0344)

Conditional approval letter was provided to LBSA on July 10, 2024. NJDOT approval has been received. A pre-construction meeting was held June 4, 2025.

v. Sephardic Torah Temple (LBS-0345)

The application received conditional approval at the October 2024 meeting. Notice has been sent to the Applicant. Resubmission documents have been reviewed and comments provided.

w. RCHP Affordable Housing Corporations (LBS-0346)

The application received conditional approval at the October 2024 meeting. Notice has been sent to the Applicant. Awaiting submission of revised documents for review and approval.

x. 201, 213 & 215 Third Ave. (LBS-0347)

Revised application documents have been reviewed, and review letter was issued January 22, 2025. A capacity study is to be performed by the applicant and results of the same submitted for review and approval.

y. Seventh Avenue Apartments (LBS-0349)

The application received conditional approval at the April 2025 meeting. Notice has been sent to the Applicant. Awaiting submission of revised documents for review and approval.

z. 112 Brighton Avenue (LBS-0350)

The application received conditional approval at the April 2025 meeting. Notice has been sent to the Applicant. Revised documents have been submitted and reviewed, notice of approval has been sent to the Applicant.

aa. 85 Chelsea Avenue (LBS-0351)

The application received conditional approval at the July 2025 meeting. Notice has been sent to the Applicant.

bb. 305 Broadway Mixed-Use Development (LBS-0353)

The application received conditional approval at the August 2025 meeting. Notice has been sent to the Applicant.

cc. Wave Condominium (LBS-0354)

The application received conditional approval at the August 2025 meeting. Notice has been sent to the Applicant.

dd. 400 Morris Avenue (LBS-0355)

The application received conditional approval at the August 2025 meeting. Notice has been sent to the Applicant.

ee. 648 Second Avenue (LBS-0356)

A letter of conditional approval has been provided to the Authority for consideration at the next monthly meeting.

Should you have any questions or require any additional information, please do not hesitate to contact me directly.

Sincerely,

Colliers Engineering & Design, Inc.
(DBA Maser Consulting)



John J. McKelvey, P.E.
Senior Project Manager

r:\projects\i-l\lbs\lbs001\reports\monthly status updates\2025\250910_jjm_roguski_september meeting.docx

LONG BRANCH SEWERAGE AUTHORITY
RECEIPTS FOR THE MONTH OF AUGUST 2025
AMOUNTED TO $733,350.75

DIVIDED AS FOLLOWS:			**Acct. #**
Service, Fees & Interest on Sewer Charges	$	696,187.54	300024645
Interest on Collection Account		984.67	300024645
Interest on Developers Escrow		388.81	300032044
Interest on Payroll Checking		41.25	300024660
Interest on A/P Checking		199.59	300024652
Interest on EFT Checking		6.39	300005872
July 2025 Interest			
Interest on Revenue Fund		21,924.41	217800
Interest on General Fund		13,441.24	217801
Interest on Bond Service Fund		0.30	217802
Interest on Maintenance Reserve Fund		176.55	217803
	$	733,350.75	

Investments as of 9/17/2025

C/D's

Maintenance Reserve Fund - Kearny Bank	$	123,000.00
Kearny Bank	$	140,000.00

Cash Transfers for the Month of August, 2025

From Operating Ckg. To Payroll Ckg.	$	126,555.85
From Collection to Operating Ckg		767,118.08
From Collection to Payroll		6,112.75
From Payroll to Operating		75,000.00
Fom Collection to EFT Chkg		78,265.03

LONG BRANCH SEWERAGE AUTHORITY
BANK BALANCE, PETTY CASH, AND INVESTMENTS
FOR THE MONTH OF AUGUST 2025
AMOUNTED TO $13,598,985.23

REVOLVING CKG ACCTS.- KEARNEY FEDERAL SVGS.			**Acct. #**
Payroll Checking	$	64,596.86	300024660
Accounts Payable Checking		34120.66	300024652
EFT Checking		14.74	340785872
Petty Cash		400.00	N/A
	$	99,132.26	

ESCROW ACCT. - KEARNEY FEDERAL SVGS.			**Acct. #**
Developer's Escrow	$	393,165.93	300032044

TRUST ACCT. - KEARNEY FEDERAL SVGS.			**Acct. #**
Collection Account	$	1,227,685.19	300024645

TRUST ACCOUNTS - BANK OF NEW YORK			**Acct. #**
July 2025 Balances			
2024 Revenue Bonds Escrow Fund	$	0.00	958452
2024 Revenue Bonds COI Fund		0.00	958454
Revenue Fund		7,327,574.60	217800
General Fund		4,492,321.72	217801
Bond Service Fund		107.42	217802
Maint. Reserve Fund		58,998.11	217803
	$	11,879,001.85	

Cash Requirements for Payroll

Payperiod End 8/16/2025 in the amount of	$	60,001.72
Payperiod End 8/31/2024 in the amount of		61,014.46

Long Branch Sewerage Authority
Bill List By Vendor Name

09/16/2025
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Ranges	Item Status	Purchase Types	Misc
Range: *First to Last* ***Rcvd Batch Id Range:*** *First to Last*	***Open:*** *N* ***Void:*** *N* ***Paid:*** *N* ***Held:*** *Y* ***Aprv:*** *N* ***Rcvd:*** *Y*	***Bid:*** *Y* ***State:*** *Y* ***Other:*** *Y* ***Exempt:*** *Y*	***P.O. Type:*** *All* ***Include Project Line Items:*** *Yes* ***Format:*** *Detail without Line Item Notes* ***Include Non-Budgeted:*** *Y* ***Prior Year Only:*** *N* **** Means Prior Year Line:*** ***Vendors:*** *All*

Vendor # / *P.O. #* / *Item Description*	*Name* / *PO Date*	*Description* / *Amount*	*Charge Account*	*Acct Type*	*Contract* / *Description*	*PO Type* / *Stat/Chk*	*First Enc Date*	*Rcvd Date*	*Chk/Void Date*	*Invoice*	*1099 Excl*
AMBAS005	AMBASSADOR MEDICAL SERVICES IN										
25000437	08/19/25	RANDOM DRUG TEST									
1 RANDOM DRUG TEST		$60.00	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	08/28/25	09/15/25		188535	N
	Vendor Total:	**$60.00**									
ATLAN005	ATLANTIC PLUMB SUPPLY INC										
25000060	01/02/25	2025 BLANKET				B					
42 HAND CLEAN TOWEL		$24.40	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/10/25		S4442535.001	N
	Vendor Total:	**$24.40**									
BRENN005	BRENNTAG NORTHEAST, LLC										
25000013	01/01/25	SODIUM HYPOCHLORITE 2025				B					
25 SODIUM HYPOCHLORITE - AUGUS		$4,212.50	01-900-003-7504	E	CHEMICALS-SODIUM HYPOCHLORIT	R	01/02/25	09/10/25		BNE349719	N
26 SODIUM HYPOCHLORITE - AUGUS		$4,355.00	01-900-003-7504	E	CHEMICALS-SODIUM HYPOCHLORIT	R	01/02/25	09/10/25		BNE350648	N
27 SODIUM HYPOCHLORITE - AUGUS		$3,312.50	01-900-003-7504	E	CHEMICALS-SODIUM HYPOCHLORIT	R	01/02/25	09/10/25		BNE351890	N
28 SODIUM HYPOCHLORITE - AUGUS		$4,252.50	01-900-003-7504	E	CHEMICALS-SODIUM HYPOCHLORIT	R	01/02/25	09/10/25		BNE353017	N
		$16,132.50									
	Vendor Total:	**$16,132.50**									
BULLE005	BULLET LOCK & SAFE INC										
25000446	08/01/25	KEYS									
1 KEYS		$8.00	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	08/01/25	09/10/25			N
	Vendor Total:	**$8.00**									
CHESA005	CHESAPEAKE EXTERMINATING										
25000058	01/02/25	PEST CONTROL BLANKET				B					
9 PEST CONTROL - AUGUST		$80.00	01-900-001-8300	E	OFFICE EXPENSES	R	01/02/25	09/10/25			N
	Vendor Total:	**$80.00**									
COLLI005	COLLIERS ENGINEERING & DESIGN										
25000434	08/01/25	ENGINEERING - AUGUST									

Long Branch Sewerage Authority
Bill List By Vendor Name

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Vendor # / P.O. # / Item Description	Name / PO Date / Description	Amount	Charge Account	Acct Type	Contract / PO Type / Description	Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
COLLI005	COLLIERS ENGINEERING & DESIGN				*Account Continued*						
1 ENGINEERING - AUGUST		$627.60	01-900-001-8002	E	ENGINEERING	R	08/01/25	09/15/25		1085222	N
2 MONTHLY HOSTING FEE		$500.00	01-900-001-8002	E	ENGINEERING	R	08/01/25	09/15/25		1080792	N
3 HOEY PUMP STATION - NJFIB		$2,703.41	01-900-001-8002	E	ENGINEERING	R	08/01/25	09/15/25		1085237	N
		$3,831.01									
	Vendor Total:	**$3,831.01**									
ELECT005	ELECTRO MAINTENANCE INC										
25000207	01/02/25 2025 BLANKET				B						
8 REPAIRS JOLINE PUMP STATION		$1,061.80	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/10/25		14482	N
9 REPAIRS JOLINE PUMP STATION		$1,171.50	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/10/25		14483	N
		$2,233.30									
	Vendor Total:	**$2,233.30**									
FEDER005	FEDERAL EXPRESS CORP.										
25000451	08/18/25 POSTAGE										
1 POSTAGE		$3.48	01-900-001-8300	E	OFFICE EXPENSES	R	09/15/25	09/15/25		970130928	N
	Vendor Total:	**$3.48**									
FISHE005	FISHER SCIENTIFIC INC.										
25000014	01/01/25 LAB SUPPLIES BLANKET				B						
21 LAB SUPPLIES - AUGUST		$178.19	01-900-003-7102	E	REPAIRS & SUPPLIES - LAB	R	01/02/25	09/10/25		2973050	N
	Vendor Total:	**$178.19**									
FREEH005	FREEHOLD CARTAGE INC										
25000005	01/01/25 SLUDGE, SAND & GRIT - BLANKET				B						
22 GRIT REMOVAL - AUGUST		$1,775.00	01-900-003-7300	E	GRIT REMOVAL	R	01/15/25	09/10/25		2312948	N
23 GRIT REMOVAL - AUGUST		$1,775.00	01-900-003-7300	E	GRIT REMOVAL	R	01/15/25	09/10/25		2323935	N
24 SLUDGE REMOVAL - AUGUST		$63,087.63	01-900-003-7301	E	SLUDGE REMOVAL EXPENSES	R	01/01/25	09/16/25		1837	N
		$66,637.63									
	Vendor Total:	**$66,637.63**									
GARDE005	GARDEN STATE LABS INC										
25000007	01/01/25 LAB SUPPLIES -BLANKET				B						
9 LAB SUPPLIES - JULY		$574.00	01-900-003-7102	E	REPAIRS & SUPPLIES - LAB	R	01/02/25	09/10/25		00594689	N
	Vendor Total:	**$574.00**									
GENSE005	GEN SERVE INC										

Long Branch Sewerage Authority
Bill List By Vendor Name

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Vendor # / P.O. # / Item Description	Name / PO Date / Description	Amount	Charge Account	Acct Type	Contract / Description	PO Type / Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
GENSE005	GEN SERVE INC				*Account Continued*						
25000069	01/02/25 2025 BLANKET					B					
9 SERVICE "B"		$1,545.00	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/10/25		0544019-IN	N
	Vendor Total:	**$1,545.00**									
GRAIN005	GRAINGER INC.										
25000010	01/01/25 VARIOUS SUPPLIES - BLANKET					B					
58 CANDELABRA SCREWS		$11.80	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/10/25		9602126535	N
59 PAD DRIVER 16" DIA		$175.79	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/10/25		9602571722	N
60 GRADUATED DIPPER		$83.51	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/10/25		9602919905	N
61 STRIPPING & BUFFING PAD		$51.71	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/10/25		9611484990	N
		$322.81									
	Vendor Total:	**$322.81**									
HOMED005	HOME DEPOT CREDIT SERVICES										
25000447	08/11/25 ASST PARTS										
1 ASST PARTS		$55.41	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	08/11/25	09/10/25		8020447	N
	Vendor Total:	**$55.41**									
INTER005	INTERNAL REVENUE SERVICE										
25000404	06/22/25 FEDERAL TAXES PERIOD END 7/5										
1 FEDERAL TAXES PERIOD END 7/5		$8,076.45	01-500-001-1820	G	FEDERAL WITHHOLDING PAYABLE	R	07/05/25	07/10/25			N
2 FICA EMPLOYEE		$5,297.13	01-500-001-1810	G	FICA PAYABLE-EMPLOYEE	R	07/05/25	07/10/25			N
3 FICA EMPLOYER		$5,297.13	01-900-001-8101	E	FRINGE BENEFITS-FICA	R	07/05/25	07/10/25			N
		$18,670.71									
	Vendor Total:	**$18,670.71**									
JENAR005	JENARIAH INDUSTRIAL AUTOMATION										
25000448	08/19/25 ON SITE SERVICE										
1 ON SITE SERVICE		$1,431.25	01-900-004-7101	E	REPAIRS AND SUPPLIES-PUMPING	R	08/19/25	09/10/25		JIA-2755	N
	Vendor Total:	**$1,431.25**									
JOHNG005	JOHN GUIRE SUPPLY LLC										
25000008	01/01/25 SUPPLIES/LIME - BLANKET					B					
20 YORK HOLLOW,4X8X16 SOLID BLC		$31.28	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/05/25		253684	N
21 SAKERTE HIGH STRENGTH MIX		$67.36	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/05/25		254018	N
22 SAKERTE HIGH STRENGTH MIX		$84.20	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/05/25		254041	N
		$182.84									

Long Branch Sewerage Authority
Bill List By Vendor Name

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Vendor # / P.O. # / Item Description	Name / PO Date	Description	Amount	Charge Account	Acct Type	Contract / Description	PO Type / Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
JOHNG005	JOHN GUIRE SUPPLY LLC					*Account Continued*						
	Vendor Total:		**$182.84**									
JOSHU005	JOSHUA PELCHER											
25000453	09/15/25	J.PELCHER LICENSE RENEWAL										
1 J.PELCHER LICENSE RENEWAL			$51.65	01-900-001-8603	E	EDUCATION,TRAVEL,ENTERTAINME	R	09/15/25	09/15/25			N
	Vendor Total:		**$51.65**									
LYONS005	LYONS ENVIRONMENTAL SERVICES											
25000006	01/01/25	ENTEROCCI ANALYSIS - BLANKET					B					
9 ENTEROCCI ANALYSIS - AUGUST			$360.00	01-900-003-7102	E	REPAIRS & SUPPLIES - LAB	R	01/02/25	09/05/25		LBSA0825	N
	Vendor Total:		**$360.00**									
MANNA005	MANNA & BONELLO PA											
25000075	01/02/25	LEGALS SERVICES - 2025 BLANKET					B					
9 LEGAL SERVICES- AUGUST			$1,575.00	01-900-001-8008	E	LEGAL	R	01/02/25	09/10/25		11411	N
	Vendor Total:		**$1,575.00**									
MARKW005	MARK WOSZCZAK MECH INC											
25000449	08/30/25	VARIOUS SEWER REPAIRS										
1 386 OCEAN BLVD. - MANHOLE			$5,374.95	01-600-001-1613	G	RESERVE - COLLECTION SYSTEM IM	R	09/15/25	09/15/25		10327	N
2 481 SECOND AVE			$4,861.47	01-600-001-1613	G	RESERVE - COLLECTION SYSTEM IM	R	09/15/25	09/15/25		10326	N
			$10,236.42									
	Vendor Total:		**$10,236.42**									
MARKS010	MARK'S LANDSCAPING LLC											
25000316	05/01/25	2025 LAWN BLANKET					B					
4 JULY/AUGUST LAWN SERVICES			$2,790.00	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	05/01/25	09/12/25		1336	N
	Vendor Total:		**$2,790.00**									
MAZZA005	MAZZA MULCH, INC.											
25000450	06/24/25	PALLETS OF MULCH										
1 PALLETS OF MULCH			$16.00	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	06/24/25	09/15/25		1543871	N
	Vendor Total:		**$16.00**									
NAPAA005	NAPA AUTO PARTS											
25000061	01/02/25	2025 BLANKET					B					
33 STARTING FLUID			$4.09	01-900-003-7401	E	AUTO,TRUCK-REPAIR/PARTS-DISP.	R	01/02/25	09/10/25		059156	N

Vendor # / P.O. # / Item Description	Name / PO Date / Description	Amount	Charge Account	Acct Type	Contract / Description	PO Type / Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
NAPAA005	NAPA AUTO PARTS				*Account Continued*						
34 OIL&AIR FILTER, OIL, GREASE		$138.11	01-900-003-7401	E	AUTO,TRUCK-REPAIR/PARTS-DISP.	R	01/02/25	09/10/25		060358	N
35 NAPA GOLD OIL FILTER		$6.98	01-900-003-7401	E	AUTO,TRUCK-REPAIR/PARTS-DISP.	R	01/02/25	09/10/25		060444	N
36 NAPA FULL SYNTHETIC MOTOR OI		$30.27	01-900-003-7401	E	AUTO,TRUCK-REPAIR/PARTS-DISP.	R	01/02/25	09/10/25		060435	N
37 FULL SYNTH. MOTOR OIL & FILTER		$41.64	01-900-003-7401	E	AUTO,TRUCK-REPAIR/PARTS-DISP.	R	01/02/25	09/10/25		060570	N
		$221.09									
	Vendor Total:	**$221.09**									
NJST0010	NJ STATE GROSS INCOME TAX										
25000403	06/22/25 STATE TAXES PERIOD END 7/5/25										
1 STATE TAXES PERIOD END 7/5/25		$3,300.08	01-500-001-1830	G	N.J. WITHHOLDING TAX PAYABLE	R	07/10/25	07/10/25			N
2 NJ SUI/SDI EMPLOYEE		$504.34	01-500-001-1840	G	SUI, SDI PAYABLE-EMPLOYEE	R	07/10/25	07/10/25			N
3 NJ SUI/SDI EMPLOYER		$168.83	01-900-001-8102	E	FRINGE BENEFITS-SUI & SDI	R	07/10/25	07/10/25			N
		$3,973.25									
	Vendor Total:	**$3,973.25**									
ONECA005	ONE CALL CONCEPTS INC.										
25000076	01/02/25 2025 BLANKET					B					
9 MARK OUTS - AUGUST		$400.90	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/05/25		5085399	N
	Vendor Total:	**$400.90**									
PENDE005	PENDERGAST SAFETY EQUIP										
25000380	07/25/25 REPAIR SENSOR										
1 REPAIR SENSOR		$665.18	01-900-003-7102	E	REPAIRS & SUPPLIES - LAB	R	07/25/25	09/10/25		8/27/25	N
2 FREIGHT		$34.50	01-900-003-7102	E	REPAIRS & SUPPLIES - LAB	R	07/25/25	09/10/25		322062	N
		$699.68									
	Vendor Total:	**$699.68**									
PETTY005	PETTY CASH										
25000460	09/16/25 PETTY CASH										
1 2025 EXPLORER OIL CHANGE		$53.43	01-900-001-7401	E	AUTO,TRUCK-REPAIRS,PARTS-ADMIR		09/16/25	09/16/25			N
2 LUNCH WITH BOARD MEMBERS		$67.41	01-900-001-7401	E	AUTO,TRUCK-REPAIRS,PARTS-ADMIR		09/16/25	09/16/25			N
3 2025 EXPLORER - WASH VEHICLE		$24.52	01-900-001-7401	E	AUTO,TRUCK-REPAIRS,PARTS-ADMIR		09/16/25	09/16/25			N
4 DONUTS BOARD MEETING		$8.99	01-900-001-7401	E	AUTO,TRUCK-REPAIRS,PARTS-ADMIR		09/16/25	09/16/25			N
		$154.35									
	Vendor Total:	**$154.35**									

Vendor # / P.O. # / Item Description	Name / PO Date / Description	Amount	Charge Account	Acct Type	Contract / Description	PO Type / Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
POLYD005	POLYDYNE INC.										
24000003	01/01/24	WET & DRY POLYMER - BLANKET				B					
* 17 CLRIFLOC NE-203		$3,703.00	01-900-003-7503	E	CHEMICALS-POLYMER	R	01/01/24	12/11/24		1880481	N
	Vendor Total:	**$3,703.00**									
RACHL005	RACHLES/MICHELE'S OIL COMPANY										
25000077	01/02/25	GAS/DIESEL BLANKET 2025				B					
33 UNLEADED FUEL - AUGUST		$120.23	01-900-002-7402	E	AUTO,TRUCK-GASOLINE-COLL.	R	01/02/25	09/10/25		436358	N
34 UNLEADED FUEL - AUGUST		$240.44	01-900-003-7402	E	AUTO,TRUCK-GASOLINE-DISP.	R	01/02/25	09/10/25		436358	N
35 UNLEADED FUEL - AUGUST		$120.23	01-900-001-7402	E	AUTO,TRUCK-GASOLINE-ADM.	R	01/02/25	09/10/25		436358	N
		$480.90									
	Vendor Total:	**$480.90**									
SAFEN005	SAFENET SOLUTIONS LLC										
25000078	01/02/25	COMPUTER MAINTENANCE BLANKET				B					
9 COMPUTER MAINTENANCE - AUGU:		$1,337.08	01-900-001-8401	E	COMPUTER MAINTENANCE	R	01/02/25	09/11/25		10144	N
	Vendor Total:	**$1,337.08**									
SEABO005	SEABOARD WELDING INC										
25000088	01/02/25	2025 BLANKET				B					
14 TANK RENTALS - AUGUST		$35.80	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/10/25		985766	N
	Vendor Total:	**$35.80**									
SIPER005	SIP'S PAINT & HARDWARE										
25000113	01/02/25	2025 BLANKET				B					
96 TOP SOIL		$3.75	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		53542/H	N
97 WET DRY VAC 10 GAL		$139.99	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/11/25		53545/H	N
98 LEVEL, SQUARE, BIT HOLDER, PEI		$41.89	01-900-002-7101	E	REPAIRS & SUPPLIES-COLLECTION	R	01/02/25	09/11/25		53614/H	N
99 TIE DOWN STRAPS		$8.64	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		53646/H	N
100 DRILL BIT,HOLE SAW, FASTENERS		$70.15	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		53688/H	N
101 ROPE TRUCK		$18.79	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		53690/H	N
102 AIR FILTERS		$23.97	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		53786/H	N
103 SCOUR PAD, BLEACH, CLEANER		$24.04	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		53817/H	N
		$331.22									
	Vendor Total:	**$331.22**									
SOUTH005	SOUTH CROSS CLEANING INC										

Long Branch Sewerage Authority
Bill List By Vendor Name

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Vendor # / P.O. # / Item Description	Name / PO Date	Description / Amount	Charge Account	Acct Type	Contract / Description	PO Type / Stat/Chk	First Enc Date	Rcvd Date	Chk/Void Date	Invoice	1099 Excl
SOUTH005	SOUTH CROSS CLEANING INC	*Account Continued*									
25000062	01/02/25	2025 OFFICE CLEANING BLANKET				B					
9 OFFICE CLEANING - AUGUST		$415.23	01-900-001-8300	E	OFFICE EXPENSES	R	01/02/25	09/05/25		10833	N
	Vendor Total:	**$415.23**									
STATE010	STATE OF NEW JERSEY										
25000435	08/28/25	COMBINED ASSESSMENT BILL									
1 COMBINED ASSESSMENT BILL		$214.61	01-900-001-8102	E	FRINGE BENEFITS-SUI & SDI	R	08/01/25	08/28/25			N
	Vendor Total:	**$214.61**									
THOMA030	THOMAS MACGOWAN										
25000452	09/15/25	T.MACGOWAN-OFFICE OF WATER PRO									
1 T.MACGOWAN-OFFICE OF WATER		$75.00	01-900-001-8603	E	EDUCATION,TRAVEL,ENTERTAINME	R	09/15/25	09/15/25			N
	Vendor Total:	**$75.00**									
ULINE005	ULINE										
25000016	01/01/25					B					
10 TUFF WIPES, GLOVES		$494.98	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/05/25		$494.95	N
11 MARKING PAINT, STAKE FLAGS		$215.73	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/05/25		$215.73	N
		$710.71									
	Vendor Total:	**$710.71**									
UNIFI005	UNIFIRST CORPORATION										
25000091	01/02/25	2025 BLANKET-UNIFORM RENTALS				B					
32 UNIFORM RENTALS - AUGUST		$168.33	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		1260781821	N
33 UNIFORM RENTALS - AUGUST		$269.02	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		1260785771	N
34 UNIFORM RENTALS - AUGUST		$209.72	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		1260789034	N
35 UNIFORM RENTALS - AUGUST		$209.72	01-900-003-7101	E	REPAIRS AND SUPPLIES-DISPOSAL	R	01/02/25	09/11/25		1260792651	N
		$856.79									
	Vendor Total:	**$856.79**									
UNIVA005	UNIVAR SOLUTIONS										
25000004	01/01/25	ALUMINUM HYDROXIDE - BLANKET				B					
11 ALUMINUM HYDROXIDE - AUGUST		$2,545.62	01-900-003-7507	E	CHEMICAL-ALUMINUM HYDROXIDE	R	01/02/25	09/15/25		53220556	N
12 ALUMINUM HYDROXIDE - AUGUST		$2,545.62	01-900-003-7507	E	CHEMICAL-ALUMINUM HYDROXIDE	R	01/02/25	09/15/25		53278494	N
		$5,091.24									
	Vendor Total:	**$5,091.24**									

Long Branch Sewerage Authority
Bill List By Vendor Name

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Vendor # / *P.O. #* / *Item Description*	*Name* / *PO Date*	*Description* / *Amount*	*Charge Account*	*Acct Type*	*Contract* / *Description*	*PO Type* / *Stat/Chk*	*First Enc Date*	*Rcvd Date*	*Chk/Void Date*	*Invoice*	*1099 Excl*
WBMAS005	W.B.MASON CO.INC.										
25000102	01/02/25	2025 BLANKET				B					
33 WATER, TISSUES		$135.75	01-900-001-8300	E	OFFICE EXPENSES	R	01/02/25	09/15/25		256015416	N
34 COFFEE, WATER		$101.75	01-900-001-8300	E	OFFICE EXPENSES	R	01/02/25	09/15/25		256328659	N
35 BATTERIES, PADS, RUBBERBANDS		$53.77	01-900-001-8300	E	OFFICE EXPENSES	R	01/02/25	09/15/25		256330903	N
36 COFFEE CUPS, LYSOL		$146.58	01-900-001-8300	E	OFFICE EXPENSES	R	01/02/25	09/15/25		253476787	N
		$437.85									
	Vendor Total:	**$437.85**									

Total Purchase Orders: 40 Total P.O. Line Items: 83 Total List Amount: $146,138.30 Total Void Amount: $0.00

Long Branch Sewerage Authority
Bill List By Vendor Name

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Totals by Year-Fund

Fund Description	Fund	Expend Rcvd	Expend Held	Expend Total	Revenue Total	G/L Total	Tota
	5-01	$118,723.88	$0.00	$118,723.88	$0.00	$27,414.42	$146,138.3(
Total Of All Funds:		$118,723.88	$0.00	$118,723.88	$0.00	$27,414.42	$146,138.3(

Totals by Fund

Fund Description	Fund	Expend Rcvd	Expend Held	Expend Total	Revenue Total	G/L Total	Tota
	01	$118,723.88	$0.00	$118,723.88	$0.00	$27,414.42	$146,138.3(
Total Of All Funds:		$118,723.88	$0.00	$118,723.88	$0.00	$27,414.42	$146,138.3(

Long Branch Sewerage Authority
Breakdown of Expenditure Account Current/Prior Received/Prior Open

Fund Description	Fund	Current	Prior Rcvd	Prior Open	Paid Prior	Fund Total
	5-01	$115,020.88	$3,703.00	$0.00	$0.00	$118,723.88
	Total Of All Funds:	$115,020.88	$3,703.00	$0.00	$0.00	$118,723.88

Range of Checking Accts: First to Last Range of Check Dates: 08/21/25 to 09/16/25
Report Type: All Checks Report Format: Detail Check Type: Computer: Y Manual: Y Dir Deposit: Y

Check #	Check Date	Vendor	PO #	Item	Description	Amount Paid	Charge Account	Account Type	Reconciled/Void	Ref Num Contract	Ref Seq	Acct
DEV ESCROW		DEVELOPER'S ESCROW										
4324	08/27/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2080
			25000425	1	REVIEW	425.00	LBS-0004 117 CONOVER PLACE	Project			1	1
4325	08/27/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2081
			25000426	1	DEVELOPMENT CONSTRUCTION	42.50	LBS-316 84 COOPER AVE	Project			1	1
4326	08/27/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2082
			25000427	1	CONSTRUCTION OBSERVATION/ADMIN	345.00	LBS0336 665 SECOND AVE	Project			1	1
4327	08/27/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2083
			25000428	1	CONSTRUCTION SERVICES	937.50	117-25 215 BRIGHTON AVE	Project			1	1
4328	08/28/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2084
			25000429	1	CONSTRUCTION SERVICES	85.00	LBS0344 370-382 CEDAR AVE	Project			1	1
4329	08/28/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2085
			25000430	1	APPLICATION REVIEW	205.00	LBS0349 19 SEVENTH AVENUE	Project			1	1
4330	08/28/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2086
			25000431	1	APPLICATION REVIEW	1,062.50	LBS0353 305 BROADWAY	Project			1	1
4331	08/28/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2087
			25000432	1	APPLICATION REVIEW	1,262.50	LBS0354 36 MORRIS AVE	Project			1	1
4332	08/28/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2088
			25000433	1	APPLICATION REVIEW	737.50	LBS0356 648 SECOND AVENUE	Project			1	1
4333	09/03/25	COLLI005 COLLIERS ENGINEERING & DESIGN										2090
			25000444	1	REIMBURSMENT EXPENSES	1,837.00	LBS-289 180 MORRIS AVE	Project			1	1
			25000444	2	CONSTRUCTION SERVICES	520.00	LBS-289 180 MORRIS AVE	Project			2	1
			25000444	3	CONSTRUCTION SERVICES	47.50	LBS-289 180 MORRIS AVE	Project			3	1
						2,404.50						
4334	09/05/25	MARKW005 MARK WOSZCZAK MECH INC										2091
			25000445	1	CONSTRUCTION COSTS	6,715.00	169-23 642 GERARD AVE	Project			1	1

Check #	Check Date	Vendor	PO #	Item	Description	Amount Paid	Charge Account	Account Type	Reconciled/Void	Ref Num	Contract	Ref Seq	Acct
DEV ESCROW		DEVELOPER'S ESCROW			Continued								
Checking Account Totals						Paid	Void	Amount Paid	Amount Void				
					Checks:	11	0	14,222.00	0.00				
					Direct Deposit:	0	0	0.00	0.00				
					Total:	11	0	14,222.00	0.00				
EFT CHECKING		EFT ACCOUNT											
264	09/16/25	NJSH0010 NJSHBP								2092			
			25000018	18	ACTIVE EMPLOYEES HEALTH INS.	41,939.55	01-900-001-8104 FRINGE BENEFITS-HEALTH PLAN	Expenditure				1	1
			25000018	19	RETIRED EMPLOYEES HEALTH INS.	20,086.12	01-900-001-8104 FRINGE BENEFITS-HEALTH PLAN	Expenditure				2	1
						62,025.67							
Checking Account Totals						Paid	Void	Amount Paid	Amount Void				
					Checks:	1	0	62,025.67	0.00				
					Direct Deposit:	0	0	0.00	0.00				
					Total:	1	0	62,025.67	0.00				
OPERATIONS		Operating Account											
18224	08/21/25	TREAS005 TREASURER-STATE OF N.J.								2077			
			25000423	1	LICENSE RENEWAL - T.ROGUSKI	50.00	01-900-003-7101 REPAIRS AND SUPPLIES-DISPOSAL	Expenditure				1	1
18225	08/21/25	SIPER005 SIP'S PAINT & HARDWARE								2079			
			25000113	95	JIGSAW AND BLADES	304.77	01-900-003-7101 REPAIRS AND SUPPLIES-DISPOSAL	Expenditure				1	1
18226	08/28/25	AMBER005 AMBER BURKE								2089			
			25000439	1	A.BURKE BOOT RIEMBURSEMENT	164.95	01-900-003-7101 REPAIRS AND SUPPLIES-DISPOSAL	Expenditure				32	1
18227	08/28/25	COMCA005 COMCAST								2089			
			25000021	17	PHONE & INTERNET - AUGUST	299.52	01-900-001-7901 TELEPHONE-OFFICE	Expenditure				4	1
			25000021	18	PHONE & INTERNET - AUGUST	299.52	01-900-003-7901 TELEPHONE-DISPOSAL	Expenditure				5	1
						599.04							
18228	08/28/25	DELTA005 DELTA DENTAL OF NEW JERSEY,INC								2089			
			25000026	10	DENTAL INSURANCE	1,338.51	01-900-001-8105 FRINGE BENEFITS-DENTAL PLAN	Expenditure				28	1
18229	08/28/25	EZPAS010 EZ PASS								2089			
			25000029	10	EZ PASS	281.42	01-900-001-7405 AUTO,TRUCK-MISC.-ADM.	Expenditure				29	1
18230	08/28/25	FPMAI010 FP MAILING SOLUTIONS								2089			
			25000442	1	POSTAGE METER	98.85	01-900-001-8300 OFFICE EXPENSES	Expenditure				36	1

Check #	Check Date	Vendor	PO #	Item	Description	Amount Paid	Charge Account	Account Type	Reconciled/Void	Ref Num	Contract	Ref Seq	Acct
OPERATIONS		Operating Account			Continued								
18231	08/28/25	JCPLC005 J.C.P.& L CO.								2089			
			25000022	54	EXCHANGE PL. PS	96.55	01-900-004-7701 ELECTRIC-PUMP STATIONS	Expenditure				6	1
			25000022	55	MONMOUTH PL PS	61.72	01-900-004-7701 ELECTRIC-PUMP STATIONS	Expenditure				7	1
			25000022	56	HOEY & OVERLOOK AVE PS	1,555.50	01-900-004-7701 ELECTRIC-PUMP STATIONS	Expenditure				8	1
			25000022	57	LINCOLN AVE PS	319.11	01-900-004-7701 ELECTRIC-PUMP STATIONS	Expenditure				9	1
			25000022	58	MCCLELLAN ST. PS	44.14	01-900-004-7701 ELECTRIC-PUMP STATIONS	Expenditure				10	1
			25000022	59	JOLINE AVE PS	993.97	01-900-004-7701 ELECTRIC-PUMP STATIONS	Expenditure				11	1
						3,070.99							
18232	08/28/25	LBSEW005 L.B.SEWERAGE AUTH.PAYROLL								2089			
			25000441	1	PAYPERIOD END 8/16 D.D.	40,184.84	01-000-001-1021 P/R CK'G #100024660-CJB	G/L				33	1
			25000441	2	EMPLOYEE GARNISHMENT	15.14	01-000-001-1021 P/R CK'G #100024660-CJB	G/L				34	1
			25000441	3	TAXES	19,801.74	01-000-001-1021 P/R CK'G #100024660-CJB	G/L				35	1
						60,001.72							
18233	08/28/25	NEWJE005 NEW JERSEY AMERICAN WATER								2089			
			25000023	51	150 JOLINE AVE	585.12	01-900-003-7801 WATER - PLANT - JOLINE AVENUE	Expenditure				12	1
			25000023	52	150 JOLINE AVE	335.31	01-900-003-7801 WATER - PLANT - JOLINE AVENUE	Expenditure				13	1
			25000023	53	SEAVIEW AVE MUNGARAGE	294.10	01-900-003-7801 WATER - PLANT - JOLINE AVENUE	Expenditure				14	1
			25000023	54	LINCOLN GARDENS PS	23.86	01-900-004-7802 WATER- PUMP STATIONS	Expenditure				15	1
			25000023	55	OCEAN AVE PS	23.86	01-900-004-7802 WATER- PUMP STATIONS	Expenditure				16	1
			25000023	56	OVERLOOK AVE PS	23.86	01-900-004-7802 WATER- PUMP STATIONS	Expenditure				17	1
			25000023	57	WILLOW AVE PS	59.64	01-900-004-7802 WATER- PUMP STATIONS	Expenditure				18	1
						1,345.75							
18234	08/28/25	NJNAT005 NJ NATURAL GAS CO.								2089			
			25000024	57	150 JOLINE AVE	1,847.68	01-900-003-7602 HEAT-GAS	Expenditure				19	1
			25000024	58	UTILITY BUILDING	577.43	01-900-003-7602 HEAT-GAS	Expenditure				20	1
			25000024	59	150 JOLINE AVE	63.00	01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	Expenditure				21	1
			25000024	60	HOEY & OVERLOOK AVE PS	67.00	01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	Expenditure				22	1
			25000024	61	LINCOLN AVE PS	60.32	01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	Expenditure				23	1

Check # / Check Date / Vendor / PO # / Item	Description	Amount Paid	Charge Account	Account Type	Reconciled/Void / Contract	Ref Num Ref	Seq	Acct
OPERATIONS	Operating Account	Continued						
18234 NJ NATURAL GAS CO.	Continued							
25000024 62	MCCLELLAN ST PS	55.00	01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	Expenditure		24		1
25000024 63	MONMOUTH PL PS	58.55	01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	Expenditure		25		1
25000024 64	WILLOW AVE PS	114.02	01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	Expenditure		26		1
		2,843.00						
18235 08/28/25	THEST005 THE STANDARD					2089		
25000019 10	LIFE INSURANCE - SEPT	561.26	01-900-001-8107 FRINGE BENEFITS-OTHER	Expenditure		1		1
18236 08/28/25	THOMA030 THOMAS MACGOWAN					2089		
25000436 1	T.MACGOWAN LICENSE REIMBURSE	51.65	01-900-003-7101 REPAIRS AND SUPPLIES-DISPOSAL	Expenditure		30		1
18237 08/28/25	TREAS005 TREASURER-STATE OF N.J.					2089		
25000438 1	LICENSE RENEWAL - T.DANIELS	50.00	01-900-002-7101 REPAIRS & SUPPLIES-COLLECTION	Expenditure		31		1
18238 08/28/25	VERIZ005 VERIZON WIRELESS					2089		
25000020 17	TELEPHONE - SEPT.	148.10	01-900-001-7901 TELEPHONE-OFFICE	Expenditure		2		1
25000020 18	TELEPHONE - SEPT.	148.11	01-900-003-7901 TELEPHONE-DISPOSAL	Expenditure		3		1
		296.21						
18239 08/28/25	VERIZ010 VERIZON					2089		
25000025 9	FIOS INTERNET - AUGUST	109.00	01-900-001-7901 TELEPHONE-OFFICE	Expenditure		27		1

Checking Account Totals	Paid	Void	Amount Paid	Amount Void
Checks:	16	0	71,167.12	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	16	0	71,167.12	0.00

PAYROLL	PAYROLL CHECKING							
708 08/21/25	INTER005 INTERNAL REVENUE SERVICE					2093		
25000455 1	FEDERAL TAXES PERIOD END 8/16	6,850.53	01-500-001-1820 FEDERAL WITHHOLDING PAYABLE	G/L		1		1
25000455 2	FICA EMPLOYEE	4,820.89	01-500-001-1810 FICA PAYABLE-EMPLOYEE	G/L		2		1
25000455 3	FICA EMPLOYER	4,820.87	01-900-001-8101 FRINGE BENEFITS-FICA	Expenditure		3		1
		16,492.29						
709 08/21/25	NJST0010 NJ STATE GROSS INCOME TAX					2093		
25000456 4	STATE TAXES PERIOD END 8/16	2,871.11	01-500-001-1830 N.J. WITHHOLDING TAX PAYABLE	G/L		4		1
25000456 5	NJ SUI/SDI EMPLOYEE	402.12	01-500-001-1840 SUI, SDI PAYABLE-EMPLOYEE	G/L		5		1

Check #	Check Date	Vendor	PO #	Item	Description	Amount Paid	Charge Account	Account Type	Reconciled/Void	Ref Num	Contract	Ref Seq	Acct
PAYROLL		PAYROLL CHECKING			Continued								
		709 NJ STATE GROSS INCOME TAX			Continued								
25000456				6	NJ SUI/SDI EMPLOYER	36.22	01-900-001-8102 FRINGE BENEFITS-SUI & SDI	Expenditure				6	1
						3,309.45							
710	09/04/25	INTER005 INTERNAL REVENUE SERVICE								2094			
25000457				1	FEDERAL TAXES PERIOD END 8/30	6,868.32	01-500-001-1820 FEDERAL WITHHOLDING PAYABLE	G/L				1	1
25000457				2	FICA EMPLOYEE	4,858.39	01-500-001-1810 FICA PAYABLE-EMPLOYEE	G/L				2	1
25000457				3	FICA EMPLOYER	4,858.47	01-900-001-8101 FRINGE BENEFITS-FICA	Expenditure				3	1
25000457				4	FEDERAL UNEMPLOYMENT	6.25	01-900-001-8102 FRINGE BENEFITS-SUI & SDI	Expenditure				4	1
						16,591.43							
711	09/04/25	NJST0010 NJ STATE GROSS INCOME TAX								2094			
25000458				1	STATE TAXES PERIOD END 8/30	2,906.56	01-500-001-1830 N.J. WITHHOLDING TAX PAYABLE	G/L				5	1
25000458				2	NJ SUI/SDI EMPLOYEE	412.18	01-500-001-1840 SUI, SDI PAYABLE-EMPLOYEE	G/L				6	1
25000458				3	NJ SUI/SDI EMPLOYER	50.72	01-900-001-8102 FRINGE BENEFITS-SUI & SDI	Expenditure				7	1
						3,369.46							

Checking Account Totals	Paid	Void	Amount Paid	Amount Void
Checks:	4	0	39,762.63	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	4	0	39,762.63	0.00

Report Totals	Paid	Void	Amount Paid	Amount Void
Checks:	32	0	187,177.42	0.00
Direct Deposit:	0	0	0.00	0.00
Total:	32	0	187,177.42	0.00

Totals by Year-Fund Fund Description	Fund	Expend Total	Revenue Total	G/L Total	Total
	5-01	82,963.60	0.00	89,991.82	172,955.42
Total Of All Funds:		82,963.60	0.00	89,991.82	172,955.42

Totals by Fund Fund Description	Fund	Expend Total	Revenue Total	G/L Total	Total
	01	82,963.60	0.00	89,991.82	172,955.42
Total Of All Funds:		82,963.60	0.00	89,991.82	172,955.42

Fund Description	Fund	Current	Prior Rcvd	Prior Open	Paid Prior	Fund Total
	5-01	82,963.60	0.00	0.00	0.00	82,963.60
Total Of All Funds:		82,963.60	0.00	0.00	0.00	82,963.60

Project Description	Project No.	Project Total
215 BRIGHTON AVE	117-25	937.50
642 GERARD AVE	169-23	6,715.00
117 CONOVER PLACE	LBS-0004	425.00
180 MORRIS AVE	LBS-289	2,404.50
84 COOPER AVE	LBS-316	42.50
665 SECOND AVE	LBS0336	345.00
370-382 CEDAR AVE	LBS0344	85.00
19 SEVENTH AVENUE	LBS0349	205.00
305 BROADWAY	LBS0353	1,062.50
36 MORRIS AVE	LBS0354	1,262.50
648 SECOND AVENUE	LBS0356	737.50
Total Of All Projects:		14,222.00

Range of Accounts: 01-900-001-0000 to 01-900-005-9013 Include Cap Accounts: Yes As Of: 09/17/25
Current Period: 08/21/25 to 09/17/25 Skip Zero Activity: Yes
Audit Report Type: Standard
Note: Transaction Beginning Balance includes all Adds/Changes occurring on or prior to the As of Date
* Transaction is included in Previous and/or Begin Balance ** Transaction is not included in Balance
En = PO Line Item First Encumbrance Date BC = Blanket Control BS = Blanket Sub

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used	Trans Amount	Trans Balance	User
Date Transaction Data/Comment			Vendor/Reference							
01-900-001-0000 ADMINISTRATION										
01-900-001-5002 OFFICE SALARIES										
	0.00	517,724.84	0.00	0.00	517,724.84	156,306.65	70			
	0.00	361,418.19	0.00	0.00	0.00	156,306.65				
		39,944.20		0.00	361,418.19					
Begin Balance: 08/21/25									196,250.85	
08/21/25 Expenditure			Reference	3113 1				19,972.10-	176,278.75	MARION
09/04/25 Expenditure			Reference	3114 1				19,972.10-	156,306.65	MARION
01-900-001-5003 OFFICERS' COMPENSATION										
	0.00	12,500.00	0.00	0.00	12,500.00	3,125.15	75			
	0.00	9,374.85	0.00	0.00	0.00	3,125.15				
		1,041.65		0.00	9,374.85					
Begin Balance: 08/21/25									4,166.80	
09/04/25 Expenditure			Reference	3114 2				1,041.65-	3,125.15	MARION
01-900-001-6500 DEBT SERVICE EXPENSE-PRINCIPAL										
	0.00	1,350,135.00	0.00	0.00	1,350,135.00	303,565.77	78			
	0.00	1,046,569.23	0.00	0.00	0.00	303,565.77				
		0.00		0.00	1,046,569.23					
01-900-001-6510 DEBT SERVICE EXPENSE-INTEREST										
	0.00	445,285.00	0.00	0.00	445,285.00	232,243.00	48			
	0.00	213,042.00	0.00	0.00	0.00	232,243.00				
		0.00		0.00	213,042.00					
01-900-001-7401 AUTO,TRUCK-REPAIRS,PARTS-ADMIN										
	0.00	6,500.00	0.00	0.00	6,500.00	4,255.08	35			
	0.00	2,144.92	100.00	0.00	0.00	4,355.08				
		154.35		0.00	2,244.92					
Begin Balance: 08/21/25									4,409.43	

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD %Used / Unexpended	Date	Transaction Data/Comment	Vendor/Reference	Trans Amount	Trans Balance	User
01-900-001-7401 AUTO,TRUCK-REPAIRS,PARTS-ADMIN Continued												
							09/17/25 PO 25000460 1	Paid Ck 18266	2025 EXPLORER OIL CHANGE / PETTY005 PETTY CASH	En 09/16/25	53.43-	4,356.00 MARION
							09/17/25 PO 25000460 2	Paid Ck 18266	LUNCH WITH BOARD MEMBERS / PETTY005 PETTY CASH	En 09/16/25	67.41-	4,288.59 MARION
							09/17/25 PO 25000460 3	Paid Ck 18266	2025 EXPLORER - WASH VEHICLE / PETTY005 PETTY CASH	En 09/16/25	24.52-	4,264.07 MARION
							09/17/25 PO 25000460 4	Paid Ck 18266	DONUTS BOARD MEETING / PETTY005 PETTY CASH	En 09/16/25	8.99-	4,255.08 MARION
01-900-001-7402 AUTO,TRUCK-GASOLINE-ADM.												
	0.00	0.00	0.00	0.00	0.00	5,000.00- 0						
	0.00	2,716.64	2,283.36	0.00	0.00	2,716.64-						
		120.23		0.00	5,000.00							
Begin Balance: 08/21/25											5,000.00-	
							09/17/25 PO 25000077 35	Paid Ck 18268	UNLEADED FUEL - AUGUST / RACHL005 RACHLES/MICHELE'S OIL COMPANY	En 01/02/25 BS	120.23-*	5,000.00- MARION
01-900-001-7405 AUTO,TRUCK-MISC.-ADM.												
	0.00	0.00	0.00	0.00	0.00	3,600.00- 0						
	0.00	2,491.42	1,108.58	0.00	0.00	2,491.42-						
		281.42		0.00	3,600.00							
Begin Balance: 08/21/25											3,600.00-	
							08/28/25 PO 25000029 10	Paid Ck 18229	EZ PASS / EZPAS010 EZ PASS	En 01/03/25 BS	281.42-*	3,600.00- MARION
01-900-001-7901 TELEPHONE-OFFICE												
	0.00	6,000.00	0.00	0.00	6,000.00	605.00- 110						
	0.00	4,321.49	2,283.51	0.00	0.00	1,678.51						
		556.62		0.00	6,605.00							
Begin Balance: 08/21/25											605.00-	
							08/28/25 PO 25000020 17	Paid Ck 18238	TELEPHONE - SEPT. / VERIZ005 VERIZON WIRELESS	En 01/03/25 BS	148.10-*	605.00- MARION
							08/28/25 PO 25000021 17	Paid Ck 18227	PHONE & INTERNET - AUGUST / COMCA005 COMCAST	En 01/13/25 BS	299.52-*	605.00- MARION
							08/28/25 PO 25000025 9	Paid Ck 18239	FIOS INTERNET - AUGUST / VERIZ010 VERIZON	En 01/06/25 BS	109.00-*	605.00- MARION
01-900-001-8001 TRUSTEE FEES												
	0.00	25,000.00	0.00	0.00	25,000.00	11,391.90 54						
	0.00	13,608.10	0.00	0.00	0.00	11,391.90						
		0.00		0.00	13,608.10							

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-001-8002 ENGINEERING	0.00	54,500.00	0.00	0.00	54,500.00	4,865.43	91
	0.00	49,634.57	0.00	0.00	0.00	4,865.43	
		3,831.01		0.00	49,634.57		

Date	Transaction Data/Comment	Vendor/Reference	Trans Amount	Trans Balance	User
Begin Balance: 08/21/25				4,865.43	
09/17/25 PO 25000434	1 Paid Ck 18246 ENGINEERING - AUGUST	COLLI005 COLLIERS ENGINEERING & DESIGN En 08/01/25	627.60-*	4,865.43	MARION
09/17/25 PO 25000434	2 Paid Ck 18246 MONTHLY HOSTING FEE	COLLI005 COLLIERS ENGINEERING & DESIGN En 08/01/25	500.00-*	4,865.43	MARION
09/17/25 PO 25000434	3 Paid Ck 18246 HOEY PUMP STATION - NJFIB	COLLI005 COLLIERS ENGINEERING & DESIGN En 08/01/25	2,703.41-*	4,865.43	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-001-8008 LEGAL	0.00	50,000.00	0.00	0.00	50,000.00	20,000.00	60
	0.00	13,178.97	16,821.03	0.00	0.00	36,821.03	
		1,575.00		0.00	30,000.00		

Date	Transaction Data/Comment	Vendor/Reference	Trans Amount	Trans Balance	User
Begin Balance: 08/21/25				20,000.00	
09/17/25 PO 25000075	9 Paid Ck 18259 LEGAL SERVICES- AUGUST	MANNA005 MANNA & BONELLO PA En 01/02/25 BS	1,575.00-*	20,000.00	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-001-8009 LEGAL-OTHER	0.00	0.00	0.00	0.00	0.00	5,200.00-	0
	0.00	5,200.00	0.00	0.00	0.00	5,200.00-	
		0.00		0.00	5,200.00		
01-900-001-8010 LEGAL-LABOR RELATIONS	0.00	0.00	0.00	0.00	0.00	1,155.00-	0
	0.00	1,155.00	0.00	0.00	0.00	1,155.00-	
		0.00		0.00	1,155.00		
01-900-001-8012 ACCOUNTING	0.00	37,500.00	0.00	0.00	37,500.00	37,500.00	0
	0.00	0.00	0.00	0.00	0.00	37,500.00	
		0.00		0.00	0.00		
01-900-001-8013 PROFESSIONAL-OTHER	0.00	6,500.00	0.00	0.00	6,500.00	6,500.00	0
	0.00	0.00	0.00	0.00	0.00	6,500.00	
		0.00		0.00	0.00		
01-900-001-8101 FRINGE BENEFITS-FICA	0.00	159,308.86	0.00	0.00	159,308.86	62,340.47	61
	5,297.13	96,968.39	0.00	0.00	0.00	62,340.47	
		9,679.34		0.00	96,968.39		

Account No / Description / Prior Budget / Adopted / Amended / Transfers / Modified / Balance YTD %Used											
			Payable YTD	Expended YTD	Encumber YTD	Reimbrsd YTD	Canceled	Unexpended			
				Expended Curr		Reimbrsd Curr	Pd/Chrgd YTD				
Date	Transaction Data/Comment				Vendor/Reference				Trans Amount	Trans Balance	User
01-900-001-8101	FRINGE BENEFITS-FICA				Continued						
Begin Balance: 08/21/25										72,019.81	
08/21/25 PO 25000455	3 Paid Ck	708	FICA EMPLOYER		INTER005	INTERNAL REVENUE SERVICE		En 08/21/25	4,820.87-	67,198.94	MARION
09/04/25 PO 25000457	3 Paid Ck	710	FICA EMPLOYER		INTER005	INTERNAL REVENUE SERVICE		En 09/04/25	4,858.47-	62,340.47	MARION
01-900-001-8102	FRINGE BENEFITS-SUI & SDI										
			0.00	16,000.00	0.00	0.00	16,000.00	7,571.99	53		
			383.44	8,428.01	0.00	0.00	0.00	7,571.99			
				307.80		0.00	8,428.01				
Begin Balance: 08/21/25										7,665.18	
08/21/25 PO 25000456	6 Paid Ck	709	NJ SUI/SDI EMPLOYER		NJST0010	NJ STATE GROSS INCOME TAX		En 08/21/25	36.22-	7,628.96	MARION
09/04/25 PO 25000457	4 Paid Ck	710	FEDERAL UNEMPLOYMENT		INTER005	INTERNAL REVENUE SERVICE		En 09/04/25	6.25-	7,622.71	MARION
09/04/25 PO 25000458	3 Paid Ck	711	NJ SUI/SDI EMPLOYER		NJST0010	NJ STATE GROSS INCOME TAX		En 09/04/25	50.72-	7,571.99	MARION
09/15/25 PO 25000456	3 Deleted		SUI/SDI EMPLOYER		NJST0010	NJ STATE GROSS INCOME TAX		En 09/15/25	36.22 **	7,571.99	MARION
01-900-001-8103	FRINGE BENEFITS-PERS-PENSION										
			0.00	323,239.03	0.00	0.00	323,239.03	32,781.03	90		
			0.00	290,458.00	0.00	0.00	0.00	32,781.03			
				0.00		0.00	290,458.00				
01-900-001-8104	FRINGE BENEFITS-HEALTH PLAN										
			0.00	1,083,064.58	0.00	0.00	1,083,064.58	312,304.47	71		
			0.00	543,593.90	227,166.21	0.00	0.00	539,470.68			
				50,842.79		0.00	770,760.11				
Begin Balance: 08/21/25										301,121.59	
08/21/25 Expenditure					Reference	3113	5			5,559.21	306,680.80	MARION
09/04/25 Expenditure					Reference	3114	6			5,623.67	312,304.47	MARION
09/16/25 PO 25000018	18 Paid Ck	264	ACTIVE EMPLOYEES HEALTH INS.		NJSH0010	NJSHBP		En 01/13/25	BS	41,939.55-*	312,304.47	MARION
09/16/25 PO 25000018	19 Paid Ck	264	RETIRED EMPLOYEES HEALTH INS.		NJSH0010	NJSHBP		En 01/13/25	BS	20,086.12-*	312,304.47	MARION
01-900-001-8105	FRINGE BENEFITS-DENTAL PLAN										
			0.00	0.00	0.00	0.00	0.00	19,200.00-	0		
			0.00	14,058.06	5,141.94	0.00	0.00	14,058.06-			
				1,338.51		0.00	19,200.00				
Begin Balance: 08/21/25										19,200.00-	
08/28/25 PO 25000026	10 Paid Ck	18228	DENTAL INSURANCE		DELTA005	DELTA DENTAL OF NEW JERSEY,INC		En 01/14/25	BS	1,338.51-*	19,200.00-	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD %Used / Unexpended			
Date Transaction Data/Comment				Vendor/Reference				Trans Amount	Trans Balance User
01-900-001-8107 FRINGE BENEFITS-OTHER									
	0.00	1,500.00	0.00	0.00	1,500.00	6,312.94	321-		
	0.00	6,761.60-	1,948.66	0.00	0.00	8,261.60			
		598.76		0.00	4,812.94-				
Begin Balance: 08/21/25									6,350.44
08/21/25 Expenditure	MEAL ALLOWANCE 8/21			Reference 3113 4				12.50-	6,337.94 MARION
08/28/25 PO 25000019 10 Paid Ck 18235	LIFE INSURANCE - SEPT			THEST005 THE STANDARD			En 01/13/25 BS	561.26-*	6,337.94 MARION
09/04/25 Expenditure	MEAL ALLOWANCE 9/4			Reference 3114 5				25.00-	6,312.94 MARION
01-900-001-8201 PROVISIONS FOR FUTURE BENEFITS									
	0.00	15,750.00	0.00	0.00	15,750.00	15,750.00	0		
	0.00	0.00	0.00	0.00	0.00	15,750.00			
		0.00		0.00	0.00				
01-900-001-8300 OFFICE EXPENSES									
	0.00	70,000.00	0.00	0.00	70,000.00	20,946.59	70		
	0.00	34,196.57	14,856.84	0.00	0.00	35,803.43			
		1,035.41		0.00	49,053.41				
Begin Balance: 08/21/25									21,048.92
08/28/25 PO 25000442 1 Paid Ck 18230	POSTAGE METER			FPMAI010 FP MAILING SOLUTIONS			En 08/28/25	98.85-	20,950.07 MARION
09/17/25 PO 25000058 9 Paid Ck 18245	PEST CONTROL - AUGUST			CHESA005 CHESAPEAKE EXTERMINATING			En 01/02/25 BS	80.00-*	20,950.07 MARION
09/17/25 PO 25000062 9 Paid Ck 18272	OFFICE CLEANING - AUGUST			SOUTH005 SOUTH CROSS CLEANING INC			En 01/02/25 BS	415.23-*	20,950.07 MARION
09/17/25 PO 25000102 33 Paid Ck 18277	WATER, TISSUES			WBMAS005 W.B.MASON CO.INC.			En 01/02/25 BS	135.75-*	20,950.07 MARION
09/17/25 PO 25000102 34 Paid Ck 18277	COFFEE, WATER			WBMAS005 W.B.MASON CO.INC.			En 01/02/25 BS	101.75-*	20,950.07 MARION
09/17/25 PO 25000102 35 Paid Ck 18277	BATTERIES, PADS, RUBBERBANDS			WBMAS005 W.B.MASON CO.INC.			En 01/02/25 BS	53.77-*	20,950.07 MARION
09/17/25 PO 25000102 36 Paid Ck 18277	COFFEE CUPS, LYSOL			WBMAS005 W.B.MASON CO.INC.			En 01/02/25 BS	146.58-*	20,950.07 MARION
09/17/25 PO 25000451 1 Paid Ck 18248	POSTAGE			FEDER005 FEDERAL EXPRESS CORP.			En 09/15/25	3.48-	20,946.59 MARION
01-900-001-8401 COMPUTER MAINTENANCE									
	0.00	0.00	0.00	0.00	0.00	16,300.00-	0		
	0.00	15,347.58	952.42	0.00	0.00	15,347.58-			
		1,337.08		0.00	16,300.00				
Begin Balance: 08/21/25									16,300.00-
09/17/25 PO 25000078 9 Paid Ck 18269	COMPUTER MAINTENANCE - AUGUST			SAFEN005 SAFENET SOLUTIONS LLC			En 01/02/25 BS	1,337.08-*	16,300.00- MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD %Used / Unexpended			
01-900-001-8500 INSURANCE									
	0.00	330,611.03	0.00	0.00	330,611.03	41,397.03	87		
	0.00	289,214.00	0.00	0.00	0.00	41,397.03			
		0.00		0.00	289,214.00				
01-900-001-8603 EDUCATION,TRAVEL,ENTERTAINMENT									
	0.00	0.00	0.00	0.00	0.00	126.65-	0		
	0.00	126.65	0.00	0.00	0.00	126.65-			
		126.65		0.00	126.65				
Begin Balance: 08/21/25								0.00	
09/17/25 PO 25000452 1 Paid Ck 18273	T.MACGOWAN-OFFICE OF WATER		THOMA030 THOMAS MACGOWAN			En 09/15/25		75.00-	75.00- MARION
09/17/25 PO 25000453 1 Paid Ck 18257	J.PELCHER LICENSE RENEWAL		JOSHU005 JOSHUA PELCHER			En 09/15/25		51.65-	126.65- MARION
01-900-001-8604 ADVERTISING-MEETINGS & BIDS									
	0.00	0.00	0.00	0.00	0.00	1,494.47-	0		
	0.00	1,494.47	0.00	0.00	0.00	1,494.47-			
		0.00		0.00	1,494.47				
01-900-001-8605 MISCELLANEOUS									
	0.00	20,000.00	0.00	0.00	20,000.00	7,319.48	63		
	0.00	12,680.52	0.00	0.00	0.00	7,319.48			
		0.00		0.00	12,680.52				
Control: 001 Total	0.00	4,531,118.34	0.00	0.00	4,531,118.34	1,233,795.86	73		
	5,680.57	3,024,659.93	272,662.55	0.00	0.00	1,506,458.41			
		112,770.82		0.00	3,297,322.48				
01-900-002-0000 COLLECTION									
01-900-002-5001 MAINTENANCE LABOR-COLLECTION									
	0.00	419,062.26	0.00	0.00	419,062.26	187,968.47	55		
	0.00	231,093.79	0.00	0.00	0.00	187,968.47			
		20,446.20		0.00	231,093.79				
Begin Balance: 08/21/25								208,414.67	
08/21/25 Expenditure			Reference	3113	2			11,042.38-	197,372.29 MARION
09/04/25 Expenditure			Reference	3114	3			9,403.82-	187,968.47 MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD %Used / Unexpended			
01-900-002-7101 REPAIRS & SUPPLIES-COLLECTION	0.00	53,500.00	0.00	0.00	53,500.00	22,221.99-	142		
	0.00	30,747.28	44,974.71	0.00	0.00	22,752.72			
		4,595.04		0.00	75,721.99				
Begin Balance: 08/21/25								22,171.99-	
08/28/25 PO 25000438 1 Paid Ck 18237	LICENSE RENEWAL - T.DANIELS		TREAS005	TREASURER-STATE OF N.J.		En 08/28/25		50.00-	22,221.99- MARION
09/17/25 PO 25000008 21 Paid Ck 18256	SAKERTE HIGH STRENGTH MIX		JOHNG005	JOHN GUIRE SUPPLY LLC		En 01/02/25 BS		67.36-*	22,221.99- MARION
09/17/25 PO 25000008 22 Paid Ck 18256	SAKERTE HIGH STRENGTH MIX		JOHNG005	JOHN GUIRE SUPPLY LLC		En 01/02/25 BS		84.20-*	22,221.99- MARION
09/17/25 PO 25000060 42 Paid Ck 18242	HAND CLEAN TOWEL		ATLAN005	ATLANTIC PLUMB SUPPLY INC		En 01/02/25 BS		24.40-*	22,221.99- MARION
09/17/25 PO 25000069 9 Paid Ck 18252	SERVICE "B"		GENSE005	GEN SERVE INC		En 01/02/25 BS		1,545.00-*	22,221.99- MARION
09/17/25 PO 25000076 9 Paid Ck 18264	MARK OUTS - AUGUST		ONECA005	ONE CALL CONCEPTS INC.		En 01/02/25 BS		400.90-*	22,221.99- MARION
09/17/25 PO 25000113 97 Paid Ck 18271	WET DRY VAC 10 GAL		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		139.99-*	22,221.99- MARION
09/17/25 PO 25000113 98 Paid Ck 18271	LEVEL, SQUARE, BIT HOLDER, PEN		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		41.89-*	22,221.99- MARION
09/17/25 PO 25000207 8 Paid Ck 18247	REPAIRS JOLINE PUMP STATION		ELECT005	ELECTRO MAINTENANCE INC		En 01/02/25 BS		1,061.80-*	22,221.99- MARION
09/17/25 PO 25000207 9 Paid Ck 18247	REPAIRS JOLINE PUMP STATION		ELECT005	ELECTRO MAINTENANCE INC		En 01/02/25 BS		1,171.50-*	22,221.99- MARION
09/17/25 PO 25000446 1 Paid Ck 18244	KEYS		BULLE005	BULLET LOCK & SAFE INC		En 08/01/25		8.00-*	22,221.99- MARION
01-900-002-7401 AUTO,TRUCK-REPAIR,PARTS-COLL.	0.00	26,200.00	0.00	0.00	26,200.00	19,598.57	25		
	0.00	4,499.79	2,101.64	0.00	0.00	21,700.21			
		0.00		0.00	6,601.43				
01-900-002-7402 AUTO,TRUCK-GASOLINE-COLL.	0.00	0.00	0.00	0.00	0.00	5,000.00-	0		
	0.00	2,716.64	2,283.36	0.00	0.00	2,716.64-			
		120.23		0.00	5,000.00				
Begin Balance: 08/21/25								5,000.00-	
09/17/25 PO 25000077 33 Paid Ck 18268	UNLEADED FUEL - AUGUST		RACHL005	RACHLES/MICHELE'S OIL COMPANY		En 01/02/25 BS		120.23-*	5,000.00- MARION
Control: 002 Total	0.00	498,762.26	0.00	0.00	498,762.26	180,345.05	64		
	0.00	269,057.50	49,359.71	0.00	0.00	229,704.76			
		25,161.47		0.00	318,417.21				

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD %Used / Unexpended			
01-900-003-0000 DISPOSAL									
01-900-003-5001 OPERATING LABOR-DISPOSAL									
	0.00	1,393,425.39	0.00	0.00	1,393,425.39	645,610.83	54		
	0.00	747,814.56	0.00	0.00	0.00	645,610.83			
		76,212.97		0.00	747,814.56				
Begin Balance: 08/21/25								721,823.80	
08/21/25 Expenditure			Reference	3113	3			684,261.12	MARION
09/04/25 Expenditure			Reference	3114	4			645,610.83	MARION
01-900-003-7101 REPAIRS AND SUPPLIES-DISPOSAL									
	855.52	215,000.00	0.00	0.00	215,855.52	1,368.87-	101		
	0.00	133,708.28	83,516.11	0.00	0.00	82,147.24			
		5,244.74		0.00	217,224.39				
Begin Balance: 08/21/25								1,092.27-	
08/21/25 PO 25000113 95 Paid Ck 18225	JIGSAW AND BLADES		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		304.77-*	1,092.27- MARION
08/21/25 PO 25000423 1 Paid Ck 18224	LICENSE RENEWAL - T.ROGUSKI		TREAS005	TREASURER-STATE OF N.J.		En 08/01/25		50.00-*	1,092.27- MARION
08/28/25 PO 25000436 1 Paid Ck 18236	T.MACGOWAN LICENSE REIMBURSE		THOMA030	THOMAS MACGOWAN		En 08/28/25		51.65-	1,143.92- MARION
08/28/25 PO 25000439 1 Paid Ck 18226	A.BURKE BOOT RIEMBURSEMENT		AMBER005	AMBER BURKE		En 08/28/25		164.95-	1,308.87- MARION
09/17/25 PO 25000008 20 Paid Ck 18256	YORK HOLLOW,4X8X16 SOLID BLOCK		JOHNG005	JOHN GUIRE SUPPLY LLC		En 01/02/25 BS		31.28-*	1,308.87- MARION
09/17/25 PO 25000010 58 Paid Ck 18253	CANDELABRA SCREWS		GRAIN005	GRAINGER INC.		En 01/02/25 BS		11.80-*	1,308.87- MARION
09/17/25 PO 25000010 59 Paid Ck 18253	PAD DRIVER 16" DIA		GRAIN005	GRAINGER INC.		En 01/02/25 BS		175.79-*	1,308.87- MARION
09/17/25 PO 25000010 60 Paid Ck 18253	GRADUATED DIPPER		GRAIN005	GRAINGER INC.		En 01/02/25 BS		83.51-*	1,308.87- MARION
09/17/25 PO 25000010 61 Paid Ck 18253	STRIPPING & BUFFING PAD		GRAIN005	GRAINGER INC.		En 01/02/25 BS		51.71-*	1,308.87- MARION
09/17/25 PO 25000016 10 Paid Ck 18274	TUFF WIPES, GLOVES		ULINE005	ULINE		En 01/02/25 BS		494.98-*	1,308.87- MARION
09/17/25 PO 25000016 11 Paid Ck 18274	MARKING PAINT, STAKE FLAGS		ULINE005	ULINE		En 01/02/25 BS		215.73-*	1,308.87- MARION
09/17/25 PO 25000088 14 Paid Ck 18270	TANK RENTALS - AUGUST		SEABO005	SEABOARD WELDING INC		En 01/02/25 BS		35.80-*	1,308.87- MARION
09/17/25 PO 25000091 32 Paid Ck 18275	UNIFORM RENTALS - AUGUST		UNIFI005	UNIFIRST CORPORATION		En 01/02/25 BS		168.33-*	1,308.87- MARION
09/17/25 PO 25000091 33 Paid Ck 18275	UNIFORM RENTALS - AUGUST		UNIFI005	UNIFIRST CORPORATION		En 01/02/25 BS		269.02-*	1,308.87- MARION
09/17/25 PO 25000091 34 Paid Ck 18275	UNIFORM RENTALS - AUGUST		UNIFI005	UNIFIRST CORPORATION		En 01/02/25 BS		209.72-*	1,308.87- MARION
09/17/25 PO 25000091 35 Paid Ck 18275	UNIFORM RENTALS - AUGUST		UNIFI005	UNIFIRST CORPORATION		En 01/02/25 BS		209.72-*	1,308.87- MARION
09/17/25 PO 25000113 96 Paid Ck 18271	TOP SOIL		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		3.75-*	1,308.87- MARION
09/17/25 PO 25000113 99 Paid Ck 18271	TIE DOWN STRAPS		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		8.64-*	1,308.87- MARION
09/17/25 PO 25000113 100 Paid Ck 18271	DRILL BIT,HOLE SAW, FASTENERS		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		70.15-*	1,308.87- MARION
09/17/25 PO 25000113 101 Paid Ck 18271	ROPE TRUCK		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		18.79-*	1,308.87- MARION
09/17/25 PO 25000113 102 Paid Ck 18271	AIR FILTERS		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		23.97-*	1,308.87- MARION
09/17/25 PO 25000113 103 Paid Ck 18271	SCOUR PAD, BLEACH, CLEANER		SIPER005	SIP'S PAINT & HARDWARE		En 01/02/25 BS		24.04-*	1,308.87- MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used		
Date Transaction Data/Comment			Vendor/Reference					Trans Amount	Trans Balance User
01-900-003-7101 REPAIRS AND SUPPLIES-DISPOSAL Continued									
09/17/25 PO 25000316 4 Paid Ck 18260 JULY/AUGUST LAWN SERVICES			MARKS010 MARK'S LANDSCAPING LLC			En 05/01/25 BS		2,790.00-*	1,308.87- MARION
09/17/25 PO 25000437 1 Paid Ck 18241 RANDOM DRUG TEST			AMBAS005 AMBASSADOR MEDICAL SERVICES IN			En 08/28/25		60.00-	1,368.87- MARION
09/17/25 PO 25000447 1 Paid Ck 18254 ASST PARTS			HOMED005 HOME DEPOT CREDIT SERVICES			En 08/11/25		55.41-*	1,368.87- MARION
09/17/25 PO 25000450 1 Paid Ck 18262 PALLETS OF MULCH			MAZZA005 MAZZA MULCH, INC.			En 06/24/25		16.00-*	1,368.87- MARION
01-900-003-7102 REPAIRS & SUPPLIES - LAB									
	0.00	0.00	0.00	0.00	0.00	49,614.16-	0		
	0.00	26,564.60	23,049.56	0.00	0.00	26,564.60-			
		1,811.87		0.00	49,614.16				
Begin Balance: 08/21/25									49,294.16-
08/28/25 PO 25000440 1 Open SCALE - LAB			TROEM005 TROEMNER, LLC					320.00-	49,614.16- MARION
09/17/25 PO 25000006 9 Paid Ck 18258 ENTEROCCI ANALYSIS - AUGUST			LYONS005 LYONS ENVIRONMENTAL SERVICES			En 01/02/25 BS		360.00-*	49,614.16- MARION
09/17/25 PO 25000007 9 Paid Ck 18251 LAB SUPPLIES - JULY			GARDE005 GARDEN STATE LABS INC			En 01/02/25 BS		574.00-*	49,614.16- MARION
09/17/25 PO 25000014 21 Paid Ck 18249 LAB SUPPLIES - AUGUST			FISHE005 FISHER SCIENTIFIC INC.			En 01/02/25 BS		178.19-*	49,614.16- MARION
09/17/25 PO 25000380 1 Paid Ck 18265 REPAIR SENSOR			PENDE005 PENDERGAST SAFETY EQUIP			En 07/25/25		665.18-*	49,614.16- MARION
09/17/25 PO 25000380 2 Paid Ck 18265 FREIGHT			PENDE005 PENDERGAST SAFETY EQUIP			En 07/25/25		34.50-*	49,614.16- MARION
01-900-003-7300 GRIT REMOVAL									
	0.00	28,500.00	0.00	0.00	28,500.00	0.00	100		
	0.00	24,850.00	3,650.00	0.00	0.00	3,650.00			
		3,550.00		0.00	28,500.00				
Begin Balance: 08/21/25									0.00
09/17/25 PO 25000005 22 Paid Ck 18250 GRIT REMOVAL - AUGUST			FREEH005 FREEHOLD CARTAGE INC			En 01/15/25 BS		1,775.00-*	0.00 MARION
09/17/25 PO 25000005 23 Paid Ck 18250 GRIT REMOVAL - AUGUST			FREEH005 FREEHOLD CARTAGE INC			En 01/15/25 BS		1,775.00-*	0.00 MARION
01-900-003-7301 SLUDGE REMOVAL EXPENSES									
	0.00	700,000.00	0.00	0.00	700,000.00	50,000.00	93		
	0.00	493,657.05	156,342.95	0.00	0.00	206,342.95			
		63,087.63		0.00	650,000.00				
Begin Balance: 08/21/25									50,000.00
09/17/25 PO 25000005 24 Paid Ck 18250 SLUDGE REMOVAL - AUGUST			FREEH005 FREEHOLD CARTAGE INC			En 01/01/25 BS		63,087.63-*	50,000.00 MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-003-7302 NJ-PERMIT & REGISTRATION FEES	0.00	80,000.00	0.00	0.00	80,000.00	31,447.87	61
	0.00	48,552.13	0.00	0.00	0.00	31,447.87	
		0.00		0.00	48,552.13		
01-900-003-7401 AUTO,TRUCK-REPAIR/PARTS-DISP.	0.00	17,500.00	0.00	0.00	17,500.00	15,388.58	12
	0.00	1,612.05	499.37	0.00	0.00	15,887.95	
		221.09		0.00	2,111.42		

Date	Transaction Data/Comment	Vendor/Reference		Trans Amount	Trans Balance	User
Begin Balance: 08/21/25					15,388.58	
09/17/25 PO 25000061 33 Paid Ck 18263	STARTING FLUID	NAPAA005	NAPA AUTO PARTS En 01/02/25 BS	4.09-*	15,388.58	MARION
09/17/25 PO 25000061 34 Paid Ck 18263	OIL&AIR FILTER, OIL, GREASE	NAPAA005	NAPA AUTO PARTS En 01/02/25 BS	138.11-*	15,388.58	MARION
09/17/25 PO 25000061 35 Paid Ck 18263	NAPA GOLD OIL FILTER	NAPAA005	NAPA AUTO PARTS En 01/02/25 BS	6.98-*	15,388.58	MARION
09/17/25 PO 25000061 36 Paid Ck 18263	NAPA FULL SYNTHETIC MOTOR OIL	NAPAA005	NAPA AUTO PARTS En 01/02/25 BS	30.27-*	15,388.58	MARION
09/17/25 PO 25000061 37 Paid Ck 18263	FULL SYNTH. MOTOR OIL & FILTER	NAPAA005	NAPA AUTO PARTS En 01/02/25 BS	41.64-*	15,388.58	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-003-7402 AUTO,TRUCK-GASOLINE-DISP.	0.00	0.00	0.00	0.00	0.00	10,000.00-	0
	0.00	5,433.24	4,566.76	0.00	0.00	5,433.24-	
		240.44		0.00	10,000.00		

Date	Transaction Data/Comment	Vendor/Reference		Trans Amount	Trans Balance	User
Begin Balance: 08/21/25					10,000.00-	
09/17/25 PO 25000077 34 Paid Ck 18268	UNLEADED FUEL - AUGUST	RACHL005	RACHLES/MICHELE'S OIL COMPANY En 01/02/25 BS	240.44-*	10,000.00-	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-003-7405 AUTO,TRUCK-MISC.-DISP.	0.00	0.00	0.00	0.00	0.00	176.38-	0
	0.00	176.38	0.00	0.00	0.00	176.38-	
		0.00		0.00	176.38		
01-900-003-7501 CHEMICALS	0.00	449,750.00	0.00	0.00	449,750.00	449,750.00	0
	0.00	0.00	0.00	0.00	0.00	449,750.00	
		0.00		0.00	0.00		
01-900-003-7503 CHEMICALS-POLYMER	0.00	0.00	0.00	0.00	0.00	132,500.00-	0
	0.00	64,236.00	68,264.00	0.00	0.00	64,236.00-	
		0.00		0.00	132,500.00		

Date	Transaction Data/Comment	Vendor/Reference		Trans Amount	Trans Balance	User
Begin Balance: 08/21/25					132,500.00-	
09/17/25 PO 24000003 17 Paid Ck 18267	PrR CLRIFLOC NE-203	POLYD005	POLYDYNE INC. En 03/31/25 BS	3,703.00-**	132,500.00-	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD %Used / Unexpended			
Date Transaction Data/Comment			Vendor/Reference					Trans Amount	Trans Balance User
01-900-003-7504 CHEMICALS-SODIUM HYPOCHLORITE									
	0.00	0.00	0.00	0.00	0.00	152,500.00-	0		
	0.00	98,557.75	53,942.25	0.00	0.00	98,557.75-			
		16,132.50		0.00	152,500.00				
Begin Balance: 08/21/25									152,500.00-
09/17/25 PO 25000013 25 Paid Ck 18243	SODIUM HYPOCHLORITE - AUGUST		BRENN005 BRENNTAG NORTHEAST, LLC			En 01/02/25 BS		4,212.50-*	152,500.00- MARION
09/17/25 PO 25000013 26 Paid Ck 18243	SODIUM HYPOCHLORITE - AUGUST		BRENN005 BRENNTAG NORTHEAST, LLC			En 01/02/25 BS		4,355.00-*	152,500.00- MARION
09/17/25 PO 25000013 27 Paid Ck 18243	SODIUM HYPOCHLORITE - AUGUST		BRENN005 BRENNTAG NORTHEAST, LLC			En 01/02/25 BS		3,312.50-*	152,500.00- MARION
09/17/25 PO 25000013 28 Paid Ck 18243	SODIUM HYPOCHLORITE - AUGUST		BRENN005 BRENNTAG NORTHEAST, LLC			En 01/02/25 BS		4,252.50-*	152,500.00- MARION
01-900-003-7505 CHEMICALS-OTHER									
	0.00	0.00	0.00	0.00	0.00	2,000.00-	0		
	0.00	1,456.00	544.00	0.00	0.00	1,456.00-			
		0.00		0.00	2,000.00				
01-900-003-7506 CHEMICALS-MAGNESIUM HYDROXIDE									
	0.00	0.00	0.00	0.00	0.00	137,500.00-	0		
	0.00	42,856.12	94,643.88	0.00	0.00	42,856.12-			
		0.00		0.00	137,500.00				
01-900-003-7507 CHEMICAL-ALUMINUM HYDROXIDE									
	0.00	0.00	0.00	0.00	0.00	25,282.18-	0		
	0.00	20,827.80	4,454.38	0.00	0.00	20,827.80-			
		5,091.24		0.00	25,282.18				
Begin Balance: 08/21/25									25,282.18-
09/17/25 PO 25000004 11 Paid Ck 18276	ALUMINUM HYDROXIDE - AUGUST		UNIVA005 UNIVAR SOLUTIONS			En 01/02/25 BS		2,545.62-*	25,282.18- MARION
09/17/25 PO 25000004 12 Paid Ck 18276	ALUMINUM HYDROXIDE - AUGUST		UNIVA005 UNIVAR SOLUTIONS			En 01/02/25 BS		2,545.62-*	25,282.18- MARION
01-900-003-7602 HEAT-GAS									
	0.00	120,000.00	0.00	0.00	120,000.00	0.00	100		
	0.00	57,470.70	62,529.30	0.00	0.00	62,529.30			
		2,425.11		0.00	120,000.00				
Begin Balance: 08/21/25									0.00
08/28/25 PO 25000024 57 Paid Ck 18234	150 JOLINE AVE		NJNAT005 NJ NATURAL GAS CO.			En 02/07/25 BS		1,847.68-*	0.00 MARION
08/28/25 PO 25000024 58 Paid Ck 18234	UTILITY BUILDING		NJNAT005 NJ NATURAL GAS CO.			En 02/07/25 BS		577.43-*	0.00 MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-003-7701 ELECTRIC-DISPOSAL	0.00	350,000.00	0.00	0.00	350,000.00	0.00	100
	0.00	147,186.88	202,813.12	0.00	0.00	202,813.12	
		0.00		0.00	350,000.00		
01-900-003-7801 WATER - PLANT - JOLINE AVENUE	0.00	16,840.00	0.00	0.00	16,840.00	40.00	100
	0.00	11,474.53	5,325.47	0.00	0.00	5,365.47	
		1,214.53		0.00	16,800.00		

Date	Transaction	Data/Comment	Vendor/Reference		Trans Amount	Trans Balance	User
Begin Balance: 08/21/25						40.00	
08/28/25	PO 25000023 51 Paid Ck 18233	150 JOLINE AVE	NEWJE005	NEW JERSEY AMERICAN WATER En 01/03/25 BS	585.12-*	40.00	MARION
08/28/25	PO 25000023 52 Paid Ck 18233	150 JOLINE AVE	NEWJE005	NEW JERSEY AMERICAN WATER En 01/03/25 BS	335.31-*	40.00	MARION
08/28/25	PO 25000023 53 Paid Ck 18233	SEAVIEW AVE MUNGARAGE	NEWJE005	NEW JERSEY AMERICAN WATER En 01/03/25 BS	294.10-*	40.00	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-003-7901 TELEPHONE-DISPOSAL	0.00	6,000.00	0.00	0.00	6,000.00	595.00	90
	0.00	3,779.25	1,625.75	0.00	0.00	2,220.75	
		447.63		0.00	5,405.00		

Date	Transaction	Data/Comment	Vendor/Reference		Trans Amount	Trans Balance	User
Begin Balance: 08/21/25						595.00	
08/28/25	PO 25000020 18 Paid Ck 18238	TELEPHONE - SEPT.	VERIZ005	VERIZON WIRELESS En 01/03/25 BS	148.11-*	595.00	MARION
08/28/25	PO 25000021 18 Paid Ck 18227	PHONE & INTERNET - AUGUST	COMCA005	COMCAST En 01/13/25 BS	299.52-*	595.00	MARION

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
Control: 003 Total	855.52	3,377,015.39	0.00	0.00	3,377,870.91	681,890.69	80
	0.00	1,930,213.32	765,766.90	0.00	0.00	1,447,657.59	
		175,679.75		0.00	2,695,980.22		

Account No / Description	Prior Budget / Payable YTD	Adopted / Expended YTD / Expended Curr	Amended / Encumber YTD	Transfers / Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used
01-900-004-0000 PUMP STATIONS							
01-900-004-7101 REPAIRS AND SUPPLIES-PUMPING	0.00	37,500.00	0.00	0.00	37,500.00	14,920.75	60
	0.00	13,231.09	9,348.16	0.00	0.00	24,268.91	
		1,849.14		0.00	22,579.25		

Date	Transaction	Data/Comment	Vendor/Reference		Trans Amount	Trans Balance	User
Begin Balance: 08/21/25						14,920.75	
08/28/25	PO 25000024 59 Paid Ck 18234	150 JOLINE AVE	NJNAT005	NJ NATURAL GAS CO. En 02/07/25 BS	63.00-*	14,920.75	MARION
08/28/25	PO 25000024 60 Paid Ck 18234	HOEY & OVERLOOK AVE PS	NJNAT005	NJ NATURAL GAS CO. En 02/07/25 BS	67.00-*	14,920.75	MARION
08/28/25	PO 25000024 61 Paid Ck 18234	LINCOLN AVE PS	NJNAT005	NJ NATURAL GAS CO. En 02/07/25 BS	60.32-*	14,920.75	MARION
08/28/25	PO 25000024 62 Paid Ck 18234	MCCLELLAN ST PS	NJNAT005	NJ NATURAL GAS CO. En 02/07/25 BS	55.00-*	14,920.75	MARION
08/28/25	PO 25000024 63 Paid Ck 18234	MONMOUTH PL PS	NJNAT005	NJ NATURAL GAS CO. En 02/07/25 BS	58.55-*	14,920.75	MARION

Account No / Description / Prior Budget / Adopted / Amended / Transfers / Modified / Balance YTD %Used										
			Payable YTD	Expended YTD	Encumber YTD	Reimbrsd YTD	Canceled	Unexpended		
				Expended Curr		Reimbrsd Curr	Pd/Chrgd YTD			
Date	Transaction	Data/Comment		Vendor/Reference					Trans Amount	Trans Balance	User
01-900-004-7101		REPAIRS AND SUPPLIES-PUMPING		Continued							
08/28/25	PO 25000024	64 Paid Ck 18234	WILLOW AVE PS	NJNAT005	NJ NATURAL GAS CO.			En 02/07/25 BS	114.02-*	14,920.75	MARION
09/17/25	PO 25000448	1 Paid Ck 18255	ON SITE SERVICE	JENAR005	JENARIAH INDUSTRIAL AUTOMATION			En 08/19/25	1,431.25-*	14,920.75	MARION
01-900-004-7701		ELECTRIC-PUMP STATIONS									
			0.00	29,500.00	0.00	0.00	29,500.00	0.00 100			
			0.00	26,937.66	2,562.34	0.00	0.00	2,562.34			
				3,070.99		0.00	29,500.00				
Begin Balance: 08/21/25										0.00	
08/28/25	PO 25000022	54 Paid Ck 18231	EXCHANGE PL. PS	JCPLC005	J.C.P.& L CO.			En 01/03/25 BS	96.55-*	0.00	MARION
08/28/25	PO 25000022	55 Paid Ck 18231	MONMOUTH PL PS	JCPLC005	J.C.P.& L CO.			En 01/03/25 BS	61.72-*	0.00	MARION
08/28/25	PO 25000022	56 Paid Ck 18231	HOEY & OVERLOOK AVE PS	JCPLC005	J.C.P.& L CO.			En 01/03/25 BS	1,555.50-*	0.00	MARION
08/28/25	PO 25000022	57 Paid Ck 18231	LINCOLN AVE PS	JCPLC005	J.C.P.& L CO.			En 01/03/25 BS	319.11-*	0.00	MARION
08/28/25	PO 25000022	58 Paid Ck 18231	MCCLELLAN ST. PS	JCPLC005	J.C.P.& L CO.			En 01/03/25 BS	44.14-*	0.00	MARION
08/28/25	PO 25000022	59 Paid Ck 18231	JOLINE AVE PS	JCPLC005	J.C.P.& L CO.			En 01/03/25 BS	993.97-*	0.00	MARION
Control: 004		Total									
			0.00	67,000.00	0.00	0.00	67,000.00	14,920.75 78			
			0.00	40,168.75	11,910.50	0.00	0.00	26,831.25			
				4,920.13		0.00	52,079.25				
01-900-004-7801		WATER									
01-900-004-7802		WATER- PUMP STATIONS									
			0.00	2,000.00	0.00	0.00	2,000.00	0.00 100			
			0.00	679.33	1,320.67	0.00	0.00	1,320.67			
				131.22		0.00	2,000.00				
Begin Balance: 08/21/25										0.00	
08/28/25	PO 25000023	54 Paid Ck 18233	LINCOLN GARDENS PS	NEWJE005	NEW JERSEY AMERICAN WATER			En 01/03/25 BS	23.86-*	0.00	MARION
08/28/25	PO 25000023	55 Paid Ck 18233	OCEAN AVE PS	NEWJE005	NEW JERSEY AMERICAN WATER			En 01/03/25 BS	23.86-*	0.00	MARION
08/28/25	PO 25000023	56 Paid Ck 18233	OVERLOOK AVE PS	NEWJE005	NEW JERSEY AMERICAN WATER			En 01/03/25 BS	23.86-*	0.00	MARION
08/28/25	PO 25000023	57 Paid Ck 18233	WILLOW AVE PS	NEWJE005	NEW JERSEY AMERICAN WATER			En 01/03/25 BS	59.64-*	0.00	MARION
Control: 004		Total									
			0.00	2,000.00	0.00	0.00	2,000.00	0.00 100			
			0.00	679.33	1,320.67	0.00	0.00	1,320.67			
				131.22		0.00	2,000.00				

Account No / Date	Description / Transaction Data/Comment	Prior Budget / Payable YTD / Expended Curr	Adopted / Expended YTD / Encumber YTD	Amended / Encumber YTD / Reimbrsd Curr	Transfers / Reimbrsd YTD / Vendor/Reference	Modified / Canceled / Pd/Chrgd YTD	Balance YTD / Unexpended	%Used / Trans Amount	Trans Balance / User
01-900-005-0000	CAPITAL								
01-900-005-9003	VEHICLES								
		0.00	30,000.00	0.00	0.00	30,000.00	30,000.00	0	
		0.00	0.00	0.00	0.00	0.00	30,000.00		
			0.00		0.00	0.00			
01-900-005-9005	TREATMENT PLANT EQUIPMENT								
		0.00	60,000.00	0.00	0.00	60,000.00	60,000.00	0	
		0.00	0.00	0.00	0.00	0.00	60,000.00		
			0.00		0.00	0.00			
01-900-005-9006	ROOF REPLACEMENT								
		0.00	20,000.00	0.00	0.00	20,000.00	20,000.00	0	
		0.00	0.00	0.00	0.00	0.00	20,000.00		
			0.00		0.00	0.00			
01-900-005-9007	SECONDARY TREATMENT PLANT								
		0.00	30,000.00	0.00	0.00	30,000.00	30,000.00	0	
		0.00	0.00	0.00	0.00	0.00	30,000.00		
			0.00		0.00	0.00			
01-900-005-9008	DIGESTER CLEANING/COVERS								
		0.00	65,000.00	0.00	0.00	65,000.00	65,000.00	0	
		0.00	0.00	0.00	0.00	0.00	65,000.00		
			0.00		0.00	0.00			
01-900-005-9009	JET VAC TRUCK								
		0.00	55,000.00	0.00	0.00	55,000.00	55,000.00	0	
		0.00	0.00	0.00	0.00	0.00	55,000.00		
			0.00		0.00	0.00			
01-900-005-9011	COLLECTION SYSTEM IMPROVEMENTS								
		0.00	22,500.00	0.00	0.00	22,500.00	22,500.00	0	
		0.00	0.00	0.00	0.00	0.00	22,500.00		
			0.00		0.00	0.00			
01-900-005-9012	PUMP STATION EQUIPMENT								
		0.00	30,000.00	0.00	0.00	30,000.00	30,000.00	0	
		0.00	0.00	0.00	0.00	0.00	30,000.00		
			0.00		0.00	0.00			
Control: 005	Total	0.00	312,500.00	0.00	0.00	312,500.00	312,500.00	0	
		0.00	0.00	0.00	0.00	0.00	312,500.00		
			0.00		0.00	0.00			

Account No / Date	Description / Transaction Data/Comment	Prior Budget / Payable YTD / Expended Curr	Adopted / Expended YTD / Encumber YTD	Amended / Transfers Reimbrsd YTD / Reimbrsd Curr	Modified / Canceled Pd/Chrgd YTD / Vendor/Reference	Balance YTD / Unexpended	%Used / Trans Amount	Trans Balance / User
Fund: 01	Budgeted Total							
		855.52	8,788,395.99	0.00	0.00	8,789,251.51	2,423,452.35	72
		5,680.57	5,264,778.83	1,101,020.33	0.00	0.00	3,524,472.68	
			318,663.39		0.00	6,365,799.16		
Fund: 01	Non-Budgeted Total							
		0.00	0.00	0.00	0.00	0.00	0.00	0
		0.00	0.00	0.00	0.00	0.00	0.00	
			0.00		0.00	0.00		
Fund: 01	Total							
		855.52	8,788,395.99	0.00	0.00	8,789,251.51	2,423,452.35	72
		5,680.57	5,264,778.83	1,101,020.33	0.00	0.00	3,524,472.68	
			318,663.39		0.00	6,365,799.16		
Final Budgeted		855.52	8,788,395.99	0.00	0.00	8,789,251.51	2,423,452.35	72
		5,680.57	5,264,778.83	1,101,020.33	0.00	0.00	3,524,472.68	
			318,663.39		0.00	6,365,799.16		
Final Non-Budgeted		0.00	0.00	0.00	0.00	0.00	0.00	0
		0.00	0.00	0.00	0.00	0.00	0.00	
			0.00		0.00	0.00		
Final Total		855.52	8,788,395.99	0.00	0.00	8,789,251.51	2,423,452.35	72
		5,680.57	5,264,778.83	1,101,020.33	0.00	0.00	3,524,472.68	
			318,663.39		0.00	6,365,799.16		

LONG BRANCH SEWERAGE AUTHORITY
MINUTES OF THE REGULAR MEETING
AUGUST 20, 2025

I. and II. Opening and Attendance of Meeting and Pledge of Allegiance

A Regular Meeting of the Long Branch Sewerage Authority was called to order at 3:07 p.m., prevailing time, on Wednesday, August 20, 2025, by the Executive Director, Thomas Roguski, both in person and electronically via telephonic communication conference call, attended by Mr. Riley, Mr. Booth, and Mr. Brown. Mr. Larco and Mrs. Morris were absent.

In addition to the Members of the Authority hereinabove stated, there were present at said Regular Meeting the following professional attaches: Thomas Roguski, P.E., Executive Director; John L. Bonello, Esq., of the firm Manna & Bonello, P.A., Authority Counsel; Charles J. Fallon, CPA, RMA, of the firm Fallon & Company LLP, Authority Auditor; John McKelvey, P.E., of the firm Colliers Engineering and Design, Authority Engineer; David L. Isabel, of the firm Trenk Isabel Siddiqi & Shahdanian P.C., Authority Environmental Counsel; and Nicole Woods, Secretary.

III. Announcement Pursuant to New Jersey Open Public Meeting Act.

Adequate Notice of this Regular Meeting and of all Regular Meetings for the Year 2025, has been provided by publication thereof in the *Link News* on February 24, 2025 as a "legal" advertisement, in the *Asbury Park Press* on February 26, 2025 as a "legal" advertisement and in the *Coaster* on February 27, 2025 as a "legal" advertisement, and by forwarding duplicates thereof on February 20, 2025, to the Clerks of the City of Long Branch, Borough of West Long Branch and Borough of Monmouth Beach for filing in their respective offices and for posting in a public place in each such Municipality.

IV. Public Participation.

Mr. Vincent Lepore from 33 Ocean Terrace was present via telephonic communication.

Mr. Lepore inquired about the Aluminum Hydroxide Chloride and Magnesium Hydroxide Chlorite contracts and if there are any anticipated cost increases with these contracts.

Mr. Roguski replied that both of these contracts are 'if and where directed' material costs and are per unit quantity of material delivered. These contracts are awarded based on the lowest cost per unit quantity.

Mr. Lepore asked if the supplier was to have any unanticipated increases, is there a clause in the contract that would allow those increases to be passed on to the Authority.

Mr. Roguski replied that there may be certain situations where the supplier will try to pass on the increase to us; while we would dispute any increase, some types may be valid within the law.

Mr. Lepore had no further questions and thanked the Board.

On Motion by Mr. Riley, seconded by Mr. Booth, and passed by the affirmative vote of all members present, no nays, two absent, no abstain; the Public Participation portion of the Meeting was closed.

V. Miscellaneous Suggestions for the Good of the Authority

Mr. Vincent Lepore from 33 Ocean Terrace was present via telephonic communication.

Mr. Lepore suggested the Authority look into alternate power sources and perhaps entering into a co-op with other Authorities in the future,

Mr. Lepore had no further suggestions and thanked the Board.

On Motion by Mr. Booth, seconded by Mr. Riley, and passed by the affirmative vote of all members present, no nays, two absent, no abstain; the Miscellaneous Suggestions for the Good of the Authority portion of the Meeting was closed.

VI. As to the Minutes of the Regular Meeting of July 16, 2025

On Motion by Mr. Booth, seconded by Mr. Brown, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, the reading of the Minutes of the Regular Meeting of the Long Branch Sewerage Authority held on July 16, 2025, to be dispensed with and that such Minutes be, and they are hereby, approved as recorded and circulated.

VII. As to the Minutes of the Executive Session held on July 16, 2025, if any

None

VIII. Correspondence

The attached list of correspondence was reviewed by the Authority. Individual items were dealt with as follows:

Mr. Roguski introduced Mr. David Isabel, the Authority's Environmental Attorney from Trenk, Isabel Siddiqi & Shahdanian, to discuss Correspondence Item No. 26.

Mr. Isabel stated that since July's meeting he has learned that regarding the multi district litigation in South Carolina, there is no funds to tap into at this time. Mr. Isabel further explained that the 3M and DuPont settlements speak to not just the water suppliers but wastewater treatment upgrades as well. Mr. Isabel stated the DuPont settlement looks like it may be between $2 Billion and $2.5 Billion. Mr. Isabel further explained that the public comments for the 3M settlement are due on September 19, 2025 and the A.E.A. has sought a 120 day extension.

Mr. Isabel proposes to work with the Authority and Engineers to understand what is needed to treat the PFAS before it leaves the Authority either in the effluent or the solids. In order prepare the comments and to seek the clarification regarding both eligibility and scope of work. Once the response to the comments is returned, he will advise the Authority on the application process and develop a road map to take advantage of the funds when they are available in the future.

Mr. Roguski explained that these treatment processes are very costly and every little bit of funding will help, therefore it's worthwhile to explore funding through these settlements. Funding is not guaranteed however.

The following resolution was presented (Resolution No. 6):

RESOLUTION

Mr. Brown offered the following Resolution and moved its adoption; seconded by Mr. Riley

WHEREAS, the Long Branch Sewerage Authority (the "Authority") has heretofore received a proposal from its Environmental Counsel, Trenk Isabel Siddiqi & Shahdanian P.C., dated August 20, 2025, for Supplemental Environmental Attorney Services, and

WHEREAS, the Authority's Executive Director has reviewed the proposal and recommended that the contract be awarded to Trenk Isabel Siddiqi & Shahdanian P.C., per their proposal, dated August 20, 2025, attached hereto and made a part hereof, for Supplemental Environmental Attorney Services, and

WHEREAS, the cost for the services is not to exceed $5,000.00 for Supplemental Environmental Attorney Services, and

WHEREAS, the Authority's Executive Director has certified that there are funds available for this purpose, as per the certification attached hereto and made a part hereof.

NOW, THEREFORE, BE IT RESOLVED that:

3. The Long Branch Sewerage Authority hereby awards Trenk Isabel Siddiqi & Shahdanian P.C. the proposal for Supplemental Environmental Attorney Services in the total amount of not to exceed $5,000.00 subject to Trenk Isabel Siddiqi & Shahdanian P.C. complying with all of the requirements of the terms and conditions of the proposal.

2. The Authority is authorized to enter into a contract with Trenk Isabel Siddiqi & Shahdanian P.C. for the purpose expressed hereinabove.

3. The Authority Chairman and/or Executive Director are authorized to sign any documents needed to effectuate this resolution.

ROLL CALL:

Mr. Riley - AYE
Mr. Booth - AYE
Mr. Brown - AYE
Mr. Larco - ABSENT
Mrs. Morris - ABSENT

Date: August 20, 2025
R6.8-25
Exhibits E & F

****

Mr. Roguski reported that Item No. 21 is a letter from Colliers Engineering and Design recommending the close out of the Enclave at West End Application.

The following resolution was presented.

RESOLUTION

Mr. Booth offered the following Resolution and moved its adoption; seconded by Mr. Brown

WHEREAS, the Long Branch Sewerage Authority (hereinafter the "Authority") desires to approve and closeout the application, release the performance bond and release remaining escrow funds for the Enclave at West End / Block 117, Lot 25, and

WHEREAS, the Authority's Consulting Engineer, Colliers Engineering and Design, has recommended approval and closeout

of said application, release of said performance bond and release of said remaining escrow funds as per and conditional upon items referenced in their letter, dated August 12, 2025, attached hereto and made a part hereof.

NOW, THEREFORE, BE IT RESOLVED by the Long Branch Sewerage Authority that the Authority hereby approves and closes out the application, releases said performance bond and releases said remaining escrow funds for the Enclave at West End / Block 117, Lot 25, as per the recommendation of the Authority's Consulting Engineer and conditional upon items referenced in the above referenced letter, and

BE IT FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley - AYE
Mr. Booth - AYE
Mr. Brown - AYE
Mr. Larco - ABSENT
Mrs. Morris - ABSENT

Date: August 20, 2025
R1.8-25
Exhibit A

****

Mr. Roguski stated that three (3) separate letters, all regarding conditional approval recommendations, were received from Colliers Engineering and Design as follows: (1) Correspondence Item No. 22 regarding 305 Broadway; (2) Correspondence Item No. 24 regarding PV Wave Condominiums; and, (3) Correspondence Item No. 25 regarding 400 Morris Avenue. Mr. McKelvey reported on each project,

Mr. McKelvey stated that Correspondence Item No. 22, regarding 305 Broadway, is currently a vacant lot on the corner of Lippincott Avenue and Broadway. The proposed development will be a four (4) story 37,500 sq. ft. building consisting of 2,000 sq. ft of retail space, 2,400 sq. ft. of restaurant space and seventy-eight (78) one (1) to two (2) bedroom units. The average daily flow will be 18,425 gallons per day with an eight (8") inch lateral connecting on Lippincott Avenue.

Mr. McKelvey explained that Correspondence Item No. 24, regarding the Wave Condominiums, is currently a parking lot located at 36 Morris Avenue, which used to have two (2) hotels that were demolished several years ago. The proposed development will be forty-six (46) two

(2) to three (3) bedroom units with a daily flow of 11,850 gallons per day and connected by two (2) eight (8') laterals both connecting to Morris Avenue.

Mr. McKelvey explained that Correspondence Item No. 25, regarding Morris Avenue Commons, is currently a two (2) story apartment building located at 400 Morris Avenue. The Proposed renovations will create eight (8) one (1) and two (2) bedroom units with a daily flow of 1,650 gallons per day, which will connect to Morris Avenue with a four (4") inch lateral.

The following resolutions were presented.

RESOLUTION

Mr. Brown offered the following Resolution and moved its adoption; seconded by Mr. Riley

WHEREAS, North Light, LLC has applied for sewer connection for 305 Broadway, known as Block 268, Lots 1-7, 32 and 33, and

WHEREAS, the application was accompanied by the necessary documentation, and

WHEREAS, the Authority Consulting Engineer, Colliers Engineering & Design, has reviewed the associated documents, and has recommended that the application be conditionally approved in their letter, dated August 13, 2025, attached hereto and made a part hereof, and

WHEREAS, there is adequate capacity to service the request.

NOW, THEREFORE, BE IT RESOLVED by the Long Branch Sewerage Authority that the application of North Light, LLC for connection to the sewerage system be and the same is hereby approved conditionally as per the letter of the Authority Consulting Engineer, Colliers Engineering & Design, dated August 13, 2025, and upon the payment of all requisite fees, including, but not limited to, 50% of the total connection fee due prior to issuance of the City of Long Branch Building Permit, and the remaining 50% due prior to issuance of any Certificate of Occupancy.

BE IT FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley - AYE
Mr. Booth - AYE
Mr. Brown - AYE
Mr. Larco - ABSENT
Mrs. Morris - ABSNET

Date: August 20, 2025
R2.8-25
Exhibit B

* * * *

RESOLUTION

Mr. Brown offered the following Resolution and moved its adoption; seconded by Mr. Booth

WHEREAS, PV Condo LLC/ Wave Condominium has applied for sewer connection for 36 Morris Ave, known as Block 218, Lots 4.01, and

WHEREAS, the application was accompanied by the necessary documentation, and

WHEREAS, the Authority Consulting Engineer, Colliers Engineering & Design, has reviewed the associated documents, and has recommended that the application be conditionally approved in their letter, dated August 13, 2025, attached hereto and made a part hereof, and

WHEREAS, there is adequate capacity to service the request.

NOW, THEREFORE, BE IT RESOLVED by the Long Branch Sewerage Authority that the application of PV Condo LLC/ Wave Condominium for connection to the sewerage system be and the same is hereby approved conditionally as per the letter of the Authority Consulting Engineer, Colliers Engineering & Design, dated August 13, 2025, and upon the payment of all requisite fees, including, but not limited to, 50% of the total connection fee due prior to issuance of the City of Long Branch Building Permit, and the remaining 50% due prior to issuance of any Certificate of Occupancy.

BE IT FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley - AYE
Mr. Booth - AYE
Mr. Brown - AYE
Mr. Larco - ABSENT
Mrs. Morris - ABSENT

Date: August 20, 2025
R3.8-25
Exhibit C

* * * *

RESOLUTION

Mr. Brown offered the following Resolution and moved its adoption; seconded by Mr. Booth

WHEREAS, Morris Ave Commons, LLC has applied for sewer connection for 400 Morris Ave, known as Block 230, Lots 13 and 14 (New Lot 13.01), and

WHEREAS, the application was accompanied by the necessary documentation, and

WHEREAS, the Authority Consulting Engineer, Colliers Engineering & Design, has reviewed the associated documents, and has recommended that the application be conditionally approved in their letter, dated August 13, 2025, attached hereto and made a part hereof, and

WHEREAS, there is adequate capacity to service the request.

NOW, THEREFORE, BE IT RESOLVED by the Long Branch Sewerage Authority that the application of Morris Ave Commons, LLC for connection to the sewerage system be and the same is hereby approved conditionally as per the letter of the Authority Consulting Engineer, Colliers Engineering & Design, dated August 13, 2025, and upon the payment of all requisite fees, including, but not limited to, 50% of the total connection fee due prior to issuance of the City of Long Branch Building Permit, and the

remaining 50% due prior to issuance of any Certificate of Occupancy.

BE IT FURTHER RESOLVED that the Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley - AYE
Mr. Booth - AYE
Mr. Brown - AYE
Mr. Larco - ABSENT
Mrs. Morris - ABSENT

Date: August 20, 2025
R4.8-25
Exhibit D

****

Mr. Roguski had nothing further to report.

LIST OF CORRESPONDENCE FOR REGULAR MEETING

LONG BRANCH SEWERAGE AUTHORITY

AUGUST 20, 2025

1) Copy of a Letter dated 07/18/25 received 07/18/25 to InSite Engineering from Colliers Engineering, re: Sephardic Torah Center 213 and 205 Lenox Avenue, Block 95 / Lots 5.01 & 5.02

2) Copy of a Letter dated 07/18/25 received 07/18/25 to Nelson Engineering from Colliers Engineering, re: Ian Holdings, LLC, 85 Chelsea Ave, Block 287.01 / Lot 21

3) Certified Letter dated 07/18/25 received 07/22/25 from Gagliano & Company, re: 150 Joline Ave, Block 401 Lot 13, E89A -Bridge Easement 375+/- S.F., E89B Temporary Construction Easement 1,330+/- S.F., E89C Temporary Construction Easement 305+/- S.F.

4) Certified Letter dated 07/03/25 received 07/22/25 from Paul Sansone, Jr., re: 14 Ocean Ave / Block 51 Lot 11.01 / Monmouth Beach (NOT LBSA)

5) Letter dated 07/22/25 received 07/22/25 from In Site Engineering, re: 67 Joline Ave. / Block 416 Lot 2, Utility Availability Request

6) Certified Letter dated 07/21/25 received 07/23/25 from L2A Land Design, LLC, re: 648 Second Ave / Block 93 Lot 1, Proposed Mixed Use Building Will Serve Request

7) Letter of Transmittal dated 07/21/25 received 07/23/25 from L2 Land Design, LLC, re: 648 Second Ave / Block 93 Lot 1, Application and Plans

8) Notice of Hearing dated 07/15/25 received 07/25/25 from Paul R. Edinger, Esq., re: 74 Beechwood Ave. / Block 37 Lot 3 / West Long Branch (NOT LBSA)

9) Letter dated 07/22/25 received 07/25/25 from CME Associates, re: Application the NJDEP for a Freshwater Wetlands General Permit #11 and In-Water Waterfront Development Individual Permit for the Ivy Place Drainage Improvements Block 455 Lot 6.81

10) Letter dated 07/24/25 received 07/28/25 from Juscelucio F. DaSilva Jr., re: 275 Cleveland Ave. / Block 187 Lot 4, Service Availability Request

11) Copy of letter dated 07/30/25 received 07/30/25 from Thomas Roguski to Juscelucio F. DaSilva Jr., re: Letter of Service Availability: Sanitary Sewer 275 Cleveland Avenue/ Block 187 Lot 4

12) Letter dated 07/30/25 received 07/30/25 from L2A Land Design LLC, re: Proposed Mixed- Use Building/ 648 Second Ave/ Block 93 Lot 1

13) Copy of letter dated 07/30/25 received 07/30/25 from Thomas Roguski to David Valentino, re: Request for Service Availability: Sanitary Sewer/ Proposed Mixed-Use Building/ 648 Second Ave/ Block 93 Lot 1

14) Copy of letter dated 07/30/25 received 07/30/25 from Thomas Roguski to Kevin Hayes, re: Request for Service Availability: Sanitary Sewer/ Proposed Multiple Dwelling / 67 Joline Ave/ Block 416 Lot 2

15) Certified Notice of Hearing received 08/07/25 from Paul R. Edinger, Esq., re: 125, 133 & 141 Morris Ave / Block 229 Lots 21, 22 & 23

16) Certified Public Notice dated 07/29/25 received 08/07/25 from Salvatore Alfieri, Esq., re: 123 Monmouth Road / Block 68 Lot 12.01 West Long Branch (NOT LBSA)

17) Certified Notice of Hearing dated 08/04/25 received 08/11/25 from Rick Brodsky, Esq., re: 4, 6 & 8 Lincoln Gardens and 100 Lincoln Ave / Block 4 Lots 9.02, 9.03, 10 & 11, Applicant seeking major subdivision approval to form three (3) lots from the existing four (4) lots.

18) Certified Notice of Hearing dated 08/06/25 received 08/11/25 from Jenifer S. Krimko, Esq., re: 85 Chelsea Ave / Block 287.01 Lot 21, Applicant is seeking final site plan

approval for the construction of two (2) three story townhouse structures each containing five (5) units for a total of ten (10) units.

19) Certified Notice of Hearing dated 08/06/25 received 08/11/25 from Anthony J. Storrow, Esq., re: 66 Hollywood Ave / Block 31 Lot 2, Applicant seeking bulk variance for the construction of a second floor living space above the existing garage and the construction of an inground swimming pool, patio, generator and fencing.

20) Certified Notice of Hearing dated 08/01/25 received 08/11/25 from Thomas J. Hirsch, re: Applicant, F. David Coder, is seeking a minor subdivision involving Block 227 Lots 1.03 and 2.02 to reconfigure the lot lines

ACTION 21) Letter dated 08/12/25 received 08/12/25 from Colliers Engineering & Design, re: Closeout Recommendation for Enclave at West End / Block 117 Lot 25

ACTION 22) Letter dated 08/13/25 received 08/13/25 from Colliers Engineering & Design, re: Approval of the application from North Light LLC for 305 Broadway / Block 26 Lots 1-7, 32 & 33

23) Letter dated 08/13/25 received 08/13/25 from Colliers Engineering & Design, re: Engineer's Status Report for August 2025 meeting

ACTION 24) Letter dated 08/13/25 received 08/14/25 from Colliers Engineering & Design, re: Approval of the application from PV Condo, LLC / Wave Condominium for 36 Morris Ave. / Block 218 Lot 4.01

ACTION 25) Letter dated 08/13/25 received 08/14/25 from Colliers Engineering & Design, re: Approval of the application from Morris Ave Commons, LLC for 400 Morris Ave / Block 230 Lots 13 & 14 (new lot 13.01)

ACTION 26) Letter dated 08/20/25 received 08/18/25 from Trenk Isabel Siddiqi & Shahdanian P.C., re: Environmental Attorney Services

On Motion by Mr. Booth, seconded by Mr. Brown, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, the attached List of Correspondence was ordered received and filed.

IX. Report of the Executive Director for the August 20, 2025 Authority Meeting

Mr. Roguski reported that, over the last month, the Authority treated an average of 2.86 MGD and met all the limits of our discharge permit.

Mr. Roguski stated that the bids for the annual contracts need to be advertised. Further, Mr. Roguski explained that the Sludge Removal was last bid five (5) years ago and is now due this year.

The following resolution was presented.

RESOLUTION

Mr. Brown offered the following Resolution and moved its adoption; seconded by Mr. Booth

WHEREAS, the Long Branch Sewerage Authority (herein after "the Authority") desires to contract for the following: (1) removal, transport, and disposal of sand, grit, and bar screen screenings; (2) furnishing and delivery of dry polymer; (3) furnishing and delivery of emulsion polymer; (4) furnishing and delivery of aluminum hydroxide chloride; (5) furnishing and delivery of sodium hypochlorite; (6) furnishing pump & motor repairs and new motor purchase; (7) road restoration and infrared paving; (8) furnishing and delivery of magnesium hydroxide (9) electrical maintenance services; (10) purchase of odor control media; and (11) sludge removal (five years), and

WHEREAS, the Authority has determined that said purchases should be made by public bid in accordance with law, and

WHEREAS, it is required by law that the Authority advertise for said bids.

NOW, THEREFORE, BE IT RESOLVED by the Long Branch Sewerage Authority that:

1. The Authority is authorized to advertise for bids for the above-described contracts.

2. The Authority Chairman and/or Executive Director are authorized to sign any documents necessary to effectuate this resolution.

ROLL CALL:

Mr. Riley	- AYE
Mr. Booth	- AYE
Mr. Brown	- AYE
Mr. Larco	- ABSENT
Mrs. Morris	- ABSENT

Date: August 20, 2025
R5.8-25

****

Mr. Roguski had nothing further to report.

On Motion by Mr. Booth, seconded by Mr. Riley, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, the report of the Executive Director, as prepared and submitted, is hereby approved, and ordered received and filed and made part of the Minutes of this Meeting.

X. Report by Authority Counsel of the Activities of that Office and of Actions taken since July 16, 2025

Mr. Bonello reported that he reviewed the items in Mr. Roguski's report.

Mr. Bonello had nothing further to report.

On Motion by Mr. Booth, seconded by Mr. Brown, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, all actions taken, and dispositions made by the Authority Counsel of and regarding each and all the foregoing items be, and they are in all respects approved, confirmed, and ratified.

XI. Report by Authority Auditor of the Activities of that Office and of Actions taken since July 16, 2025

Mr. Fallon reported that he is continuing work on the Authority's audit and hopes to have it completed shortly.

On Motion by Mr. Booth, seconded by Mr. Brown, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, all actions taken, and dispositions made by Authority Auditor of and about each and all the foregoing items be, and they are in all respects, approved, confirmed, and ratified.

XII. Report by Authority Consulting Engineer of the Activities of that Office and of Actions taken since July 16, 2025

Mr. McKelvey reported regarding the Capital Improvements, the Hoey Avenue Pump Station Construction, he is continuing to review shop drawings from the contractor.

Mr. McKelvey reported besides the three (3) developments discussed under correspondence, that an additional development application has been received and is under review.

Mr. McKelvey reported that the construction activity was minimal during the past month and will be continually monitored as needed.

Mr. McKelvey had nothing further to report.

On Motion by Mr. Brown, seconded by Mr. Booth, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, all actions taken, and dispositions made by Authority Consulting Engineer of and about each and all the foregoing items be, and they are in all respects, approved, confirmed, and ratified.

XIII. Transfers, if any.

The transfers are as listed.

The following Resolution was moved by Mr. Booth, seconded by Mr. Brown, and passed by all affirmative vote of all members present, no nays, two absent, no abstain, approving the Authority Transfers for the month of July 2025 as listed.

RESOLUTION

BE IT RESOLVED BY THE LONG BRANCH SEWERAGE AUTHORITY IN SESSION AT A REGULAR MEETING THEREOF ON THIS 20TH DAY OF AUGUST 2025 PURSUANT TO NOTICE AT WHICH AT LEAST A QUORUM IS PRESENT THAT THE AUTHORITY HEREBY APPROVES THE TRANSFERS MADE FOR THE MONTH OF JULY 2025 AS SUBMITTED BY THE EXECUTIVE DIRECTOR AND ORDERS SAID REPORT RECEIVED AND FILED.

XIV. As to Bills submitted for payment by Long Branch Sewerage Authority for the Month of July 2025

The following Resolution was moved by Mr. Booth, seconded by Mr. Brown, and passed by the affirmative vote of all members present, no nays, two absent, no abstain.

RESOLUTION

BE IT RESOLVED BY THE LONG BRANCH SEWERAGE AUTHORITY IN SESSION AT A REGULAR MEETING THEREOF ON THIS 20TH DAY OF AUGUST 2025 PURSUANT TO NOTICE AT WHICH AT LEAST A QUORUM IS PRESENT, THE LIST OF BILLS FOR THE MONTH OF JULY 2025 ARE FOUND REGULAR AND PAYMENT OF EACH AND ALL, THEREOF IS AUTHORIZED TO BE PAID OUT OF THE REVOLVING FUND, GENERAL FUNDS, REVENUE FUND OR COLLECTION ACCOUNT AS INDICATED ON THE SAID LIST OF BILLS ATTACHED TO THE EXECUTIVE DIRECTOR'S REPORT.

XV. Report, if any, by Investment Committee.

No report from the Investment Committee.

XVI. Old Business.

None

XVII. New Business

None

Mr. Roguski had nothing further to report.

XVIII. Adjournment at 3:48 p.m.

There being no further business, on Motion by Mr. Booth, seconded by Mr. Riley, and passed by the affirmative vote of all members present, no nays, two absent, no abstain, the meeting was adjourned at 3:48 p.m.

Respectfully submitted,

_____
David G. Brown, Secretary

_____
Thomas Roguski, Executive Director

Michael & Eleni Corbosiero
15 Hillcrest Rd
Caldwell, NJ 07006
Phone (973) 239-2855, Fax (973) 239-2444

August 13, 2025

RECEIVED
AUG 21 2025
Certified
L.B. SEWERAGE AUTHORITY

RE: ZB 25-10 / Corbosiero
147 Second Avenue
Long Branch, NJ 07740
Block: 227 Lot: 1.01 Zone: TVD-R

Please be advised: that the above-referenced application (ZB 25-10) is scheduled for a hearing on Monday, September 8, 2025 before the Zoning Board of Adjustment at 7:00 P.M. in the Council Chambers, City Hall, 344 Broadway, Long Branch, NJ 07740.

Michael and Eleni Corbosiero are applying for variance relief from the Long Branch Zoning Board of Adjustment for; side yard set back relief for deck addition where 10' is required and 3.39' is proposed, for a rear yard setback variance relief for a second floor addition where 35' is required and 28.6' is proposed and for lot coverage variance relief where 40 % is required and 52.60% proposed.

PLEASE TAKE FURTHER NOTICE: that you are privileged to be present at said public hearing to present any and all comments you may have to the granting of the approval. The application and supporting documents are on file with the City of Long Branch Office of Planning and Zoning, 344 Broadway, Long Branch , New Jersey and are available for inspection during the City's normal business Hours. In order to review these materials, please contact the Board Secretary at (732) 222-7000 ext 5430

Thank You,

Michael Corbosiero
Eleni Corbosiero

TOM, File

9-1

ANSELL.LAW
ANSELL GRIMM & AARON, PC

1500 LAWRENCE AVENUE
CN7807
OCEAN, NEW JERSEY 07712
732-922-1000
732-922-6161 (FAX)

355 RIFLE CAMP ROAD
WOODLAND PARK, NEW JERSEY 07424
973-247-9000
973-247-9199 (FAX)

214 CARNEGIE CENTER
SUITE 112
PRINCETON, NEW JERSEY 08540
609-751-5551

1177 AVENUE OF THE AMERICAS
5TH FLOOR
NEW YORK, NY 10036
800-569-3886

41 UNIVERSITY DRIVE
SUITE 400
NEWTOWN, PENNSYLVANIA 18940
267-757-8792

website: ansell.law

JAMES G. AARON
ALLISON ANSELL ◇ †
BRIAN E. ANSELL ‡
MITCHELL J. ANSELL
MICHAEL V. BENEDETTO
RICK BRODSKY ♦
DAVID J. BYRNE □
PETER B. GRIMM
ROBERT A. HONECKER, JR. □
JASON S. KLEIN ♦
JENNIFER S. KRIMKO
DONNA L. MAUL ●
MELANIE J. SCROBLE
LAWRENCE H. SHAPIRO ♦ □
DAVID B. ZOLOTOROFE

EDWARD J. AHEARN
BRIAN J. ASHNAULT
KELSEY M. BARBER
NICOLE A. BENIS
ELYSA D. BERGENFELD
KRISTINE M. BERGMAN □
GABRIEL R. BLUM ♦
CATHERINE M. BRENNAN
HILLARY H. BRYCE □
BARRY M. CAPP ♦ Δ
ALFRED M. CASO
KEVIN M. CLARK
ANTHONY J. D'ARTIGLIO ♦
LAYNE A. FELDMAN ♦
THOMAS J. GIRONDA
NICOLE D. MILLER □ ♦
LEIGH T. OLIVER
SETH M. ROSENSTEIN ♦ □
ANTHONY SANGO
COURTNEY R. SAUER

JONATHAN D. SHERMAN
ANTHONY J. STORROW
CAROL J. TRUSS
TARA K. WALSH ♦
ANDREA B. WHITE ♦ ●

COUNSEL
GARY P. EIDELSTEIN ■
ROY W. HIBBERD Δ ∇
HON. ANTHONY J. MELLACI, JR., J.S.C. (RET)
STACEY R. PATTERSON ♦
HON. JOSEPH P. QUINN, J.S.C. (RET)

IN MEMORIAM
LEON ANSCHELEWITZ (1929-1986)
MAX M. BARR (1929-1993)
MILTON M. ABRAMOFF (1935-2004)
DAVID K. ANSELL† (1962-2019)
RICHARD B. ANSELL ‡ (1958-2021)
ROBERT I. ANSELL (1965-2022)
PETER S. FALVO, JR. (1967-2023)

LICENSED ALSO IN:
Δ D.C. ◇ MASS. ♦ N.Y.
□ PENN ∇ CALIF. ■ FL

† FELLOW AMERICAN ACADEMY OF MATRIMONIAL LAWYERS

‡ CERTIFIED BY THE SUPREME COURT OF NEW JERSEY AS A CIVIL TRIAL ATTORNEY

● CERTIFIED BY THE SUPREME COURT OF NEW JERSEY AS A MATRIMONIAL LAW ATTORNEY

RECEIVED
AUG 21 2025
Certified
L.B. SEWERAGE AUTHORITY

Email: jkrimko@ansell.law
Telephone No. 732-922-1000

TOWNSHIP OF OCEAN, MONMOUTH COUNTY

IN THE MATTER OF THE APPLICATION OF SHLOMO DJAMAL, AS TRUSTEE OF THE LISA DJAMAL 2018 IRREVOCABLE TRUST FOR PREMISES KNOWN AS LOT 10 IN BLOCK 11 ON THE OFFICIAL TAX MAP OF THE TOWNSHIP OF OCEAN

NOTICE OF HEARING
Pursuant to N.J.S.A. 40:55D-12

PLEASE TAKE NOTICE that the Planning Board of the Township of Ocean ("Board") will hold a public hearing on Monday, August 25, 2025 at 7:00 p.m. in the Public Meeting Room, First Floor, Municipal Building, 399 Monmouth Road, Oakhurst, New Jersey to consider the application of Shlomo Djamal as Trustee of the Lisa Djamal 2018 Irrevocable Trust ("Applicant") for premises known as Lot 10 in Block 11 as shown on the Official Tax Map of the Township of Ocean and located at 1012 Norwood Avenue, Ocean, New Jersey ("Property").

The Property, which is located in the Township's R-4 Medium Density Single-Family Residential Zone District, is approximately 32,390 square feet in size and contains a 2 story single-family dwelling and related accessory improvements currently under construction. Applicant seeks approval to subdivide the Property into two (2) separate, fully conforming lots to be known as Lot 10.01 and Lot 10.02. The existing home under construction will remain on Lot 10.02. Lot 10.01 will be a

Not LBSA

9-2

vacant building lot. With the exception of the addition of street trees and the removal/replacement of the Norwood Avenue curb for proposed Lot 10.01, no new construction is proposed as part of the subdivision.

Applicant has not identified the need for any variances. However, Applicant expressly makes application for any exceptions, waivers, variances, interpretations and other approvals as reflected on the filed plans (as same may be further amended from time to time without further notice) and as may be determined to be necessary by the Board during the review and processing of the application.

PLEASE TAKE FURTHER NOTICE that you are privileged to be present at said special public hearing to present any and all comments you may have to the granting of said approvals. The hearing may be continued without further notice on such additional or other dates as the Board may determine. The application and supporting documents are on file in the Planning Board office located in the Municipal Building, 399 Monmouth Road, Oakhurst, New Jersey and are available for inspection during the Township's normal business hours. In order to review these materials, please contact the Board Secretary at (732) 531-5000 ext. 3351.

ANSELL GRIMM & AARON, PC
Attorneys for Applicant

JENNIFER S. KRIMKO, ESQ.

August 12, 2025

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

Colliers
Engineering
& Design

August 25, 2025

VIA EMAIL

Robert P. Freud, PE, PP
Dynamic Engineering Consultants, PC
1904 Main Street
Lake Como, New Jersey 07719

North Light, LLC
305 Broadway Ave
Block 268, Lots 1-7, 32 & 33
City of Long Branch, Monmouth County, New Jersey
Colliers Engineering & Design Project No. LBS-0353

Dear Mr. Freud,

Please be advised that at the August 20, 2025 meeting, the Long Branch Sewerage Authority (LBSA) conditionally approved the Proposed Mixed Use Development Application, based upon the following documents:

- LBSA Form A, Application for Conceptual Review;
- Plans entitled, "Preliminary and Final Major Site Plan for North Light, LLC, Proposed Mixed-Use Residential & Retail", signed by Robert P. Freud, P.E. of Dynamic Engineering, dated January 27, 2025 and last revised July 18, 2025;
- Engineer's Report entitled, "Sanitary Sewer & Potable Water Engineer's Report for North Light, LLC, Proposed Mixed-Use Residential & Retail", signed by Robert P. Freud, P.E. of Dynamic Engineering, dated June 2025; and,
- Survey Plans entitled, "ALTA/NSPS Land Title Survey, Block 268, Lots 1-7 & 32 & 33", signed by James D. Sens of Control Point Associates, Inc., dated October 31, 2023 and last revised August 15, 2024;

Approval subject to compliance with the following:

1. An evaluation of the existing sanitary sewer systems' capacity to convey the proposed flow is required at the Applicant's cost. A capacity study of the existing sanitary sewer system conveying the proposed flow is required to be performed, at the Applicant's cost, to confirm capacity of same to convey the proposed flow. Evaluation shall include flow monitoring within the existing

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manhole located within Broadway directly upstream (East) of the Lippincott Avenue and Broadway intersection (adjacent to the project site). A report of the findings and capacity analysis shall be submitted for review. Any improvements necessary to address capacity issues and/or unsatisfactory conditions, to be determined at the sole discretion of the Long Branch Sewerage Authority, shall be performed by the Applicant, at the Applicant's cost. Mapping of the surrounding sewer and location of sewer to be monitored is attached to this letter for the Applicant's reference.

2. Submission of the necessary NJDEP Treatment Works Approval (TWA) forms, for review and approval.

3. Submission of two (2) signed and sealed originals and one (1) PDF of complete final drawings incorporating the following revisions:

   a. Demolition Plan shall be provided, with the following:

      - All existing sanitary sewer connections shall be abandoned and plugged at the point of connection to the main in accordance with the LBSA Rules and Regulations. The Authority Engineer must be present for all lateral abandonment operations. Indicate same directly on the plans.

      - The following note shall be added to the plans: "Contractor/Applicant shall be responsible to locate the existing sanitary sewer laterals and abandon them per LBSA requirements. The LBSA Engineer shall be notified a minimum of forty-eight (48) hours prior to abandonment of operations."

   b. Utility Plan shall be provided, with the following:

      - A grease interceptor or trap shall be provided due to the proposed restaurant. Grease trap shall be installed per LBSA Rules and Regulations Section 7C.15.

      - PVC sewer lateral type (SDR-35, push-on, gasketed joint) shall be noted directly on the plans.

      - The proposed 8" sanitary lateral shall include one cleanout at the building and one manhole at the property line behind the sidewalk.

      - Cleanout and manhole rim and invert elevations shall be indicated directly on the plans.

      - Rim elevation of the proposed doghouse manhole shall be indicated directly on the plans.

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- Flow velocity within the 8" lateral exceeds 10 ft/sec. The slope of the lateral shall be revised to decrease flow velocity within the pipe to below 10 ft/sec.

- The following Utility Notes shall be provided:

  - The contractor shall perform test pits to verify existing utility depths, sizes and locations prior to connecting the proposed sanitary sewer lateral to the existing sanitary sewer. The Contractor shall notify the Engineer in writing of any conflicts so that design modifications can be made;

  - Sanitary Sewer lateral minimum cover shall be three (3') feet. If a minimum cover of three (3') cannot be provided, ductile iron pipe (Class 52) shall be provided. Cover of less than two and one-half (2.5') feet shall not be permitted;

  - Any Damage caused to the Long Branch Sewerage Authority sanitary sewer system as a result of construction activities, as solely determined by the Long Branch Sewerage Authority, shall be repaired by the Contractor/Applicant, at the Contractor's/Applicant's cost, to the satisfaction of the Authority;

  - All work shall be performed in accordance with Long Branch Sewerage Authority Rules and Regulations and Standard Details;

  - Prior to acceptance, the sanitary sewer facilities shall be tested in accordance with Long Branch Sewerage Authority Rules and Regulations and witnessed and approved by the Authority; and,

  - Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to Long Branch Sewerage Authority for review and approval.

c. Construction Details sheet shall be provided, with the following:

- All details shall be standard Long Branch Sewerage Authority details. The following LBSA standard Details shall be included:
  - Trench and Pavement Repair Detail
  - Standard Precast Manhole Detail
  - Doghouse Manhole Detail
  - Standard or Watertight Sanitary Manhole Frame & Cover Detail
  - Manhole Chute Detail
  - Standard PVC Pipe Bedding Detail
  - Standard Cleanout Detail
  - Cleanout Protection Box Detail
  - A copy of LBSA standard details can be provided upon request.

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4. Submission of two (2) signed and sealed originals and one (1) PDF of the Engineer's Report incorporating the following revisions:

    - The Average Daily Flow provided in the Sanitary Sewer Pipe Design (Section 4) table is incorrect. Revise ADF to match the calculated ADF of 18,425 GPD.
    - Flow velocity calculations of the 8" lateral when flowing half full shall be included. Pipe velocities shall not exceed 10 ft/sec.
    - Include LBSA standard Specification Sections 7, 8, 9, 10, and 11
    - Include Construction Cost Estimate. Estimate shall include inspection fees of 10% or minimum $1,000, as-built fee of 2%, and contingency of 10%.

5. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Architectural Plans.

6. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Plumbing Plans. Plumbing Plans must comply with Section 7A.6 "Elevation of Sanitary Fixtures" of the LBSA Rules and Regulations.

7. Submission of a copy of the City of Long Branch Planning Board Resolution of Approval.

8. The Applicant's compliance with any additional revisions/comments that may be required upon review of submittal and/or resubmittal documents.

9. Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to LBSA for review and approval.

10. Submission of a Performance Bond or Letter of Credit in the amount of 120% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Performance Bond be submitted prior to the start of construction.

11. Submission of Engineering Inspection Fees in the amount 10% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Engineering Inspection Fees be submitted prior to the start of construction.

12. Submission of Connection Fees in the amount of $496,548.00, based upon a total of 78 residential units, 2,000 sf of retail, and 105 seat restaurant, as calculated below:

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Retail space: 2,000 sf of retail x 0.10 gpd/sf = 200 gpd

Restaurant: 105 seats x 35 gpd/seat = 3,675 gpd

Total gallons per day: 3,875 gpd

3,875 gpd at the current rate of $29.46/gpd = $114,157.50

78 proposed units at the current rate of $6,366.00 per unit = $496,548.00

Total Connection Fee =$114,157.50 + $496,548.00 = $610,705.50

Payment of 50% of the Connection Fees is required prior to the issuance of a Building Permit for each building, and the remaining 50% of the Connection Fees prior to the issuance of a Certificate of Occupancy for the building.

The Applicant is advised that the Connection Fee due is based upon the Connection Fee Rate in effect at the time of payment and is subject to change accordingly.

13. Per LBSA Rules and Regulations 8.5 Performance Guarantee and Insurance, Subsection (f), the Applicant shall provide sign-off as follows:

    The Applicant shall agree to indemnify and save harmless the LBSA, its officers, Engineers, agents and servants from and against any loss, resulting from negligence or the fault of the applicant in the case of work covered by the application. Further, the Applicant shall also indemnify and save harmless the LBSA (including costs of providing a defense) against any damage done to other utilities arising out of the applicant's operation, and name LBSA as an additional insured on their general liability policy.

14. Two (2) weeks prior to the anticipated start of construction, notification shall be provided to LBSA to allow for the scheduling of a pre-construction meeting.

15. Shop drawings for all materials must be submitted to LBSA for approval prior to installation.

16. The operation and maintenance of the sanitary sewer lateral, exclusively serving the North Light, LLC Mixed-Use Residential and Retail Development, shall be the responsibility of the property owner(s).

17. Even though operation and maintenance of the sanitary sewer lateral, exclusively serving the North Light, LLC Mixed-Use Residential and Retail Development will be the responsibility of the property owner(s) after the facilities have been constructed, the Applicant is required to install the on-site sanitary sewer facilities in accordance with LBSA Standards.

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& Design

Should you have any questions or require additional information, please do not hesitate to contact me directly.

Sincerely,

Colliers Engineering & Design
(DBA Maser Consulting)

John McKelvey, P.E.
Senior Project Manger

JJM/DJI

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

Colliers
Engineering & Design

RECEIVED
AUG 27 2025
L.B. SEWERAGE AUTH

August 25, 2025 **(REVISED 8/27/25)**

VIA EMAIL

Eric R. Ballou, P.E.
InSite Engineering, LLC
1955 Route 34, Suite 1A
Wall, New Jersey 07719

PV Condo, LLC
Wave Condominium
36 Morris Ave
Block 218, Lot 4.01
City of Long Branch, Monmouth County, New Jersey
Colliers Engineering & Design Project No. LBS-0354

Dear Mr. Ballou,

Please be advised that at the August 20, 2025 meeting, the Long Branch Sewerage Authority (LBSA) conditionally approved the Proposed Condominium Development Application, based upon the following documents:

- LBSA Form A, Application for Conceptual Review;
- Plan sheets C500 Utility Plan, C501 Public Utility Plan, and C803 Construction details from the Plans entitled, "Preliminary and Final Major Site Plan for Wave Condominium", signed by Eric R. Ballou, P.E. of In-Site Engineering, dated January 16, 2025 and last revised July 1, 2025;
- Engineer's Report entitled, "Sanitary Sewer Report & Technical Specifications", signed by Eric R. Ballou, P.E. of In-Site Engineering, dated July 8, 2025;
- Construction Cost Estimate entitled, "Engineer's Estimate: Site Infrastructure", dated July 8, 2025;
- TWA-1 Permit Application, WQM-003 Statement of Consent, and WQM-006 Engineer's Report Forms; and,
- Long Branch Planning Board Resolution of Approval.

Approval subject to compliance with the following:

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1. Submission of two (2) signed and sealed originals and one (1) PDF of complete final drawings incorporating the following revisions:

   a. Utility Plan shall be provided, with the following:

   - PVC sewer lateral type (SDR-35, push-on, gasketed joint) shall be noted directly on the plans.
   - All 8" sanitary laterals shall have a cleanout located at the building, and a manhole located at the property line.
   - Rim and invert elevations for all proposed cleanouts and manholes shall be indicated directly on the plans.
   - The Applicant is advised of existing 8" PVC stubs connected to the existing manholes proposed to be tied into. Applicant shall verify existing pipes are stubs, and revise plans to connect to the existing manholes at the stub inverts. If existing pipes are found to be laterals, the Applicant shall abandon the laterals according to LBSA requirements.
   - The following Utility Notes shall be provided:
     - The contractor shall perform test pits to verify existing utility depths, sizes and locations prior to connecting the proposed sanitary sewer lateral to the existing sanitary sewer. The Contractor shall notify the Engineer in writing of any conflicts so that design modifications can be made;
     - Sanitary Sewer lateral minimum cover shall be three (3') feet. If a minimum cover of three (3') cannot be provided, ductile iron pipe (Class 52) shall be provided. Cover of less than two and one-half (2.5') feet shall not be permitted;
     - Any Damage caused to the Long Branch Sewerage Authority sanitary sewer system as a result of construction activities, as solely determined by the Long Branch Sewerage Authority, shall be repaired by the Contractor/Applicant, at the Contractor's/Applicant's cost, to the satisfaction of the Authority;
     - All work shall be performed in accordance with Long Branch Sewerage Authority Rules and Regulations and Standard Details;
     - Prior to acceptance, the sanitary sewer facilities shall be tested in accordance with Long Branch Sewerage Authority Rules and Regulations and witnessed and approved by the Authority; and,

Colliers Engineering & Design

- Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to Long Branch Sewerage Authority for review and approval

b. Construction Details shall be provided, with the following:

- All details shall be standard Long Branch Sewerage Authority details. The following LBSA standard Details shall be included:
  - Standard Precast Manhole Detail
  - Manhole Chute Detail
  - Trench and Pavement Repair Detail
  - Cleanout Protection Box Detail
  - Standard PVC Pipe Bedding Detail
  - A copy of LBSA standard details can be provided upon request.

2. Submission of two (2) signed and sealed originals and one (1) PDF of the Engineer's Report incorporating the following revisions:

- The Report shall be revised to include calculations of the average daily flow to be generated by the proposed development.

- LBSA Standard Specification section 8 shall be included.

3. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Construction Cost Estimate incorporating the following revisions:

- Estimate shall include inspection fees of 10% or minimum $1,000, as-built fee of 2%, and contingency of 10%.

- Estimate shall be revised to reflect the above requested changes.

4. Submission of one (1) hard copy and one (1) PDF copy of the NJDEP TWA forms incorporating the following revisions:

- There shall be two separate TWA-1 and WQM-006 forms for On-site in which the Applicant shall be the owner, and Off-site in which LBSA shall be the owner. On-site forms shall include the proposed sewer from the building to the proposed manhole at the property line and shall be owned and maintained by the Applicant. Off-site forms shall include the proposed sewer from the proposed manhole at the property line to the connection to the existing sanitary system in Morris Avenue, which Long Branch Sewerage Authority shall be the Applicant/owner.

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- The Pipe Capacity for 8" sewer pipe shall be revised. Capacity (at half full) for an 8" pipe at 2% and 0.5% slope should be approximately 0.718MGD and 0.359MGD respectively.

5. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Architectural Plans.

6. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Plumbing Plans. Plumbing Plans must comply with Section 7A.6 "Elevation of Sanitary Fixtures" of the LBSA Rules and Regulations.

7. The Applicant's compliance with any additional revisions/comments that may be required upon review of submittal and/or resubmittal documents.

8. Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to LBSA for review and approval.

9. Submission of a Performance Bond or Letter of Credit in the amount of 120% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Performance Bond be submitted prior to the start of construction.

10. Submission of Engineering Inspection Fees in the amount 10% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Engineering Inspection Fees be submitted prior to the start of construction.

11. Submission of Connection Fees in the amount of $197,346.00, based upon a total of 46 residential units, as calculated below:

    46 proposed units – 15 existing units at the current rate of $6,366.00 per unit = $197,346.00

    Total Connection Fee =$197,346.00

    Payment of 50% of the Connection Fees is required prior to the issuance of a Building Permit for each building, and the remaining 50% of the Connection Fees prior to the issuance of a Certificate of Occupancy for the building.

    The Applicant is advised that the Connection Fee due is based upon the Connection Fee Rate in effect at the time of payment and is subject to change accordingly.

    The Applicant is also advised that the Connection Fee is subject to change pending confirmation of estimated flows and number of units.

12. Per LBSA Rules and Regulations 8.5 Performance Guarantee and Insurance, Subsection (f), the Applicant shall provide sign-off as follows:

Colliers
Engineering & Design

The Applicant shall agree to indemnify and save harmless the LBSA, its officers, Engineers, agents and servants from and against any loss, resulting from negligence or the fault of the applicant in the case of work covered by the application. Further, the Applicant shall also indemnify and save harmless the LBSA (including costs of providing a defense) against any damage done to other utilities arising out of the applicant's operation, and name LBSA as an additional insured on their general liability policy.

13. Two (2) weeks prior to the anticipated start of construction, notification shall be provided to LBSA to allow for the scheduling of a pre-construction meeting.

14. Shop drawings for all materials must be submitted to LBSA for approval prior to installation.

15. The operation and maintenance of the sanitary sewer lateral, exclusively serving the Wave Condominium Development, shall be the responsibility of the property owner(s).

16. Even though operation and maintenance of the sanitary sewer lateral, exclusively serving the Wave Condominium Development will be the responsibility of the property owner(s) after the facilities have been constructed, the Applicant is required to install the on-site sanitary sewer facilities in accordance with LBSA Standards.

Should you have any questions or require additional information, please do not hesitate to contact me directly.

Sincerely,

Colliers Engineering & Design
(DBA Maser Consulting)

John McKelvey, P.E.
Senior Project Manger

JJM/DJI

CITY OF LONG BRANCH
ZONING BOARD OF ADJUSTMENT
PUBLIC NOTICE

August 22, 2025

RECEIVED
CERTIFIED
AUG 25 2025
L.B. SEWERAGE AUTH

RE: **107 Matilda Terrace**
Long Branch, New Jersey 07740
BLOCK: 147 LOT: 11.01
ZONE: R-4

TO WHOM IT MAY CONCERN:

PLEASE TAKE NOTICE that pursuant to *N.J.S.A.* 40:55D-12 of the *New Jersey Municipal Land Use Law* ("MLUL") that on Monday October 6, 2025 at 7:00 P.M. at the City of Long Branch City Hall, located at 344 Broadway, second floor (*Council Chambers), that a public hearing has been scheduled for an application from the owner of the above referenced property who shall personally appear before the City of Long Branch Zoning Board of Adjustment and then and there shall make formal application and proceed with such formal application for a Use Variance approving and permitting the above referenced property to be converted from a single family unit to a two-family unit. The above property is located in the R-4 Zone, and according to *City of Long Branch Zoning Ordinance* Section 345-23, multi-family dwellings are not a permitted use within the R-4 Zoning District. As such the property owner / applicant will be seeking a use variance and any other necessary associated or related relief such as any other variances or waivers which the Zoning Board of Adjustment deems necessary to lawfully convert the above property to a two-family unit.

You may appeal in person, or by an attorney and present any objections you may have to the granting of this Use Variance or other related and necessary relief and to present any evidence relating thereto. The application and all proposed exhibits are on file with the Zoning Board Clerk and are available for inspection at regular business hours.

This Public Notice is served upon you by the Applicant by direction of the Zoning Board of Adjustment pursuant to statute.

Joseph F. Ferraina
Joseph Ferraina
107 Matilda Terrace
Long Branch, New Jersey 07740

TOM, FILE

9-5

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

Colliers
Engineering & Design

RECEIVED
AUG 27 2025
L.B. SEWERAGE AUTH

August 25, 2025 **(REVISED 8/27/25)**

VIA EMAIL

Brent N. Papi, Jr., P.E., C.M.E.
East Point Engineering, LLC
11 South Main Street
Marlboro, New Jersey 07746

Morris Ave Commons, LLC
400 Morris Ave
Block 230, Lots 13 & 14 (New Lot 13.01)
City of Long Branch, Monmouth County, New Jersey
Colliers Engineering & Design Project No. LBS-0355

Dear Mr. Papi,

Please be advised that at the August 20, 2025 meeting, the Long Branch Sewerage Authority (LBSA) conditionally approved the Proposed Development Application, based upon the following documents:

- LBSA Form A, Application for Conceptual Review;
- Plans entitled, "Preliminary and Final Major Site Plan for 400 Morris Avenue, Block 230, Lots 13 & 14", signed by Brent N. Papi, Jr., P.E. of East Point Engineering, dated October 20, 2024, and last revised December 18, 2024;
- Engineer's Sewer Report, dated June 30, 2025; and,
- Architectural Plans entitled "Addition/Alteration for Morris Avenue Commons", signed by James J. Monteforte, AIA of Monteforte Architectural Studio, dated June 6, 2024;

Approval subject to compliance with the following:

1. An evaluation of the existing sanitary sewer systems' condition is required at the Applicant's cost. The existing sanitary sewer shall be inspected via closed-circuit television (CCTV) inspection from the manhole upstream of the proposed connection point to the manhole located within the intersection of Chelsea Ave and 7th Ave. A location map indicating the area requiring inspection is attached. Any improvements necessary to address capacity issues and/or unsatisfactory conditions, to be determined at the sole discretion of the Long Branch Sewerage Authority, shall be performed by the Applicant, at the Applicant's cost.

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2. Submission of two (2) signed and sealed originals and one (1) PDF of complete final drawings incorporating the following revisions:

   a. Existing Conditions Plan shall be provided, with the following:

      - Existing property lateral location, size, material and point of connection to main shall be shown directly on the plan for the existing structure. The existing sanitary sewer connection shall be abandoned and plugged at the point of connection to the main in accordance with the LBSA Rules and Regulations. The Authority Engineer must be present for all lateral abandonment operations. Indicate same directly on the plans.

      - The following note shall be added to the plans: "Contractor/Applicant shall be responsible to locate the existing sanitary sewer laterals and abandon them per LBSA requirements. The LBSA Engineer shall be notified a minimum of forty-eight (48) hours prior to abandonment of operations."

   b. Utility Plan shall be provided, with the following:

      - A new lateral to service the building shall be installed. The proposed lateral shall be 4" PVC sewer (SDR-35, push-on, gasketed joint). The same shall be noted directly on the plans.

      - The following Utility Notes shall be provided:

        - Any Damage caused to the Long Branch Sewerage Authority sanitary sewer system as a result of construction activities, as solely determined by the Long Branch Sewerage Authority, shall be repaired by the Contractor/Applicant, at the Contractor's/Applicant's cost, to the satisfaction of the Authority;

        - All work shall be performed in accordance with Long Branch Sewerage Authority Rules and Regulations and Standard Details;

        - Prior to acceptance, the sanitary sewer facilities shall be tested in accordance with Long Branch Sewerage Authority Rules and Regulations and witnessed and approved by the Authority; and,

        - Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to Long Branch Sewerage Authority for review and approval

3. Submission of two (2) signed and sealed originals and one (1) PDF of the Engineer's Report incorporating the following revisions:

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- The Report shall include calculations for the existing sewer demand of the current site.
- LBSA Standard Specification sections 7, 8, 9, 10, and 11 shall be included.

4. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Construction Cost Estimate.

5. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Plumbing Plans. Plumbing Plans must comply with Section 7A.6 "Elevation of Sanitary Fixtures" of the LBSA Rules and Regulations.

6. The Applicant's compliance with any additional revisions/comments that may be required upon review of submittal and/or resubmittal documents.

7. Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to LBSA for review and approval.

8. Submission of a Performance Bond or Letter of Credit in the amount of 120% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Performance Bond be submitted prior to the start of construction.

9. Submission of Engineering Inspection Fees in the amount 10% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Engineering Inspection Fees be submitted prior to the start of construction.

10. Submission of Connection Fees in the amount of $31,830.00, based upon a total of 8 residential units, as calculated below:

    8 proposed units – 3 existing units at the current rate of $6,366.00 per unit = $31,830.00

    Total Connection Fee =$31,830.00

    Payment of 50% of the Connection Fees is required prior to the issuance of a Building Permit for each building, and the remaining 50% of the Connection Fees prior to the issuance of a Certificate of Occupancy for the building.

    The Applicant is advised that the Connection Fee due is based upon the Connection Fee Rate in effect at the time of payment and is subject to change accordingly.

    The Applicant is also advised that the Connection Fee is subject to change pending confirmation of estimated flows and number of units.

Colliers
Engineering & Design

11. Per LBSA Rules and Regulations 8.5 Performance Guarantee and Insurance, Subsection (f), the Applicant shall provide sign-off as follows:

    The Applicant shall agree to indemnify and save harmless the LBSA, its officers, Engineers, agents and servants from and against any loss, resulting from negligence or the fault of the applicant in the case of work covered by the application. Further, the Applicant shall also indemnify and save harmless the LBSA (including costs of providing a defense) against any damage done to other utilities arising out of the applicant's operation, and name LBSA as an additional insured on their general liability policy.

12. Two (2) weeks prior to the anticipated start of construction, notification shall be provided to LBSA to allow for the scheduling of a pre-construction meeting.

13. Shop drawings for all materials must be submitted to LBSA for approval prior to installation.

14. The operation and maintenance of the sanitary sewer lateral, exclusively serving the 400 Morris Avenue Development, shall be the responsibility of the property owner(s).

15. Even though operation and maintenance of the sanitary sewer lateral, exclusively serving the 400 Morris Avenue Development will be the responsibility of the property owner(s) after the facilities have been constructed, the Applicant is required to install the on-site sanitary sewer facilities in accordance with LBSA Standards.

Should you have any questions or require additional information, please do not hesitate to contact me directly.

Sincerely,

Colliers Engineering & Design
(DBA Maser Consulting)

John McKelvey, P.E.
Senior Project Manger

JJM/DJI


Extents of CCTV: From Manhole upstream of proposed tie in location to manhole located at Chelsea Ave and 7th Ave intersection
Morris Ave
Project Location
BROADWAY
CHELSEA AVE
UNKNOWN
DIVISION ST
PROSPECT ST

KRENKEL & KRENKEL, LLC

ATTORNEYS AT LAW
107 MAIN STREET SUITE 1, ALLENHURST, NEW JERSEY 07711
TELEPHONE: (732) 531-9300
FACSIMILE: (732) 531-9317

DAVID A. KRENKEL, ESQ
LISA C. KRENKEL, ESQ
OF COUNSEL
LINDA KENNEY BADEN, ESQ.
DIRECT DIAL: (732) 200-2836
ADMITTED NEW JERSEY, US SUP. CT. D.C CIR AND NEW YORK
DIRECT MAIL ADDRESS FOR MS. KENNEY BADEN:
15 WEST 53RD STREET NEW YORK, NY 10019

EMAIL: David.krenkel@krenkellaw.com
EMAIL: Lisa@Krenkellaw.com
EMAIL: kenneybaden@mac.com

RECEIVED
CERTIFIED
AUG 25 2025

L.B. SEWERAGE AUTH

August 21, 2025

Notice to Property Owners within 200 feet of
161 Wardell Place, Long Branch

NOTICE OF HEARING

IN THE MATTER OF THE APPLICATION OF WARDELL DEVELOPERS, LLC FOR PREMISES KNOWN AS BLOCK 161, LOT 26 (161 WARDELL PLACE) ON THE OFFICIAL TAX MAP OF THE CITY OF LONG BRANCH

PLEASE TAKE NOTICE that the Zoning Board of Adjustment of the City of Long Branch will hold a public hearing on, Monday, **September 8, 2025 at 7:00 p.m.** to consider the application of Wardell Developers, LLC for the premises known as Block 161, Lot 26, located at 161 Wardell Place, Long Branch, New Jersey.

Application materials will be on file and available for viewing no less than 10 days in advance of the meeting for which a particular application is scheduled.

For those needing to view paper copies of the application materials, they will be available at the Planning & Zoning Office located at the Long Branch Municipal Complex, 344 Broadway, Long Branch, New Jersey 07740, between the hours of 8:30 a.m. and 4:30 p.m., Monday through Friday, with the exception of legal holidays where City Hall is closed.

Application:
The property is located in the R-4 (One Family Residential) Zone. Applicant seeks to build on a vacant lot and to construct a two and a half story residential single-family home with related site improvements. The proposal is for a 4 bedroom, 3-bathroom home. Applicant seeks bulk variance relief to permit minimum lot area of 4,831 sq. ft. whereas 5,760 sq. ft. is required for this zone. Also seeking to exceed front yard coverage by allowing 24.8% coverage whereas 20% is allowed.

Applicants also expressly make application for any additional exceptions, interpretations, waivers, variances and other approvals as reflected on the filed plans as same may be further amended from time

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to time without further notice and as may be determined to be necessary by the Board or its professionals during the review and processing of the application.

PLEASE TAKE FURTHER NOTICE that you may attend this hearing to present any and all comments you may have to the granting of said approvals. The hearing may be continued without further notice on such additional or other dates as the board may determine. The application and supporting documents are on file with the city of Long Branch Office of Planning and Zoning, 344 Broadway, Long Branch, New Jersey and are available for inspection as outlined above.

David Krenkel, Esq
Attorney for Applicant

PROPOSAL

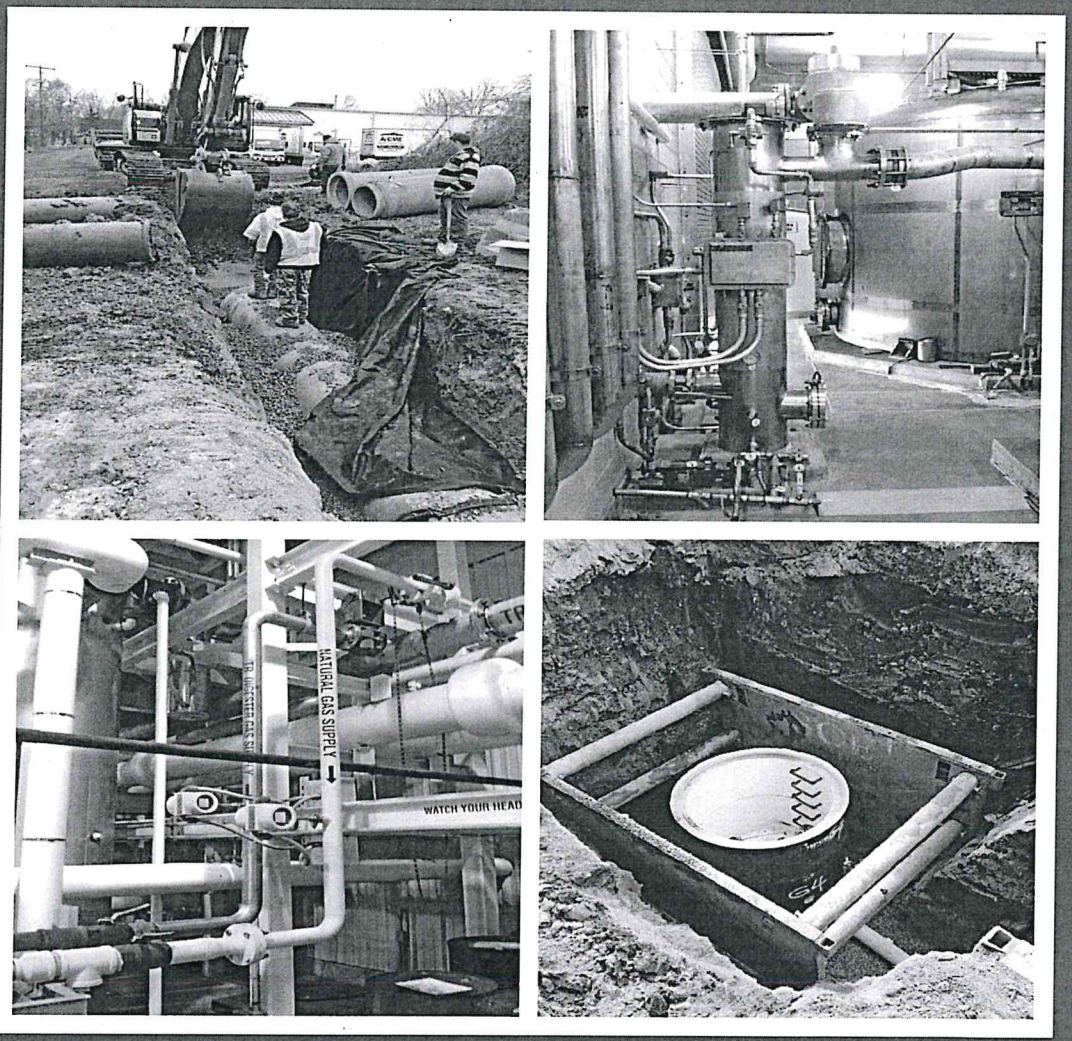
LBSA
LONG BRANCH SEWERAGE AUTHORITY

SUBMITTED TO:

LONG BRANCH SEWERAGE AUTHORITY
150 JOLINE AVENUE
LONG BRANCH, NEW JERSEY 07740

SEPTEMBER 9, 2025

Collection System and Wastewater Treatment Plant Upgrades



RECEIVED
SEP 9 2025
L.B. SEWERAGE AUTHORITY

SUBMITTED BY:

CME ASSOCIATES
1 TOWER CENTER
20TH FLOOR
EAST BRUNSWICK, NJ 08816

TOM

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Consulting & Municipal ENGINEERS

1 Tower Center
20th Floor
East Brunswick, NJ 08816
732.951.2101
732.951.2106
www.cmeusa1.com

September 9, 2025

Thomas Roguski, PE, CME, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
Long Branch, NJ 07740-0702

Re: Proposal for Professional Services
Wastewater Treatment Plant and Collection System
Our File No. 115.LB2025A.P00

Dear Mr. Roguski:

In response to your request for a proposal, we wish to thank you for considering CME Associates for the above captioned project. CME has significant experience with the evaluation and design of Wastewater Treatment Facilities. Our office has been working with the Township of Ocean Sewerage Authority since 2006 making us familiar with conditions in the Monmouth County area and to be encountered during the Long Branch Sewerage Authority's (Authority) Project. In addition, we have been the engineer for the Joint Meeting of Essex & Union Counties since 1996. During this time, we have provided professional services for the upgrade of three 95 ft. diameter digesters with floating covers including digester cleaning, concrete repairs, gas mixing systems, piping, valves, heat exchangers and associated equipment. We have also provided professional services to convert an existing 95 ft. diameter sludge storage tank to a digester with a floating steel cover including sludge removal, a gas mixing system, piping, valves, heat exchanger and associated equipment. Each of these Projects were funded by the New Jersey Infrastructure Bank.

As discussed during the on-site preproposal meeting, we understand the Project will generally consist of upgrading the existing Digester Facility including digester covers, evaluate all existing related equipment including replacement or modification and maintenance of SCADA controls. Since the condition of the interior of the digester tanks will not be known until during construction, bid items for corrective action will be included

in the specifications. Gas and sludge piping, valves and heat exchangers will be specified for replacement as noted during the site visit.

Replacement of the Emergency Effluent pumps, motors, pipe and valves located within the Emergency Pump Station Chamber and the pump controls and VFDs for the Emergency Effluent Pumps located at grade will be included as requested. Pump capacity will be evaluated by reviewing information provided by the Authority to determine whether additional capacity is required. A new permanent bypass chamber will be added to the force main. Quick disconnects for emergency bypass piping will be included for operator convenience.

Replacement and upgrades to sanitary sewers, manholes and laterals for Sixth Avenue, Slocum Place, West End Avenue and Westwood Avenue will be prepared as a separate Project considering the various disciplines required for construction.

PHASE I – SURVEY PHASE SERVICES

We anticipate performing the required topographical survey for the wastewater treatment plant upgrades and collection system replacement. We anticipate this task will consist of the following survey and base mapping as required to supplement available information:

- The basis of the horizontal and vertical control shall be the Horizontal Datum of NAD 1983 and Vertical Datum of NAVD 1988, U.S. Survey foot. GPS methodology will be used to establish horizontal control. Vertical control shall be established by three-wire differential leveling.

- Verify existing manhole locations and elevations relative to the aforementioned datums.

- Depth of pipe inverts and pipe sizes will be recorded.

- Preparation of a "Record Drawing" will be limited to those utility features, rim, invert and pipe size, within the area of study and shall not include underground improvements that are not visible at grade.

- Plan will be drafted at a scale of 1" 30' or other suitable scale as determined by the project engineer.

- Topographic information and/or locations of existing visible improvements immediately adjacent to the existing sewer line will not be located.

- Investigation and/or research into private property or public right-of-way lines in the immediate vicinity of the existing improvements shall not be performed under this proposal. A boundary and/or right-of-way survey shall not be performed under this proposal.

- The preparation of fee or easement acquisition sketches or descriptions is excluded under this proposal.

- CME Associates represent that we are neither qualified nor do we accept the responsibility to identify and/or locate unwritten easements, subsurface improvements, underground storage facilities and/or hardware, and/or hazardous materials on or about this site.

PHASE II – DESIGN PHASE SERVICES

Accordingly, CME Associates is pleased to present this proposal, to prepare the design documents for soliciting bids to upgrade the Digester Facility, the Effluent Pumping Station and Collection System as follows:

With regard to the design phase of the project, we anticipate meeting with representatives of the Authority prior to commencing the design phase in order to review the project schedule, detailed scope and other preliminary items regarding the design of the upgrades.

The design phase of the project will also include the following:

- Selection of upgraded equipment for the Digester Covers and gas handling equipment and provide design details;
- Selection of replacement valves, piping, fittings and sludge heat exchangers and provide design details;
- Prepare specifications for the cleaning of the Digesters;

- Selection of new Effluent Pumps, piping and valves located in the Effluent Pump Station Chamber and controls and VFDs located at grade and provide design details;
- Provide details for a by-pass chamber on the existing emergency effluent force main;
- Provide details for demolition;
- Provide details for repairs to existing concrete and piping inside the digesters where necessary. Contingency items will be included in the bid items for these repairs;
- Provide details to replace electrical equipment;
- Provide site work details as may be required for all upgraded equipment and facilities;
- Prepare plans and profiles for the proposed upgrades to the existing sanitary sewer along Sixth Avenue, Slocum Place, West End Avenue and Westwood Avenue.

PHASE III - NEW JERSEY INFRASTRUCTURE BANK

This phase of the project consists of preparation of the Planning Document and loan application, submittal of plans and specifications to the NJ I-Bank and subsequent efforts related to obtaining funding for the improvements through the New Jersey I-Bank Program. The work generally consists of responding to NJDEP comments regarding the Planning Document, plans and specification submissions and various engineering related reports and applications required to obtain the low interest funding.

However, since the level of effort necessary to respond to the NJDEP comments and requests for additional information related to said loan is indeterminate at this time, we anticipate performing these services based upon our hourly rates and the actual time to perform said services. Accordingly, we have included a budgetary amount for this effort in our proposal. We will not exceed this amount without authorization from the Authority.

PHASE IV – PERMIT ACQUISITION

Concerning the permit acquisition phase of the project, we anticipate submitting a complete application for the permits outlined below and our scope of services will include one (1) plan revision to comply with the review agency comments. It is anticipated that

all permit fees will be paid directly by the Authority. Applications for permits other than those listed below are excluded from our scope.

Task 1 – NJDEP Division of Water Quality – Treatment Works Approval Permit

We anticipate obtaining the approval from the NJDEP Division of Water Quality for the replacement of the Effluent Pump Station Pumps. The work includes the preparation of a design report to respond to NJDEP criteria including necessary calculations and other pumping station design related information.

Task 2 – Soil Erosion and Sediment Control Plan Certification

We anticipate obtaining the required Soil Erosion and Sediment Control Plan Certification from the Freehold Soil Conservation District in accordance with the above scope of services.

PHASE V - BID PHASE SERVICES

We anticipate performing separate bid phase services for the Wastewater Treatment Plant Upgrades Project and the Collection System Upgrades Project. Concerning the bidding phase services for the projects, we understand the scope of these services to include the following:

- Preparation of the Bid Package for advertising;
- Coordination for the publishing of the advertisement;
- Coordination and administering of the pre-bid meeting and site walk-through as required;
- Coordination with prospective bidders for requests for information during the bid period;
- Preparation and issuance of any addenda or clarifications as required;
- Attendance at the bid opening;
- Tabulation and analysis of bids received;
- Preparation of a report recommending award of the project;
- Preparation of formal Contract Documents for award of the Contract.

PHASE VI - CONSTRUCTION PHASE OFFICE SERVICES

Concerning the construction phase office services for the project, we understand the scope of these services to include the following:

- Provide general communication with owner and Contractor throughout the duration of construction regarding such issues as progress, submittal status, construction issues and their resolution;
- Provide communication and correspondence with the NJDEP;
- Maintain project files as required for periodic inspection by the NJDEP;
- Conduct pre-construction meeting, establish agenda, issue notice to proceed;
- Review and approve Progress Schedule, Schedule of Submittals, Schedule of Values required to be submitted by the contractor;
- Review shop drawings and other submittals as required to evaluate that the proposed materials and equipment conform to the contract documents;
- Review laboratory, shop and mill test reports of materials and equipment;
- Prepare monthly progress reports;
- Prepare record drawings at the completion of the project;
- If required by the NJDEP during the first year of operation, direct the operation of the treatment works, revising the O&M Manual to reflect actual operating problems and experience, advising the owner as to whether the treatment works is meeting the project performance standards, certifying project performance standards after one year of operation of the treatment works and undertake corrective actions, if the applicant fails to achieve compliance with the project performance standards.

CONSTRUCTION PHASE INSPECTION/OBSERVATION FIELD SERVICES

Concerning the construction phase office services for the project, we understand the scope of these services to include the following:

- Provide full time construction inspection/observation services during periods when the contractor is on site to monitor the contractor's progress and compliance with the contract drawings and specifications, including the contractor's environmental protection and restoration measures;
- Conduct a weekly construction meeting with the Contractor and owner to discuss scheduled activities;
- Prepare daily inspection reports;
- Review monthly payment requests including the final payment requests;

- Participate in the review and evaluation of potential change orders, including detailed review of cost proposals;
- Participate in the resolution of issues involving unforeseen field conditions;
- Witness testing and startup of equipment and systems;
- Coordinate vendor training;
- Prepare punchlist of remaining work items;
- Evaluate substantial and final completion and issue certificates of substantial or final completion as appropriate;
- One year after initiation of operation, the recipient shall certify to the Department the performance record of the project;
- If warranted by the scope of the project, environmental inspectors(s) will be employed to ensure the requirements of the specifications relating to the environmental and cultural resource protection and restoration are effectively carried out.

PROJECT TEAM

CME Associates has assembled a multidisciplinary Team of Professionals with extensive experience in the planning, design, and rehabilitation of wastewater collection systems, pumping facilities, and wastewater treatment plants. The Team brings a blend of leadership, technical expertise, and field experience, supported by decades of successful Project delivery for municipalities and regional authorities across New Jersey.

Our approach emphasizes:

- Strong Project Management and consistent Client communication.
- Integration of civil, structural, electrical, I&C, and process engineering.
- Practical, constructible solutions with a focus on resiliency and long-term performance.
- Proactive coordination with regulatory agencies and funding programs (NJDEP/NJIB).

Key Project Team Members

Keith Chiaravallo, PE, CME – Sr. Vice President – Water/Wastewater

Mr. Chiaravallo provides executive oversight and strategic guidance. With over 30 years of engineering, Project design, and management experience, Keith Chiaravallo leads the Water/Wastewater Department. He has extensive expertise in wastewater Projects, including evaluations, permitting, design, and construction phase services. Mr. Chiaravallo's experience spans Planning Services (including but not limited to master planning, asset management planning, capital planning, and utility management), wastewater treatment, collection, and pumping facilities, making him well-suited for leading complex Projects.

Michael Dziubeck, PE – Director, Water/Wastewater

Mr. Dziubeck will serve as the primary day-to-day contact, responsible for Project coordination, scheduling, and delivery. He has 20 years of experience managing wastewater system Projects, balancing technical design with operational and regulatory considerations.

Dan Girardi – Project Manager

Mr. Girardi brings hands-on experience in the design and rehabilitation of wastewater treatment plants, wastewater collection and pumping facilities. He specializes in wastewater treatment plant upgrades, pump station hydraulics, wet well and force main design, and integration of mechanical and electrical systems into constructible, resilient solutions.

Henry Johnsen, PE – QA/QC

Mr. Johnsen brings over 60 years of wastewater experience including the design of many of the wastewater treatment plants located in Monmouth County. Mr. Johnsen's experience with Clients such as the Joint Meeting of Essex and Union Counties is valuable during the review of the Contract Documents. The QA/QC review minimizes changes during construction and reduces overall Project costs.

Nelson Hernandez, PE, LEED AP – Director, Structural & Geotechnical Services

Mr. Hernandez provides structural and geotechnical expertise, including foundation systems, elevated platforms, and building designs that address flood and scour risks for pump stations and utility facilities.

Richard Lafortune, PE – Director, MEP Services

Mr. Lafortune specializes in electrical, controls, and instrumentation design. His portfolio includes generator systems, VFDs, SCADA integration, and resilient electrical layouts for wastewater facilities.

Michael McGurl, PLS, CFS – Director, Survey Services

Mr. McGurl brings over 35 years of surveying experience, including boundary surveys, right-of-way mapping, hydrographic mapping, and topographic mapping. He has prepared right-of-way mapping for numerous County and Municipal Clients. His in-depth knowledge of surveying practices enables accurate and precise field data collection, contributing to the successful planning and execution of engineering Projects.

Donald Stevens, PE – Director, Construction Phase Services

Mr. Stevens oversees construction administration and field inspection. With over 25 years of experience, he provides continuity from design through construction, verifying contractor performance and maintaining Project quality.

Collectively, this multidisciplinary Team offers the full spectrum of expertise needed to deliver this successful wastewater Project—from initial planning and design through construction completion. With specialists in civil, structural, hydraulic, electrical, and construction-phase services, CME Associates provides seamless Project execution and integrated solutions tailored to the Authority's needs.

The Team is deeply experienced with NJIB/NJDEP funding programs, FEMA resiliency standards, and state regulatory processes, enabling efficient coordination and compliance throughout design and construction. By combining technical depth with proactive communication and field-tested strategies, CME Associates consistently delivers resilient, cost-effective, and maintainable infrastructure.

We look forward to applying this proven approach to support the Authority's program, providing long-term value to both the Client and the communities served.

GENERAL EXPERIENCE OF THE FIRM

The founders of CME Associates established a goal to build a company with a reputation for integrity and professional service. Today, using the founding principles, the firm continues to perfect its mission by committing ourselves to the following two key tasks for every Client:

1) Understanding the Client and helping to identify and prioritize their problems, and
2) Successfully developing and implementing the solutions required to address the prioritized problems, with emphasis and consideration for the Client's unique goals and interests.

CME's relevant experience derives from our record of satisfactory performance and satisfied municipal and public water and wastewater services Clients who continue to retain our services, year after year. CME Associates continues to provide advice to public utility entities in all areas of wastewater facilities work, including upgrades to the digestion process, pumping stations and wastewater collection systems. The Firm's experience is current and relevant.

The foregoing information is presented to highlight the Firm and its individual professionals' experience with providing professional engineering services related to upgrades to digester facilities, pumping stations and wastewater collection systems.

Relevant Experience

Joint Meeting of Essex and Union Counties:

CME Associates brings unmatched qualifications and a unique set of experiences accumulated from our historic and ongoing professional relationship with the Joint Meeting of Essex and Union Counties (JMEUC). Chartered in 1899, the Joint Meeting owns and operates a wastewater trunk sewer system in twelve municipalities in Union and Essex Counties and a secondary wastewater treatment facility in Elizabeth, New Jersey. As a result of the US EPA's Clean Water Act of 1972, the Joint Meeting commenced the addition of secondary treatment facilities, including, sludge digestion

facilities consisting of three (3) digesters, one sludge storage tank/digester and ancillary equipment. The units were placed into service in the late 1970s. Later improvements, in the early 1990s, included the conversion of the sludge storage tank/digester to Digester No. 4.

Digester and Sludge Storage Tank Services:
As the Joint Meeting's Consulting Engineer since the mid 1990s, CME Associates has served as the Design Engineer and Construction Administration Consultant for the major upgrades of all three existing digesters and conversion of a sludge storage tank to a fourth digester. These upgrades were completed as four separate projects.

These projects included the rehabilitation of the floating cover and sludge mixing systems and upgrades to heat exchangers, valves and piping. In addition, the digester gas withdrawal system was modified to increase efficiency of the digester gas withdrawal system to the Co-Generation system.

Digester gas production has significantly increased from pre-rehabilitation levels and now exceeds the production achieved when the digesters were new. And solids destruction has resulted in lower quantities of sludge requiring further treatment, handling and disposal. Thus, the Joint Meeting has realized a cost savings in both maintenance and operations.

Digester Gas Treatment Upgrades:
The project, completed in June 2013, involved an upgrade and addition to the existing digester gas treatment process. The digester gas treatment process improves digester gas quality so that it may be used to fuel the generators in the Co-Generation plant.

CME designed the addition of a hydrogen sulfide (H2S) removal system located in parallel with the existing unit. The added unit employed a more efficient removal of harmful hydrogen sulfide (H2S) from the digester gas through a vessel containing 'iron sponge' media.

Joint Meeting Co-generation Facility:
Completed and placed in service in 2009, the CME designed JMEUC Cogeneration Facility included modifications to the existing public utility (PSEG) substation; installation of an overhead pole line; connection to existing utilities; construction of a pile supported building foundation; installation of digester gas treatment equipment, four (4) 810 kilowatt

generators, radiators, transformers, switchgear and MCC. The generators are capable of operating on digester gas or natural gas and operate with a unit on stand-by at all times. The facility was designed to allow two additional generators to be installed in the future if required by digester gas production and treatment plant power demand.

Presently, the Co-Generating Facility is able to meet up to 80% of Joint Meeting's energy needs routinely. As an added benefit, CME negotiated a cooperation agreement with PSEG, on behalf of the Joint Meeting, that allows the reduction of power demand from the PSEG grid during the high demand summer months, in return for generous financial benefits. CME recently completed the design of a Project that will include the addition of two 810 kilowatt generators to the Co-Generation Facility.

In addition, CME assisted the Joint Meeting with obtaining funding from the NJ I-Bank for each of these Projects.

Township of Pemberton Sewer Department

As the Sewer Department's Engineer, CME prepared the contract documents for cleaning of the existing primary and secondary digesters. The cleaning was performed as two separate Projects and included miscellaneous upgrades to piping and valves as required.

Township of Ocean Sewerage Authority

The Authority had authorized CME to perform an evaluation of the two existing sludge holding tanks to determine the feasibility of converting the Authority's sludge storage tanks to digesters. The evaluation was requested due to the cost of hauling sludge from the Authority's treatment facility.

CME was authorized to replace the three existing pumps in the Main Pump Station at the Wastewater Treatment Plant. Based on an evaluation of pump alternatives the Authority elected to replace the three existing sewage pumps with dry pit submersible pumps. The contract included a temporary bypass system for bypassing the entire plant flow to the around the Main Pump Station during the pump replacement. In addition, CME assisted the Authority with obtaining funding from the NJ I-Bank for this Project.

Western Monmouth Utilities Authority

CME was authorized by the WMUA for design, bid and construction phase services for the replacement of the Rt. 79 Pump Station. The Project included bypassing the existing pump station while the existing facilities were demolished and the new pump station was

constructed on the same site. An analysis was required to determine the operating point of the new pumps based on the new 4,000 LF force main configuration. In addition, the project included structural, electrical and geotechnical designs.

Township of Aberdeen Woodfield Area Collection System

The Woodfield Area of Aberdeen had individual septic systems. The failure of these systems had become a substantial burden and health concern to the residents. CME was authorized by the Township to design a new wastewater collection system and pump station to replace the existing septic systems. The new design included over 10,000 LF of gravity sewer and 5,000 LF of force main. The pump station design included the selection of pumps, controls, electrical and emergency power. In addition, CME assisted the Township with obtaining funding from the NJ I-Bank for this Project.

COST PROPOSAL

Our office proposes to provide the above-noted services, including sub consultants, as follows:

A. Costs Included

Accordingly, based upon the above outlined Scope of Services, we find that the necessary services can be provided for the estimated cost not to exceed fee indicated below based upon the following breakdown:

Phase I & II – Survey and Design Phase	$200,188.00
Phase III – New Jersey Infrastructure Bank	$9,972.00
Phase IV – Permits	$8,537.00
Phase V – Bid Phase Services (Two Bids)	$11,037.00
Phase VI – Construction Phase Services (WWTP)	$186,096.00
Phase VI – Construction Phase Services (Collection Syst)	$33,850.00
Total	**$449,680.00**

Our hourly rates shall be firm until January 1, 2026, after which may be subject to renegotiation. In accordance with State requirements, we have attached our Affirmative Action Statement.

B. Sub-Consultants

- Sub-consultants and other professional services may be necessary as the work proceeds. Sub-consultants will be billed in accordance with our rate schedule.

C. Services and testing work by others to be paid for directly by the Authority.

- The review of the contractor's insurance and various bonds has not been included in this proposal. We recommend that the Authority's insurance carrier or counsel review and approve these documents.

- Fees for laboratory testing of construction materials, equipment or contaminants found at the location of the project.

- Fees for permit applications.

PRE-DESIGN ESTIMATED CONSTRUCTION COST

As required in the RFP we have included an order-of-magnitude estimate of the projects. The estimate is based upon current purchase prices for material and equipment and recent experience with similar Projects.

• Wastewater Treatment Plant Improvements		$10,000,000.00
• Collection System Upgrades		$ 4,000,000.00
	Total:	$14,000,000.00

If the owner desires to have CME perform additional services for work related to the project which is not covered by the Scope of Services stated herein, such additional work shall be performed only after written authorization by the owner or after negotiation of written Supplementary Agreement to the contract duly executed by the parties. Payment for such services, if authorized, will be made according to terms contained in the Supplementary Agreement or will be invoiced in accordance with our hourly rate schedule.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Very truly yours,
CME Associates

Keith Chiaravallo, PE, CME
Sr. Vice President

Consulting & Municipal ENGINEERS

EXHIBIT A
MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
N.J.S.A 10:5-31 et seq (P.L. 1975, C. 127)
N.J.A.C 17:27
GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor, where applicable, will send to each labor union or representative or workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to employ minority and women workers consistent with the applicable county employ goals established in accordance with N.J.A.C. 17:27-5.2, or a binding determination of the applicable county employment goals determined by the Division, pursuant to N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the applicable employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval
Certificate of Employee Information Report
Employee Information Report Form AA302

The contractor and its subcontractors shall furnish such reports or other documents to the Contract Compliance & EEO as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Contract Compliance & EEO for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at NJAC 17:27.**

CME Associates herein agrees to comply with the mandatory language of the above pursuant to P.L. 1975, c. 127.

Sworn on this 9
day of September, 2025

Notary Public, State of New Jersey

JILL A DEROBERTIS
NOTARY PUBLIC
My Commission Expires
12-06-2025
STATE OF NEW JERSEY

Keith Chiaravallo, PE, CME
Senior Vice President, CME Associates

CME ASSOCIATES

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE

Taxpayer Name:	CONSULTING AND MUNICIPAL ENGINEERS LLC
Trade Name:	
Address:	1460 ROUTE 9 SOUTH HOWELL, NJ 07731
Certificate Number:	2786089
Effective Date:	October 31, 2022
Date of Issuance:	January 03, 2023

For Office Use Only:

20230103100839074

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/30/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Willis Towers Watson Insurance Services West, Inc.
c/o 26 Century Blvd
P.O. Box 305191
Nashville, TN 372305191 USA

CONTACT NAME: WTW Certificate Center
PHONE (A/C, No, Ext): 1-877-945-7378 **FAX (A/C, No):** 1-888-467-2378
E-MAIL ADDRESS: certificates@wtwco.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Liberty Mutual Fire Insurance Company	23035
INSURER B: Liberty Insurance Corporation	42404
INSURER C: American Guarantee and Liability Insurance	26247
INSURER D: Allied World Surplus Lines Insurance Compa	24319
INSURER E: Indemnity National Insurance Company	18468
INSURER F: RSUI Indemnity Company	22314

INSURED
Consulting and Municipal Engineers LLC (CME Associates)
3141 Bordentown Avenue
Parlin, NJ 08859

COVERAGES **CERTIFICATE NUMBER:** W37154758 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC OTHER:	Y	Y	TB2-641-446161-054	12/31/2024	12/31/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 1,000,000 $ 25,000 $ 2,000,000 $ 4,000,000 $ 4,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY	Y	Y	AS7-641-446161-044	12/31/2024	12/31/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 2,000,000 $ $ $
C	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			AUC 8344746-01	12/31/2024	12/31/2025	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N No (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	WC7-641-446161-064	12/31/2024	12/31/2025	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liab incl Pollution			0313-8987	12/31/2024	12/31/2025	Each Claim Limit Policy Aggregate	$5,000,000 $5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
The Certificate Holder included as an Additional Insured as respects to General Liability and Auto Liability. The General Liability and Auto Liability shall be Primary and Non-Contributory with any other insurance in force for or which may be purchased by The Certificate Holder. Waiver of Subrogation applies in favor of The Certificate Holder with respects to General Liability, Auto Liability, and Workers Comp, as permitted by law.
SEE ATTACHED

CERTIFICATE HOLDER
Evidence of Insurance

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Certification 1818

CERTIFICATE OF EMPLOYEE INFORMATION REPORT

RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of 15-FEB-2023 to 15-FEB-2026

CME ASSOCIATES
1460 ROUTE 9, SOUTH
HOWELL NJ 07731 1194

ELIZABETH MAHER MUOIO
State Treasurer

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772
colliersengineering.com

Colliers
Engineering
& Design

September 9, 2025

RECEIVED
SEP 9 2025
L.B. SEWERAGE AUTHORITY

VIA EMAIL

Thomas Roguski, P.E., Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 700
Long Branch, NJ 07740

Proposal for Professional Services for Design, Bidding and Construction
2025 WWTP and Collection System Capital Improvements
Long Branch Sewerage Authority
City of Long Branch, Monmouth County, New Jersey
Colliers Engineering & Design Proposal No.: LBS-0352P

Dear Mr. Roguski,

Colliers Engineering & Design, Inc. (CED) is pleased to submit this proposal to provide professional services for the Long Branch Sewerage Authority's (LBSA) proposed 2025 Wastewater Treatment Plant (WWTP) and Collection System Capital Improvements Projects located in the City of Long Branch, Monmouth County, New Jersey.

This project represents a major capital improvement for LBSA, as it includes both upgrades to its wastewater treatment plant (WWTP) and improvements to its collection system. For a capital project of this magnitude, it is important to consider the time value of money as the concept applies to construction projects. To this end, it is in LBSA's best financial interest to expedite the funding application process and project design to allow the bidding and construction phases to commence as soon as possible in an effort to minimize inflationary impacts on labor and material costs.

Considering the magnitude and critical nature of the project, CED is well-suited to deliver the key personnel and resources required to successfully execute this project efficiently and in a cost-effective manner for LBSA.

BIDDING STRATEGY

The work proposed by the LBSA consists of two distinct categories of work that might be undertaken by a construction contractor. Plant work, with associated equipment installation mechanical and electrical; and off plant Collection System work, involving cut and cover trenching, road work and restoration.

Both categories of the 2025 proposed Capital Improvements are estimated to have dollar values in the seven figures with an overall construction budget in the $6- to $8-million dollar range. The pool of contractors that self-perform both types of work is limited, which can result in increased costs for the

TOM 9-9

LBSA in the form of higher bid prices. In all likelihood, one of the two major elements of the work would be subcontracted by the general contractor. In that case the LBSA will then be paying a significant markup on that element of the work. For example, if the Collection System work is worth $1.5-million the LBSA might pay a 20% markup on that, $300,000.00.

In order to allow more competition during the public bidding phase and, more importantly, to help reduce overall cost for the improvements, we propose to bid the Plant work separately from the Collection System. In addition, it is anticipated that NJDEP will require the work to be done under two (2) loans, one (1) for the Plant work, and one (1) for the Collection System.

PROJECT TEAM

CED has assembled a highly capable and qualified team to provide these services to the LBSA.

Each of the project team leaders listed below has extensive experience working with public utility clients and specifically with utility authorities. More importantly each of these individuals has time available for the LBSA project to perform the services in a timely manner.

- CED has a long history of performing successful projects at the WWTP and oversaw WWTP upgrades in 2012, 2015, and 2019.
- CED has extensive experience with gravity sewer replacement and rehabilitation.
- CED Grants team has helped obtain I-Bank funding for dozens of projects totaling over $50 million in the last ten years including projects for the LBSA, totaling upwards of $7 million.

The overall effort will be coordinated and led by the LBSA Authority Engineer **John McKelvey, P.E.**, Senior Project Manager with CED. In the role of Project Director, he will facilitate a critical function as the conduit between the project team and the LBSA Authority members and management staff. John McKelvey will also serve as project manager for the collections system project. Overall project QA/QC will be provided by **Jordan Volk, P.E., PMP**, Regional Water & Wastewater Discipline Leader for CED.

Ms. Kelsey Howard will lead the NJDEP/I-Bank Funding Assistance efforts. Ms. Howard and her CED Grants Group have helped obtain I-Bank funding for numerous projects in the last five years including the Mount Laurel MUA Dewatering Building, the Township of Woodbridge's Stafford Road Sanitary Sewer Replacement, the Fieldsboro Sanitary Sewer Lining, the Belleville Lead Service Lines Replacement, the Long Branch Sewer Authority Hoey Pump Station Improvements and Sludge Holding System Improvements, and the Middletown Sewerage Authority Fairview Force Main Replacement.

The WWTP Improvements Design, Bidding and Construction Services will be led by our **Project Manager, Robert A. Pennington, P.E.,** Senior Project Manager with CED. He brings over 35 years of experience in the industry here in New Jersey providing similar services. He will manage the effort to assure that the work progresses in a technically sound and timely fashion.

CED's **Alexander Itkin, P.E.**, will lead the structural work on the project. He has extensive experience and involvement in wastewater-related structural work including projects at TOMSA, LBSA, Wards Island, Newtown Creek, Rocky Hill CT., and Arlington VA. Water Pollution Control Facilities.

This team extremely capable and we are ready to assist the LBSA on this important project. We are prepared to begin work on the LBSA's project in September of 2025 and, while we can't control NJDEP and I-Bank review, we will have the project documents ready for bidding in May of 2026.

This proposal is divided into four sections as follows:

Section I – Scope of Services
Section II – Business Terms and Conditions
Section III – Technical Staff Hourly Rate Schedule and Reimbursable Expenses
Section IV – Client Contract Authorization

The order in which the following scope of services are presented generally follows the sequence in which the project will be accomplished; however, depending on the project, the various authorized services contained in this proposal may be performed in a sequence as deemed appropriate by Colliers Engineering & Design to meet project schedules.

Section I – Scope of Services

CED proposes to complete the following Professional Engineering Services as requested in the LBSA's July 11, 2025, Request for Proposals (RFP):

PHASE 1.0 DESIGN SERVICES

1.1 Wastewater Treatment Plant

The work proposed at the LBSA WWTP consists of improvements in two areas, the Digesters and the Emergency Effluent Pump Station.

Digester Improvements – The CED Team will provide design services for the replacement of the existing digester covers, blowers, safety equipment (flame arresters, blowoff/pressure relief valves, etc.), supports, controls, sensors, and associated equipment as detailed in the LBSA's RFP document and accompanying photo documentation.

CED will evaluate the existing equipment. Design documents will be prepared to replace and/or modify equipment as needed such that the completed project is in compliance with applicable codes and regulations while meeting the needs of the operations staff.

CED will verify existing record drawings for accuracy. Modifications to existing record drawings will be incorporated into the CAD drawings utilized for the design, bidding and construction of the improvements.

Design documents will provide for digester cleaning and internal inspection of the four digesters while they are offline for the cover replacement. Design documents will include "if and where directed items" for internal piping replacement and structural repairs such that the work can be completed at competitive pricing without costly change orders should the internal inspections identify the need.

Design documents will include electrical, instrumentation, controls and SCADA integration for the digestion and associated equipment in the Control Buildings to maintain functionality and provide upgrades as needed.

Design documents will include provisions to monitor/visualize internal condition of tanks and the levels beneath covers.

Design documents will include detailed construction sequencing and Maintenance of Plant Operations Procedures (MOPO) which will be a necessity for the LBSA to avoid the unnecessary hauling of sludge associated with the improvements project. Sequencing documents will require that at least two of the existing four digesters remain in service at all times during the work. Since Digester 1 and 2 are paired, and 3 and 4 are paired sharing a control building and other facilities, we anticipate construction will involve work on one pair while the other pair remains in service. Upon completion of the work on the first pair the new facilities will be tested and fully operational before the work on the second pair may commence.

Emergency Effluent Pump Station Improvements – The CED Team will provide design documents that provide for the replacement of the existing WWTP emergency effluent pumps, motors, pipe and valves located in the pipe gallery at the head of the Primary Clarifier Tanks. CED will verify existing record drawings for accuracy. Modifications to existing record drawings will be incorporated into the CAD drawings utilized for the design, bidding and construction of the improvements.

Along with the pumps, all emergency effluent piping and valves will be shown and specified to be replaced for both pumps from the suction wall penetration flanges to discharge wall penetration flanges.

Design documents will also provide for new pump controls, panels, VFDs, transducers, backup floats, and associated equipment.

The CED team will evaluate the pump capacity during design, and we will review with the Authority prior to pump selection. Upon confirmation of the pump recommendations, we will prepare plans with piping arrangements for the selected pump and associated specifications.

In order to maintain emergency pumping capacity during the work a temporary bypass plan will be developed and the MOPO requirements will be included in the project specifications. We anticipate the use of a temporary pumping system staged next to the pipe gallery. The temporary system will connect to the existing force main through the installation of a new permanent bypass chamber on the existing emergency effluent force main. Design documents will include drawings and specifications detailing the new by-pass structure and piping.

Design documents will include electrical, instrumentation, controls and SCADA integration for the effluent pump station to maintain functionality and provide upgrades as needed.

Design documents will be prepared such that the completed project is in compliance with applicable codes and regulations while meeting the needs of the operations staff.

Under the scope of work for the I-Bank services we will be reviewing the I Bank resiliency requirements. The expectation is that the I-Bank will require that the project could survive a 500-year flood, plus one foot elevation as a safety factor. While the new pumps will be able to survive a flood the VFD's are not waterproof. We will explore options to avoid it but, there is a high likelihood that they will need to be raised significantly. As such we have included an Alternate design item below to provide a platform for raising the VFD and allowing operator access. See Item 5 – Option A below.

Permitting - We anticipate that all of the work above will fall under NJAC 7:14A-22.4 Activities for which a treatment works approval (TWA) is not required, paragraph (a) 6, which allows the replacement of worn pumps and treatment units or components provided the capacity, location and function does not change.

A proposed drawing list for this project follows:

WASTEWATER TREATMENT PLANT		
Number	**Name**	**Description**
General		
1	G-1	Cover Sheet/Drawing Index
2	G-2	Notes and Symbol Legend
3	G-3	Plant Process Flow Diagram
Civil		
4	C-1	Site Plan – Existing Conditions
5	C-2	Site Plan - New Work
6	C-3	Civil Details
7	C-4	SCD Details and Notes
Structural		
8	S-1	New Platform for VFD's (if needed)/Concrete Repair Details
Mechanical		
9	M-1	Digesters Overall Plan and Details
10	M-2	Digester 1 & 2 and Control Building 1 Detail Plans
11	M-3	Digester 1 & 2 and Control Building 1 Sections
12	M-4	Digester 3 & 4 and Control Building 2 Detail Plans
13	M-5	Digester 3 & 4 and Control Building 2 Sections
14	M-6	Digester Cover Details
15	M-7	Control Building Details

16	M-8	Effluent Pump Station Plans
17	M-9	Effluent Pump Station Sections
Electrical and I&C		
18	E-1	Electrical Legend Sheet
19	E-2	Digester Partial Demolition Plans
20	E-3	Effluent Pump Station Demolition Plan
21	E-4	Electrical Site Plan
22	E-5	Digester Power Plan (1 of 2)
23	E-6	Digester Power Plan (2 of 2)
24	E-7	Effluent Pump Station Power Plan
25	E-8	Partial Single Line Diagrams
26	E-9	Interconnection Diagrams
27	E-10	Control Panel Elevations
28	E-11	Schedules and Details
29	E-12	Control Diagrams (1 of 2)
30	E-13	Control Diagrams (2 of 2)

1.2 Collection System

This portion of the project will include improvements to the LBSA collection system. Under this component of the project, LBSA intends on replacing approximately 4,550 linear feet (LF) of 6-inch and 8-inch diameter gravity sewers. These sewers have reached the end of their service life due to their age, material, and condition. The proposed collection system improvements will include new gravity mainline sewer constructed in accordance with NJDEP technical requirements (i.e., minimum 8-inch diameter sewers at NJDEP minimum pipe slope). The project will include the replacement of manholes and will include new manholes at upstream terminus points and as required to maintain maximum manhole spacing required under technical requirements. The project will include new customer sewer service laterals with cleanouts behind the curbline. Complete edge-to-edge pavement restoration will be required as part of the project. The LBSA is also aware that some of the streets may have concrete base pavement that will need to be restored as part of the project.

The sanitary sewer replacements included in this project are summarized in the table below:

Street	From	To	Length (LF)
Sixth Avenue	Halberton Place	Broadway	1,300
Slocum Place	S. 5th Avenue	Broadway	950
West End Avenue	Second Avenue	Ocean Avenue North	1,150
Westwood Avenue	Brighton Avenue	Mark Drive	1,150
TOTAL			**4,550**

The Collection System Improvements will be included in the NJ I Bank funding application but administered as a separate construction contract. Therefore, this project component will require

a separate set of contract documents that will be designed and permitted as outlined in the scope of work below.

Under this task CED will perform limited topographic survey between manholes and utility survey of the sewer infrastructure (or the optional site survey proposed in Option B below) to prepare base maps. After preparation of base mapping, the areas will be reviewed to ensure that the base mapping properly shows existing utilities, which will be located based on features collected during field surveys and available mapping. As part of this effort, local utility companies will be contacted to secure information on locations of underground facilities.

Under this task preliminary engineering will be performed to develop a concept plan for the proposed sewer replacements. This effort will identify constructability concerns and utility conflicts. The preliminary design will establish proposed sewer pipe slope and inverts at manholes. During this task, a determination will be made as to which segments will require an NJDEP TWA. Replacement of sewers in-kind (same size, slope and location) will not require a TWA permit.

We understand that the LBSA expectation is that the Sixth Avenue, Slocum Place and Westwood Avenue locations will be a replacement in kind at the same size and slope as existing, if so these will not require a TWA permit. We also understand that the LBSA is looking to regrade the West End Avenue sewer to route flow in a different direction. This will require a TWA permit. We have priced our proposal accordingly.

Under this task, design drawings will be prepared for the proposed sewer system improvements. Plan and profile drawings will be prepared for the proposed sewer replacement work. Plan and profile sheets will be prepared at 1" 30' horizontal and 1" 5' vertical scales. The contract plan sets will include traffic control details, soil erosion control detail and notes sheets; and construction detail sheets that include necessary details on appurtenances, connections to existing system, trench restoration, and pavement restoration. All plans will be prepared using AutoCAD and Civil3D software.

Contract specifications will be prepared in accordance with LBSA requirements and standards. Front-end bid and contract documents prepared for the WWTP and to meet I-Bank requirements will be modified and utilized for the collection system work. A bid form utilizing unit prices in accordance with NJDEP requirements will be prepared specifically for the collection system work. The documents will comply with New Jersey's Local Public Contracts Law and will be suitable for the Authority to use for publicly advertising and bidding this contract. Technical specifications will also be prepared for the sanitary sewer work.

Draft plans (50% complete) will be submitted to LBSA for review and comment. Included with the draft plans will be the specification bid documents. Following a meeting to discuss any comments on the draft plans and specifications, final documents will be prepared for distribution to bidders.

A proposed drawing list for this project follows:

COLLECTION SYSTEM UPGRADES			
B/O	**No.**	**Discipline**	**Drawing Title**
1	G001	General	Title Sheet
2	G002	General	Location Plan, General Notes & Symbol Legend
3	C101	Civil	Sewer Replacement Plan & Profile - Sixth Avenue (1 of 2)
4	C102	Civil	Sewer Replacement Plan & Profile - Sixth Avenue (2 of 2)
5	C103	Civil	Sewer Replacement Plan & Profile - Slocum Place (1 of 2)
6	C104	Civil	Sewer Replacement Plan & Profile - Slocum Place (2 of 2)
7	C105	Civil	Sewer Replacement Plan & Profile - West End Avenue (1 of 2)
8	C106	Civil	Sewer Replacement Plan & Profile - West End Avenue (1 of 2)
9	C107	Civil	Sewer Replacement Plan & Profile - Westwood Avenue (1 of 2)
10	C108	Civil	Sewer Replacement Plan & Profile - Westwood Avenue (2 of 2)
11	C501	Civil	Construction Details (1 of 2)
12	C502	Civil	Construction Details (2 of 2)
13	C503	Civil	Soil Erosion and Sediment Control Details
14	C504	Civil	Soil Erosion and Sediment Control Notes
15	C505	Civil	Traffic Control Notes & Details (1 of 2)
16	C506	Civil	Traffic Control Notes & Details (2 of 2)

The permitting effort will include the preparation of permit applications for the regulatory approvals required for this project component. All completed permit applications will be submitted to LBSA for review and endorsement. It is assumed that LBSA will pay for all permit application, administrative, and review fees directly. We will submit the applications to each reviewing agency and track the approval status. Permit applications will be prepared for the following regulatory approvals:

- A Treatment Works Approval (TWA) permit application will be required for any sewer segment replacements that are not installed at the same pipe size or pipe slope. It is anticipated that the West End Avenue sewer replacement will be regraded to flow in a different direction and, therefore, will require a TWA permit. It is not known at this time if any of the other areas will require a TWA permit as this determination will be made early in the design task and communicated to LBSA. The permit application will include an Engineer's report, plans, technical specifications, and technical review forms.

- A soil erosion control plan certification is required for projects that disturb more than 5,000 square feet of land during construction. An application for Soil Erosion and Sediment Control Plan Certification will need to be submitted to the Freehold Soil Conservation District. The application includes an application form and the project plans, including the site utility plan and the soil erosion and sediment control plans and details.

1.3 Schedule and Submissions

In order to progress the work in a meaningful way and to allow for LBSA review and input at various stages of the work we propose the following:

- Initiation of the project with a kickoff meeting with the CED and LBSA in attendance;
- For the Plant 30, 60, 90 and 100% document submissions to the LBSA for review; and,
- For the Collection system 50, 90 and 100% document submissions to the LBSA for review.

The kickoff meeting will be held within two weeks of the execution of all contracts and notices to proceed for the work.

- For the **WWTP** we anticipate the following:
    a. Submission of the 30% documents two months after the kickoff meeting;
    b. Submission of the 60% percent documents two months after receipt and discussion of LBSA comments;
    c. Submission of 90% documents two months after receipt and discussion of LBSA comments; and,
    d. Submission of 100% documents two weeks after receipt and discussion of LBSA comments.

This results in a total anticipated design schedule of 8 months to be ready for bidding in May 2026.

- For the **Collection** system we anticipate the following:
    a. Submission of the 50% documents three months after the kickoff meeting;
    b. Submission of 90% documents two months after receipt and discussion of LBSA comments; and,
    c. Submission of 100% documents two weeks after receipt and discussion of LBSA comments.

We anticipate that the collection system work can be ready for bidding at the end of March 2026.

1.4 Cost Estimates

A preliminary construction cost estimate will be prepared for the overall project (both WWTP and Collection System) at the 30-percent stage. The preliminary estimate will be updated with

the 90% submissions. A final estimate will be prepared upon completion of design documents and submitted for the final design review.

Phase 1.0 Estimated Fee **$349,825.00**

PHASE 2.0 NJDEP/I-BANK FUNDING

The projects are to be funded through the NJDEP/I-Bank. Per the RFP, the Authority currently qualifies for 100% principal forgiveness (capped at $2 million) and the equivalent of 75% interest free DEP loan and 25% I-Bank's AAA Market Interest Rate loan funding based upon the Authority's Project Affordability Score for SFY26.

We will assist the LBSA with the steps and requirements to apply for funding through the NJDEP/I-Bank. Tasks 2.1-2.3 include steps from the initial Project Information Form through securing NJDEP Authorization to Advertise. Task 2.4 includes securing NJDEP Authorization to Award. Task 2.5 includes services during construction.

We anticipate that NJDEP will require the work to be done under two (2) loans, one (1) for the Plant work, and one (1) for the Collection System, as they have required of the Authority previously. We assume that each of the two (2) loan applications will include no more than one project and bid package. We will perform the following sub tasks for each loan application.

2.1 Project Information Form

- We will work with the client to gain access to the H2Loans program application portal, draft documents, send such documents to the LBSA for review, and coordinate LBSA submittal upon LBSA approval;

- Draft and work with the LBSA to submit the Project Information Form, which includes:
  - Basic information on the project location.
  - Scope description.
  - Project need.
  - Preliminary cost.
  - Benefiting area.

- Coordinate with LBSA's bond counsel and LBSA on Short Term Loan documents for the executed engineering agreement; and,

- Attend virtual calls with the LBSA and funding agency, as needed, up to three (3).

2.2 Letter of Intent and Project Planning Document

- Draft and work with the LBSA to submit the Letter of Intent and the Project Planning Document/ Environmental Planning Document, which includes:
  - Project environmental description;
  - Project location and census data information;

- Project scope and pertinent design details;
- Size of area of disturbance;
- Alternatives analysis;
- User charge discussion;
- Schedule;
- Permit requirements;
- Cost estimate;
- Required maps;
- Addressing resiliency requirements recently enforced by NJDEP.

- Respond to one (1) round of Request for Information (RFI) from NJDEP; and,
- Attend virtual calls with the LBSA and funding agency as needed, up to three (3).

It is assumed that the project will require a Level I Environmental Review.

2.3 Loan Application

- We will work with the LBSA to draft the loan application(s), send such documents to the LBSA for review, and coordinate LBSA submittal upon LBSA approval;
- Draft the authorizing resolution(s) for the LBSA to be passed at a governing body meeting;
- Draft the required program compliance statements for LBSA signature;
- Draft the LBSA's attorney letter regarding jurisdiction for LBSA attorney signature;
- Draft the disbursement schedule;
- Upload and enter information on relevant contracts to the loan application;
- Upload and enter information on submitted permit applications;
- Review and upload relevant plans and specifications for program compliance;
- Enter project budget information;
- Respond to one (1) round of Request for Information (RFI) from NJDEP;
- Submit contract documents separately to the NJDEP office governing SED contracting and submit the bid schedule to the same; and,
- Attend virtual calls with the LBSA and funding agency as needed, up to six (6).

2.4 Bidding and Award NJDEP/I-Bank Coordination

We will assist the LBSA with the steps and requirements to apply for the funding through the NJDEP/I-Bank. For this Task 2.4, this includes steps to securing NJDEP Authorization to Award.

- Coordinate obtaining NJDEP approval of up to one (1) addenda for the Collection System bid package and up to two (2) addenda for the WWTP bid package;
- Submit items related to the bidding process to NJDEP through H2Loans to secure NJDEP Authorization to Award;
- Coordinate with LBSA's bond counsel and LBSA on Short Term Loan documents to account for the awarded construction contracts and value; and,
- Attend virtual calls with the LBSA and funding agency as needed, up to one (1).

2.5 Construction Phase NJDEP/I-Bank Coordination

- Review and submit to NJDEP monthly (up to twelve (12)) and quarterly (up to four (4)) SED reports;
- Consult with LBSA, as needed, on loan disbursement requests, up to twelve (12);
- Coordinate NJDEP approval of change orders, as needed, up to one (1); and,
- Attend virtual calls with the LBSA and funding agency as needed, up to twelve (12).

Phase 2.0 Total Estimated Fee **$66,500.00**

PHASE 3.0 BIDDING SERVICES

3.1 Distribution of Documents

For each project CED will prepare electronic copies of the Bid-Ready Construction Documents in pdf format for distribution to bidders. We will maintain the list of bidders and distribute the documents to prospective bidder

3.2 Pre-Bid Conference

For the Plant CED will prepare for and lead a pre-bid conference/site visit for prospective bidders. CED's Project Manager will attend and facilitate this meeting, which will be scheduled for approximately the mid-point of the bidding period. CED will respond, if appropriate, to any significant issues raised in writing pursuant to the meeting.

We do not believe that a pre-bid conference is necessary for the Collection System work and as such have not included in this proposal.

3.3 Clarification and Addenda

For each project CED will receive and if deemed necessary, respond to questions tendered in writing by prospective bidders. It is assumed that CED will prepare up to two (2) Addendum for the Plant and one (1) Addendum for the Collection System. Addenda will address, in writing, questions duly tendered by prospective bidders, inclusive of all changes to the Contract Documents consequent to same. Draft Addenda will be submitted to the LBSA for review and will also be submitted to the New Jersey Department of Environmental Protection (NJDEP) for approval, as is required by the NJIB financing program. Upon approval, CED will provide pdf copies of the Addenda to the LBSA and prospective bidders.

3.4 Bid Opening, Analysis and Recommendation

For each project we will attend the bid opening and prepare a tabulation of the bids received. We will evaluate the bid of the apparent low bidder for each project. It is assumed that the LBSA's counsel will also review the bids of the apparent low bidders. Upon completion of review by both CED and the LBSA's counsel, we will prepare a recommendation regarding the award.

Phase 3.0 Estimated Fee **$32,925.00**

PHASE 4.0 CONSTRUCTION SERVICES

4.1 Contract Award

For each project CED will provide the necessary engineering documents related to the bid process and award of the Construction Contract. The documents will be uploaded to the NJIB portal. We will respond to questions/comments provided by the NJIB/NJDEP regarding these documents in order to coordinate and provide information necessary for the issuance of an Authorization to Award the Construction Contracts by NJDEP. When authorized, CED will provide a Notice of Award to the Contractors on behalf of the LBSA.

4.2 Conformed Documents

CED will prepare conformed Contract Documents for each project that incorporate all changes made via Addendum (if any), the Contractors Bid, and the signed Contract with required Bonds and Insurance as provided by the Contractor. Conformed documents shall clearly indicate both "Conformed" and "Issued for Construction". It is anticipated that up to three (3) paper copies will be provided, one for the LBSA, one for the Contractor, and one for NJDEP/NJIB. PDF format copies will also be provided for use on the project.

4.3 Pre-Construction Meeting/Notice to Proceed

For each project CED will coordinate and lead a Pre-Construction Meeting with the Contractor, LBSA, NJDEP, I-Bank and the New Jersey Office of Equal Opportunity Employment. CED will provide an agenda, inclusive of agenda items for the State, and will issue meeting minutes.

In coordination with the LBSA and the NJDEP/I-Bank, CED will prepare and issue the Contractor's Notice to Proceed setting the completion date for the work for each project.

4.4 Construction Observation & Field Administration

For each project CED will provide a Resident Project Representative (RPR) for construction observation services to monitor the Contractor's progress and compliance with the Contract Documents, to provide the LBSA a greater assurance that the work will be done according to the Contract requirements.

For the **Plant** work this will include full time inspection when the Contractor is performing the improvements in order to satisfy the I-Bank requirements for full-time inspection during treatment plant work.

The proposed Contract duration is estimated at four-hundred and sixty (460) consecutive calendar days, about a year and a quarter. A significant amount of this time frame is related to equipment procurement and manufacture with little or no field activity anticipated.

Therefore, our proposed budget for the Plant work is based on six (6) months of onsite activity, five (5) days a week, eight (8) hours a day.

For the **Collection System**, based upon the scope of work, and considering location and complexity of the work, we anticipate that this project will require a contract duration of approximately 240 calendar days with active on-site construction for approximately 90 calendar days (12 weeks) followed by a 90 day trench settlement period, and an additional 60 calendar days (9 weeks) for final pavement restoration.

Therefore, our proposed budget for the Collection System Improvements is based on three (3) months of onsite activity, five (5) days a week, eight (8) hours a day plus part-time oversight of the final paving for eight (8) weeks and 16 hours per week.

Specific inspection activities include the following:

- Conduct on-site observations and prepare corresponding daily reports;
- Additionally document work activities with periodic photos and maintain a file of dated project status photos;
- Conduct brief weekly construction look-ahead meetings;
- Review monthly payment requests, including the final payment request;
- Actively participate in the resolution of issues involving unforeseen field conditions and construction difficulties;
- Review materials delivered to the site for conformance with approved submittals;

- Confirm that insurance certificates have been received for contractor and all subcontractors working on site and that they have not expired while the work is ongoing;
- Facilitate communication with NJDEP, and other regulatory agencies;
- Facilitate communication with LBSA and coordinate Contractor's activities while ensuring a minimum of disruption to LBSA operations;
- Perform field interviews of Contractor's personnel for Prevailing Wage/Davis-Bacon Act compliance;
- Monitor red-line markups of contract drawings for record drawings prepared by the Contractor;
- Monitor checkout, testing and startup of equipment and systems;
- Coordinate and monitor the quality of manufacturer-provided training of the LBSA's personnel;
- Prepare and update punch lists of remaining work items; and,
- Evaluate substantial and final completion and recommend issue certificates of substantial or final completion as appropriate.

Please also note, in CED's performance of construction observation services, CED will not be responsible for the Contractor's means, methods, or techniques, nor for the Contractor's safety procedures or practices.

4.5 Submittal Review & Processing

The objective of this task is to review Shop Drawings, O&M Manuals and other submittals as required to evaluate that the proposed materials and equipment conform to the Contract Documents.

For each project CED will maintain a log of all submittals indicating the date received, date transmitted to the reviewer, the date returned to the contractor and the action code. CED's review time will generally be limited to two (2) weeks following receipt from the Contractor except for the following:

- The review of submittals from manufacturers not named in the Specifications; or
- The review of certain complex submittals. CED will cooperate with the Contractor to expedite the review of time sensitive, critical path submittals.

Each submittal will be coded with one of the following action codes:

- No exceptions taken;
- Make corrections noted (no re-submittal required);
- Note exceptions and confirm in writing;
- Revise and resubmit;
- Rejected; and,
- Noted – No Action required.

For developing the level of effort required, based on our anticipated set of Construction Documents, for the Plant we have has assumed that up to forty (40) initial submittals and twenty (20) re-submittals will require review. For the Collection system we have assumed up to twelve (12) initial submittals and four (4) re-submittals will require review.

Please note that the required effort can vary depending upon a number of factors, such as the quality and thoroughness of the Contractor's submittals or the percentage of items that are by specified manufacturers versus "or equal" items.

4.6 Clarifications and Interpretations

In this task, for each project CED will review and provide written responses to Contractor requests for information, clarification, or interpretation (RFI's), and will maintain a log of all RFI's, indicating the dates received and the dates of response. CED will make all reasonable efforts to review and respond to all RFI's within seven (7) days of receipt.

For projects of this nature, the level of effort required under this task is typically determined by assuming that an average of one (1) RFI will be received for every contract drawing. Based on CED's experience with similar projects, such an assumption would be appropriate for this project, assuming an average/reasonable contractor, and accordingly, it is anticipated that up to thirty (30) RFI's will be received and require a response associated with the Plant and six (6) with the Collection System.

4.7 Change Order Assistance

During the course of any construction project, there is always the potential for a Change Order to become necessary. Under this task, for each project CED will review Potential Change Orders (PCOs) and negotiate and process final Change Orders by performing the following activities:

- Maintain a log of all PCOs and change orders along with dates, amounts and status;
- Review and evaluate PCOs and advise the LBSA of their merit;

- Review and negotiate change order cost proposals;
- Prepare Change Orders for the LBSA for submission to NJDEP, inclusive of NJDEP Contract Modification Proposal and Acceptance Form CCS-002; and,
- Coordinate with and provide additional information to NJDEP as necessary to obtain approval.

It is assumed that, as appropriate, multiple smaller PCO's, once agreed-upon by the LBSA, will be aggregated into a single Change Order as may be appropriate to facilitate processing and reduce the administrative burden.

To estimate the level of effort required under this task, it is assumed that CED will review up to fifteen (15) PCOs and will prepare and process three (3) Change Orders for the Plant. It is assumed that we will review three (3) PCOs and prepare and process two (2) change orders for the Collection System.

4.8 Meetings and Site Visits

In addition to the weekly coordination meetings for each project conducted by CED's Resident Project Representative (RPR), for each project CED's Project Manager will also arrange and lead monthly construction progress meetings. Separate for the Plant and the Collection System work.

CED will prepare an agenda for each meeting and will prepare and distribute minutes following each meeting.

It is also anticipated that CED's Project Manager, from time to time, on an as-needed basis, will attend meetings of the LBSA to present possible Change Orders, provide project updates, or otherwise be available to answer questions or discuss issues related to the project.

Additionally, it is anticipated that each projects individual Project Manager and/or other technical staff will need to make periodic site visits to assist the RPR in addressing issues that may arise during the course of construction.

For the Plant, site visits will be required specifically for the checkout, start-up, and testing of equipment and systems.

Accordingly, CED has assumed the following:

- Attendance at ten (10) construction progress meetings at the site;
- Attendance at two (2) meetings of the LBSA;
- Eight (8) site visits by the Project Manager or other appropriate technical staff; and,

- Five (5) on-site observation days specifically for the checkout, testing, and startup of equipment and systems.

4.9 Construction Project Administration

In general, CED will perform the customary activities necessary for proper administration of each of the construction projects. These tasks include:

- Provide communication with the LBSA and Contractor throughout the duration of construction regarding such issues as progress, submittal status, construction challenges and their resolution;
- Review the Contractor's monthly payment requests, including final payment requests, and assist in the preparation the NJIB packages for payment/reimbursement;
- Provide communication and correspondence with the NJIB Consultant and the NJDEP as required;
- Maintain project files as required for periodic inspection by NJDEP;
- Effectively manage the project team and coordinate the activities of the office staff with Resident Project Representative;
- Perform the internal project administrative functions required to effectively manage the project, such as budget control and staff resource allocation;
- Follow quality assurance and quality control procedures;
- Prepare monthly invoices; and,
- Prepare reports and information as may otherwise be requested by the LBSA.

4.10 Record Drawings & Operation and Maintenance Manuals

For the Plant, CED will aggregate all Operation & Maintenance manuals and similar data as provided by the Contractor and provide same to the LBSA for their use and records prior to start up, testing and training.

At the completion of construction, for each project CED will review the red-line markups/drawings provided by the Contractor. CED will then prepare and deliver Record Drawings in a PDF format.

4.11 Post-Completion Support

NJDEP/NJIB requires a one (1) year post-completion inspection for each of the projects. Approximately one (1) year after substantial completion, we will coordinate with the LBSA and

will perform a visual inspection of the Work and subsequently prepare a memorandum of our findings, which will satisfy the NJDEP certification requirement and will notify the Contractor of any latent defects that become apparent during the first one-year period such that they can be addressed by the Contractor.

Similarly, the Contract is expected to require a two (2) year Maintenance Bond. Prior to the expiration of the two (2) year maintenance period, we will perform another visual inspection of the Work and subsequently prepare a punch-list/memorandum of our findings, which will identify any latent defects that presented during the two (2) year maintenance period. Once all defects (if any) are addressed by the Contractor, we will provide a recommendation for the release of the Contractor's two (2) year Maintenance Bond.

Phase 4.0 Estimated Fee **$675,525.00**

OPTION A VFD PLATFORM FOR EFFLUENT PUMPS

An elevated platform may be required for replacement of existing VFDs, located at the north corner of the existing Effluent Pump Station. There is ample room to install this platform adjacent to the existing northwest concrete wall of the station. The stair will need to be relocated, most likely to the northeast wall, where the existing VFDs are located now. The height of the new platform will need to meet the 500-year flood elevation requirements, plus one foot.

CED will design and detail structural steel framing and concrete foundations for the elevated platform, including the walkway, open bar grating, and a steel frame staircase for access. The platform will be supported by steel columns, which will be placed on shallow spread footings with pedestals.

Further, we anticipate the need for minor modifications/repairs to the existing concrete roof slab of the pump station, which is currently supporting the VFDs, such as removal of anchorage and patching the concrete around them, plugging of the conduit penetrations, as well as installation of additional hand railing.

Option A Estimated Fee **$17,000.00**

OPTION B SURVEY SERVICES FOR THE COLLECTION SYSTEM IMPROVEMENTS

We understand the LBSA's desire to complete the engineering services for this project in the most cost-efficient manner possible. In an effort to save on upfront costs it may be possible to plan and provide enough information on the bidding documents in the direct sewer replacement areas without land surveying to develop a base map. However, this presents some construction end risk for the work. In reviewing this proposal, we ask that the LBSA consider that risk and in that consideration weigh it against the cost to provide new road surveys for the preparation of site maps for the collection system work. Should the LBSA like to proceed with the preparation of new land surveys for the collection work CED will complete the following under this optional task.

Surveying will be performed, and mapping will be prepared for the project areas. Field survey and base mapping will be performed under the supervision of a professional land surveyor licensed in

New Jersey. The survey limits are to extend approximately ten (10) feet outside the limits of the existing paved roadway, on both sides of the roadway. The base mapping is to show property and right-of-way lines based on tax maps, existing available mapping, and property corners which are readily visible. Benchmarks will be established within each project area, with horizontal control to be State Plane NAD 83 and vertical control based on NAVD 88. Existing underground utility lines will be located based on field surveys and available mapping. It is presently anticipated that easement acquisition will not be necessary. Should there be any need to prepare easement surveys, these services would be outside of the scope presented herein.

Option B Estimated Fee **$14,375.00**

OPTION C PAVEMENT ASSESSMENT FOR THE COLLECTION SYSTEM IMPROVEMENTS

This task will consist of the performance of eight (8) pavement cores to assess the road conditions, such as pavement thickness and the presence of concrete subbase. The pavement cores will be advanced through the full depth of the asphalt and subbase with a minimum 6-inch rotary coring device. The cores will be extracted and delivered to the CED in-house laboratory for additional evaluation. Core holes will be patched with a suitable all weather permanent cold-patch pavement repair. All field work will be performed by a representative of CED. Road opening permits applications required for the pavement coring work will be completed and submitted by CED.

Option C Estimated Fee **$12,075.00**

OPTION D GEOTECHNICAL FOR THE COLLECTION SYSTEM IMPROVEMENTS

Under this task, a geotechnical investigation will be performed that consists of four (4) soil borings and monitoring wells to assess geotechnical and groundwater conditions along the alignment of the proposed sewer replacements. The test borings will be advanced with a truck mounted drill rig. A permanent groundwater monitoring well will be installed within each boring to assess groundwater levels. Each well will be provided with a cast iron flush-mounted well cap installed within the pavement. Our costs assume that the contractor performing the sewer replacement work will be responsible for abandonment of the monitoring wells. We anticipate that the proposed test boring locations will be located by a representative of CED based on existing site features and utility investigation. All field work will be performed under the full-time technical observation by a representative of CED. Initial coordination of utility clearances will be performed by contacting New Jersey One-Call for mark-outs. We will also perform ground penetrating radar (GPR) as an additional means to identify below grade utilities or other obstructions. As part of this scope, we will prepare and submit City road opening permits. LBSA will be responsible for the permit fee which is unknown at this time. This task includes two days of traffic control by a traffic control officer from Long Branch Police.

The borings and monitoring wells will be advanced to a depth of 20 feet below grade. Soil samples will be obtained from the test borings in accordance with ASTM Test Method D-1586, The Standard Penetration Test. Soil samples will be taken continuously to a depth of 12 feet and at maximum 5-foot intervals thereafter. Subsequently, the soil samples will be classified in the field in accordance with the Burmister Soil Classification System. Soil samples will be returned to our in-house soils laboratory

for further review. Select soil samples obtained will be subjected to laboratory testing to confirm visual classifications. We anticipate performing eight (8) grain size analyses (ASTM D422) tests. Boring logs that summarize the geotechnical and groundwater conditions will be prepared. These will be included in the contract documents.

Option D Estimated Fee **$26,450.00**

Schedule of Fees

For your convenience, we have broken down the total estimated cost of the project into the categories identified within the scope of services.

Phase Name	Fee
PHASE 1.0 DESIGN SERVICES	$ 349,825.00
PHASE 2.0 NJDEP/I-BANK FUNDING	$ 66,500.00
PHASE 3.0 BIDDING SERVICES	$ 32,925.00
PHASE 4.0 CONSTRUCTION SERVICES	$ 675,525.00
TOTAL ESTIMATED FEE	**$1,124,775.00**

Optional Items	Fee
OPTION A VFD PLATFORM FOR EFFLUENT PUMPS	$17,000.00
OPTION B SURVEY SERVICES FOR THE COLLECTION SYSTEM IMPROVEMENTS	$14,375.00
OPTION C PAVEMENT ASSESSMENT FOR THE COLLECTION SYSTEM IMPROVEMENTS	$12,075.00
OPTION D GEOTECHNICAL FOR THE COLLECTION SYSTEM IMPROVEMENTS	$26,450.00

This Contract and Fee Schedule are based upon the acceptance of Colliers Engineering & Design's Business Terms and Conditions contained in Section II of this Contract. Delivery, mileage, printing and reproduction, overnight mail service and postage costs are included in the above fees and will be added to each monthly invoice. **Payment terms are NET30 of receipt of invoice.**

Exclusions and Understandings

Services relating to the following items are not anticipated for the project or cannot be quantified at this time. Therefore, any service associated with the following items is specifically excluded from the scope of professional services within this agreement.

- Services not specifically outlined in Section I;
- Level II and Level III Environmental Review services;

- It is assumed that LBSA will be responsible for advertisement and costs for advertisement of Notice to Bidders in local publications;
- It is assumed that road opening permits (both municipal and county) will be secured by the contractor and will not be prepared and submitted during the design phase;
- All permit application fees, including those required for the pavement assessment field work, will be paid for by LBSA;
- The scope of work does not include arc flash analysis or lighting design;
- The proposed upgrades will not require improvements to the existing electrical service entrance and/or backup generator systems;
- All new control panels will tie into existing fiber patch panels. No electrical site work for control upgrades are anticipated;
- It is assumed that the electrical capacity to the digester buildings and effluent pump station building is adequate and will not require an electrical upgrade. No electrical site work for power upgrades are anticipated; and,
- The City's police department will be utilized for traffic control during the pavement core and geotechnical field work. Costs for traffic control indicated in this proposal are predicated on being able to perform the work as part of a rolling operation with police support. If the City requires additional traffic control, additional costs will apply.

If an item listed herein, or otherwise not specifically mentioned within this agreement, is deemed necessary, Colliers Engineering & Design, Inc. may prepare an addendum to this agreement for your review, outlining the scope of additional services and associated professional fees regarding the extra services.

Section II – Business Terms and Conditions

The Business Terms and Conditions are in accordance with our yearly contract.

Section III – Rate Schedule

The 2025 Rate Schedule is on file with the Authority.

Colliers
Engineering
& Design

Section IV – Client Contract Authorization

I hereby declare that I am duly authorized to sign binding contractual documents. I also declare that I have read, understand, and accept this contract.

Signature	Date
Printed Name	Title

If you find this proposal acceptable, please sign where indicated above in Section IV, and return one signed copy to this office. **Payment terms are NET30 of receipt of invoice**. This proposal is valid until November 10, 2025.

We very much appreciate the opportunity of submitting this proposal and look forward to performing these services for you.

Sincerely,

Colliers Engineering & Design, Inc.

John J. McKelvey, P.E., Sr. Project Manager
Associate

JJM/RAP/aw

cc: James Priolo, P.E., P.P., CME, CPWM, Colliers Engineering & Design, Inc. (via email)
Jordan Volk, P.E., PMP, Colliers Engineering & Design, Inc. (via email)
Robert A. Pennington, P.E., Colliers Engineering & Design, Inc. (via email)

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REMINGTON & VERNICK ENGINEERS

RVE HQ:
2059 Springdale Road
Cherry Hill, NJ 08003
O: (856) 795-9595
F: (856) 795-1882

September 9, 2025

Tom Roguski, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 720
Long Branch, NJ 07740

RECEIVED
SEP 9 2025
L.B. SEWERAGE AUTHORITY

Subj: Proposal Professional Engineering Consulting Services
Long Branch Sewerage Authority (LBSA)
2025 WWTP and Collection System Capital Improvements

Dear Mr. Roguski:

REMINGTON & VERNICK ENGINEERS, INC. (RVE) is pleased to provide this proposal for **2025 WWTP AND COLLECTION SYSTEM CAPITAL IMPROVEMENTS**. This proposal has been prepared in accordance with the LBSA RFP dated July 11, 2025, and Prebid Meeting performed on July 8, 2025. In addition, RVE participated in an onsite meeting on August 1, 2025, to gather additional data and we have a clear understanding of the project requirements and goals of LBSA.

Our experience with similar projects will allow us to support the LBSA in the following manner:

Partnership with the Authority
We believe good work starts with good communication. We stay in close contact with our clients from the beginning, making sure we understand what they need and what challenges they're facing. Throughout the project, we keep things clear and simple, regular check-ins, honest updates, and quick responses when questions come up. Our focus on quality shows up in the details: solid designs, clean documentation, and practical solutions that work in the field. We don't just hand over a set of plans, we stick with the project and stay involved, so the client always knows what's happening and can count on us to follow through.

Funding Expertise
Our team brings unmatched expertise in utility funding and grants—particularly through the New Jersey Infrastructure Bank (I-Bank). We currently serve the I-Bank under two separate contracts. The first involves direct representation of the I-Bank in reviewing and supporting funded projects statewide. The second is a unique award: we are the only firm in New Jersey selected to assist municipalities and authorities with navigating Technical Assistance and qualifying utilities for up to $2 million annually in engineering fees. This exclusive role reflects not only our deep understanding of the I-Bank's requirements and expectations, but also our reputation for quality, accuracy, and follow-through. Our experience spans application support, eligibility review, documentation compliance, and project closeout. We know what the I-Bank looks for—and we use that knowledge to help our clients secure funding faster, avoid delays, and stay in good standing throughout the life of the project.

Experienced Team
We have assembled an experienced team of RVE professionals that have a successful history of working on similar plant and conveyance project. Our team brings a rare combination of technical depth, field experience, and funding knowledge that makes us uniquely qualified to deliver this project with precision and reliability. The Team will be led by **James Hankins, PE**, who will serve as Project Manager. Jim leads our complex wastewater utility

TOM

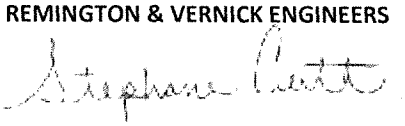
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projects and ensures every project is built on solid technical foundations and is committed to producing clear, reliable deliverables, on time and on budget. **Stephanie Cuthbert, PE, CME** will serve as our QAQC Manager. Stephanie is an Executive Vice President of the Water and Wastewater Division as well as serving on the firms Innovation Team. Jim and Stephanie will lead and be supported by an experienced Team of RVE professional that have a successful record working on similar wastewater treatment plant and conveyance projects.

We appreciate the opportunity to support this important project for LBSA and are committed to delivering reliable solutions, full compliance, and lasting value for LBSA and its ratepayers. We welcome any questions and look forward to the opportunity to further discuss our qualifications and approach. If you have any questions, please contact Jim Hankins at 732-864-6866 or james.hankins@rve.com

Sincerely,

REMINGTON & VERNICK ENGINEERS



Stephanie Cuthbert, PE, CME
Executive Vice President / Water & Wastewater Division

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Project Understanding & Approach

Section 1

REMINGTON & VERNICK ENGINEERS

Section 1
Project Understanding & Approach

Project Understanding

It is our understanding that the Long Branch Sewerage Authority (LBSA) is requesting engineering, permitting, I-Bank funding/compliance assistance, bid phase and construction / contract administration services for their 2025 WWTP and Collection System Capital Improvement Projects. The following outlines, *in brief*, our understanding of the Scope of Work to be performed under this project.

Wastewater Treatment Plant – Digester Cover Replacement

The project includes the replacement and upgrade of components for four existing digesters. Specific improvements include:

- Replacement of the inner and outer membranes on each digester cover
- Replacement of four (4) cover blowers per digester
- Installation of two (2) new heat exchangers (each serving two digesters)
- Replacement of identified digester gas valves
- Relocation of level control instruments for improved accessibility, including installation of isolation valves
- Installation of observation windows on each digester, if feasible
- Coordination of full digester cleaning with the contractor to be responsible for off-site solids removal. Sludge will be transported to PVSC per current LBSA practices
- SCADA integration and upgrades

Wastewater Treatment Plant – Emergency Effluent Pump Replacement

The Authority's backup pumping system will be upgraded to ensure continued reliability during high tide and emergency conditions. The scope includes:

- Replacement of two (2) existing dry pit submersible pumps, including new valves and piping
- Raising two (2) electrical control panels to mitigate flood risk
- Continued use of the 20" emergency discharge line for redundancy in effluent management

Sanitary Sewer Collection System – Sewer Main Replacement

Replacement of aging sewer mains at multiple locations throughout the service area, including:

- Removal of existing vitrified clay pipe (VCP) and replacement with SDR 35 PVC pipe
- Reconstruction at the following locations:
    - Slocum Place – approximately 600 linear feet
    - 6th Avenue – approximately 900 linear feet
    - West End Avenue – approximately 1,800 linear feet
    - 2nd Avenue to Ocean Avenue – approximately 200 linear feet
    - 3rd Avenue and West End – reconfiguration to modify flow direction

- Replacement of sewer laterals up to the curb line
- Full curb-to-curb roadway restoration
- Field survey required due to limited accuracy of existing record drawings

Engineering Services

Our team will provide full-service engineering support through all phases of the project, including:

- Topographic survey and Lidar survey at WWTP buildings (not specifically requested by RVE believe this will provide better design and bid documents for the LBSA
- Permitting and regulatory coordination
- New Jersey Infrastructure Bank (I-Bank) funding application preparation and support
- Preliminary and detailed design development including incorporation of LBSA comments and final design and development of bid documents.
- Bid phase support
- Construction phase services, including shop drawing review, contractor coordination, field visits, and preparation of final deliverables

PROJECT APPROACH

The following presents our detailed technical approach to the scope of work under this project.

Task 1 - Kickoff Meeting with LBSA & Document Review

We will begin with a structured kickoff meeting involving all key stakeholders from the Long Branch Sewerage Authority, our engineering team and any specialty vendors (i.e., SCADA integrator preferred by LBSA). The purpose of this meeting is to confirm project objectives, clarify scope boundaries, define communication protocols, and review all available documentation, including existing as-builts, SCADA operations, and inspection records. We will also discuss any known operational constraints that can be improved upon in our design and develop a coordination plan with LBSA operations staff to minimize disruption during field activities. The outcome of this meeting will be meeting minutes, stakeholder matrix, and a shared understanding of critical milestones.

Task 2 – Field Survey & Asset Assessments

Field Investigations – Asset Assessment

Following the kickoff, we will conduct a comprehensive set of field investigations, which will form the foundation for all design activities. First, we will perform condition assessments of the **digesters and emergency effluent pumping systems**. This includes visual inspection by our Team of Wastewater, Structural, Mechanical and Electrical Engineers to provide a comprehensive review and assessment. Our Team will document the integrity of the existing infrastructure from all engineering disciplines, operational performance, safety equipment, and document all components such as blowers, flame arresters, valves, sensors, and supports. We will identify any deterioration, corrosion, code deficiencies, operational issues relayed by LBSA operations, or safety risks and recommend targeted upgrades or replacements.

During the WWTP equipment assessment, our Team will compare the as-builts to the existing conditions at the WWTP so we may prepare our survey crew to collect missing or inaccurate data. Our Team will want to understand the following as a result of our time at the WWTP and discussions with Authority Operators:

- Review existing plant drawings, SCADA records, and maintenance logs to understand the original Westech digester cover installation and current system performance.
- Discussions with LBSA staff to confirm preferences for blower equipment, cover types, observation windows, and instrumentation access.
- Evaluate condition and capacity of existing heat exchangers and gas handling components to guide replacement recommendations.
- Assess feasibility of relocating level control instrumentation and integrating observation windows without structural modifications.
- Evaluate emergency effluent pump discharge hydraulics under various tide conditions and confirm required duty points for new pumps.

With respect to the **conveyance system**, our wastewater engineers will walk the project area and open manholes at the four identified locations in the collection system: Sixth Avenue, Slocum Place, West End Avenue, and Westwood Avenue. Our Team will look for any evidence of manhole deterioration, evidence of surcharge or non-regulatory spacing and existing utility conflicts.

As the first step in all projects, our team requests as built drawings from all public utilities (gas, electric, telephone, cable) in the work area. This information will be incorporated into our drawings and will serve as the first touch base with the existing utility companies that the LBSA will be conducting improvements in these areas.

To support design and conflict avoidance, our Wastewater Engineer will be onsite during the topographic survey to identify any unique information to be gathered by our in-house survey crew. This will avoid duplicate survey visits to collect missing data and avoid time delays in the design schedule.

Site Survey – Topographic and LIDAR

For the sewer main replacement areas and exterior improvement areas at the WWTP, we will perform a detailed topographic survey to support design and permitting. The topographic survey will include:

- Horizontal and vertical control established using GPS and conventional survey methods tied to NJ State Plane coordinates and NAVD88 datum
- Mapping of existing surface features including roadways, curbs, sidewalks, utility structures, visible utility markers, fences, trees, and man-made features
- Identification and elevation of sewer manholes, inverts, pipe sizes, and flow directions
- Survey of lateral locations and connections to confirm extents of replacement to the curb line
- Coverage of proposed construction limits at each location including 50' into each cross street at intersections to allow tie in / connection details:
    - Slocum Place – approx. 600 LF
    - 6th Avenue – approx. 900 LF
    - West End Avenue – approx. 1,800 LF
    - 2nd Avenue to Ocean Avenue – approx. 200 LF
    - 3rd Avenue & West End – including flow direction reconfiguration
- Surface detail to support full curb-to-curb restoration plans
- Identification of potential conflicts or constraints not captured in record drawings

The collected data will be used to generate a detailed existing conditions base plan, which will serve as the foundation for the conveyance system engineering design.

For the digester cover replacement and emergency effluent pump station upgrades, we will perform a **3D LiDAR laser scan** of all relevant building interiors and adjacent process areas. The LiDAR survey will:

- Capture high-resolution point clouds to create a fully navigable 3D model of the digester gallery and pump room. This may be used during the design phase by our engineers to confirm our field notes and identify conflicts. The 3D model will support clash detection, equipment layout validation, and construction phasing. It will also be used to generate 2D sections and elevation views for design documents and contractor use during installation. This file will also be provided to LBSA for your files and future use.
- The point clouds will be used to map and generate a **CAD drawing** with accurate current conditions. This will serve as the foundation for the WWTP design plans:
    - Existing visible aspects of digester covers, blower skids, and heat exchangers
    - Associated piping, valves, instrumentation, and supports
    - Structural walls, ceilings, and floors for coordination of new penetrations or window additions
    - Control panels, electrical conduits, and access pathways in the emergency effluent pump area
- The above information will be compared to existing as-builts and incorporated into those drawings to facilitate detailed design of:
    - New cover assemblies and associated mechanical appurtenances
    - Relocated level control instruments and isolation valves
    - Observation window placement (if feasible)
    - Pump, valve, and piping replacements, including spatial coordination of raised control panels

As noted, all survey and LiDAR data will be integrated into a common CAD format. Deliverables will include:

- Existing conditions base drawings in AutoCAD Civil 3D
- Point cloud files and viewer-compatible 3D models for LBSA use
- Annotated plans showing proposed improvements overlaid on existing features
- Survey control data and benchmarks for use during construction

This integrated approach ensures a high level of accuracy, reduces risk of unforeseen field conflicts, and streamlines the design-to-construction transition.

Task 3 – Design Phase

The design phase transforms the data gathered during Task 1 and 2 into a complete, buildable, and code-compliant set of construction documents. Our structured approach includes progressive design submissions at 30%, 60%, 90%, and Final stages, each building upon the previous with increasing levels of detail. This process allows for efficient Authority review, early issue identification, and smoother permitting and bidding phases. Our Team anticipates and proposes the following:

<u>Meetings with LBSA</u>

To maintain clear communication and project momentum, our Team will request biweekly coordination meetings with LBSA via Microsoft Teams throughout the duration of the project. Our Team enacted these meetings several

years ago and they have proved very valuable not only for the design team but also our clients. These meetings may last 15 minutes to an hour depending upon stage of the project.

Each virtual meeting will follow a structured agenda and include a two-week RVE look-ahead to review upcoming tasks, identify potential bottlenecks, and hold RVE accountable to the Authority. These meetings will provide a consistent forum to track progress, raise technical or logistical questions, and ensure alignment between LBSA and RVE.

In addition to the biweekly Teams calls, we will hold in-person milestone meetings at the 30%, 60%, 90%, and 100% design phases. Draft documents, drawings, and supporting materials will be submitted to LBSA at least one week prior to each milestone meeting to allow adequate time for review. These sessions will be used to walk through design progress, gather input, resolve outstanding decisions, and document any necessary changes. This structured communication approach ensures transparency, supports timely decision-making, and keeps the project moving on schedule.

Wastewater Treatment Plant (WWTP) Upgrades

The WWTP component of this project includes the replacement of digester covers and associated mechanical systems, as well as improvements to the emergency effluent pumping system. Our design approach emphasizes system reliability, constructability, and minimal disruption to ongoing operations with the following approach and aspects.

30% Design Phase:

- Basis of Design (BoD) Report
- Preliminary Opinion of Probable Construction Cost (OPCC)
- Preliminary project schedule
- Equipment selection alternatives and layout
- Code and regulatory compliance matrix
- Preliminary Sequencing Plan for uninterrupted operation
- Technical Specifications Table of Contents
- *Perform 30% QAQC Review*

60% Design Phase

- Prepare demolition and replacement plans for the digester covers, blowers, valves, and heat exchangers, including coordination of mechanical, electrical, and instrumentation systems.
- Design relocation details for level instruments and include improvements as part of the final layout.
- Provide structural details (if needed) for integration of observation windows in the digester.
- Design new emergency pump assemblies, including:
    - Pump selection and layout within the dry pit
    - New discharge piping, check and isolation valves
    - Raised control panels and electrical modifications to reduce flood risk
- Integrate system improvements into existing SCADA and controls architecture.
- Develop phasing plans to maintain plant operations throughout construction, ensuring one or more digesters and the emergency pump system always remain functional.
- *Perform 60% QAQC Review and Infield Constructability Review*

Note: RVE plans and specifications at the 60% are of the technical nature and with sufficient detail to submit permit applications at the 60% design phase.

90% and Final Bid Documents

- Prepare full bid-ready documents including plans, specifications, construction sequences, equipment schedules, and startup requirements.
- Include technical sections for mechanical, structural, electrical, and instrumentation work.
- Provide cost estimates at 90% and 100% design stages for review and funding alignment.
- *Perform 100% QAQC Review*

Sanitary Sewer Conveyance System Improvements

The collection system improvements include replacing aging vitrified clay sewer mains, redirecting flow paths, and restoring surface conditions. Our approach focuses on minimizing disruption to residents, improving hydraulic performance, and addressing long-term maintenance needs.

30% Design Phase

- Confirm topographic & utility surveys for all locations
- Field verification of:
  - Flow direction
  - Pipe sizes & materials
  - Lateral locations
  - System connectivity
- Identify:
  - Utility conflicts
  - Access/traffic constraints
  - Surface restoration limits
- Develop:
  - Conceptual pipe alignments
  - Lateral replacement extents
  - Preliminary slope, depth, bedding criteria
  - Draft basis-of-design memo
  - Preliminary cost estimate (±30%)
- *Perform 30% QAQC Review*

60% Design Phase

- Finalize pipe alignments (horizontal/vertical)
- Draft plan & profile sheets
- Design:
  - Manhole replacements
  - Lateral connections (to curb line)
  - Flow redirection
- Add trench, backfill, and bedding details
- Draft surface restoration plans (curb-to-curb)
- Outline bypass pumping strategy
- Updated cost estimate
- *Perform 60% QAQC Review and Infield Constructability Review*

Note: RVE plans and specifications at the 60% are of the technical nature and with sufficient detail to submit permit applications at the 60% design phase.

90% and Final Bid Documents

- Complete plan & profile sheets
- Final:
  - Manhole & lateral details
  - Flow redirection layout
  - Roadway restoration plans
- Add detail sheets (trenching, connections, utilities, traffic control)
- Technical specifications (materials, installation, bypass, etc.)
- Prepare permit submittal list
- Final sealed drawings (all plans, profiles, and details)
- Final specifications (technical + general conditions)
- Final unit-based cost estimate (I-Bank & bid-ready)
- Final bid package:
  - Bid form
  - Instructions to bidders
  - Schedule of values
  - Final permit approvals
  - Construction sequencing/phasing plan
- Perform final QA/QC review

Task 4 - Permitting

Permit Application, Coordination, and Timeline Management

Permitting is a critical phase that bridge design completion, NJ IBank approval and construction authorization. It involves coordinating with multiple regulatory agencies to secure approvals that ensure the project complies with environmental, public safety, and utility requirements. Our approach is designed to streamline the permitting process, minimize delays, and keep the overall project on schedule.

Permit Application and Documentation Preparation

Upon completion of the 30% design, our permitting team will begin preparing the required permit applications and supporting documentation. This includes assembling technical drawings, design calculations, environmental assessments, and any required signatures from the LBSA. Based on the nature of the improvements at the WWTP and within the collection system, we anticipate the following permitting actions:

- **Submission for NJDEP Treatment Works Approval –** should any of the final selected equipment at the WWTP differ in terms of capacity or should we add or modify any of the unit process, alter flow paths or treatment schemes, we will be required to obtain a TWA.

  Under the RFP, the effluent pumps are required to be increased in capacity to the maximum extent possible. Accordingly, this will require a TWA permit with the NJDEP. Our Team will prepare a permit application including forms, engineering report, certifications, and detailed plans related to treatment plant modifications and pump upgrades.

- **Submission to Freehold Soil Conservation District (FSCD) –** the gravity main improvements will require a SCD permit. Our Team will prepare the necessary permit applications for signature by the LBSA and the appropriate plans, specifications and details will be submitted to FSCD.
- **Coordination with County and Local Utility Agencies**, where applicable, particularly for work impacting roads, utility corridors, or areas requiring traffic control or right-of-way access. This may include street opening permits, utility connection approvals, and local environmental ordinances.

Our team has experience with specific forms, digital submittal platforms, and review processes used by NJDEP and local jurisdictions, which enables us to reduce rework and resubmittals. Where possible, we will package permit applications in a manner that allows for parallel reviews, accelerating approval timelines.

Tracking and Timeline Coordination

We will maintain a permit tracking log that identifies each required permit, its submission date, responsible agency, reviewer contact information, expected turnaround time, and current status. This log will be updated bi-weekly and shared with the Authority during progress meetings.

Critical path items—such as NJDEP TWA—will be prioritized and submitted early to allow for the agency's internal processing time, which may include up 90 days. Our Project Manager will maintain regular contact with agency reviewers, respond promptly to information requests and escalate concerns where delays could impact the construction start date. Our Team has been asked in recent submissions to request a 30 day extension for TWA permit review by the NJDEP. Our Team has employed a strategy of staying in contact with the NJDEP reviewer and offering Teams meetings to answer questions. This seems to have helped and avoids delays during the permitting process.

Since the project is funded via the NJDEP/I-Bank, we understand that timely permit approvals are tied directly to funding eligibility and construction schedules. Therefore, we integrate permit timelines into the overall project schedule and identify key decision points where additional Authority input or external coordination may be required to avoid bottlenecks.

Critical Path Tasks

- **Early Identification of Permit Requirements:** During the 30% design phase, we will confirm all permits required and initiate pre-application discussions with NJDEP and local authorities. At the 30% Design Phase our Team will provide permit applications and permit review fee check request to the LBSA so that all information is ready to submit when plans and specifications have reached the 60% design review.
- **Submission of NJDEP TWA Permit Application:** This is a critical path task that governs when I-Bank applications may be approved and must be submitted promptly after 60% design completion.
- **Utility and Local Permits:** For sanitary main work in the right-of-way , our Team will coordinate with local or county agencies for approvals, these must be submitted in parallel to NJDEP to maintain the construction schedule.
- **Permit Tracking and Follow-up:** Consistent follow-up with agencies is critical to prevent permitting delays from affecting procurement or construction mobilization.

Task 5 - Bid Phase

The same Design Team will be involved in the Bid Phase. This includes obtaining Authorization to Advertise from the I-Bank, attending the Pre-Bid Meeting, preparation of the agenda and minutes. In addition, all contractor RFI's will be responded to, and our Team will develop all addenda, as necessary, including obtaining approval from the I-Bank prior to issuance to the contractors. Finally, our PM will attend the Prebid meeting, bid opening, and our Team will review the bids, prepare a bid tabulation, provide a written opinion of award and request Authorization to Award from the I-Bank.

Task 6 - Construction Administration & Inspection

The Construction Administration portion of this project will involve our designated PM, one of our WWTP Treatment / Conveyance specialized Field Inspectors. The project will commence with a pre-construction meeting that will be attended by our PM, Field Inspector, and we will ensure that the NJ I-Bank is at the meeting. The meeting will detail, establish, and reinforce requirements declared in the contract documents. RVE will chair, prepare, and distribute meeting minutes. A Notice to Proceed (NTP) will be issued.

During the design phase, the list of shop drawing submittals will be developed, included in the Technical Specifications and distributed at the Preconstruction meeting. These will require contractor submission within **three** weeks after NTP. RVE will prioritize and complete all submittal reviews within seven calendar days. If a submittal is incomplete or not according to specifications, the design engineer reviewer will telephone and address the situation verbally with the contractor to save time and eliminate back and forth submissions.

Back and forth submittal rejections may have implications. The contractor or equipment supplier needs to receive submittals and correctly address each in a timely manner. RVE will take all steps necessary through complete and detailed construction documents and high level, clear communication of all needs at pre-construction and project progress meetings to improve the quality and completeness of contractor submittals.

RVE will comply with construction phase requirements. The following highlights some of these responsibilities.

Construction Progress Meetings: RVE will coordinate, schedule, and attend progress meetings every two weeks for the life of the project. We will provide an agenda, document the discussions, prepare meeting minutes and distribute minutes for each meeting as required for the projects. Our Team will invite the I-Bank to attend meetings and will provide meeting minutes to the I-Bank PM if they are not available to attend.

RFI: RVE will track and record all contractor's Request for Information (RFI). The team will review with the Design Engineer to provide clarification of the meaning and intent of the drawings and specifications. We will create and maintain an RFI log to track all submitted RFI's and ensure timely responses.

Review of Monthly Invoices: RVE will review invoices submitted by the contractor. The material installed will be reviewed with our Field Observer to confirm quantities of material installed as well as adherence to I-Bank BABA requirements. The review invoice for quantities will be approved and forwarded to the LBSA PM for processing.

Change Orders: The Team will review, negotiate, and make recommendations for all Authority initiated and/or contractor requested change order requests. In the event a field modification is necessary our Inspector will notify the Authority and upon approval from the I-Bank, our Inspector will direct the contractor to proceed with the work. The Inspector will review cost breakdowns for fair and reasonable pricing and provide a recommendation to the Authority.

Construction Field Oversight Services

The construction phase inspection will be completed on a full-time basis due to I-Bank requirements based upon **1,500 hours**. In addition, our engineers will be present during start up to assist with any troubleshooting to place the upgrades online.

Our Team will also ensure that the following is completed:

Preconstruction Photographs: **the** preconstruction photos will be taken prior to construction and provided to the LBSA PM for documentation. Photos of the entire area will be taken; however, additional photos will be taken of the areas in the ROW and adjacent to private properties. We want to ensure that these areas are documented for any future complaints by the municipality and/or private residents.

Inspection Procedures: RVE will ensure the contractor's work is being performed in accordance with the requirements of the Contract Documents. Our Inspectors and Engineers will first address the Contractor, then make recommendations to the Authority when the requirements of the contract are not being fulfilled. Progress of the work will be recorded in the following manner:

- Daily inspection reports will be prepared for all construction activities. Reports will be electronically generated with a minimum of 8 daily digital photos that will be incorporated into the electronic inspection report. All electronic inspection reports are time stamped. The inspection reports will be provided at the end of each week once they have received our internal QAQC. Should there be any questions, our Inspector, PM, is immediately available to answer any questions that may be noted in the inspection report.
- Weekly or monthly progress summaries will be prepared and distributed as required at the frequency of the LBSA. The summaries will include status of construction activities, indicating percentage of work complete, and estimate of actual pay item price for comparison to total contract price.

Construction Progress Meetings: RVE will coordinate, schedule, and attend and chair progress meetings every two weeks or at a different timeframe for the life of the project. We will provide an agenda, document the discussions, prepare meeting minutes and distribute minutes for each meeting as required for the projects.

Substantial Completion: Upon receipt from the Contractor that the work has reached completion and is ready for inspection and acceptance, our Inspector and design team will perform a substantial completion inspection of the work. With input from the PM/ Design Engineer, our Inspector will prepare a punch list and notify the Contractor of the necessary instructions for correction of deficiencies, including incomplete or unsatisfactory work along with the schedule for completion of such incomplete or unsatisfactory work. Our Inspector, with input from the PM / Design Engineer, will determine when the project is substantially complete.

Final Inspection: Upon receipt from the Contractor that the work has reached final completion and is ready for final inspection and acceptance, our Inspector will perform a final inspection of the work. A punch list will be prepared and maintained until all open items are completed and approved. When the team finds the work to follow the Contract documents and with input and confirmation from the Authority and Operational Staff, we will issue Certificate of Final Completion. RVE will finalize all as-built quantities for all pay items and change orders and create a final estimate for all work to close out the project.

As-Built Drawings: The Team will ensure that a set of red-line as-built drawings will be prepared, maintained, and updated, as required, during construction activities. Our office will provide both hard and electronic copies of the as built information for use by LBSA.

Task 7 – Project Closeout

Project Closeout will include the following:

- Final inspections and punch list management.
- As-built drawings and GIS-format lateral/cleanout data.
- Obtain all warranties, O&M Manuals, bonds and satisfactory employee training

- NJDEP/I-Bank closeout forms and documentation packages.

Task 8 – NJ I-Bank Funding

Included on our Team is one of our funding experts. This expertise includes NJ IBank funding which will be required under this project. The following are just a few tasks which must be completed for compliant I-Bank funding projects:

Design Phase Submissions

- Treatment Works Approval (TWA)
- Engineering design reports
- Plans and specifications
- Hydraulic calculations and flow projections
- Environmental Decision Document
- Water Quality Management Plan (WQMP) consistency certification
- NJPDES permit coordination (if discharge is affected)

Pre-Bid / Final Design Submissions

- 100% biddable construction documents (sealed plans & specs)
- Final cost estimate (detailed and unit-based)
- Certification of readiness to proceed
- Permits and agency approvals in place or pending issuance

Construction Phase Requirements

- Contract award documentation
- Construction schedule
- Monthly progress reports to NJDEP/I-Bank
- Change orders submitted for NJDEP approval before execution
- Ongoing compliance reviews during construction. RVE obtains a 3 ring binder of all documents including inspection reports, shop drawings, approvals, permits, etc. onsite for DEP inspections. This has created seamless inspections for our projects and prevents delays in payments from the I-Bank.

Project Closeout Requirements

- Final certifications of completion
- As-built drawings
- Final request for disbursement
- Operation and maintenance manuals (if required)
- Final inspection and NJDEP/I-Bank sign-off

Project Team Members & Organizational Chart

Section 2

REMINGTON & VERNICK ENGINEERS

We've assembled a project team whose experience directly reflects the scope and complexity of this project. Each member was selected based on their successful involvement in projects of similar nature, scale, and technical requirements. This ensures not only a high level of expertise, but also a understanding of the specific processes, risks, and success factors involved. The team will remain consistent throughout all phases of the project, from initial planning to final delivery and construction closeout. This continuity enhances team alignment, streamlines decision-making, and ensures consistent focus on project goals, deadlines, and quality expectations.

Resumes of individuals assigned to this project are provided in **Section 6 – Team Member Resumes.**

LBSA
LONG BRANCH SEWERAGE AUTHORITY

Regional Manager
James Oris, PE

Project Manager
James Hankins PE

QA/QC Manager
Stephanie Cuthbert, PE, CME

Technical Lead
Dennis Yoder, PE, CME, LEED AP

Key Team Members

Treatment Plant Upgrades
Gregory Sullivan, PE
Eric Rauch, PE
Christopher McCormick, EIT

Conveyance System Design
Timothy Marques
Julia Amick, EIT

NJ I-Bank & Funding Lead
Mark Hubal, PE

Surveying Lead
Charles Adamson, PLS, AET, NP

Structural Engineering Lead
Jacqueline Trovato, PE

Electrical Engineering Lead
Kavan Smith, PE

Permitting Lead
Monica Bell, PE

Construction Inspection / Administration
Gabriel Parent, NICET IV, CMI, ACI, TCC – Inspector/Contract Admin
James Lynch, S-3,C-3,T-2,W-3 - Inspector

Relevant Experience & References

Section 3

REMINGTON & VERNICK ENGINEERS

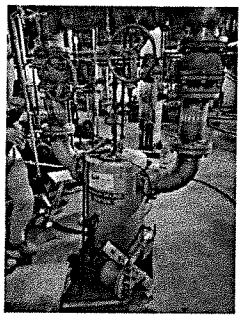
Digester No. 3 Rehabilitation

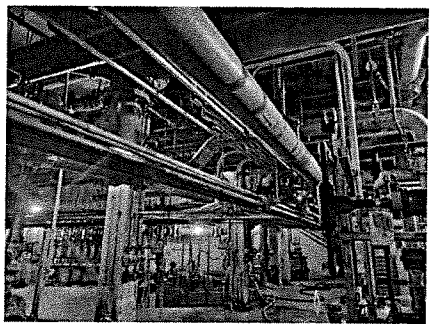
Elizabeth, NJ

Client:
Joint Meeting of Essex and Union Counties

Project Duration:
September 2022 to November 2023

Construction Cost:
$5,100,000





RVE provided full engineering services for the rehabilitation of Digester No. 3 at the Joint Meeting's Wastewater Treatment Plant in Elizabeth, New Jersey. The project involved significant upgrades to a 95-foot diameter anaerobic digester equipped with a gas-holding floating cover. The primary scope included the removal and replacement of the gas holder cover, modifications to the digester's sludge and gas piping systems, evaluation and upgrades to the jet mixing system, and thorough internal and external inspections of the tank. These inspections created the basis for the development of structural repair recommendations, particularly for deteriorated concrete surfaces. All improvements were evaluated not only for structural integrity but also for enhancements in operational efficiency and ease of maintenance.

The project was funded through the New Jersey Infrastructure Bank (NJ I-Bank) Program. In support of the funding process, RVE prepared the required technical documentation and assisted in completing the Environmental Planning Document (EPD), SED Utilization Plan and Resiliency Plan, ensuring compliance with NJDEP and NJ I-Bank requirements.

RVE's responsibilities extended through all project phases, beginning with detailed design. Key tasks included preparing a comprehensive project schedule, sizing and specifying the new gas holder cover and associated appurtenances, developing existing condition drawings, and generating a site piping plan for both sludge and gas systems. RVE also identified all applicable permits and approvals, confirmed the sludge process flow diagram, and coordinated with the jet mixing equipment manufacturer to assess and integrate any necessary upgrades to the mixing system. The team completed a preliminary cost analysis, participated in design review meetings with the client, and conducted a full structural evaluation of both the interior and exterior elements of the digester.

During the final design phase, RVE prepared demolition and site plan documents, developed construction staging plans and logistics strategies, and produced technical specifications for the new digester cover, painting systems, and required structural repairs.

JMEUC is currently working with their Joint Members to enter the bid and construction phase. RVE will support the bid phase by responding to contractor inquiries, issuing clarifications and addenda, and reviewing bids for conformance with project requirements. During construction, RVE will provide full time construction inspection and administration services, including submittal and shop drawing reviews, field inspections, progress meeting participation, and verification that the work was completed in accordance with design documents and funding program requirements.

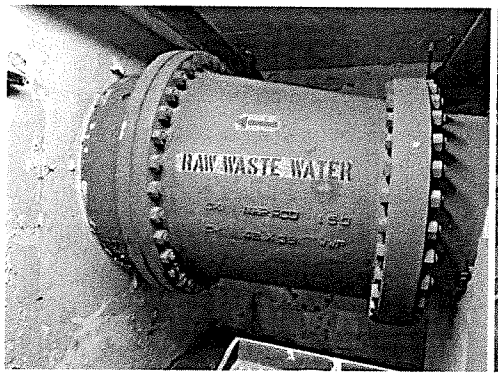
Since the project is funded via the I-Bank, close conformance with the EPA's AIS or Build America, Buy America (BABA) requirements will be followed during shop drawing review and during construction inspection. All records will be maintained to support any audits during and two years after contract completion.

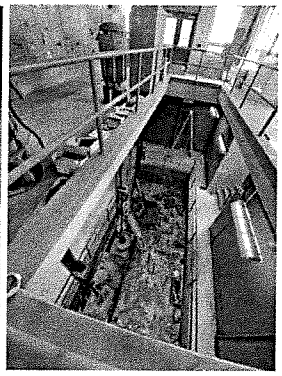
Force Main Dualization Including Pumps, Pipe Gallery and Valves

Linden, NJ

Client:
Linden-Roselle Sewerage Authority

Project Duration:
April 2023 to In Construction





RVE is providing engineering and design services to perform the Influent Headworks Modifications at the wastewater treatment plant in Linden, NJ. The LRSA has a main trunk line in the pump station building that feeds the plant. This is the sole source of supply for the plant and has six pumps connected to it. The line was installed in 1940 and has cast iron components that are corroded. Portions of the line have been repaired in the past. Cast iron welding is difficult and requires a rust-free surface to seal and adhere to the pipe. Currently, the line is starting to leak from several rusted areas on the pipe. Contractors contacted to perform the welding and/or epoxy coating on the pipe have expressed concerns due to the status of the pipe (rust or leaks) and their inability to provide a secure seal. Integrity testing was performed on the line in late 2021. The testing indicated that the pipe thickness has been compromised due to wear and tear over the years of plant operation. A temporary pipe repair was performed and the areas of concern were reinforced with fiber wrapping.

RVE recommended replacing the trunk line with ductile and/or HDPE pipe and dualizing the line to create operational redundancy (have two lines feeding the plant with three pumps on each line). The facility operates on two pumps most of the time and dualizing the line will provide LRSA with the option to perform maintenance as needed and keep the plant online without the need for external bypass pumping. Additionally, RVE recommended evaluating and replacing wear items on the sluice gates during trunk line repairs. The sluice gates are leaking and letting wastewater through, which makes it difficult to isolate the plant and carry out repairs when required.

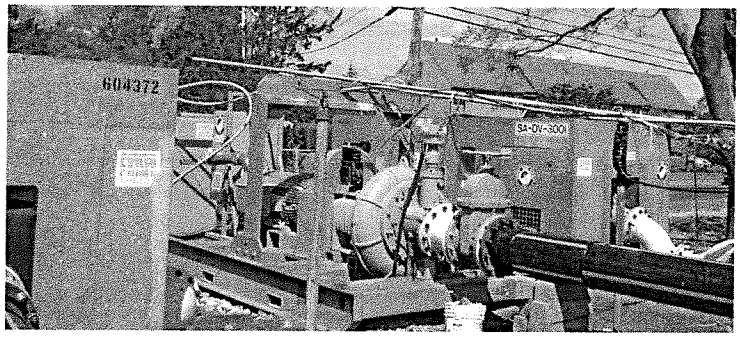
Tasks include project management, permitting, design development, NJ I-Bank funding application and final design. A Treatment Works Approval (TWA) permit is required for endorsement by the authority and the fee calculation will be developed. The TWA application will be submitted before 100% finalization of the plans. Design development involves developing drawings and specifications for headworks modifications, including evaluating sluice gates and discharge piping. An underground utility location will be conducted by a third-party provider. The project will be funded through the NJ I-Bank and RVE will work with LRSA to obtain funding. The NJ I-Bank funding application will include completing electronic applications, environmental decision documents and obtaining approval from NJDEP. The final design phase involves preparing final project documents, cost estimates, quality control, constructability reviews and attending project design meetings.

Eight Pump Stations - Northern Pump Stations – 20 to 32 MGD – NJ I-Bank Funding Adherence, Design / Permitting, Construction Management / Field Oversight

Ocean County, NJ

Client:
Ocean County Utilities Authority

Fees:
$230,000



RVE was retained by the Ocean County Utilities Authority (OCUA) to provide full engineering services for the rehabilitation and upgrade of eight wastewater pump stations located in the Northern Service Area. OCUA owns and operates three wastewater treatment plants (20–32 MGD) and 40 wastewater pumping stations across Ocean County and portions of southern Monmouth County. The subject pump stations, averaging 30 years in age, had experienced limited upgrades since their original construction. While generally in satisfactory condition, field assessments identified concrete deterioration in the wet wells, mechanical and electrical deficiencies, and operational limitations that required targeted rehabilitation and capacity improvements.

Pump Station Assessments & Scope Development

- Conducted field assessments of structural, mechanical, electrical, and SCADA components.
- Evaluated wet well structural integrity, noting significant concrete deterioration and recommending repairs with protective coatings.
- Assessed hydraulic performance to confirm existing and future pumping demands through onsite pump tests
- Reviewed site access, safety provisions, confined space entry conditions, and emergency power capabilities.
- Developed a scope of improvements for each pump station tailored to operational needs, long-term reliability, and compliance with OCUA standards.

Design and Plan Preparation

Based on assessment findings, RVE prepared detailed design plans and technical specifications for public bidding in compliance with SRF funding requirements, including:

- Temporary bypass pumping system designs to maintain uninterrupted service during rehabilitation.
- Concrete repairs and coatings for wet well walls to restore structural integrity and extend service life.
- Hydraulic upgrades at Pump Station NPS-5 to increase capacity by 4,700 gpm, enabling the station to reliably handle peak flows of 21.2 MGD.
- Electrical system upgrades, including replacement of emergency generators sized for increased loads, new automatic transfer switches (ATS), and miscellaneous control equipment replacements.
- Mechanical upgrades, including replacement of existing comminutors, installation of new piping, and addition of permanent bypass pumping connections for future maintenance.
- Safety and operations enhancements, such as access improvements, confined space considerations, and ventilation upgrades where required.

Permitting, Regulatory Compliance and Funding Adherence

- Coordinated with NJDEP for applicable wastewater approvals, including Treatment Works Approval (TWA) for pump upgrades.

- Addressed environmental permitting for site work, utility modifications, and bypass pumping operations.
- Ensured compliance with local planning/zoning and county requirements.
- Integrated SRF funding requirements into design, including Davis-Bacon wage compliance, American Iron and Steel (AIS) provisions, and reporting obligations.

Bidding and Construction Support

RVE supported OCUA throughout the procurement and construction process, providing:

- Preparation of bid packages including front-end documents, specifications, and design drawings.
- Construction management services, including contractor coordination, shop drawing review, response to RFIs, and issuance of field inspection reports.
- Full-time field oversight during bypass pumping, concrete restoration, and installation of mechanical/electrical systems to ensure contractor compliance with design and safety requirements.
- Verification of generator start-up, pump performance testing, and commissioning of upgraded SCADA controls.
- Preparation of as-built documentation and funding compliance reports.

Deliverables

- Pump Station Assessment Reports with prioritized recommendations.
- Technical Memorandum identifying details of the improvements and supporting calculations
- Preliminary and Final plans and specifications meeting SRF requirements for public bidding.
- Permitting documents for state, county, and local agency approvals.
- Construction phase deliverables, including daily inspection logs, meeting minutes, and certification of completed work.

Summary

This project delivered critical structural, mechanical, and electrical upgrades across eight pump stations, ensuring long-term reliability and increased capacity to serve Ocean County's Northern Service Area. By integrating detailed assessments, scope development, permitting, funding compliance, and construction oversight, RVE successfully restored critical infrastructure while positioning OCUA for sustainable operations under SRF funding guidelines.

Bergen County Utilities Authority – Influent PS Rehabilitation – 120 MGD

Little Ferry, NJ

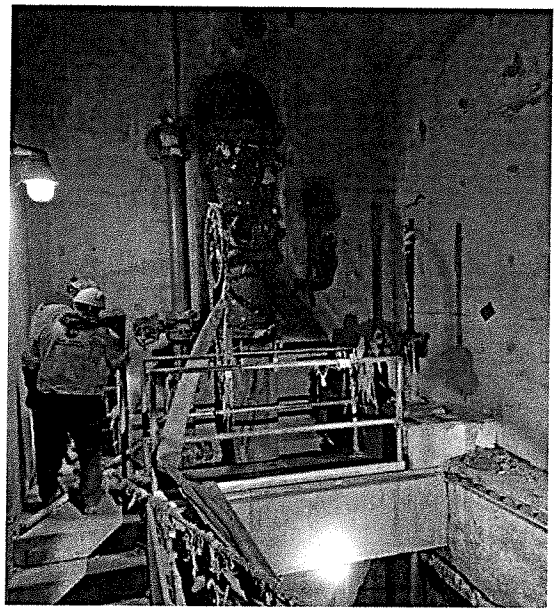
Client:
Bergen County Utilities Authority

Client Reference:
Ronald Phillips, Chairman
201-641-2552

Duration:
August 2022 to August 2023

Construction Costs:
$5,846,000

Essential Team Members:
Stephanie Cuthbert
Dennis Yoder
Gregory Sullivan
Kavan Smith



RVE was retained by the Bergen County Utilities Authority (BCUA) to provide full engineering and construction oversight services for the bypass pumping, cleaning, inspection, and rehabilitation of the wastewater treatment plant (WWTP) influent station, which had never been fully inspected due to operational challenges. Following Hurricane Ida, flows peaked at 240 MGD, double the system's design capacity, carrying heavy loads of grit, debris, and trash into the influent station. This unprecedented deposition made the bypass, cleaning, and rehabilitation of the wet well a top priority for maintaining reliable WWTP operation. The following was completed as part of the project:

Bypass Pumping and Flow Management

- Design and oversight of a temporary bypass pumping system capable of handling peak flows while protecting plant operations.
- Development of contingency plans for storm events during construction.
- Coordination with BCUA operations to ensure uninterrupted treatment processes.

Wet Well Assessment and Cleaning

- Full dewatering and drawdown of the wet well for entry.
- Removal of accumulated grit, rags, trash, and other debris deposited during Hurricane Ida.
- Confined space entry protocols implemented under OSHA standards, with continuous atmospheric monitoring and emergency rescue provisions.
- Structural assessment of the wet well walls, slab, and support structures, including inspection for corrosion, cracking, or spalling.
- Verification of sluice gate integrity, ensuring gates were watertight and capable of withstanding the isolation required during cleaning and rehabilitation.

HVAC, Ventilation, and Safety Systems

- Design and installation of a temporary and permanent ventilation system to ensure safe working conditions during cleaning and long-term operation.

- Replacement and improvement of ductwork and ventilation fans to meet current code requirements and provide reliable air exchange.
- Integration of HVAC upgrades with the facility's electrical systems to ensure resilience during high-flow and bypass events.

Electrical and Lighting Improvements

- Assessment of existing lighting inside the wet well and adjacent access areas.
- Installation of code-compliant, explosion-proof LED lighting to provide safe visibility for operations and maintenance staff.
- Coordination of new electrical work with the MCC and SCADA systems to ensure compatibility.

Safety and Access Upgrades

- Rehabilitation and improvements to the wet well walkways, railings, and access hatches to meet OSHA and BCUA standards.
- Review of confined space entry access points to optimize safety and usability for future inspections and maintenance.
- Coordination with BCUA's Health and Safety Team to integrate internal safety protocols into all design and construction activities.

Ancillary System Modifications

- Isolation and temporary rerouting of drain lines and recirculation lines that discharged directly into the wet well during rehabilitation.
- Review of hydraulic impacts of line shutdowns and confirmation that plant operations remained unaffected.

Construction Oversight and QA/QC

- 24/7 construction oversight during bypass pumping, cleaning, and rehabilitation to ensure adherence to design and safety standards.
- Shop drawing and submittal reviews, RFI responses, and coordination with the contractor for efficient execution.
- Daily inspection reports documenting progress, health and safety compliance, and field conditions.
- Coordination with BCUA operations to reinstate flows after construction completion.

Deliverables and Outcomes

- Preparation of inspection reports documenting wet well conditions and rehabilitation improvements.
- Updated as-built drawings reflecting new HVAC, ventilation, lighting, and walkway improvements.
- Final certification of work completion, ensuring the influent station was restored to safe, operable condition with improved worker access and plant resiliency.

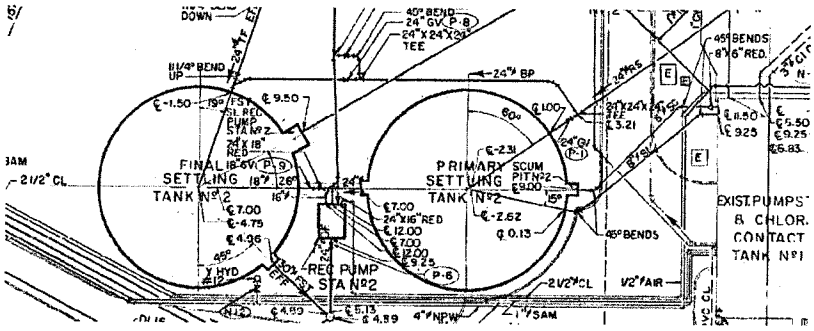
Wastewater Treatment Plant – Train 3 Upgrades

Neptune Township, NJ

Client:
Township of Neptune Sewerage Authority (TNSA)

Duration:
Final Design Phase

Construction Cost:
$4,100,000



RVE was retained by the Township of Neptune Sewerage Authority (TNSA) to provide engineering services for improvements to Train 3. The Treatment of Train 3 includes influent pump station, grit chamber, primary clarifier, trickling filter and final clarifier improvements. This project involves comprehensive upgrades to Train 3. The scope of work includes improvements to critical process units: the influent pump station, primary clarifiers, trickling filters, and final clarifiers. All upgrades are designed to improve hydraulic capacity, operational efficiency, and regulatory compliance.

Basis of Design

The basis of design reflected current and projected flow rates, loading conditions, and regulatory requirements. Hydraulic calculations have been completed to confirm capacity upgrades meet peak and average flow scenarios. Design criteria are aligned with consideration for future plant redundancy and operational flexibility due to wet weather peak flows from sending districts.

Design Plans and Specifications

Design documents include detailed plans and technical specifications for all equipment upgrades and structural modifications. Key components include:

- **Influent Pump Station**: Replacement of pumps, installation of variable frequency drives (VFDs), new level controls, and wet well modifications to optimize flow management.
- **Primary Clarifiers**: Refurbishment of mechanical equipment, scum collection systems, and structural rehabilitation to restore original design performance.
- **Trickling Filters**: Rotary distributor upgrades, and flow control improvements to enhance biological treatment efficiency.
- **Final Clarifiers**: Replacement of scraper mechanisms, weir leveling, and recirculation pumps and piping review.

All hydraulic profiles were recalculated and updated to reflect proposed improvements. Modifications ensure that gravity flow is maintained where required and that pumping systems are adequately sized for revised flow conditions.

This effort ensures that Train 3 will operate with increased reliability, improved treatment performance, and compliance with all discharge requirements.

Phase 7B Water & Sanitary Main Assessment / Rehabilitation / Replacements

Jersey City, NJ

Client:
Jersey City Municipal Utilities Authority (JCMUA)

Duration:
October 2022 to Present (pending funding)

Engineering Contract Amount:
$1.18 million

Construction Contract Amount:

To be determined

Reference:
Richard Haytas, PE, Chief Engineer
201-432-1150
r.haytas@jcmua.com

RVE was retained by JCMUA to provide professional engineering services for the replacement and rehabilitation of both water and gravity sanitary mains across multiple streets in Jersey City. As part of the Phase 7B project, replacements are planned at 16 locations throughout the city. The most extensive improvements are planned along Warner Avenue and Broadway. Existing infrastructure in these areas primarily consists of cast-iron pipes ranging from six to 20 inches in diameter.

RVE is supporting the project through the feasibility study, design development, hydraulic calculations and profile creation, permitting, and bid and construction administration phases. The work is being carried out in accordance with IBank funding requirements, ensuring full compliance with program guidelines for eligibility and financing.

The project involves detailed analysis of both water and sanitary systems, including system modeling and capacity assessments. RVE developed base plans, conceptual and final design documents, and completed right-of-way and easement documentation as needed. Hydraulic profiles were generated to ensure proper system flow and capacity, particularly in areas with elevation changes or constrained alignments.

One of the core challenges in this and other JCMUA projects is the urban context—specifically, high-traffic corridors and the presence of contaminated soil and groundwater. RVE assigned an in-house Licensed Site Remediation Professional (LSRP) to evaluate environmental conditions, determine contamination levels, and structure bid documents to address soil handling and disposal requirements efficiently.

All design work incorporated JCMUA's water and sanitary sewer specifications and addressed critical structural requirements for traffic loading at intersections. RVE also developed health and safety guidelines informed by environmental testing, to be included in construction documentation if necessary.

The project remains within the allocated timeline and budget and is currently pending final funding approval. Once funding is secured, the project will advance into the construction phase, with RVE continuing to support through bidding and construction administration.

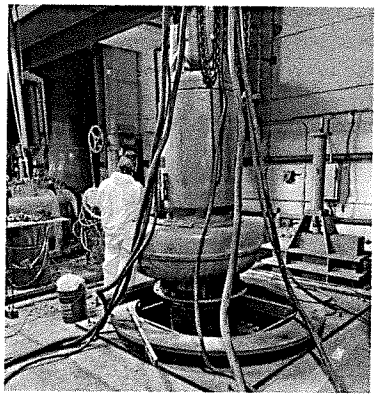
26 MGD Pump Replacement
Bergen County, New Jersey

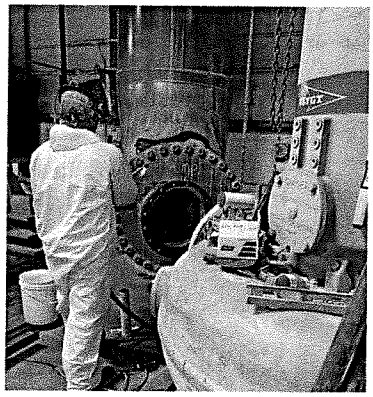
Client:
Bergen County Utilities Authority (BCUA)

Project Duration:
July 2024 to February 2025

Construction Cost:
$560,000

Reference:
Robert E. Laux, Executive Director
201-641-2552
rlaux@bcua.org





As part of BCUA's recovery response following Hurricane Ida, significant damage was sustained by the headworks facilities at the Little Ferry Wastewater Treatment Plant. To restore and stabilize pumping capacity under emergency conditions, temporary high-capacity rental pumps were installed in both Pump Building #1 (Pump 1-4) and Pump Building #2 (Pump 2-4). These emergency installations were necessary to ensure the plant could maintain forward flow capacity during high wet-weather events, as analysis revealed the existing permanent pumps—many of which were out of service—could not handle peak flows without risking surcharge conditions or further structural damage.

Each of the rental pumps was sourced through Pumping Services, Inc. (PSI) at a monthly rate of $35,000 per pump, providing an additional 50 MGD of pumping capacity (25 MGD per pump). This augmentation was critical in maintaining plant performance during rainfall-driven inflow conditions. While Pump 1-4 has operated on a limited, as-needed basis due to piping constraints, Pump 2-4 has remained in continuous service, delivering consistent and reliable performance under all flow conditions for over six months.

With Pump 1-4 scheduled for removal later that year to allow installation of a permanent pump, RVE was tasked with evaluating whether Pump 2-4 should be made permanent. Given the favorable performance of the unit and the overall condition of other pumps within Pump Building #1, RVE has recommended that the Authority proceed with the purchase and permanent installation of an identical unit at the 2-4 location.

Hydraulic and Mechanical Evaluation

RVE was tasked with analysis of the installed rental pump. The currently installed rental pump—Flygt CT 3531/835, a 335 HP vertical dry pit submersible unit—has demonstrated stable hydraulic behavior with no signs of cavitation, vibration, or flow-induced vortexing. These factors are often indicative of poor wet well hydraulics or inadequate Net Positive Suction Head (NPSH), and their absence has affirmed the system's suitability for permanent operation.

To confirm long-term viability, RVE performed a detailed hydraulic analysis using existing system configurations, wet well geometry, and the manufacturer's published pump performance curves. The analysis was conducted in partnership with PSI's engineering team, Flygt's local representative.

- Under typical wet well levels (HWL = -15.0 ft, LWL = -20.0 ft) and an operating motor speed of 55 Hz, the Net Positive Suction Head Available (NPSHa) was calculated to be 31.4 feet, providing a safe margin above the NPSH Required by the pump.

- Operating the pump at full speed (60 Hz) pushes the limits of NPSHa, potentially increasing the risk of cavitation. Based on this, RVE recommends capping the pump operation at 55 Hz, which still provides sufficient capacity and operating flexibility.
- The current configuration has not produced any vortexing, and with the straightening vanes installed in the wet well, no modifications to the intake geometry are required.

Based on these findings, RVE recommended that the permanent installation of the new pump include a Variable Frequency Drive (VFD). The VFD will allow for soft starting, reduce electrical and mechanical stress during startup, and enable operators to adjust pump speed based on fluctuating flow conditions—maximizing both efficiency and service life.

Demolition of Existing Temporary Pump Infrastructure

In conjunction with the installation of the new permanent pump, RVE managed the demolition of the current temporary pump system in Pump Building #2. This includes:

- Isolating and de-energizing the pump (in coordination with BCUA staff),
- Draining and removing all associated piping and mechanical components from suction to discharge,
- Recovering reusable elements, including a discharge spool piece for future use,
- Transporting the VFD and pump cable (owned by PSI) back to the vendor,
- Installing watertight blank flanges at both suction and discharge points to maintain system integrity, and
- Securing all open ports with protective plywood covers.
- Phasing and sequencing oversight to allow uninterrupted operations of the WWTP.

This work was performed with no service interruption, and all activities were scheduled during regular work hours with strict site safety controls in place.

Estimated Construction Fees and RVE Project Fees

Section 4

REMINGTON & VERNICK ENGINEERS

Section 4
Estimated Construction Fees & RVE Project Fees

Estimated Construction Fees

Our Team has prepared a preliminary estimated construction fee. This fee is based upon recently bid similar scoped projects. Based upon this estimate, our Team estimates a preliminary construction fee of $9,653,000. This estimate includes a 10% construction contingency.

A breakdown of this fee is provided on the following **Preliminary Construction Cost Estimate**:

RVE Proposal Fee

RVE proposes to complete the required scope as outlined in the RFP and as outlined in our Project Understanding and Approach for a **not to exceed fee of $697,470**. Please note that a fee breakdown by Task has been provided in the attached. In addition, this fee includes / excludes the following:

- Task 6 – Construction Administration – based upon 1,500 of onsite construction oversight which we anticipate as full time in accordance with NJ I-Bank requirements

- Fee does not include permit fees. Instead, permit fee check requests will be provided to the Authority once the required permit fees are calculated based upon design.

- Fee does not include geotechnical or LSRP Environmental Services and they are not anticipated for this project.

REMINGTON & VERNICK ENGINEERS

PRELIMINARY CONSTRUCTION COST ESTIMATE

PROJECT NAME: 2025 WWTP & Collection System Capital Improvements

PROJECT NUMBER: Proposal

CLIENT: Long Branch SA

DATE: 9/9/2025

#	DESCRIPTION	UNITS	BID QUANTITY	ESTIMATED UNIT PRICE	AMOUNT
1	Mobilization	LS	1	$ 200,000.00	$200,000.00
2	Environmental and Cultural Resource Protection Requirements	LS	1	$10,000.00	$10,000.00
3	Demolition of Digester Cover	LS	4	$ 60,000.00	$240,000.00
4	Removal and Disposal of Material in Digester	LS	4	$ 100,000.00	$400,000.00
5	Additional Removal and Disposal of Material in Digester, If & Where Directed	LS	1	$ 25,000.00	$25,000.00
7	Surface Preparation, and Coating of Digester Floor, Walls and Walkway	LS	4	$ 80,000.00	$320,000.00
8	Installation & Replacement of Digester Gas Piping, Valves, and Appurtenances	LS	4	$ 1,500,000.00	$6,000,000.00
9	Replacement of Digester Sludge Piping, Valves, and Appurtenances	LS	1	$ 150,000.00	$150,000.00
10	Replacement of Blowers - 4 per Digester	Digester	4	$ 75,000.00	$300,000.00
11	Electrical Upgrades including VFDs	LS	1	$ 200,000.00	$200,000.00
12	Structural Upgrades	LS	1	$ 200,000.00	$200,000.00
13	Conveyance System Improvements	LF	3800	$ 120.00	$456,000.00
14	Roadway Restoration	LS	1	$ 200,000.00	$200,000.00

#	DESCRIPTION	UNITS	BID QUANTITY	ESTIMATED UNIT PRICE	AMOUNT
22	Testing and Startup	LS	1	$ 10,000.00	$10,000.00
23	Closeout Documentation and Procedures	LS	1	$ 10,000.00	$20,000.00
24	Site Restoration	LS	1	$30,000.00	$30,000.00
27	Engineer's Trailer	LS	1	$ 15,000.00	$15,000.00
28	General Allowance	AL	1	$50,000	$50,000.00
				BASE BID - CONSTRUCTION COST ESTIMATE TOTAL:	**$8,776,000.00**
				10% CONTINGENCY:	**$877,600.00**
				TOTAL ESTIMATED FEE - PRELIMINARY	**$9,653,600.00**

LONG BRANCH SEWERAGE AUTHORITY
2025 WWTP AND COLLECTION SYSTEM CAPITAL IMPROVEMENTS

RVE FEE PROPOSAL

	Rate	Hours	Fee
Task 1 - Kickoff Meeting & Document Review			
Principal - QAQC	$230	4	$920
Project Manager	$220	4	$880
Project Engineer - W/WW	$220	4	$880
Project Engineer - Electrical	$220	4	$880
Senior Engineering Tech	$180	6	$1,080
Techncial Aide	$90	8	$720
Subtotal Task 1			**$5,360**
Task 2 - Field Survey & Asset Assessments			
Task 2A - Site Survey and Base Plan Generation			
Survey Department Head	$205	4	$820
Survey Manager	$200	12	$2,400
Party Chief	$150	88	$13,200
Transit Rod Person	$145	88	$12,760
Senior CAD Tech - Survey	$170	88	$14,960
Lidar Tech - building interior	$175	16	$2,800
Task 2B - Field Investigations - Asset Assessments			
Principal - QAQC	$230	2	$460
Project Manager	$220	4	$880
Project Engineer - W/WW	$220	12	$2,640
Project Engineer - Structural	$220	12	$2,640
Project Engineer - Electrical	$220	12	$2,640
Senior Engineering Tech	$180	16	$2,880
Technical Aide	$90	8	$720
Subtotal Task 2			**$59,800**
Task 3 - Design Phase - WWTP & Conveyance System			
Principal - QAQC	$230	16	$3,680
Project Manager	$220	60	$13,200
Project Engineer - W/WW	$220	80	$17,600
Senior Engineering Tech -WWTP	$180	200	$36,000
Senior Engineering Tech - Conveyance	$180	180	$32,400
Senior Engineering Tech -Restoration	$180	50	$9,000
Senior CAD Tech - W/WW	$170	200	$34,000
Project Engineer - Structural	$210	20	$4,200
Senior Engineering Tech -Structural	$180	100	$18,000
Senior CAD Tech - Structural	$170	60	$10,200
Project Engineer - Electrical	$220	32	$7,040
Senior Engineering Tech -WWTP	$180	120	$21,600
Senior CAD Tech - Electrical	$170	120	$20,400

Technical Aide	$90	60	$5,400
Inspector - Constructability Review	$180	24	$4,320
Subtotal Task 3			**$237,040**
Task 4 - Permitting (Not including IBank- see Task 7)			
Principal - QAQC	$230	4	$920
Project Manager	$220	16	$3,520
Project Engineer - W/WW	$220	20	$4,400
Senior Engineering Tech	$180	100	$18,000
Technical Aide	$90	24	$2,160
Senior CAD Tech	$170	40	$6,800
Subtotal Task 4			**$35,800**
Task 5 - Bid Phase Services			
Principal - QAQC	$230	1	$230
Project Manager	$220	12	$2,640
Project Engineer	$220	24	$5,280
Senior Engineering Technican	$180	24	$4,320
Technical Aide	$90	12	$1,080
Subtotal Task 5			**$13,550**
Task 6 - Construction Administration & Full Time Inspection (based on 1,500 hours)			
Principal - QAQC	$230	12	$2,760
Project Manager	$220	60	$13,200
Project Engineer - W/WW	$220	48	$10,560
Senior Engineering Technican - W/WW	$180	60	$10,800
Project Engineer - Electrical	$220	16	$3,520
Senior Engineering Technican - Electrical	$180	48	$8,640
Engineering Technician	$150	24	$3,600
Technical Aide	$85	20	$1,700
CM & Inspection Manager	$180	16	$2,880
W/WW Inspector	$170	1,500	$255,000
Contract Administrator - I-Bank Compliant	$160	40	$6,400
Subtotal Task 6			**$319,060**
Task 7 - NJ I-Bank Funding Assistance			
Principal - QAQC	$230	4	$920
Project Manager	$220	40	$8,800
Senior Engineering Technican	$180	48	$8,640
Engineering Technician	$150	88	$13,200
Technical Aide	$90	20	$1,800
Subtotal Task 7			**$18,360**
Subtotal Engineering Fees			**$688,970**
Allowance - Ground Penetrating Radar - Conveyance, If Needed	--	--	$5,000
Mileage			$3,500
TOTAL NOT TO EXCEED FEES		**1,991.00**	**$697,470**

Project Schedule

Section 5

REMINGTON & VERNICK ENGINEERS

Section 5
Project Schedule

Project Schedule

The following represents our project schedule. An updated schedule will be provided after Project Kickoff which will be maintained as the project progresses.

Anticipated Award	September 17, 2025
Project Kickoff	September 30, 2025
Site Survey & Lidar & Base plans	October 13 – October 24,2025
Site Assessments	October 13 – October 14, 2025
Basis of Design Report (BOD)	October 15 – November 5, 2025
Submit BOD to LBSA	November 6, 2025
Meet with LBSA to review BOD	November 13, 2025
Update BOD to incorporate LBSA Comments	November 14, 2025 – November 21, 2025
LBSA Approves BOD	November 24, 2025
30% Design Development	November 25, 2025 – December 31, 2025
Submit 30% Documents to LBSA	January 2,2026
Meet with LBSA to review 30% Documents	January 9, 2025
60% Design Documents and Permits including IBank Docs\	January 12 – February 9, 2026
Submit 60% Documents to LBSA	February 10, 2026
Meet with LBSA to review 60% Documents	February 17, 2026
Updates & Submit Permit Applications / IBank Uploads	February 20, 2026
90% Design Development	February 23 – March 17, 2026
Submit 90% Documents to LBSA	March 18, 2026
Meet with LBSA to review 90% Documents	March 25, 2028
Prepare Final 100% Documents and IBank Docs	March 26 – April 15, 2026
Submit 100% Documents to LBSA	April 16, 2026
Final Approval from LBSA	April 23, 2026
Upload Final Docs to IBank	April 24, 2026
Pending IBank Review and Approval	This phase can last 1 month to 4 months based upon recent estimated timelines

Key Team Member Resumes

Section 6

REMINGTON & VERNICK ENGINEERS

James Oris, PE, PP, CME, CFM

Regional Manager/Engineer

Senior Associate

Overview

- More than three decades of engineering experience
- Areas of expertise include water, sewer and storm drainage improvements; NJDEP permitting; roadway reconstruction and resurfacing improvements; floodplain management; dredging; shore protection; waterfront development; parks and recreation; grant and loan coordination; and GIS mapping

Work History

RVE experience: 2018 to present

Total experience: 39 years

Education

B.S., Civil Engineering Technology, New Jersey Institute of Technology, 1986

A.S., Civil Engineering Technology, Ocean County College, 1986

Certifications/Registrations

Professional Engineer – NJ

Professional Planner – NJ

Certified Municipal Engineer – NJ

Certified Floodplain Manager (CFM)

Certified Public Works Manager (CPWM)

Professional Affiliations

New Jersey Society of Professional Engineers, Ocean County Chapter

American Society of Professional Engineers

New Jersey Association for Floodplain Management

Association of Floodplain Managers

Representative Project Experience

Municipal Engineering – Has served the following communities and a municipal consultant: Berkeley Township, Director of Planning; Consulting Engineer and Board Planner; Township of Little Egg Harbor, Township Engineer; Borough of Beachwood, Borough Engineer; Ocean Township, Ocean County, Township Engineer and Board Engineer; Borough of Point Pleasant Beach Planning Board; Borough of Highlands Planning Board; North Wildwood, Consulting Services; Pleasantville Board of Adjustment, Conflict Engineer; Atlantic City, Special Project Consultant; Atlantic City Board of Education, Special Project Consultant; Ocean City, Special Project Consultant; Barnegat Board of Education, Special Project Consultant

2015 NJDEP I-Bank Water, Sewer and Storm Improvements Skippers Cove, Seneca Blvd & 11th Street, County of Ocean, NJ – Engineer of Record for the replacement of approximately two miles of potable water mains, sanitary sewer mains and storm drainage infrastructure. The project included the application and award of NJDEP **I-Bank** low-interest loans and qualified for principal forgiveness. He was responsible for the project from concept through design and construction, including the application and receipt of all required NJDEP permitting and approvals.

2014 NJDEP I-Bank Water, Sewer and Storm Improvements Skippers Cove, Hawkins Way, Hornblower Drive & Bluebeard Way, County of Ocean, NJ – Engineer of Record for the replacement of approximately one mile of potable water mains, sanitary sewer mains and storm drainage infrastructure. The project includes the application and award of NJDEP **I-Bank** low-interest loans. He was responsible for the project from concept through design and construction, including the application and receipt of all required NJDEP permitting and approvals.

Pebble Beach and Route 532 Water Plant Improvements, County of Ocean, NJ – Engineer of Record for plant improvements, including the installation of new and replacement emergency generators, replacement of flow meters, chlorine contact piping, chlorine application system, SCADA system upgrades and other general improvements. The project includes the application and award of NJDEP **I-Bank** low-interest loans. He was responsible for the project from concept through design and construction, including the application and receipt of all required NJDEP permitting and approvals.

2016 Beachwood Water Treatment Plant Improvements Beachwood, County of Ocean, NJ – Engineer of Record for the plant improvements, including the installation of replacement filter media, raw water tank cleaning and repairs and other various improvements. He was responsible for the project from concept through design and construction, including the application and receipt of all required NJDEP permitting and approvals.

Stephanie Cuthbert, PE, CME

QAQC Manager

Principal / Executive Vice President of the Water/Wastewater Division

Overview

- Over 30 years of engineering experience
- Responsibilities include the evaluation of water and sewer infrastructure, design and permitting of utility system improvements, development of utility system capital improvement plans and assistance in procurement services
- Manages and supports capital projects and Board matters as Client Representative
- Provides comprehensive project management services and expert testimony

Work History

RVE experience: 1993 to present

Total experience: 32 years

Education

B.S., Civil Engineering, Drexel University

Numerous Continuing Education Courses in Environmental Engineering and Compliance

Certifications/Registrations

Professional Engineer – NJ

Certified Municipal Engineer – NJ

New Jersey Air Auditing Certification – Title V of Federal Clean Air Act

40-hour OSHA HazMat Certification

OSHA Confined Space Certification

Representative Project Experience

Digester Assessment, Basis of Design, Rehabilitation Design & I Bank Funding, Joint Meeting Essex and Union County – acted as QAQC Manager for the comprehensive engineering services for the rehabilitation of Digester No. 3 at the Joint Meeting's Wastewater Treatment Plant in Elizabeth, New Jersey. The project focused on upgrading a 95-foot diameter anaerobic digester equipped with a gas-holding floating cover. Major improvements included the removal and replacement of the gas holder cover, modifications to the sludge and gas piping systems, and a full evaluation of the existing jet mixing system. Thorough internal and external tank inspections guided the development of structural repair recommendations, with particular attention to deteriorated concrete surfaces. Each improvement was evaluated not only for structural integrity, but also for enhanced operational efficiency and ease of maintenance, ensuring long-term performance and reliability for the facility. The project was financed through the New Jersey Infrastructure Bank (NJ I-Bank), requiring close coordination with NJDEP and adherence to state and federal funding requirements. RVE prepared the technical documentation necessary to support the application process, including the Environmental Planning Document (EPD), SED Utilization Plan, and Resiliency Plan. From initial design through final construction, RVE's responsibilities included developing design documents, preparing demolition and staging plans, specifying the new gas holder cover and related appurtenances, and coordinating with the jet mixing manufacturer to integrate upgrades. As the project moves into bidding and construction, RVE continues to provide support with bid review, contractor coordination, and full-time construction administration and inspection. Given I-Bank financing, all work is subject to EPA AIS and Build America, Buy America (BABA) compliance, with records to be maintained to meet audit requirements both during the project and for two years after completion.

New Women's Prison, New Jersey Department of Property Management and Construction – QAQC Manager responsible for design services for the construction of a new women's minimum security correctional facility in Chesterfield, NJ. The existing Edna Mahan Correctional Facility on site will be demolished for the construction of the new facility. The facility design will be based on the principles of trauma-informed, normative design responses with the arrangement of the individual buildings configured by a campus concept where women can move across a secure campus to centralized services and programs. The goal of the design is to maintain and enhance the natural environment by achieving the objectives of a normalized setting. Integral to the consideration of a trauma-informed, normalized physical environment are basic core values of the DOC in the care and custody of women, therefore the design requirements for this project are unique and are to consider the security, programmatic, and medical needs of women in custody which are different from those of men. The management and design response will recognize and accommodate these differences. RVE is providing civil/site, sanitary and environmental engineering services to support the design of the new facility. The site has a wastewater collection system and treatment plant that also serves the adjoining property, and the Township of Chesterfield, NJ. The plant will require upgrades prior to accepting flows from the new women's facility, including upgrades to 13 rotating biological contactors that are at the end of their useful life. Additionally, filter media for three filters at the on-site Water Treatment Plant will require changing prior to plant connection to the new facility. Outfalls for the stormwater system are degrading and will also be rebuilt.

Princeton Avenue Sanitary Alignment and Extension, Jersey City Municipal Utilities Authority (JCMUA), NJ - served as QAQC Manager responsible for providing professional services for the extension of sanitary sewer for the JCMUA. The project included the elimination of combined sewers along Princeton Avenue. RVE was tasked with sizing the sanitary sewer only system, alignment, geotechnical to assess underlying geology and rock conditions, and design/permitting of the new sanitary sewer improvements. Support services included permitting and the bidding and construction administration phases of the project.

James Hankins, PE

Senior Project Manager/Engineer

Associate

Overview

- Over 30 years of experience in the water and wastewater industry
- Expertise with water/wastewater reuse system design and building system design for municipal contracts
- Responsibilities include Project Management of complex projects, development of specifications, wastewater studies, reports and permit applications; utility management; field engineering, inspections, construction and project management; and client management
- Serves as Project Manager and Client Representative for large utility systems

Work History

RVE experience: 2021 to present

Total experience: 34 years

Education

B.S., Civil Engineering, Syracuse University

Graduate Courses, Water Resources Engineering, Rutgers University

Certifications/Registrations

Professional Engineer – NJ

OSHA 10 Hour Construction Safety

OSHA Confined Space Entry

Representative Project Experience

Environmental Disposal Corporation WWTP, Bedminster, NJ (acquired by New Jersey American Water in 2016) – Senior Project Engineer of NSU contract operations for a 2.1 MGD wastewater utility. Responsibilities included capital project preliminary engineering, fund acquisition, execution, engineering and operations budget management, permitting, and providing technical expertise to support operations. Performed engineering design, permitting, and construction management of expansion of a $2.5 million headworks facility (2016-2020); on-site engineer for $3.6 million plant expansion (1996-1997); manager, lead engineer, and inspector for several treatment and collection system capital improvement projects.

Wastewater Treatment Plant Blower & Aeration System Upgrades, Borough of Lansdale, PA – Senior Project Manager/ Engineer responsible for the design and development of grant-ready and bid-ready technical specifications for the upgrade and relocation of all blowers and aeration piping at the existing WWTP.

Influent Pump Evaluation and Replacement, BCUA, Little Ferry NJ – Senior Project Manager / Engineer for the assessment following the extensive damage caused by Hurricane Ida to the headworks facilities at the Little Ferry Wastewater Treatment Plant. BCUA installed temporary high-capacity rental pumps to stabilize operations. These units, supplied by Pumping Services, Inc. at a rate of $35,000 per month each, added 50 MGD of pumping capacity and ensured reliable forward flow during wet-weather events when permanent pumps were out of service. Pump 2-4, a Flygt CT 3531/835 vertical dry pit submersible unit, operated continuously for over six months with strong performance, while Pump 1-4 was used on an as-needed basis. Given the proven reliability of Pump 2-4, RVE evaluated its long-term viability and recommended permanent installation of an identical pump to secure capacity within Pump Building #2. RVE performed a detailed hydraulic and mechanical assessment in collaboration with PSI and Flygt, confirming the pump's stability with no cavitation, vibration, or vortexing under typical wet well conditions. Analysis confirmed that safe Net Positive Suction Head margins are maintained at 55 Hz operation, and RVE recommended a Variable Frequency Drive (VFD) for long-term efficiency, operational flexibility, and reduced equipment stress. In parallel, RVE oversaw the demolition of the temporary pumping system, including safe de-energization, removal of piping, recovery of reusable components, and installation of watertight flanges and protective covers. All work was carefully phased to maintain uninterrupted WWTP operations and completed under strict site safety controls.

Digester Assessment, Basis of Design, Rehabilitation Design & I Bank Funding, Joint Meeting Essex and Union County – acted as Senior Project Engineer for the comprehensive engineering services for the rehabilitation of Digester No. 3 at the Joint Meeting's Wastewater Treatment Plant in Elizabeth, New Jersey. The project focused on upgrading a 95-foot diameter anaerobic digester equipped with a gas-holding floating cover. Major improvements included the removal and replacement of the gas holder cover, modifications to the sludge and gas piping systems, and a full evaluation of the existing jet mixing system. Thorough internal and external tank inspections guided the development of structural repair recommendations, with particular attention to deteriorated concrete surfaces. Each improvement was evaluated not only for structural integrity, but also for enhanced operational efficiency and ease of maintenance, ensuring long-term performance and reliability for the facility. The project was financed through the New Jersey Infrastructure Bank (NJ I-Bank), requiring close coordination with NJDEP and adherence to state and federal funding requirements. RVE prepared the technical documentation necessary to support the application process, including the Environmental Planning Document (EPD), SED Utilization Plan, and Resiliency Plan. From initial design through final construction, RVE's responsibilities included developing design documents, preparing demolition and staging plans, specifying the new gas holder cover and related appurtenances, and coordinating with the jet mixing manufacturer to integrate upgrades. As the project moves into bidding and construction, RVE continues to provide support with bid review, contractor coordination, and full-time construction administration and inspection. Given I-Bank financing, all work is subject to EPA AIS and Build America, Buy America (BABA) compliance, with records to be maintained to meet audit requirements both during the project and for two years after completion.

Dennis K. Yoder, PE, CME, LEED-AP

Technical Lead

Executive Vice President

Overview

- More than 35 years of design engineering experience
- Principal of the Firm and Director of Engineering, responsible for the overall management of all projects
- Areas of expertise are water and wastewater system management
- Supports a variety of treatment, distribution and collection systems, including system operations consulting

Availability for Project
20%

Work History
RVE experience: 1989 to present

Total experience: 42 years

Education
B.S., Civil Engineering, Messiah College, 1979

Certifications/Registrations
Professional Engineer – NJ, PA

Certified Municipal Engineer – NJ

Professional Planner – NJ

Member, American Water Works Association (AWWA)

Member, Water Environmental Federation (WEF)

National Society of Professional Engineers (NSPE)

Leadership in Energy & Environmental Design (LEED) Accredited

Representative Project Experience

Authority Engineer, Gloucester County Utilities Authority, NJ – Principal in Charge/Authority Engineer responsible for general engineering support and capital project services for various projects, including: Incinerator No. 1 Upgrade; Egg-Shaped Anaerobic Digester Facility Addition; Sludge Blend Tank Replacement; Pollution Minimization Plan for PCBs; DRBC Docket Modification to increase TDS; Headworks Bar Screen upgrades and renovations; Belt Filter Press rebuild upgrade; Aeration Basin piping and diffuser replacement; blower air piping replacement; Deptford Interceptor/Bells Lake Sewer Main Rehabilitation;; GCUA Shelter Design; Capital Projects Trust Fund Application Preparation; Substation No. 8 Electrical Upgrade; Pitman Golf Course Water Re-Use Project; Break Neck/Chestnut/Edwards Branch Sanitary Sewers; Clarifiers 2 and 3 Renovations; Main Plant Electrical Substation Upgrade; Shoppers Lane Force Main Improvements; GCUA Operations Maintenance Building Roof Replacement; Gravity Thickener Replacements; Mantua Creek and Warren Street Pump Stations Electrical Upgrade; Weathervane Metering Station; Greenwich Crossing Sewer Metering Station on County Route 678.

10 mile - Gloucester County Gravity & Force Main Improvements, GCUA, NJ –served as the Project Manager and Technical Lead for the regional gravity and force main design project. RVE was responsible for the design and permitting of approximately 14,000 LF of 8-inch HDPE 4710 DIPS gravity main from the landfill to a Swedesboro proposed pump station. At the pump station, 5,000 LF of 14-inch HDPE 4710 DIPS force main was designed for connection to the Woolwich Township system. At this point, the force main was required to be an 18-inch HDPE 4710 DIPS force main and travel for approximately 36,000 LF to the existing GCUA interceptor. Multiple air release manholes and blow-off structures were required due to the varying elevations of the alignment. All connections to the structures are to be of ductile iron material. The project also required an extensive bypass pumping design plan with sequencing and multiple pumps including redundancy, traffic detour plans and easement acquisition. Portions of the project require bypassing in excess of 2.39 mgd.

Plant Expansion and New Outfall, Logan Township, NJ – Technical Lead associated with the Preliminary Engineering/Environmental Report, Basis of Design development, design, NJDEP Land Use/TWA/ air permitting, construction administration and construction inspection for the Logan Township MUA WWTP expansion due to municipal growth. The discharge of the facility is in the Delaware River which has a Special Protection Water Classification and plant expansion/outfall construction is highly regulated. RVE provided both comprehensive design and construction administration / inspection services for the 0.5 MGD Water Reclamation Facility Expansion project. RVE designed the improvements that were being made at the water reclamation facility on a narrow 7-'wide strip of land at the rear of the site. **RVE won the National Grand Prize award for Excellence in Environmental Engineering from the American Academy for Environmental Engineers and Scientists.**

Phillipsburg WWTP Expansion and Outfall Relocation, NJ IBank & Principal Forgiveness - Warren County, NJ –served as Project Manager and Technical Lead of the WWTP expansion. The project required a Preliminary Engineer / Environmental Report to secure funding through the SRF. The improvements included modifying the existing plant to incorporate enhanced treatment, upgrading various plant components and relocating the existing outfall. The treatment plant upgrades included hydraulic analysis /modeling and modification of the head of plant and effluent channels, addition of weirs, UV disinfection addition including modification of the chlorine contact channels. A new building was designed to house the enhanced secondary treatment process. In addition, the chemical feed building was modified to house some new equipment. Enhanced treatment was provided through the incorporation of BioMag technology and ultraviolet (UV) disinfection. Siemens Industry Inc's BioMag™ System (BioMag) is an innovative technology and an enhanced biological wastewater treatment process that uses magnetite for ballast to increase the specific gravity of biological floc. This technology was selected based on environmental and site constraints, which restricted upgrades to be constructed within the existing footprint.

Gregory Sullivan, PE, PP, CME

Project Manager/Engineer

Senior Associate

Overview

- Over four decades water, wastewater, stormwater and renewable energy design and permitting including piping, pumping and treatment facilities
- Designs sustainable energy systems for municipal, county, educational, utility and agency clients
- Specific experience in wastewater digestion projects and co-generation facilities

Work History

RVE experience: 1990 to present

Total experience: 47 years

Education

B.S., Mechanical Engineering, Rutgers University

Certifications/Registrations

Professional Engineer – NJ

Professional Planner – NJ

Certified Municipal Engineer – NJ

Certified Energy Auditor – Association of Energy Engineers (retired)

American Society of Mechanical Engineers

OSHA Confined Space Certification/Instructor

OSHA HazMat Certification – 40 hours

Traffic Control Coordinator

Work Zone Safety

Representative Project Experience

Anaerobic Digester Project, Gloucester County Utilities Authority, NJ –Project Engineer responsible for providing wastewater design and SCADA / Control engineering services for the construction of anaerobic digesters, in combination with using the biogas for combined heat and power generation. The anaerobic digesters work seamlessly with the facility's current sludge handling process and construction had a minimal impact on daily plant operations. The digesters were constructed entirely within the existing Authority property at the location of the abandoned composting facility.

Digester No. 1 Upgrade at the Phoenixville Solid Treatment Plant, Phoenixville Borough, PA - Project Engineerr and Lead Design Engineer responsible for design and construction management services for the upgrade and replacement program for the No. 1 Anaerobic Digester at the Borough's Solid Treatment Plant facility. Tasks involved the replacement of the digester cover and the installation of a boiler building to burn biogas or natural gas for the purpose of the process and space heating for the digester. The project upgraded all associated components for the existing heating systems and replaced all flare components for the digester

East Side Pump Station Motors, Controls and Variable Frequency Drive Replacement, Jersey City Municipal Utilities Authority, NJ – Project Engineer responsible for the replacement of the motors, control system and VFDs for the East Side Pump Station. Tasks included administering and coordinating the loan from the NJ Environmental Infrastructure Trust Program and the NJDEP. Design work was performed for change orders resulting from Superstorm Sandy that occurred after the contract was entered into with the contractor, which involved the replacement and refurbishment of all flooded areas of the pump station.

Equipment/Facility Improvements, Gloucester County Utilities Authority, NJ –Project Engineer responsible for providing energy engineering services for various projects including Gas Blower and Piping Replacement, Sodium Hypochloride Chemical Tank Replacement, NJEIT Submission for Belt Filter Press Rebuild, Security Camera System Upgrade, Bar Screen Upgrades, Grit System Replacement Planning and Design Phase, Replacement of Electric Blowers Planning and Design, Sludge Drying System Planning and Design and CB&I Digester System Construction Phase Engineering Services

Wastewater Treatment Plant Expansion, Buena Borough MUA, NJ – Project Engineer responsible for the WWTP expansion provided engineering service to obtain approval for continuing the discharge of effluent into Deep Run, a Pinelands stream and increasing the permitted discharge from 400,000 gpd to 600,000 gpd. Scope work included preparing an Engineers/Environmental Report including sampling to support the expansion, treatment process and document minimizing impacts to the environmentally sensitive area. Design and permitting for the expansion of the plant including replacement Authorities process with an advanced nutrient removal, Bardenpho Treatment Process, to achieve a total nitrate discharge limit of less than 2.0 mg/l, and to meet a 0.15 mg/l phosphorus limit. Obtained approval from Pinelands to retain permit to discharge into Deep Run, provided MBR Treatment is added to the process, to achieve a less than 2.0 total nitrogen effluent limit. Membrane Bioreactor (MBR) addition included adding fine screen at headworks, modifying recycle pumping, replace aerators for better mixing and energy efficiency, added carbon feed source and replaced final clarifiers, sand filters and UV disinfection system with MBR process.

Pump Station Emergency Bypass Improvements, Cherry Hill, NJ – Project Engineer responsible for coordinating emergency improvements at the Cherry Hill Township, NJ. Improvements included the installation of an emergency bypass pump, bracket and grinder replacements and the restoration of wet wells at the Woodcrest, Brace Road, Brandywoods, Coles Avenue, Haddontowne, Three Oaks and Surrey Place-Godwin pump stations. Tasks included design, review of plans and electrical services

Eric Rauch, PE

Project Manager/Engineer

Overview

- Provides wastewater conveyance, treatment design and permitting services

Work History

RVE experience: 2024 to present

Total experience: 31 years

Education

MS, Water Resources and Environmental Engineering, Villanova University

BS, Mechanical Engineering, Cornell University

Certifications/Registrations

Professional Engineer – PA, MD

Confined Space Training

Representative Project Experience

Ridley Creek and Chester Creek Gravity Sewer Installation, Delaware County Regional Water Quality Control Authority, PA – Project Engineer responsible for developing recommendations for the installation of a new gravity sewer at Ridley Creek, which is located near the new Chester Creek Gravity Sewer in Delaware County, PA. Tasks include reviewing the proposed design and provide recommendations to reduce the overall cost of the project, investigating existing field conditions, review GIS files, record plans and other project reports, field borings and geotechnical reporting, analyzing hydraulic evaluations of sewer diameter, slopes and flow velocity. RVE is considering all construction options including microtunneling, trenchless technology and open cut trench installation and providing a Recommendation Report to the Authority for consideration.

Bar Screen Replacement and Screenings Conveyance Improvements, Linden-Roselle Sewerage Authority, NJ – Project Engineer responsible for the evaluation, design and upgrades to the existing bar screens and solids (screenings) conveyance equipment at the Authority's Screen House and Pumping Station in Linden, NJ. Improvements include the removal of two screening troughs that collect materials from mechanically raked screens and replacing them with a shaftless screw conveyor and a washer compactor. The project also includes the construction of asphalt dumpster access areas, reinforced concrete dumpster pads, temporary erosion control measures, the removal of existing structures, the installation of new equipment, painting and various other tasks. Funding for the project comes from the Community Development Block Grant Program and compliance with HUD requirements is mandatory for the contractor. The Authority's pumping station, managing a flow of 12 to 18 MGD with peak storm events reaching 45 to 60 MGD, currently employs manual screening handling processes. The proposed automation involves replacing one Infilco Degremont bar screen, introducing a washer compactor and implementing conveyors for compacted screenings.

Sullivan Way Pump Station and Force Main, Ewing-Lawrence Sewerage Authority, NJ – Project Engineer responsible for the installation of a new dry pit submersible pump station along with two new increased diameter force mains at the Sullivan Way Pump Station in Ewing, NJ. The last major modification to the current pump station was in 1977 and many of the features/components of the station, other than maintenance and repairs, are original to that upgrade. The existing wet well was undersized for current flows, especially wet weather periods, which resulted in limited time to respond to alarms without sewer system backups or overflows. In addition, the existing station is not sized properly for future 25-year buildout flows. To this end, ELSA has purchased additional property adjacent to the existing pump station on Sullivan Way. The existing eight-inch DIP and 12-inch DIP force mains have experienced several breaks over the past several years and are undersized and in need of replacement. The force mains are in a 20-foot wide sewer utility easement, crossing the Marie Katzenbach School property and then continuing across various other properties along the Gold Run stream corridor. There are various stream and lake crossings and a stream culvert crossing underneath a railroad track before connecting to the new force mains constructed within the Silvia Street Road realignment project. The force mains eventually discharge to gravity sewer at the Parkway and Silvia Street intersection. In addition to design and permitting for the proposed replacement station and force main, RVE is assisting ELSA in the New Jersey Infrastructure Bank funding process and will provide engineering services during the bid phase. RVE is assisting the Authority in obtaining NJDEP authorization to advertise for bids and provide documents to NJDEP as required to obtain their authorization to award. Permits include NJDEP Treatment Works, NJDEP Freshwater Wetlands, NJDEP Flood Hazard Area, NJDEP Dewatering, Delaware and Raritan Canal, Railroad Crossing, Mercer County Soil Conservation District, and Township Planning Board for the pump station site.

Christopher J. McCormick, EIT

Senior Engineering Technician

Overview

- Experience with water, wastewater and stormwater piping, pumping and treatment facilities
- Expertise in the development of feasibility studies, design documents, permitting and construction oversight
- Serves as Client Manager
- Experience with AutoCAD Civil 3D, AutoDesk, and Revit

Work History

RVE experience: 2022 to present

Total experience: 3 years

Education

B.S., Civil Engineering, Rowan University

Certifications/Registrations

Professional Engineer - NJ

10 Hour OSHA Certification

Confined Space Training Certification

Professional Memberships

NJWEA Young Professionals, Member, 2024 to present

Representative Project Experience

Train 3 Rehabilitators – Clarifiers, Pumps, Valves, VFDs, Township of Neptune Sewerage Authority, NJ – Lead Design Engineer responsible for the evaluation, Basis of Design, permitting, bid phase and construction phase services associated with the delivering engineering services for a comprehensive upgrade of Train 3 at the wastewater treatment facility. The project covers critical process units including the influent pump station, grit chamber, primary clarifiers, trickling filters, and final clarifiers. These upgrades aim to improve hydraulic capacity, operational efficiency, and regulatory compliance. The design is based on current and projected flow rates, loading conditions, and regulatory standards, with hydraulic calculations confirming the system can handle both peak and average flow scenarios. Plans and specifications include pump replacements with variable frequency drives (VFDs), mechanical refurbishments, structural improvements, flood resiliency and upgraded flow control systems. Recalculated hydraulic profiles ensure efficient gravity flow and properly sized pumping systems. Once complete, Train 3 will operate with greater reliability, enhanced treatment performance, and full compliance with discharge requirements.

Millbrook/Fords Pump Station Replacement, Edison, NJ – Senior Engineering Technician responsible for the Millbrook/Fords Pump Station replacement in Edison, NJ, under the NJ Turnpike. The pump station was built in 1948 and services approximately 2,250 homes, 800 apartments, and 70 commercial connections. The former Ford Plant's redevelopment will add to the pump station's service needs. The engineering services required for this project include the complete replacement of the building and all equipment. The pump station is located on a small lot that is confined by the NJ Turnpike property on the east side, the Mill Brook stream corridor and wetlands to the West, and a high-pressure Gas Transmission main and a Colonial Petroleum pipeline easement to the North (rear of the lot). The station consists of a wet well/dry well configuration and has two variable speed Flygt Model 3231 dry pit submersible sewage pumps. The building is situated on top of the drywell, screening chamber, and wet well. There were many deficiencies primarily due to the age of the station. The replacement of the Millbrook/Fords Pump Station is a crucial infrastructure project that will provide improved service to the residents and commercial connections in the area.

Water and Sewer Main Rehabilitation Project Phase 7B, Jersey City Municipal Utilities Authority, NJ – Senior Engineering Technician responsible for supporting the rehabilitation of their water and sewer mains at approximately 50 locations. The project water and sewer main locations are throughout the City of Jersey City, with the longest replacement runs being on Lembeck Avenue and Seaview Avenue. Most of the combined sewer main segments to be replaced are identified as vitrified clay pipe or brick ranging in various sizes and shapes. Most of the water main segments to be replaced are identified as cast-iron pipe ranging in size from six-inch to eight-inch in diameter.

New Women's Prison, New Jersey Department of Property Management and Construction – Senior Wastewater Engineering Tech responsible for design services for the construction of a new women's minimum security correctional facility in Chesterfield, NJ. The existing Edna Mahan Correctional Facility on site will be demolished for the construction of the new facility. The management and design response will recognize and accommodate these differences. RVE is providing civil/site, sanitary and environmental engineering services to support the design of the new facility. The site has a wastewater collection system and treatment plant that also serves the adjoining property, and the Township of Chesterfield, NJ. The plant will require upgrades prior to accepting flows from the new women's facility, including upgrades to 13 rotating biological contactors that are at the end of their useful life. Additionally, filter media for three filters at the on-site Water Treatment Plant will require changing prior to plant connection to the new facility. Outfalls for the stormwater system are degrading and will also be rebuilt.

Timothy Marques

Senior Project Engineer / Manager

Associate & Team Leader

Overview

- Areas of expertise water, wastewater and site civil design and permitting
- Experience in the design of water/wastewater piping, pump stations and treatment. Highway alignment design; preparation of plans, profiles, sections and detail drawings; preparation of cross-sections, plans and detail drawings; engineering estimates and quantity takeoffs; construction sequencing; maintenance and protection of traffic; signage; drainage; roadway lighting; utility distribution and coordination
- Serves as Client Representative and Project Manager

Work History

RVE experience: 2003 to present

Total experience: 26 years

Education

B.S., Architectural Engineering, Milwaukee School of Engineering

Project Management, Certificate, Villanova University

10 Hour OSHA Training Certificate

Confined Space Training Certificate

Representative Project Experience

Digester No. 1 Upgrade at the Phoenixville Solid Treatment Plant, Phoenixville Borough, PA - Project Engineer responsible for design of the upgrade and replacement program for the No. 1 Anaerobic Digester at the Borough's Solid Treatment Plant facility. Tasks involved the replacement of the digester cover and the installation of a boiler building to burn biogas or natural gas for the purpose of the process and space heating for the digester. The project upgraded all associated components for the existing heating systems and replaced all flare components for the digester

East Side Pump Station Motors, Controls and Variable Frequency Drive Replacement, Jersey City Municipal Utilities Authority, NJ – Project Engineer responsible for the replacement of the motors, control system and VFDs for the East Side Pump Station. Tasks included administering and coordinating the loan from the NJ Environmental Infrastructure Trust Program and the NJDEP. Design work was performed for change orders resulting from Superstorm Sandy that occurred after the contract was entered into with the contractor, which involved the replacement and refurbishment of all flooded areas of the pump station.

Digester Assessment, Basis of Design, Rehabilitation Design & I Bank Funding, Joint Meeting Essex and Union County – acted as Project Engineer for the comprehensive engineering services for the rehabilitation of Digester No. 3 at the Joint Meeting's Wastewater Treatment Plant in Elizabeth, New Jersey. The project focused on upgrading a 95-foot diameter anaerobic digester equipped with a gas-holding floating cover. Major improvements included the removal and replacement of the gas holder cover, modifications to the sludge and gas piping systems, and a full evaluation of the existing jet mixing system. Thorough internal and external tank inspections guided the development of structural repair recommendations, with particular attention to deteriorated concrete surfaces. Each improvement was evaluated not only for structural integrity, but also for enhanced operational efficiency and ease of maintenance, ensuring long-term performance and reliability for the facility. The project was financed through the New Jersey Infrastructure Bank (NJ I-Bank), requiring close coordination with NJDEP and adherence to state and federal funding requirements. RVE prepared the technical documentation necessary to support the application process, including the Environmental Planning Document (EPD), SED Utilization Plan, and Resiliency Plan. From initial design through final construction, RVE's responsibilities included developing design documents, preparing demolition and staging plans, specifying the new gas holder cover and related appurtenances, and coordinating with the jet mixing manufacturer to integrate upgrades. As the project moves into bidding and construction, RVE continues to provide support with bid review, contractor coordination, and full-time construction administration and inspection. Given I-Bank financing, all work is subject to EPA AIS and Build America, Buy America (BABA) compliance, with records to be maintained to meet audit requirements both during the project and for two years after completion.

10 mile - Gloucester County Gravity & Force Main Improvements, GCUA, NJ –served as the Project Engineer for the regional gravity and force main design project. RVE was responsible for the design and permitting of approximately 14,000 LF of 8-inch HDPE 4710 DIPS gravity main from the landfill to a Swedesboro proposed pump station. At the pump station, 5,000 LF of 14-inch HDPE 4710 DIPS force main was designed for connection to the Woolwich Township system. At this point, the force main was required to be an 18-inch HDPE 4710 DIPS force main and travel for approximately 36,000 LF to the existing GCUA interceptor. Multiple air release manholes and blow-off structures were required due to the varying elevations of the alignment. All connections to the structures are to be of ductile iron material. The project also required an extensive bypass pumping design plan with sequencing and multiple pumps including redundancy, traffic detour plans and easement acquisition. Portions of the project require bypassing in excess of 2.39 mgd.

Mark A. Hubal, PE, BCEE, LEED AP

I-Bank Expert

Associate & Team Leader

Overview

- Over three decades of experience in water and wastewater design, permitting and compliance
- Extensive project management experience, including expertise in water and sewer projects, public regulatory agencies and financing programs
- Expertise in compliance and funding mechanisms

Work History

RVE experience: 2018 to present; Total experience: 38 years

Education

M.S., Environmental Engineering, New Jersey Institute of Technology

B.S., Chemical Engineering, New Jersey Institute of Technology

Certifications/Registrations

Professional Engineer – NJ, DE

Board-Certified Environmental Engineer

LEED-Accredited Professional

American Water Works Association (AWWA) Joint Section Research Committee Member

Representative Project Experience

Lead and Copper Rule (LCR), NJDEP (prior employment)– Member of a project team who wrote NJ regulations for 1996 LCR updates and guidance documents for utilities including helping develop standards for corrosion control evaluations and treatment plans.

Water Facility Construction Permits, NJDEP (prior employment)– Project Engineer responsible for reviews of applications to Construct/Modify/Operate Public Water Facilities for compliance with Safe Drinking Water Act standards (N.J.A.C. 7:10-11.1 et seq). Assigned most advanced reviews, including surface water treatment facilities, Aquifer Storage and Recovery facilities and other source/treatment/storage /distribution facilities.

Financing of Water Supply Facilities, NJDEP (prior employment)– Case Manager for State funding programs for financing water supply facilities, including NJ Environmental Infrastructure Trust, 1981 Water Supply Bond Fund, Spill Compensation Fund and other grant/loan programs.

Digester Assessment, Basis of Design, Rehabilitation Design & I Bank Funding, Joint Meeting Essex and Union County – acted as Project Engineer and I-Bank Expert for the comprehensive engineering services for the rehabilitation of Digester No. 3 at the Joint Meeting's Wastewater Treatment Plant in Elizabeth, New Jersey. The project focused on upgrading a 95-foot diameter anaerobic digester equipped with a gas-holding floating cover. Major improvements included the removal and replacement of the gas holder cover, modifications to the sludge and gas piping systems, and a full evaluation of the existing jet mixing system. Thorough internal and external tank inspections guided the development of structural repair recommendations, with particular attention to deteriorated concrete surfaces. Each improvement was evaluated not only for structural integrity, but also for enhanced operational efficiency and ease of maintenance, ensuring long-term performance and reliability for the facility. The project was financed through the New Jersey Infrastructure Bank (NJ I-Bank), requiring close coordination with NJDEP and adherence to state and federal funding requirements. RVE prepared the technical documentation necessary to support the application process, including the Environmental Planning Document (EPD), SED Utilization Plan, and Resiliency Plan. From initial design through final construction, RVE's responsibilities included developing design documents, preparing demolition and staging plans, specifying the new gas holder cover and related appurtenances, and coordinating with the jet mixing manufacturer to integrate upgrades. As the project moves into bidding and construction, RVE continues to provide support with bid review, contractor coordination, and full-time construction administration and inspection. Given I-Bank financing, all work is subject to EPA AIS and Build America, Buy America (BABA) compliance, with records to be maintained to meet audit requirements both during the project and for two years after completion.

Phase 7B Sewer and Water Main Rehabilitation, Jersey City Municipal Utilities Authority, NJ – I-Bank Expert responsible for assisting the Authority with funding for the replacement of their water system on various streets Most of the segments to be replaced were cast iron pipe ranging in size from six-inch to 20-inches in diameter in Jersey City, NJ. Due to the nature of Jersey City, the water and sanitary main replacements are being completed in areas of historic fill and contaminated section. RVE worked with our in-house Licensed Site Remediation Professional to properly sample and establish the amount of fill material to be removed from the site and properly handled during construction activities. Project specifications were prepared to include methods for dealing with heavy traffic loads at all intersections. RVE prepared guidelines for a health and safety plan, based on the testing of soil and groundwater to be utilized in the preparation of construction documents. Materials were selected for improvements and related construction and submitted recommendations to the Authority for review and comment. Services include design development, permitting, the preparation of NJ IBank Clean Water and Drinking Loan applications, bidding services and construction administration.

Jacqueline Trovato, PE

Structural Engineer

Associate

Overview

- More than 10 years of engineering experience
- Structural engineering design of buildings, bridges, foundations, retaining walls and bulkheads; and analysis of existing and proposed structures
- Performance of structural inspections
- Preparation of construction documents including drawings, specifications and cost estimates
- Projects supported include stormwater management, water/wastewater treatment facilities, educational facilities, and bridge/building inspections

Availability for Project

45%

Work History

RVE experience: 2013 to present

Total experience: 13 years

Education

B.S., Civil & Environmental Engineering, Lafayette College, 2010

B.A., Architectural Studies, Lafayette College, 2010

Certifications/Registrations

Professional Engineer – NJ, PA, DE, CT, NY, RI, VA, MA, MD, NC

Certified Municipal Engineer – NJ

Construction Specifications Institute (CSI) – Certified Document Technologist (CDT)

American Society of Civil Engineers (ASCE), Associate Member

ASCE Practitioner of the Year Award, 2012

Representative Project Experience

Wastewater Treatment Plant Expansion, Phillipsburg Town, NJ – Structural Engineer responsible for the preparation of a Design Report and preparation/submittal of the NJEIT Financing Program Funding Application. Funding was used to expand the plant capacity from 3.5 MGD to 4.3 MGD and to address more stringent effluent limits to meet the Delaware River Basin Commission special waters protection regulations. This $5.5 million project involved adding flow equalization, process changes to incorporate Biomag technology and construction of ultraviolet disinfection within the existing chlorine contact tanks.

Foundation and Structural Framing of Anaerobic Digesters, Gloucester County Utilities Authority, NJ – Senior Structural Design Engineer for the design of the foundation and structural support of the digesters at the GCUA Wastewater Treatment Plant. The design included concrete ring walls, matt foundations and concrete ground improvements to increase soil bearing capacities. Structural design also included the control building and support for all equipment and piping appurtenances. The bio-gas from these egg shaped digesters is used for the combined heat and power (CHP) generation facility as part of the plants sludge handling process.

Enhanced Nutrient Removal Wastewater Treatment Plant Expansion, Woodstown Sewerage Authority, NJ – Structural Engineer responsible for enhanced nutrient removal improvements to the Woodstown Sewerage Authority's Wastewater Treatment Plan. Phase One consisted of the replacement of the aging mechanical bar screen and the aeration blowers within the treatment plant. The headworks bar screen was replaced with an in-channel grinder and auger. Four existing aeration blowers were arranged two blowers for each aeration tank and operated in a configuration of either low/medium dual speed or high single speed configuration. Three replacement blowers were provided with VFDS, one blower each dedicated to an aeration tank with redundancy via a built-in back up. Phase Two improvements consisted of adding an Equalization/Fermentation Tank, replacing the sand filter with a membrane filter, adding an additional chemical storage facility and providing all restorations required for a complete project. This project was funded with a USDA $2.346 million dollar loan and a $1.254 million dollar grant for a total award amount of $3.6 million dollars.

PFNA Removal & AOP – 1,4 Dioxane - Woodbine Treatment Plants, Merchantville-Pennsauken Water Commission, NJ – Senior Structural Engineer responsible for the structural design associated with the treatment system for the removal of perfluorinated compounds, PFNA, PFOS and PFOA and 1,4 Dioxane at the Woodbine Water Treatment Plant (2.88 MGD) The plant, similar to the National Highway plant, is supplied with raw water from two wells with a diversion capacity of 1,000 gpm. Existing treatment includes volatile organic compounds removal, treatment and filtration for iron and manganese and disinfection using sodium hypochlorite. RVE served as Project Engineer for portions of previous treatment improvements including high-rate filtration at the National Highway Facility. RVE completed an alternatives analysis and determined an advanced oxidation process for 1,4 Dioxane removal in drinking water systems, using ultraviolet irradiation + hydrogen peroxide (UV/H_2O_2), in which H_2O_2 is added in the presence of UV light to generate hydroxyl radicals, thereby oxidizing the contaminant. This is then followed by granular activated carbon filtration which effectively removes perfluorinated compounds and an unused peroxide. The Woodbine Plant is currently in permitting for construction approval.

Treatment Plant Improvements, Woodbury City, NJ – Senior Structural Design Engineer for design improvements to the water treatment plant and overall water system. Structural design included modifications to the existing building structure to raise the interior roof height for installation of Granular Activated Carbon (GAC) Filtration. Design included of extension of existing bearing walls and modifications to existing roof trusses.

Kavan Smith, PE

Electrical Engineer

Associate

Overview

- A decade of experience with complex hands-on technical projects, including water/wastewater electrical design including controls and SCADA
- Designs lighting and power electrical plans, involving riser diagrams and load diversity calculations
- Designs and programs control panels, involving the automation control of servos, VFDs, relays and PLCs

Work History

RVE experience: 2019 to present

Total experience: 11 years

Education

B.S., Electrical Engineering, Drexel University

Certifications/Registrations

Professional Engineer – NJ, PA

Representative Project Experience

Catasauqua Borough Wastewater Treatment Plant Electrical Upgrades, Catasauqua Borough, PA – Electrical Engineer responsible for upgrading the electrical systems at the Wastewater Treatment Plant in Catasauqua, PA. Improvements included the replacement of influent pumps, replacement of belt filter press, and back up chlorine injection system at the 2.25 MGD plant. Electrical upgrades included work for the new plant generator.

Blower Evaluation, Analysis and Recommendations, Brodhead Creek Regional Authority, PA – Electrical Engineer responsible for the investigation of ongoing performance issues at the wastewater treatment facility in Monroe, PA, following the conversion of their aeration system from Autothermal Thermophilic Aerobic Digestion (ATAD) system to coarse bubble diffusers. Facility staff reported persistent challenges in achieving target dissolved oxygen (DO) levels, even with continuous blower operation, resulting in reduced process stability, increased energy consumption, odors, incomplete digestion and concern regarding regulatory compliance. RVE conducted a systematic assessment of the aeration system with a focus on blower performance, oxygen transfer efficiency, and diffuser configuration. Based on these various evaluations and analyses, it was determined that existing blowers were underperforming, unable to supply the required air volume at actual field conditions, coarse bubble diffusers were not suited for the shallow tank depths, resulting in very low transfer efficiency, continuous blower operation, combined with limited transfer efficiency, created excessive energy use without achieving treatment objectives and inadequate DO levels jeopardized nitrification, posing a risk to effluent permit compliance. RVE provided the Authority with recommendations for blower upgrades, aeration system modifications, controls integration and energy optimization. The evaluation provided BCRA with a clear understanding of the root causes behind the facility's aeration issues: inadequate blower performance and poor diffuser oxygen transfer due to shallow tank depths. RVE's recommendations outlined a practical path forward—blower replacement, diffuser reconfiguration, and SCADA-based DO control—to improve oxygen transfer efficiency, reduce energy consumption, and restore stable treatment performance.

Wastewater Treatment Plant Electrical Upgrades, Neptune Sewerage Authority, NJ – Electrical Engineer responsible for the installation of a new medium voltage and low voltage distribution system as well as an emergency generator at the Wastewater Treatment Plant in Neptune, NJ. Tasks included evaluating and upgrading the existing electrical distribution system including site survey and investigation; load flow calculations; voltage drop calculations; equipment sizing calculations; short circuit calculations; arch flash calculations; circuit breaker coordination study; phasing plan to switch over the existing system to the new system with no disruptions; preventative maintenance plan for the new equipment; a new 34.5kV to 4.8kV substation; a new 3MVA transformer oil confinement foundation; coordinate with New Jersey Central Power and Light for a new electrical service; provide a new generator and ATS to power the entire facility in the vicinity of the new substation; provide provisions for an additional entire facility generator to add additional emergency power redundancy; provide new 5kV pump station distribution switchgear; provide provisions for future biogas generation; provide new 5kV underground distribution cables; provide new 4.8kV to 480V stepdown transformers throughout the site; provide new 480V distribution switchboards; provide new 480V motor control center; integrate the existing control scheme into the new 480V motor control center; provide construction cost estimates; and provide as-built drawing for the new equipment. All designs were prepared in accordance with NFPA 820 – Standard for Fire Protection in Wastewater Treatment and Collection Facilities for the hazardous classified areas located within the facility.

SCADA Design, Township of Falls Authority, PA – Electrical Engineer responsible for Phase II of the SCADA integration project in Falls Township, PA. Tasks included the installation and integration of Oxford Valley Pump Station, Penn Village Pump Station and Nottingham Village Pump Station into TOFA's SCADA System.

Monica Bell, PE

Permitting Specialist

Overview

- Specializes in water/wastewater resource projects, NJDEP and EPA regulatory compliance and management and water /wastewater/stream/groundwater modeling and permitting
- Conducts technical studies and field investigations focused on groundwater hydrology, lake sedimentation, and various water and wastewater treatment and distribution issues
- Experienced Senior Project Engineer and Project Manager
- Engineering Lead for complex modeling projects including stream, Cormix modeling, WaterGEMs, SewerGEMs,

Work History

RVE experience: 2006 to present

Total experience: 25 years

Education

M.S., Civil and Environmental Engineering, California State University Fullerton

B.S., Chemical Engineering, Pennsylvania State University

Certifications/Registrations

Professional Engineer – NJ, VA, TX

40-Hour OSHA HazMat Certification

Representative Project Experience

Industrial Pretreatment Program Assistance, Maple Shade Township, NJ – Project Engineer responsible for evaluating the suitability of a proposed industrial discharge. Tasks included a review of application materials, laboratory analytical data and designing a headworks analysis for a potential pilot study.

Water Effect Ratio Studies, Phillipsburg, NJ – Project Engineer responsible for the preparation of workplans and subsequent reports for water effect ratio studies for copper in the wastewater discharge for wastewater treatment plant. The study was conducted to determine a more specific water effect ratio to be used to calculate appropriate copper levels allowable for discharge in the wastewater treatment plant effluent. The study resulted in higher allowable copper limits for the wastewater treatment plant that were determined to maintain protectivity of human and environmental health.

New Wastewater Treatment Plant, Buena Borough Municipal Utilities Authority, NJ Project Engineer responsible for providing permitting for the upgrades to the plant using Membrane Bio-Reactor technology to increase capacity and to achieve the new discharge parameters. Key components include a new 2 mm bar screen system, new high-efficiency aerators and Membrane Bio-Reactor technology followed by UV disinfection. Partial demolition services were also provided. The Membrane Bioreactor effectively disinfects such that the NJDEP has permitted the Authority to discontinue using UV disinfection. UV remains in place only as an emergency backup.

Groundwater Under the Influence of Surface Water Study, Camden County Municipal Utilities Authority, NJ – Project Engineer responsible for the completion of a Regional Flood Mitigation Study completed for the CCMUA, to identify areas for green infrastructure and develop project information to obtain funding. Specifically, RVE identified three areas with flooding that could be mitigated by Green Infrastructure. Site specific information regarding existing infrastructure, flood history, and regional impacts were utilized to develop information for the conceptual Green Infrastructure. This information was presented to the CCMUA for use in obtaining funding for future projects.

Princeton Avenue Sanitary Alignment and Extension, Jersey City Municipal Utilities Authority (JCMUA), NJ - served as Permitting Specialist responsible developing all necessary permits for the extension of sanitary sewer for the JCMUA. The project included the elimination of combined sewers along Princeton Avenue. RVE was tasked with sizing the sanitary sewer only system, alignment, geotechnical to assess underlying geology and rock conditions, and design/permitting of the new sanitary sewer improvements.

Regulatory Agency Compliance, NJ – Capacity Assurance Program – Project Engineer responsible for the preparation of Capacity Assurance Plans and Reports for Maple Shade Township and Buena Borough in compliance with NJDEP regulations. Tasks include providing guidance to clients for developing and initiating activities to reduce inflow and infiltration flows to wastewater treatment plants.

Regulatory Agency Compliance, NJ – PCB Minimization Program - Project Engineer responsible for the preparation of PCB minimization plans and reports for the Gloucester County Utility Authority and Bordentown Township Sewage Authority in compliance with DRBC regulations. Tasks include summarizing PCB analytical results and providing guidance to clients for developing and initiating activities to reduce PCBs within their sewer service area

Local Limits Analysis, Conshohocken Authority, PA – Project Engineer responsible for a local limits analysis. Tasks included directing wastewater sampling efforts and review and analysis of results and maintained communication with the PADEP to ensure efficient and effective approvals for all submittals.

Gabriel Parent, NICET IV, CMI, ACI, TCC

Chief Inspector Water / Wastewater Division

Overview

- Over 27 years of water / wastewater Construction experience
- Duties include project management for municipal and county clients throughout the State of New Jersey verifying construction is in accordance with the project plans and specifications. Conducting progress meetings with clients and the contractor to ensure project is being completed in a timely manner and according to budget
- Experience in sanitary sewer and wastewater treatment plant components and operation. Water main installation, supply distribution systems and operation of water treatment plants. Storm sewer installation and roadway construction

Work History

RVE experience: 2002 to present

Total experience: 27 years

Education

Inspector Training & Certification, Rutgers University

Construction Management, Gloucester County College

CAD Program, TI of Camden County

Certifications/Registrations

NICET IV – Highway Construction

NICET IV – Water Sewer Lines

NICET II – Water/Sewer Plant Construction

NJSME Municipal Construction Inspection Program

NJTCC

NJSAT HMA Technician I certification

NJSAT HMA Plant I certification

ACI Grade 1

Confined Space Training

Water System Operation

OSHA – 40 hours

Representative Project Experience

Blower Evaluation and Upgrades, Town of Phillipsburg, NJ – Inspection Chief responsible for the comprehensive blower system upgrade for the 3.5 MGD advanced wastewater treatment facility in Phillipsburg, NJ, which uses Sequencing Batch Reactors (SBRs) and the BioMag® system for high-performance nutrient removal. The project focused on resolving inefficiencies in blower performance, aging electrical components, and the lack of integrated automation. The existing system lacked precision in airflow delivery during the various SBR phases, and staff were frequently required to intervene manually to maintain treatment targets. RVE's role encompassed the full project lifecycle—from assessment and design through bidding, construction oversight, and project closeout. Specific tasks included the detailed inspection of the blowers serving the SBR and BioMag Zones through assessing the blower sizing, operational history and aeration demands relative to updated process conditions. The existing MCCs, motor starters, breaker sizing and feeder circuits were reviewed and NFPA 70E and NEC compliance were addressed. RVE designed a DO based control strategy with individual feedback loops for each SBR and BioMag basin, integrated blower speed modulation with facility SCADA to support automated sequencing, fault alarms and data logging. Lastly, RVE sized and specified high-efficiency blowers with VFDs to meet variable demand cycles, designed layout, piping modifications, and ventilation provisions for installation and provided recommendations to optimize energy use and improve turndown capability. Key outcomes include the installation of a modernized, VFD driven blower system, tailored for SBR cycle variability and BioMag operational needs, the full automation and SCADA integration enabling real-time control, performance tracking and energy optimization and the reduction of manual operation which improved system reliability. Energy savings were achieved through the elimination of over aeration and the precision control of blower output and the enhanced operational flexibility and long-term sustainability of the aeration process.

Anaerobic Digester Project, Gloucester County Utilities Authority, NJ – Construction Inspector responsible for the coordination of field activities related to the construction of anaerobic digesters, in combination with using the biogas for combined heat and power generation. The anaerobic digesters will work seamlessly with the facility's current sludge handling process and it is anticipated the construction will have minimal impact on daily plant operations. The digesters were constructed entirely within the existing Authority property at the location of the abandoned composting facility.

Utility Inspections, Gloucester County Utilities Authority, NJ – Senior Utility Inspector responsible for various projects including digester site improvements, Sarex separation facility, electric blower replacement, aeration basin upgrades gate replacements, digester foundation walls. rehabilitation to final clarifiers #1 and #4, the replacement of Woodbury Terrace Force Main, modifications to the grit tank system. Lambs Road Interceptor lining CIP, replacement of the blend tank mechanism, rehabilitation to Warren Street air release valves. repairs to belt filter press #4, replacement of plant bar screens #1 and #2, structural repairs to the aerated grit tanks, sodium hypochlorite chemical tank replacement, plant blower piping replacement, aeration basin piping and diffuser replacement, construction of the Pitman Golf water re-use plant, rehabilitation of sludge thickeners #1 and #2, rehabilitation to Shoppers Lane force main CIP and station upgrades, substation electrical upgrades 2010 (ARRA), replacement of final clarifiers #1 and #2, substation electrical upgrades, administration building roof replacement, TV clean and repair various trunk lines, plant management system upgrades, Deptford interceptor rehabilitation CIP, Plant security upgrades and Weathervane and Country Gardens metering stations.

Stanley C. Kalucki

Construction Inspector

Overview

- Nearly a decade of experience in construction oversight, payment application development, daily reports and the management of as-built drawings
- Experienced in inflow and infiltration investigation, including manhole inspection, weir measurements, flow metering, smoke testing and CCTV inspection , treatment plant improvements and pump stations rehabilitations

Work History

RVE experience: 2023 to present

Total experience: 11 years

Education

B.S., Construction Engineering Technology, New Jersey Institute of Technology, 2014

Certifications/Registrations

OSHA 30

Pipeline Assessment Certification Program (PACP), NASSCO

Lateral Assessment Certification Program (LACP), NASSCO

Manhole Assessment Certification Program (MACP), NASSCO

Confined Space Training Certificate

Representative Project Experience

Task Order No. 6 ESA Design, Seneca Creek–Poolesville Sewer Rehabilitation, Washington Suburban Sanitary Commission, Prince George's and Montgomery Counties, MD – Construction Inspector responsible for providing manhole inspections and recommendations for the construction of three sewer segments totaling about 543.5 feet of 6-inch sewer pipe. In addition, 22 manholes will be lined or replaced along with asset protection and site restoration. The area has several manholes, which required site access, survey, access roads, restoration and asset protection. These manholes are on private property and adjacent to an existing stream, requiring an Access Agreement.

Phase 2A Sewer Replacement/Rehabilitation Project, Jersey City Municipal Utilities Authority, NJ – Construction Inspector responsible for supporting the upgrade of sewer systems at 21 locations in Jersey City as part of Phase 2A. The project involves three phases: Project Development and Permitting, Design and Construction Documents and Construction Administration. RVE provided engineering services, including securing funding, preparing environmental documents, conducting surveys, obtaining permits, and overseeing construction. The project includes replacing various sewer mains, particularly vitrified clay pipes, across the city. The detailed tasks encompass NJEIT loan application, geotechnical evaluations, environmental sampling, and construction inspection. Tasks included attendance at project meetings, reviews, planning, field investigation, administrative tasks and preparation for construction documentation.

Beach Haven West Sanitary Sewer Replacement Phase 5, Stafford Township, NJ – Construction Inspector responsible for constructability reviews and QA/QC services for the removal and replacement of 6,296 LF of ACP Sanitary Sewer main with 6,011 LF of 8" SDR-35 PVC and 272 linear feet of 15" SDR-35 PVC pipe, encompassing tasks such as manhole removal/installation, sewer lateral work, dewatering, and temporary bypass pumping in Stafford Township's Beach Haven West section, with additional activities like test pits, roadway restoration, inlets and drainage pipe installation, traffic control, pavement striping, site clearing, restoration, and cleaning/televising of the sanitary sewer main and laterals.

Butterworth Clarifier Rehabilitation - Oversaw the daily construction including sandblasting and painting steel, installation of new motor, installation of new scum baffles.

Nitrification Tanks & Blower Rehabilitation – Hanover, NJ - Oversaw the upgrades to Nitrification tank including installation of new 12" DIP exterior piping including installation of 3 precast chambers to house wet well, valve chambers and dry well. In addition, installed new disc aerators at the base of the tank.

Woodland STP / Butterworth STP HVAC Upgrades – Morris Township, NJ - Oversaw the installation of multiple rooftop HVAC systems on various buildings between the two treatment plants.

Skyline Drive Sewer – Morris Township, NJ - Oversaw the daily construction of the installation of new sewer consisting of 6,110 LF of 8" PVC gravity sewers, 1350 LF of 3" PVC low pressure force main, 1,460 LF of 2" PVC low-pressure force main, and 1,000 LF of 1.5" PVC low pressure force main. Project included installation of exterior drop manholes and manholes that housed pressure relief valves and shut off valves along with odor control devices in the discharge manhole. Project included blasting through 20 ft of rock that began 1-ft under surface pavement. Coordinated hook up locations with residents. Oversaw all pressure tests of lines.

RECEIVED
SEP 9 2025
L.B. SEWERAGE AUTHORITY

YOUR GOALS. OUR MISSION.

LBSA 25011

September 9, 2025
Via Email: troguski@lbsa.net

Thomas Roguski, PE, CME
Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
Long Branch, New Jersey, 07740-0702

Re: Proposal for Professional Engineering Services
2025 WWTP and Collection System Capital Improvements
Long Branch Sewerage Authority
Long Branch, Monmouth County, New Jersey

Dear Mr. Roguski:

T&M Associates (T&M) is pleased to provide this Proposal for Professional Engineering Services to the Long Branch Sewerage Authority (LBSA) related to the Authority's 2025 Wastewater Treatment Plant and Collection System Capital Improvements, which are anticipated to include; upgrades to the plant digesters, replacement of emergency effluent pumps and upgrades within the sanitary sewer collection system.

PROJECT UNDERSTANDING

The LBSA owns and operates the wastewater treatment plant placed in operation in 1968 located at 150 Joline Avenue. The LBSA serves a population of approximately 31,000 in Long Branch and parts of West Long Branch with a collection system of approximately 500,000 linear feet and six pump stations.

Pursuant to the Request for Proposals (RFP) the following project objectives have been defined:

WWTP - Digester Improvements – T&M will evaluate all existing equipment to ensure compliant operations. The digestor will be cleaned and covers replaced. While the digester is offline the improvements will include items for structural repair and internal piping replacement (as needed). Improvements will be incorporated into the existing SCADA system. The following improvements are anticipated:

- Digester Cover Replacement
- Blower Replacement
- Replacement of valving
- Replace Heat Exhanger
- Safety and monitoring upgrades
- Controls and instrumentation

WWTP - Emergency Effluent Improvements – the LBSA is requesting increased capacity in the emergency effluent pumps (if possible), T&M will evaluate hydraulic capacity and present to the Authority. The following improvements are anticipated:

- Effluent Pumps
- Pipe gallery and Valving
- Controls
- Variable Frequency Drives (VFD)
- Permanent by-pass chamber

TOM

9-11

Collection System Improvements – The replacement of gravity sewer lines, laterals and manholes within the following roadways:

- Sixth Avenue
- Slocum Place
- West End Avenue
- Westwood avenue

TASK 1 - SITE INVESTIGATION AND DUE-DILIGENCE

The following scope of services represents T&M's Investigation Phase services:

WWTP FIELD INVESTIGATION – T&M will complete site inspections of the Joline Avenue WWTP to confirm dimensions, scope of improvements and evaluate equipment. T&M will mobilize the following engineers and has anticipated the following work associated with this effort:

1. Two (2) Days of support from our wastewater group;
2. Two (2) Days of support from our electrical group; and
3. One (1) Day of support from our structural group.

The intention of this effort is to confirm all field dimensions, review existing/proposed equipment modifications, existing condition of the electrical one-lines and necessary improvements and structural investigation of accessible structures.

PLAN DIGITIZATION AND AS-BUILT PLAN PREPARATION – T&M was provided the following plans for use as base mapping for improvements within the WWTP:

1. Secondary Wastewater Treatment, Sheets 1 to 228 of 228, Dated January 1972
2. Joline Avenue Force Main and Pump Station Modifications, Sheets 1 to 11 of 11, Dated December 1986
3. Pumping Station Improvements Project, Sheets 1 to 12 of 12, Dated January 2012
4. Wastewater Treatment Plant Modifications, Sheets 1 to 81 of 81, Dated 2012
5. As-Built Plan for Long Branch Sewerage Authority, Sheets 1 to 2 of 2, Dated September 2015
6. WWTP Electrical System Improvements Record Drawings, Sheets 1 of 34 of 34, Dated February 2019

The necessary sheets will be utilized for the preparation of the design plans. Where necessary these plans will be modified based on the field measurements captured as part of the field investigation.

DUE-DILIGENCE AND TECHNICAL MEMORANDUM – T&M will prepare a technical memorandum that will review the findings from the field investigaton and document review. In addition, this document will contain recommendations for improvements and an updated construction cost estimate. The memorandum will include the following:

- **WWTP Electrical Due-Diligence** – T&M will provide an electrical PE to perform an in-depth, on-site evaluation of the existing electrical systems to be impacted by the proposed improvements. This will include a review of the improvements associated with the Digester and Emergency Effluent Pump upgrades. The result of this evaluation will be included in the Preliminary Technical Memorandum.
- **WWTP Wastewater Due-Diligence** –T&M will provide a summary of the site investigation, equipment recommendations, preliminary hydraulic calculations and permitting requirements. The result of this evaluation will be included in the Preliminary Technical Memorandum.
- **WWTP Structural Due-Diligence** – Based on available information and proposed improvements preliminary recommendations will be provided from T&M's structural department. The result of this evaluation will be included in the Preliminary Technical Memorandum.
- **WWTP Environmental Due-Diligence** – This scope of services is a general description of Environmental Due Diligence Services to determine environmental constraints located at the Joline Avenue WWTP located at 150

Joline Avenue in Long Branch Township, New Jersey. This scope excludes New Jersey Department of Environmental Protection (NJDEP) Division of Land Resource Protection (DLRP) Permits. Upon completion of the Due Diligence services, if it is determined that NJDEP DLRP permits are required, **T&M will prepare a separate proposal for these services.**

Activities within features such as the Troutmans Creek, wetlands and transition areas are regulated by the NJDEP DLRP. If the project involves any impacts to regulated areas, regulatory review of the proposed project is under the jurisdiction of the NJDEP DLRP. T&M will adhere to the NJDEP's regulatory requirements. In order to determine if the project requires any permits, T&M will complete the following tasks:

1. **Wetland and Top of Bank Delineation:** The wetlands and state open waters located onsite and within 150 feet of the site will be delineated pursuant to NJDEP criteria and in accordance with the Federal Manual for Identifying and Delineating Jurisdictional Wetlands (1989), the method currently accepted by the NJDEP Division of Land Resource Protection. This includes an analysis of the soil with a hand-held auger, signs of hydrology and review of hydrophytic vegetation onsite. The resultant wetland delineation will be located and plotted on the existing conditions survey or available NJDEP aerial mapping using Global Positioning System (GPS) equipment. The information observed during the wetland delineation will be compiled into a field book and used for the Environmental Due Diligence Memo and any future permit applications.
2. **Environmental Permit Analysis/Due Diligence Report/GIS Maps:** Upon completion of the wetland and open waters investigation, if there are wetlands, State open waters or Wetland Buffers onsite that will be impacted, T&M will prepare an Environmental Due Diligence report memo that describes the findings of the field work and GIS research. The report will also include a regulatory/permitting recommendation section which will outline the various regulations and the required permits if there is disturbance to the regulated areas. T&M will utilize NJDEP GIS data to determine if the site is encumbered by floodplains, Threatened or Endangered species, groundwater contamination, Known Contaminated sites (KCSL), historic resources, DRCC, Natural Heritage Sites, or any other environmental constraints. The report will also include GIS Maps, FEMA Flood Maps, color photographs, field notes and information related to the wetland investigation.

- Flood Hazard Area Due-Diligence – A due diligence review of the proposed improvements associated with the emergency effluent pump, controls and permanent by-pass installation will be performed with respect to the NJDEP Flood Hazard Area Act Rules at N.J.A.C. 7:13, dated July 17, 2023, in order to identify potential permitting requirements associated with the project site and the various sanitary pump station improvement alternatives, as follows:

    1. Perform a review of effective FIRM mapping, State floodplain mapping, or other available data, in order to establish the flood hazard area limits on the site, if available.
    2. Conduct a pre-application meeting with the NJDEP Division of Land Use Regulation in order to determine the permitting requirements, including any hydraulic and hydrologic calculations, for the project based on available floodplain information and the sanitary pump station improvement alternatives.
    3. An engineering memorandum will be developed detailing the findings of our review and the NJDEP meeting, along with design and permitting recommendations.

The due-diligence work will identify all required permits based on the LBSA's requested final improvements as part of the Technical Memorandum and cost estimate review phase. Hydraulic and hydrologic calculations to establish the flood hazard area on the site, stormwater management design and analyses, and floodplain cut and fill calculations are all excluded from this scope and fee T&M will provide a separate proposal for the completion of any additional required permits.

An Engineer's Estimate of Probable Cost will be prepared based on the preliminary design documents and submitted to the Authority for review and comment. Cost estimates will be prepared in accordance with the Associates for the Advancement of Cost Engineering, AACE guidelines.

BOUNDARY AND TOPOGRAPHIC SURVEY – An existing conditions, utility and topographic survey will be prepared for the following locations:

- Sixth Avenue – 982 Linear Feet (from Broadway to Old RR ROW)
- Slocum Place – 1,141 Linear Feet (from Broadway to South 5th Avenue)
- West End Avenue – 1,175 Linear Feet (from 2nd Avenue to Ocean Avenue North)
- Westwood Avenue – 1,150 Linear Feet (from Brighton Avenue to Mark Drive)

Mapping will be based on the horizontal datum NAD 1983 and vertical datum NAVD 1988 and will include:

- Roadway and driveway curb and gutter or edge of pavement;
- Visible storm, sanitary and other utility structures, valves, shut-offs, drainage structures, manholes w/pipe size, & invert elevations (without entering confined space);
- Individual trees (where not in wooded areas) with trunk diameter at breast height. Shrubs, bushes, hedges;
- Wooded areas will be represented by tree line along the general trunk line;
- Signs, utility poles with identification numbers;
- Fences (indicate type/material);
- Fire hydrant locations;
- Location of recovered property corner markers.

Field survey crew will collect plentiful existing surface grade shots for the generation of the existing surface and contours plotted at one-foot intervals (based on NAVD 1988 and NAD 1983). A review of the current title report and/or available subject property and adjoining property ownership deeds and record surveys will be conducted in comparison with the survey plat to be produced so that relevant title exceptions and easements are noted. If made available, other existing record documents such as as-built drawings, record surveys and site plans will be reviewed, and relevant information noted on the survey plan. This proposal includes effort to modify the survey plat in accordance with one round of title/attorney review comments.

TASK 2 – NJ INFRASTRUCTURE BANK (I-BANK) CLEANWATER SRF

T&M has extensive experience providing services associated with NJ Infrastructure Bank (I-Bank) Program Funding, including the initial letter of intent, planning documents, design documents, submission of the loan application, project certifications, construction services, management and/or project funding closeout services. The firm has completed and coordinated local, State, Federal grant/loan applications, agreements, reimbursements and certifications for hundreds of millions of dollars' worth of water, wastewater and sewer projects over the past 10 years.

Based on T&M's understanding the following services have been included as part of this project:

1. T&M will coordinate with the LBSA's designated "Authorized Representative" to be named as a collaborator on the Authority's current application for the project in order to access LBSA's H2loans portal. It is our understanding that the Project Information form has been submitted and the application for the WWTP Improvements has already been ranked by the NJDEP.
2. As required by NJDEP, T&M will prepare, in accordance with NJDEP requirements, a Level 1 Environmental Review Planning Document for the proposed capital improvements. The planning document will outline the project service area, project alternatives, selected project detail, and include a discussion of potential

environmental impacts, resiliency requirements, the need for the project, and water quality considerations and benefits. Details on permitting, cost estimate, construction schedule, funding repayment and user cost analysis will also be included. Mapping and figures showing the project location and proposed improvements will be prepared and included in the final report. Please note, the figures provided will not be design drawings but will be conceptual in nature, to outline the scope of work proposed. A draft copy of the planning document will be submitted to LBSA for review and comment. Once all questions have been answered, the final planning document will be uploaded to the H2loans portal, and the Letter of Intent form will be completed. T&M will coordinate with LBSA for electronic signature and submission of this step in the funding application process.

3. Once the design documents for the proposal capital improvements are completed, T&M will initiate the loan application form. This will include coordinating with LBSA to prepare and sign off on the necessary documentation including the Authorizing Resolution and Supplemental Certifications needed by the NJDEP. The online loan application form will also be populated, and requisite backup documentation will be prepared and collated for submission to the NJDEP. Specifications will be amended to include the necessary NJDEP and funding program requirements. T&M will also coordinate with the Office of Equal Opportunity (OEO) to prepare the Socially and Economically Disadvantaged (SED) Plan and submit a copy of the front-end specifications and SED Plan for review and approval. Once the loan application is completed, copies of all supporting documentation will be uploaded to the H2loans portal, and our office will coordinate with LBSA for the electronic signature and submission of this phase of the funding application process.
4. Once all funding application forms and supporting documentation have been submitted to the NJDEP for review and approval, T&M will coordinate with the NJDEP as needed to address any comments or questions raised during the environmental and technical review of the application submission. T&M will request Authorization to Advertise once all approvals have been issued and the project is ready for certification. Our office will coordinate with LBSA for bidding of this project upon approval from the NJDEP.
5. Once bids have been received, T&M will prepare the Authorization Award package and submit a request for award approval along with all requisite back-up documentation as required by the funding program. Once approval is granted, T&M will initiate contract award with the apparent low bidder.

Additionally, T&M will provide assistance and coordination as needed with LBSA and their Bond Counsel once award approval is issued and the Authority is ready to proceed with interim financing, as well as when all work is completed and LBSA is approved to enter into permanent financing. This will include providing information necessary to assist in the completion of the funding application forms, developing drawdown schedules and confirming submission of final engineering and contractor costs for total loan amount updates prior to entering into permanent financing.

Please note that it is anticipated that only one funding application will be necessary for the proposed capital work outlined in this proposal. In the event, the NJDEP determines that a separate application must be submitted for the collection system improvements, our office will provide a separate cost proposal for this effort.

TASK 3 – PRELIMINARY AND FINAL DESIGN

T&M will complete all design plans, specifications and engineering reports necessary to support the proposed improvements. T&M will provide submissions to LBSA for the 50% and 100% design documents.

T&M anticipates the following sheet set in association with the proposed improvements:

- Cover Sheet
- General Notes and Legend
- Construction Notes
- Existing Conditions

- Demolition Plans (4 – 6 Sheets)
- Construction Site Plan (2 Sheets)
- Mechanical Construction Sheets (6 – 8 Sheets)
- Electrical Plans, One-Line, Conduit Plan (2 – 4 Sheets)
- Structural Repair Notes and Details (2 Sheets)
- Plan and Profile Sheets (6 – 8 Sheets)
- NJDOT Traffic Control Details and Plans (2 Sheets)
- Construction Details (2 – 4 Sheets)
- Soil Erosion and Sediment Control Plans (6 Sheets)

Traffic detour plans will be the responsibility of the contractor to provide.

MECHANICAL AND PROCESS IMPROVEMENTS

- Prepare demolition plans for emergency effluent pumps, digester improvements and permanent by-pass chamber.
- Coordinate with LBSA and preferred pump vendors for the selection of replacement emergency effluent pumps.
- Design process piping and valving replacement to be completed with digester cover replacement.
- Working with disaster cover manufacturers prepare plans and details for the replacement of the existing covers.
- Prepare specification for cleaning and inspection of the digester internals for repair and replacement while out of service.
- Prepare detailed mechanical process drawings and specifications.

ELECTRICAL

- Incorporate floodproofing measures for electrical equipment.
- Design new instrumentation and monitoring for digester.
- Prepare one-line diagrams and electrical plans/details.
- Design controls and SCADA system integration.

STRUCTURAL

- Prepare structural repair notes and details for the deficiencies identified during our site visit.
- Prepare structural repair notes and details for use within the digester.

SITE PIPING AND COLLECTION SYSTEM IMPROVEMENTS

- Prepare plan and profile sheets for improvements
- Restoration details and plans in accordance with local requirements.

TASK 4 – PERMITTING SERVICES

T&M has accounted for the permits described below in our scope of work and price proposal. As part of the Investigation and Due-Diligence Phase, T&M will conduct an initial permit investigation to identify additional federal, county, state, or local permits that may be required for this project. Should any additional permits be required, a separate scope and fee for these services will be submitted for approval prior to commencing with any such work.

NJDEP TWA Application – The preparation of a TWA Application will depend on the final scope of improvements associated with the Emergency Effluent Pump Replacement and the Collection System Improvements. Based on T&M's review of the collection system record plans there is the possibility of increasing the pipe size for at least one of the work locations. T&M will prepare a New Jersey Department of Environmental Protection Treatment Works Approval (TWA) application for the proposed modifications to the existing wastewater treatment facility and collection system improvements. The application will include all necessary engineering design plans, technical specifications, engineer's report, construction cost estimate and all associated application form material. T&M will coordinate with the LBSA and Township for endorsement of all application forms and provide the cost for the associated application fee to be provided by the LBSA.

Soil Erosion and Sediment Control Plan Certification – The proposed collection system improvements will result in a total disturbance greater than 5,000 square-feet therefore T&M anticipates the need to prepare and submit a certification application for Soil Erosion and Sediment Control to the Freehold Soil Conservation District on behalf of the LBSA. Application fees will be the responsibility of the LBSA and have not been included in our fee estimate.

NJDEP Landuse and FHA Applications – T&M has not included the preparation of NJDEP Landuse or FHA Permits. Based on the environmental due-diligence and final scope of improvements associated with Emergency Effluent Pump Upgrades and Permanent By-pass Chamber connection a separate proposal for this scope of work will be provided.

Local Road Opening Permits – The contractor will be responsible for submitting all road opening permit applications.

TASK 5 – BID PHASE SERVICES

T&M will coordinate with the LBSA as needed during the bidding process. Final bid documents and cost estimate will be forwarded for their use. A copy of the Notice to Bidders will also be forwarded for publication of the advertisement in the local paper by the LBSA once authorization to advertise has been received from the NJDEP. T&M will attend one pre-bid meeting.

During the bid period, T&M will address bidder inquiries received by the LBSA and our office will advise if an addendum is necessary. In the event an addendum is needed, this proposal includes the preparation of up to two (2) addendums to be drafted and submitted to the NJDEP for approval prior to distribution to prospective bidders.

Once bids have been opened, T&M will review prepare a bid summary of all bid proposals received and conduct a review of the low bid package forwarded to us by the LBSA for completeness, and compliance with bid requirements and statutes. A letter outlining our recommendation of award or rejection of the bids will be prepared and submitted to the Township Purchasing Department, along with a copy of the bid summary prepared.

Once the award of the contract is approved by the NJDEP, the LBSA will coordinate execution of the contract documents as needed with all applicable parties.

TASK 6 - CONSTRUCTION PHASE SERVICES

Upon award of the contract, our office will coordinate and attend a preconstruction meeting along with representatives from the LBSA, selected contractor, NJDEP, OEO and other stakeholders as needed. Meeting minutes will be taken and distributed. The Notice to Proceed will be issued after the preconstruction meeting is held and contracts have been fully executed.

Other Construction Administration services to be performed for this contract include the following:

- Providing general communication with the LBSA, and contractor throughout the duration of the construction regarding issues such as ongoing progress, submittal status, and any construction issues and their resolution as needed.

- Providing communication and correspondence with the NJDEP and OEO as needed.
- Maintaining project files as needed for periodic inspection by the NJDEP.
- Reviewing and approving progress schedules, schedule of submittals and schedule of values, as well as shop drawings and other submittals including laboratory, shop and mill test reports as outlined in the contract documents. Reviewing and preparing payment applications (up to nine interim pay applications)
- Responding to inquiries and Requests for Information
- Reviewing and processing Change Order Proposals as necessary (up to three change orders)
- Final deficiency inspection of the work completed and contract closeout once all work is completed.
- Holding monthly progress meetings with the Authority and contractor throughout the duration of construction.
- Perform Part-Time Construction Oversight
    - Creating field inspection reports of work observed.
    - Up to 850 hours of inspection are included in this cost proposal over an estimated 35 weeks of construction (24 hours per week). Should additional inspection services be required, T&M will submit a request for additional budget for those costs.
- Perform pump station field testing upon completion of construction activities.
- Coordinate vendor training with LBSA personnel as needed.
- Completion of a final deficiency inspection of the work completed and preparation of a punchlist of remaining work items.
- Preparation and submission of contract closeout documentation to the LBSA and NJDEP once all work is completed.
- Preparation of digital as-built drawings at the completion of the work based on redlined drawings received from the contractor.
- Coordinate and attend an inspection with the NJDEP and LBSA representatives one (1) year after completion and acceptance of the work.

The contractor will be responsible for preparing as-built record drawings of the proposed improvements, providing O&M Manuals and training for LBSA staff.

RESPONSIBILITIES OF THE CLIENT AND EXCLUSIONS/ASSUMPTIONS

Responsibilities of the client include but are not limited to:

- Information To Be Provided by the Client, or others:
- Required application and permit fees.
- Recent title search and deeds of the development parcel.
- Relevant record documents in the Client's possession.
- The Client will provide all environmental assessment information in its possession, custody, or control that may relate to the Site, including survey maps or sketches illustrating the limits and legal boundaries of the Site and copies of any previous environmental assessments and investigation reports.
- The Client/User will provide all available recorded land title records and judicial records for environmental liens or activity and use limitations that may be in force at the Site.
- The Client will be fully responsible for obtaining the necessary authorization to allow T&M, its agents, subcontractors, and representatives to have access to the Site.

The following tasks will not be performed as part of the proposed scope of work:

- Services not specifically listed in the Scope of Services are not included.
- NJDEP Flood Hazard Area related permitting.
- If the project requires a Freshwater Wetland LOI Verification, General Permit, Transition Area Waiver to Flood Hazard Area Permit, a separate proposal will be required.
- This proposal does not include a threatened and endangered species study or cultural resource investigation.
- Design of earth retaining structure "wall" with greater than 4 feet of earth retainage.
- Planning services, structural engineering, MEP engineering, and environmental investigations/remediation, LSRP services.
- Providing excavation equipment or operators.
- LSRP Services
- Hazardous Materials testing, inspections and reporting are not part of this proposal.
- Geotechnical borings and testing.
- Bid support services, beyond those listed above. Rebidding services are not included.

FEE PROPOSAL

T&M is ready to provide the above scope of services to LBSA for the 2025 WWTP and Collection System Capital Improvements. Billing will be on an hourly not-to-exceed basis for a total fee of **$694,000.00**, to be billed on a Monthly basis.

TASK	COST
TASK 1: SITE INVESTIGATION AND DUE-DILIGENCE	$130,000.00
TASK 2: IBANK CWSRF	$17,000.00
TASK 3: PRELIMINARY AND FINAL DESIGN	$214,000.00
TASK 4: PERMITTING PHASE	$25,000.00
TASK 5: BID PHASE SERVICES	$20,000.00
TASK 6: CONSTRUCTION PHASE SERVICES	$288,000.00
TOTAL	**$694,000.00**

If you have any questions or concerns with this proposal or the scope of services, please feel free to contact me at any time.

Sincerely,
T&M ASSOCIATES

Michael L. Willis, PE, CME
Vice President, Water Market Leader
MWillis@TandMassociates.com
Cell: 732-330-6901

Attachments:

1. *Planning Level Construction Cost Estimate*
2. *Planning Level Anticipated Project Schedule*
3. *Proposed Team Resumes*
4. *Example Relevant Project Experience*

ATTACHMENT 1 - PLANNING LEVEL COST ESTIMATE

No.	Description of Work	UNIT	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
1	Mobilization	LS	1	$120,000	$120,000
2	Exploratory Excavations	UNIT	15	$1,500	$22,500
3	Soil Erosion and Sediment Control	LS	1	$25,000	$25,000
4	Dewatering	LS	1	$100,000	$100,000
5	Electrical and Instrumentation Improvements, VFD & Conduit	LS	1	$250,000	$250,000
6	Emergency Effluent Pump Station Replacement & Appurtenances	LS	2	$250,000	$500,000
7	Digester Cover Replacement	EA	4	$500,000	$2,000,000
8	Digester Valving, Equipment and Appurtenances	LS	1	$125,000	$125,000
9	Precast Concrete Bypass Chamber and Appurtenances	LS	1	$150,000	$150,000
10	Gravity Sewer Replacement	LF	4500	$350	$1,575,000
11	Precast Manhole Replacement	EA	25	$10,000	$250,000
12	Sanitary Sewer Lateral Replacement	EA	95	$3,500	$332,500
13	Roadway Restoration	SY	12500	$50	$625,000
14	Topsoil & Seed (I&WD)	LS	1	$75,000	$75,000
15	Restoration and Cleanup	LS	1	$50,000	$50,000
				Sub-Total Cost	**6,200,000.00**
				Contingency (30%)	**1,860,000.00**
				Total	**8,060,000.00**
				ROUNDED TOTAL	**8,060,000.00**

ATTACHMENT 2 - PLANNING LEVEL SCHEDULE

PROJECT PHASE	RECOMMENDED SCHEDULE		
	DURATION DAYS	START DATE	END DATE
Project Kick-Off	**5**	**10/6/2025**	**10/10/2025**
Task 1: Site Investigation and Due-Diligence	**54**	**10/12/2025**	**12/5/2025**
Site Inspection/Investigation	30	10/12/2025	11/10/2025
Site Field Survey and Base Mapping	30	10/12/2025	11/10/2025
Due-Diligence Reports	21	11/10/2025	11/30/2025
Investigation Presentation	5	12/1/2025	12/5/2025
Task 2: CWSRF	**265**	**11/1/2025**	**7/24/2026**
Loan Process Initiation	14	11/1/2025	11/14/2025
Environmental Planning Document Submission	21	2/15/2026	3/7/2026
Submit Plans and Specifications	21	4/24/2026	5/14/2026
Authorization to Advertise	120	3/27/2026	7/24/2026
Task 3: Preliminary and Final Design	**174**	**11/1/2025**	**4/24/2026**
Preliminary Plans and Specifications	60	11/1/2025	12/30/2025
Submission and Review with LBSA	21	1/5/2026	1/25/2026
Final Plans and Specifications	90	1/25/2026	4/24/2026
Task 4: Permitting Services	**147**	**1/25/2026**	**6/21/2026**
NJDEP TWA Permit Preparaton	30	1/25/2026	2/23/2026
NJDEP TWA Review Time	120	2/23/2026	6/22/2026
Freehold Soil Erosion Certification	30	4/24/2026	5/23/2026
Freehold Soil Erosion Certification Approval	30	5/23/2026	6/21/2026
Task 5: Bid Phase Services	**46**	**8/10/2026**	**9/25/2026**
Bid Advertisement	5	8/10/2026	8/15/2026
Pre-Bid Meeting	12	8/17/2026	8/28/2026
Bid Addendum/Clarifications	12	8/28/2026	9/8/2026
Bid Opening	5	9/21/2026	9/25/2026
Task 6: Construction Phase	**423**	**10/12/2026**	**12/9/2027**
Preconstruction Meeting	5	10/12/2026	10/16/2026
Submittal Review	30	10/19/2026	11/17/2026
Material Lead Time	180	11/17/2026	5/15/2027
Collection System Improvements	90	11/17/2026	2/14/2027
Digester Cover Replacement and Appurtenances	180	5/15/2027	11/10/2027
Emergency Effluent Pump Replacement and Bypass Chamber	90	5/15/2027	8/12/2027
Restoration, Punchlist and Closeout	30	11/10/2027	12/9/2027
Project Closeout Phase	**30**	**12/9/2027**	**1/8/2028**

ATTACHMENT 3 – PROPOSED TEAM RESUMES

Michael**WILLIS**, PE, CME

Market Leader, Water

Education

Rowan University, MS, Civil and Environmental Engineering, 2005

Rowan University, BS, Civil and Environmental Engineering, 2003

Professional Registrations/ Affiliations

Licensed Professional Engineer in New Jersey, New York and Delaware

Certified Municipal Engineer, New Jersey

Six Sigma White Belt

American Water Works Association

New Jersey Water Environmental Association

Years in the Industry

20

Areas of Expertise

Utility Master Planning, Capital Improvement Planning, Project Management, WQAA Compliance, Water Main Replacement, Sanitary Sewer Rehabilitation, Pump Station Rehabilitation, High Service Pump Optimization, Source Water Change Analysis, Water Treatment Improvements, Water Treatment Pilot Programs, Construction Administration, Water Storage Tank Rehabilitation

Summary of Qualifications

Michael brings 20 years of experience to T&M's Water Practice. Michael has provided project management, capital planning for small and medium sized utilities, master planning, water treatment assessments, staff management, design services and permitting for the Water Resource Market. Michael's responsibilities have included management of the Engineering Department for a major water utility in New Jersey including management of the engineering staff, technical guidance to the various business units, design, permitting and construction administration for over $125 million in capital improvements. In addition, Michael has provided Business Development roles and Department Management roles within consulting firms, which included the preparation of technical proposals, client coordination, staff scheduling, forecasting and workforce management.

Key Projects

Woodstream Wastewater Treatment Plant Headworks Replacement, Evesham Municipal Utilities Authority, Evesham, NJ. Project Manager for the installation of precast concrete channels and two (2) Hydro-Dyne Great White Center Flow Screens, back-up manual bar screen, Hydro-International Headcell and two (2) Hydro Grit Cleanse Units and building to house the cleansing units and electrical improvements. Responsible for the design and review of engineering plans, specifications and design report. Also provided QA/QC for all client and agency deliverables and provide coordination between all stakeholders.

Westside Sanitary Pumping Station Rehabilitation/Repair, Edison, NJ. Project Manager for the design of upgrades at a 7.5 MGD pump station. Upgrades include the replacement of the existing pumps, mechanical, piping and valving, controls, new generator, interior and exterior lighting, HVAC, structural improvements to the walkway within the wetwell, concrete wall coatings, MCC, comminutors and by-pass connections. Responsible for the design and review of engineering plans, specifications and design report. Also provided QA/QC for all client and agency deliverables and provide coordination between all stakeholders.

Iron and Manganese Removal Treatment Plant, Town of Boonton, NJ. Project Manager for the preparation of the design plans and permit preparation for a 1,600 GPM iron/manganese removal facility. The Town operates four (4) groundwater supply wells and an antiquated diatomaceous earth filters which were designed to be replaced with Greensand Plus and vertical pressure filter vessels. Project included well pump re-sizing to overcome the additional head conditions, the design of a backwash holding tank with sludge and decant pumps, chemical feed improvements including pre-filter oxidation, post-filter disinfection and corrosion control. Project included the completion of pilot column testing to confirm the effectiveness of iron/manganese removal at loading rates of up to 8 GPM/SF. The plant design had to utilize the existing footprint of the facility due to proximity to the Rockaway River and associated flood plain.

Iron and Manganese Removal Treatment Plant, Veolia Water, Township of Toms River, NJ. Project Manager/Engineering Manager started with the preparation of project justification which included the review of operation and maintenance costs, life-cycle review of critical equipment and completion of a feasibility study to determine the

potential design and budgets. Then continued in as a technical QA/QC Project Manager through the design and permitting process for preparation of improvements to a 1,900-GPM iron/manganese removal facility. The existing facility utilized an automatic backwash with traveling bridge for iron/manganese removal from the Piney Point Aquifer. The existing design did not provide for backwash reuse and resulted in significant operational costs due to the discharge. The design incorporated the use of Greensand Plus and horizontal pressure filters and the installation of a backwash tank with gravity sludge discharge and decant pumps. The project also included the completion of pilot column testing to confirm the effectiveness of iron/manganese removal at loading rates greater than 3 GPM/SF. The raw water provided difficulty with the oxidation of complex organic iron which required review and improvements to the pre-filtration process. Project included high service pump upgrades, chemical feed improvements, electrical replacement, structural improvements and instrumentation and controls.

Sanitary Sewer Pumping Station Upgrades Project, Township of Edison, NJ. Project Manager for the preparation of the engineering design plans, reports, specifications and permits for five (5) sanitary sewer pumping stations ranging in size from 0.48, 0.5, 1.44, 4.95, and 7.50 MGD. These improvements included completed reconstruction and replacement of the existing structures; drywell, wetwell, controls and electrical to the upgrade of pumping, controls, by-pass and electrical for the larger facilities. The designs included the installation of dri-prime back-up pumping systems, bypassing improvements, valve chambers and elevating structures to protect from flooding events.

Wastewater Treatment Plant Demolition and Pump Station Conversion, Division of Human Services, Borough of Woodbine, NJ. Project Manager for the preparation of the engineering design plans, specifications, reports and permits for the demolition of a 160,000-gallon-per-day wastewater treatment facility with a traditional treatment process, storage lagoons and spray irrigation discharge. The Division of Human Services operates the Woodbine Developmental Center in the Borough of Woodbine. The intention of the project is to demolish the existing facility and install a pumping station that will convey wastewater to the future Woodbine sewer system that will connect to future Cape May Municipal Utilities Authority leachate drain line.

Sanitary Sewer System Rehabilitation, Eatontown Sewerage Authority, Eatontown, NJ. Project Manager for the preparation of the engineering design plans, and specifications for the rehabilitation of 1,400 linear feet of sanitary sewer lines. Work included the review of CCTV inspection video and preparation of recommendations for the completing of sanitary rehabilitation.

Sanitary Sewer Pumping Station Upgrades, Township of Holmdel, NJ. Project Manager for the preparation of the engineering design plans, reports, specifications and permits for sanitary sewer pumping station improvements including the reconfiguration of the pumping station, wetwell rehabilitation, upgrade of pumping, controls, by-pass and electrical.

Pressure Vessel Improvements and Sand Media Replacement, Borough of Keansburg, NJ. Project Manager for the preparation of the engineering design plans, and specifications for the replacement of sand filter media, support gravel and reconstruction of pressure filter underdrains and influent header in four (4) horizontal pressure vessels.

Iron Sludge Pressure Replacement, Borough of Keansburg, NJ. Project Manager for the preparation of the engineering design plans, and specifications for the replacement of an existing iron sludge press with a custom unit designed to accommodate the existing building constraints. Additional improvements include replacement of electrical and controls, building roof and ceiling and polymer feed pump and sludge feed pump replacement.

Arsenic Removal Treatment Plant, Aqua Pa, Township of Canaan, PA. Project Manager for the preparation of the engineering design plans, reports, specifications and permits for the completion of an arsenic removal treatment facility in the Town of Canaan, Pa. The project was for the treatment of a new water source in Aqua Pa's Waymart Division and included the re-purposing of an existing Evoqua Water Softening vessels with AdEdge Bayoxide E33 media for the removal of arsenic. The project included the preparation of site piping improvements, chlorine contact piping, EPA authorized injection well for backwash discharge, chemical feed improvements and backwash supply storage and pumping.

Michael**KUZNETZ**, PhD, PE, CIH, CSP, DEE

Senior Technical Leader

Education

University of Missouri, Columbia/UMKC, PhD, Civil Engineering, 2000

University of Missouri, Columbia, MS, Civil Engineering, 1997

Baku State University in Azerbaijan, PhD Chemistry, 1994

Baku State University in Azerbaijan, BS/MS Process Engineering, 1986

Professional Registrations/ Affiliations

Licensed Professional Engineer (PE) in AZ, KS, IL, MI, MO, NY, PA, TX, WA

Certified Industrial Hygienist (CIH)

Certified Safety Professional (CSP)

Diplomate Environmental Engineer (DEE)

Certified Drilling Mud Engineer (Schlumberger Academy)

Years in the Industry

35

Areas of Expertise

Water/Wastewater Treatment, Process Engineering, Process Safety Management, Occupational Heath

Summary of Qualifications

Michael Kuznetz is a Senior Technical Leader in T&M's Water Group in the Philadelphia office. He is highly recognized in the industry and brings over 35 years of engineering experience designing and managing multimillion-dollar water and wastewater treatment projects of public utilities in New Jersey, New York, Pennsylvania, Texas, Missouri, and Kansas. Michael's professional background includes experience assembling and leading teams of engineers performing physical, chemical, and biological process design, modeling, feasibility studies for water and wastewater treatment facilities, and environmental health and safety risk management, and process piloting, and troubleshooting.

He previously served as a Chief Engineer at his former company, supervising the preparation of design reports, construction documents, feasibility studies, and technical proposals, while also managing several water and wastewater treatment programs including PFAS and PFOS. Additionally, over his career, he successfully built multidisciplinary engineering groups responsible for performing physical, chemical and biological process design, construction management, commissioning and decommissioning of municipal and industrial water and wastewater treatment facilities.

Key Projects

2.5-MGD WWTP Modification, Bernards Township, NJ. Lead Process Engineer for the design of a 3 gpm 5% PAA (peracetic acid) disinfection pilot plant since the client wanted to change the existing bleach disinfection to a PAA based disinfection. Upon successful PAA pilot completion, replaced the existing disinfection system with a full-scale PAA-based system.

5-MGD WWTP Aeration System Upgrade, Landsdale Borough, PA. Lead Process Engineer provided supervision of the design modifications to the entire aerations system consisting of grit, nitrification, aerobic digester air ducts, piping, motorized valves, blowers, oxygen, ORP, ammonium probes, programming and instrumentation, and controls.

WWTP Expansion From 15 MGD to 22 MGD Springettsbury Township, PA. Lead Engineer performed a preliminary design and estimated construction costs for three expansion alternatives entailing conventional AS, SBRs, and anaerobic MBRs to retrofit the existing AnoxKaldnes® IFAS process. The design consisted of treatment, storage and conveyance units including blowers and pump stations.

SBR Capacity Expansion, East Berlin Borough, PA. Lead Process Engineer performed BioWin modeling of the SBRs and proposed modifications based on the Aqua-Aerobic air diffuser system.

Campbell Soup - Pepperidge Farm Potato Chip Factory, Denver, PA. Lead Process Engineer designed a GEM process that entailed EQ, screening, pump station, air compression and supply, NALCO polymer and carbon dioxide injection systems, sludge storage and disposal, and instrumentation and controls to reduce high (above 3,000 ppm) loads of fat, oil, grease into the sewer collection system based on the previous chemical tests and pilot installation by CTW GEM, WWW DAF, and Veolia Water.

Egide USA Gold Plating Wastewater Process Optimization, Cambridge, MD. Lead Process Engineer. The existing gold metal plating wastewater treatment process became inefficient. The treatment process is an alkali chlorination and chemical precipitation process with 2-stage neutralization typical of those designed to remove gold from electroplating wastewater. Successfully piloted and optimized the existing treatment process consisting of a series of acid, base, cyanide, and other chemicals treatment tanks and instrumentation and controls. The final design reduced the footprint, raw chemical, and increase the gold capture efficiency.

American Water WWTP Outfall 001 Effluent Disinfection, York, PA. Lead Process Engineer designed a new fully automated 30-MGD chlorination system to disinfect excess effluent flows rate resulting from storm events with a new fully automated system. The system consisted of hypochlorite storage, metering pumps, and a chemical injection system. The liquid chlorine injection rate was flow paced and could also be controlled by an online Easychem® by Systea SpA Fecal Coliform analyzer.

Harris County Municipal Utility District 82 WWTP Upgrade, TX. Lead Design Engineer for an upgrade the existing 2.45 MGD WWTP to a 5.0 MGD WWPT. Modified the headworks including a fine screen, washer/compactor, influent structure. Added a secondary clarifier, 4 aeration basins, 2 aerobic digestors, air diffusers, 2 blowers, new control panels, a chlorination basin, 2 belt filter presses, pumps, online instrumentation. Installed a chlorine and sulfur dioxide emergency leak scrubber and upgraded gas detectors.

Harris County Municipal Utility District 10 WWTP s 1 and 2 Upgrade, TX. Lead Design Engineer modified the existing influent lift station and influent structure. Installed Duperon fine screens. Redesigned disinfection systems.

Harris County Municipal Utility District 82, LS /FM2 Odor Control, TX. Lead Design Engineer designed and installed air injection system.

Harris County Municipal Utility District 1,5, 82, 189, 202 Lift Stations Upgrade, TX. Lead Design Engineer modified the existing influent lift stations. Installed new pumps, a force main, additional air relief and pressure surge valves and control panels.

UV System Design, Municipal Utility District 144. Timberlane Utility District WWTP. Houston, TX. Design Lead/PM evaluated the existing hypochlorite disinfection system performance. Designed and installed a new effluent disinfection system consisting of 12-16 UV banks, 4 chambers, 4 channels, sensors, valves and control panel for a 3 MGD WWTP. Supervised the preparation of construction documents including plans, specifications, cost estimate, bid and construction documentation.

JW Operating, Pittsburgh, PA. Technical Proposal Manager assessed the feasibility of the Glauber's salt production as part of a flowback water treatment train using acid mine drainage water and Freeze Crystallization in lieu of Thermal Crystallization of flowback water.

Coca Cola Ontario WWTP Process Modification, Ontario, CA. Process Engineer calculated existing Anaerobic Sand Filter wastewater treatment process parameters including reactor hydraulics based on 3 years of plant operating data to determine an Anaerobic MBBR process applicability. Defined media, its effective area, volume, mixing conditions, mixing equipment and biogas flare size.

WWTP Loading Analysis, Municipal Utility Districts 82, 105, 189, 221, 238 WWTPs. Houston, TX. Process Engineer determined hydraulic, biological and solids effluent loading, WWTP performance and remaining capacity. Evaluated chlorine, sulfur dioxide and oxygen rates. Redesigned disinfection and aeration systems for two of the listed WWTPs. Supervised the preparation of construction documents including plans, specifications, cost estimate, bid and construction documentation.

Clinton Park WWTP Improvements, Houston, TX, City of Houston, TX. Project Manager managed upgrades to the existing WWTP which included installation of a new motor control building with new electrical control panels, replacement of lift station with pumps, valves, pipes, electrical, clarifiers scum system, RAS air lift piping and valves, polymer system, sodium hypochlorite feed system, and design of chlorine contact basin skimmer, effluent weir.

Mark**ANDRAS**, PE

Technical Leader

Education

New Jersey Institute of Technology, BS Civil Engineering, 1996

Professional Registrations/ Affiliations

Licensed Professional Engineer in New Jersey

OSHA Confined Space

NHI Bridge Inspection

NJ Transit Safety Training

Years in the Industry

27

Areas of Expertise

Structural/Integrity of Structures, Construction Inspection, Structural & Environmental Engineering

Summary of Qualifications

Mr. Andras has a broad-based background in the design and construction of various water and wastewater projects that include infrastructure improvements, treatment facility upgrades, and the rehabilitation and designing of sewage pump stations. He has performed corrosion studies, field investigations and evaluations, storm hardening and construction administration services for municipalities, sewerage authority and private clients.

Since joining the firm in 1997, Mark has worked closely with many of the departments within the organization providing structural design and field studies in various capacities. His project responsibilities have also included:

- Structural design for bridges, culverts and dams
- Construction administration and inspection
- Capital project management
- Confined Space inspection and design
- Construction management
- Client interaction

Key Projects

New Pump Stations, Major Northeast Investor Owned Utility Company, NY. Supervising Engineer responsible to perform structural design and prepare details for new storm water pumping stations foundations at various electrical substations. Detailed designs were prepared for 4 substations including perimeter walls designed to withstand FEMA 100 year flood elevation plus 3 feet flood loading.

Flood Proofing of Pump Stations, Township of Union, Union, NJ. Supervising Engineer responsible to prepare design plans and specifications for the flood proofing of various pump stations and the design of elevated platforms for raising vital electrical equipment and back-up generator above flood elevations.

Crystal Brook Pumping Station, Jackson Township Municipal Utilities Authority, Jackson, NJ. Project Engineer responsible to prepare the design plans and specifications for full replacement of the existing pump station. Provided construction administration assistance to the Authority during the construction of the new station.

Landfill Leachate Pump Station Flood Hardening, City of Linden, Linden, NJ. Supervising Engineer responsible for preparing design plans and specification for designing new elevated platform to raise the new pump controls and emergency backup generator damaged by superstorm Sandy and pump replacement. Provided construction administration and oversight of the new platform and pump station upgrades.

Replacement of the Digester Facility, Bristol Wastewater Treatment Plant, Bristol, PA. Supervising Engineer responsible to prepare design plans and specifications for replacement of the digester covers to the primary and secondary digester tanks and replacement of digester piping system. The design included a new state of the art enclosed bio-gas flare.

Wastewater Treatment Facilities. Supervised and provided technical support to resident project representatives and field inspectors for multiple ongoing construction projects including PVSC, LRSA, Rockaway Valley Regional Sewerage Authority, Borough of Matawan and Western Monmouth Utilities Authority (WMUA).

South Monmouth Regional Sewerage Authority. Prepared cost analysis report outlining various rehabilitation options to the Pitney Avenue Pumping Station.

Passaic Valley Sewerage Commission (PVSC). Resident Engineer for provision of full-time construction administration for a various construction projects to the upgrade and improvements to the headworks facility at a 330 MGD sewerage treatment plant. Construction phasing includes installation of six new 12-foot x 50-foot mechanical bar screens, modified an existing grit removal system with grit pumps and grit classifiers and construction of new parabolic channel walls in the forebay.

Jersey City Municipal Utilities Authority, Jersey City, NJ.

- Supervising Engineer responsible to perform structural evaluation of the existing settling tanks at the abandon East Side Wastewater Treatment Facility for development into a combined sewer overflow management facility (CSO). Provided assistance with concept design for new pump stations with diversion chamber.
- Engineer responsible to prepare design plans and specifications for full replacement and implement flood hardening measures of pump station PS-1 and PS-2 and flood hardening measures including the design of new elevated platforms for raising emergency backup generator and electrical enclosure for pump station PS-3B

Western Monmouth Utilities Authority, Manalapan, NJ.

- Performed structural inspection and prepare design plans and specification for rehabilitating and reinforcing the secondary digester cover. Provide construction administration and inspection of the new digester cover improvements.
- Prepared design plans and specifications for structural up grades and replacing the mixing system on the floating gas storage cover for the primary digester. Conducted inspection of the structural improvements and installation of new mixing system.
- Raw Sewage Pump Station: Evaluated the capacity and operations of existing raw sewage pumps for meeting NJDEP regulations. Prepare engineers report for the design of the new replacement pumps.
- Digester Facility: Investigation of vivianite buildup inside digester sludge piping system and prepare recommendation for cleaning and removal to improve sludge flow through the digester system.
- Prepared design plans and specifications for new reinforced concrete vehicle wash pad.
- Sanitary sewer review and construction administration oversight for various developments. Work included review of developer's design, verifying design adherence to NJDEP and WMUA regulations, and administration of construction activities. Provided day-to-day technical support to WMUA staff.
- Nitrification Tank No. 2 and Clarifier No. 3 Improvement - Provided construction administration and reviewed contract submissions to meet contract requirements.
- Prepared design plans and specifications for replacement of the trickling filter media replacement.
- Construction administration and review of contractor submissions to ensure adherence to contract requirements for potable water system.
- UV Disinfection: Prepared design plans and specifications for installing a new UV disinfection system on the non-potable water service system that provides flow to various building and ground uses.

JFK Airport Vertical Circulation Bathroom Renovations, Queens, NY, PANYNJ. PM for the preparation of contract documents for Stage III design and Stage IV construction administration services. Renovations involved converting CB office space into the VCB restrooms with modifications for structural supports of new partition walls, counter tops and ceiling elements with special considerations to avoid conflicts with congested ceiling space from the various overhead utilities hung above. Design details included connection

Paola**ESPINOZA-YOUN**, PE

Principal Engineer

Education

The Ohio State University, BS, Environmental Engineering, 2014

The Ohio State University, MS, Civil Engineering: Water Resource and Environmental Program, 2022

Professional Registrations/ Affiliations

Licensed Professional Engineer, Ohio

Pipeline Assessment Certification Program, Manhole Assessment Certification Program, & Lateral Assessment Certification (NASSC)

Years in the Industry

10

Areas of Expertise

Water Resources, Drainage, Hydraulic Evaluations + Analysis, Civil Engineering, Sewer Design, Pumping Design

Language Fluency

Spanish, English

Summary of Qualifications

Paola is a Principal Engineer in our Water Practice. She has 10 years of industry experience with drainage, hydrographs graphs and permitting of wastewater/wastewater disposal, sewage and drainage projects within the Columbus area. Additionally, she has wastewater/water treatment plant experience within the New Jersey area. She has performed data analysis, flow calculations, hydraulic evaluations and performed cost analysis for pump stations and other infrastructure improvements. In addition, her experience includes pilot testing of wastewater treatment plant, wastewater/water treatment design, sewer design, pumping design, water quality sampling, hydrology, sewer rehabilitation projects, and standard operating procedures, and PTI's. She has also assisted in different tasks of multiple stormwater management projects within the Columbus area. Recently, she has/will starting managing projects and/or tasks to keep them moving toward the finish line.

Paola is proficient with AutoCAD Basics, AutoCAD Civil 3D, HydraFlow Storm Sewers Extension for AutoCAD Civil 3D, HydraFlow Hydrographs Extension for AutoCAD Civil 3D, HydraFlow Express Extension for AutoCAD Civil 3D, FlowMaster, SewerGEMS, and is PACP, LACP, MACP Certified.

Key Projects

SWWTP Main Drain Pump Station, City of Columbus Department of Public Utilities Division of Sewage and Drainage, Columbus, OH. Staff Designer responsible for assisting with the main drain gravity sewer reconfiguration design and performing statistical and correlation analysis of flow data provided by the City to estimate the design flows. The design flows will be used to size the pump station alternative and diversion structure for the gravity sewer reconfiguration alternative. Developed a comprehensive Technical Memorandum summarizing the existing issue, existing information, alternative analysis, and recommendations to address the main drain system surcharge issue at the SWWTP.

Woodstream Wastewater Treatment Plant Headworks Replacement, Evesham Municipal Utilities Authority, Evesham, NJ. Principal Engineer for the installation of precast concrete channels and two (2) Hydro-Dyne Great White Center Flow Screens, back-up manual bar screen, Hydro-International Headcell and two (2) Hydro Grit Cleanse Units and building to house the cleansing units and electrical improvements. Responsible for design of the open channel where the screens will be placed, grit pumps, above ground and underground sanitary and water piping associated with the grit cleanser and grit pumps. In addition, responsible for collaboration with Sherwood Logan to assure the Hydro-International Headcell and Hydro Grit Clense Units are designed with all the required piping, clearance, support, adequate building space, accurate channel sizes at the screens, miscellaneous equipment, etc. Also provided collaboration with the structural team to assure the concrete structures have enough clearance related to equipment for their reinforcement and details needed below and above grade. Lastly, provided overall civil design, which includes creating drawings, cost estimates, permit forms and specifications for the project.

Oxmead Water Treatment Plant Improvements, Township of Burlington, Burlington, NJ. Principal Engineer in the process of designing the installation of Green Sand Plus Vessels for removal of iron and manganese in the raw water entering the plant and

all its associated chemical storage tanks, pumps, piping, injection quills and appurtenances. In addition, preliminary design of Ion Exchange Vessels and UV bank for removal or PFAS and 1,4 – Dioxane. Responsible for design of chemical storage tanks, chemical pumps, process piping, etc. Additionally, hydraulic evaluation of the 4 existing well pumps to determine if the pumps need upgrading. Responsible for well pump upgrades, on a as needed basis. In addition, responsible for collaboration with all chemical process equipment to ensure the chemical process system is designed with all the required piping, clearance, support, adequate building space, accurate tank and pump sizes, miscellaneous equipment, etc. Lastly, providing overall civil design, which will include creating drawings, cost estimates, permit forms and specifications for the project.

Craney Island OWWO Treatment Plant, Portsmouth, Virginia. Principal Engineer in the process of doing hydraulic analysis on multiple pumps to determine the upgrade needs of each pumps station and associated piping and valves. Additionally, will be assisting with drawings, calcs, cost estimate, specifications, and other tasks associated with the design.

Headworks Building Initial Concept Design, Mountaintop Area Joint Sanitary Authority, PA. Principal Engineer assisted with a preliminary design of a grit removal system consisting of two (2) grit vortex separators (tanks) paired with one (1) grit washer/classifier. The entire system will be installed within a proposed building, adjacent to two existing buildings on each side, to protect the equipment from weather hazards. Currently, in the process of assisting with the proposal to be able to take the concept plan to full design. I will be assisting with the process equipment, process piping and hydraulic calcs of the equipment, piping and grit pumps associated with the equipment.

Bayside State Prison Wastewater Treatment Plant Tank Replacement, Maurice River Township, NJ. Principal Engineer in the process of designing installation of two 12K and 13K sludge tank replacement. Responsible of specifications and drawing updates and collaboration with the tank manufacturers and the client.

Chemically Enhanced High Rate Treatment (CEHRT) Pilot Testing Project, Northeast Ohio Regional Sewer District, Cleveland, OH. Field Engineer assisted with the evaluation of CEHRT at the Westerly and Easterly Wastewater Treatment Plants. Provided operational assistance in the field including equipment start-up and monitoring, pH probe calibration, jar testing, sample collection/preparation/handling and post event shutdown and clean up.

Basis of Design Jackson Pike Wastewater Treatment Plant, City of Columbus Division of Sewage and Drainage, Columbus, OH. Engineer 1 tasked with performing an existing system review and field investigation to update the Basis of Design for the Jackson Pike and Southerly WWTPs. Provided up-to-date, readily accessible design information for the processes at both facilities, including updated process equipment details, process design rates, target values and performance ranges. Obtained design information from General Engineering Reports, O&M documents, SOPs, process calculations and plant site visits. Collaborated with the client to review historical documents and resolve data conflicts in creating a final deliverable organized by process area for each plant.

Southwesterly Composting Facilities Standard Operating Procedures (SOP), City of Columbus Division of Sewage and Drainage, Columbus, OH. Engineer 1 responsible to prepare SOPs for all the processes and systems at the wastewater biosolids composting facility. Collaborated with the Compost Facility Manager to create a document with updated technical text and procedural instructions, utilizing photographs, updated figures, and references to standard Compost Facility forms and regulatory documents.

Ferris Road Sanitary Sewer Improvement Project, Franklin County Sanitary Engineering, Columbus, OH. Project Manager responsible for sanitary sewer and grinder pumps design to provide public sewer service to previously unsewered area in Franklin County. Developed a Concept Engineering Report summarizing sewer alignment alternatives, construction methodology, and hydraulic evaluation. In addition, developed a Preliminary Design Report to recommend best alternative and detailing constructability such as use of boring to preserve stream crossings and heavily vegetated areas at the connection point. Project is still ongoing.

Storm Sewer Large Diameter Condition Assessment (LCDA) Phase 1, City of Columbus Department of Public Utilities Division of Sewage and Drainage, Columbus, OH. Staff Designer tasked with assistance of the preliminary design report for approximately 100,200 LF of storm sewer of quality storm sewer data describing the condition of the sewers ranging from 36" to 12" in diameter. Responsible for creating all the MSIUS and PAR for the entire project.

Joseph**WAGNER**

Staff Designer 2

Education

The College of New Jersey, BS, Civil Engineering, 2022

Professional Registrations/ Affiliations

American Society of Civil Engineers, Member

Years in the Industry

3

Areas of Expertise

Civil Engineering, Cost Estimation, AutoCAD Civil 3D, Development of Plans and Specifications, Visual Inspection of Stormwater Piping, ADA and Pedestrian Access Routes

Summary of Qualifications

Mr. Wagner has three years of experience working on a variety of municipal, water, roadway and recreational projects which has contributed to his knowledge of engineering design, review, and construction. Additionally, he works closely with appointed Municipal Engineers performing engineering reviews for Planning/Zoning Board application submittals, including site plans, architectural drawings, stormwater management reports, Traffic Impact Statements, planning and zoning application forms, and subdivision maps. He graduated from the College of New Jersey with a bachelor's degree in civil engineering and is proficient with AutoCAD Civil 3D, MicroStation, HEC-RAS, and HEC-HMS.

Key Projects

Beaver & Wood Avenue Pump Station Replacement, Township of Edison, NJ. Staff designer responsible for the preparation of bid documents involving the construction of two new sewage pump stations. Developed two (2) full set of plans, including existing conditions, demolition, proposed improvements, construction details, and civil & mechanical design involving a new gravity sewer system, discharge force main, wet well and valve chamber, emergency bypass system, precast concrete control building, and appurtenances such as pumps and access hatches. Produced construction specifications, a construction cost estimate, and Generated a Treatments Works Approval (TWA) permit for each, including an engineer's report in accordance with NJDEP guidelines.

East Holly Park Pump Station #10 Improvements, Berkeley Township Sewerage Authority, Township of Berkeley, NJ. Staff designer responsible for the preparation of bid documents involving the construction of a new sewage pump station. Developed a full set of plans, including existing conditions, demolition, proposed improvements, and civil & mechanical design—new discharge piping, submersible pumps, fittings, and valves, a roof slab for existing precast concrete structure, and connections into the existing force main. Generated a Treatments Works Approval (TWA) permit and an engineer's report in accordance with NJDEP guidelines. Also produced construction specifications and a construction cost estimate.

Backup Well No. 5 Installation, Borough of Matawan, NJ. Staff Designer responsible for the preparation of bid documents (plans, specifications, and construction cost estimates) for the design of Well No. 5, which involved design of the existing site and discharge pipe layout, both well sections, the structures enclosing the well piping, and appropriate construction details. Completed all linework including details and schematics for pipe layout, foundation layout, and edits to existing drawings in AutoCAD Civil 3D. Generated a Permit to Construct Public Water Works in accordance with NJDEP guidelines.

Raritan Underground Sanitary Sewer Upgrades, Johnson & Johnson, Raritan, NJ Staff Designer responsible for QA/QC of sanitary sewer videos received by a cleaning contractor and quantified all pipe repairs to be made in a condition assessment report. Prepared and designed 30% Sanitary Sewer Engineering Drawings, including bypass system plans and profiles.

Pulis Avenue Manhole No. 50 Replacement, Northwest Bergen County Utilities Authority, Franklin Lakes, NJ. Staff Designer responsible for the design and preparation of a construction plans for a new sanitary manhole and corresponding bypass piping system for the Borough. The design included references to the material, size, length, and slope associated with the existing gravity system, fittings and valves related to the existing bypass system, and applicable construction details.

Elevated Water Storage Tank Rehabilitation, Evesham Municipal Utilities Authority, Marlton, NJ. Staff Designer for bidding services and Drinking Water State Revolving Fund Program assistance for the Rocco J. Maiellano 2 MG Tower Rehabilitation Project. Developed construction cost estimate and construction specifications, assisted with project correspondence and revisions to tower drawings.

Valley View Reservoir Improvements, Ridgewood Water, Village of Ridgewood, NJ. Staff Designer/inspector responsible for the visual inspection of a 1.25 Million Gallon Prestressed Concrete Ground Storage Tank. Purpose of Inspection was to identify deficiencies to the tank structure exterior and components, vaults and piping, site area, and security features. Developed a technical memorandum highlighting information obtained and recommendations for follow up work, and prepared a plan set, construction cost estimate, and technical specifications based on these recommendations.

McGinnis Water Main Replacement, Township of Edison, NJ. Staff Designer responsible for the preparation of a plan set and construction cost estimate involving a water main replacement. The plans included references to the material, size, length, depth, fittings, and valves associated with the water main, as well as the locations of all hydrants in relation to the main. Details and existing survey information were used to calculate depths for the main at utility crossings. The set included a cover sheet, legend, construction plans, construction details, and soil erosion and sediment control details.

Duck Pond Run Interceptor, Township of West Windsor, NJ. Staff Designer responsible for contractor submittal review pre-construction and during construction involving the extension of a gravity sewer line for the Township. Additionally, prepared document package for submission to Mercer County Soil Conservation District. Participated in construction progress meetings, facilitated correspondence between the owner, contractor, and geotechnical engineer, conducted construction inspection.

Train Station Sanitary Sewer Improvements, Borough of Fanwood, NJ. Staff Designer responsible for the preparation of a Schematic design of a new sanitary sewer lateral and grinder pump manhole. The design included references to the material, size, length, and slope associated with the lateral, as well as electrical improvements and specifications involving the grinder pump, and applicable details.

8" Water Main Extension - Phase 2, Fort Monmouth Economic Revitalization Authority (FMERA), Oceanport, NJ. Staff Designer responsible for the preparation of a plan set for an extension to an existing water main for FMERA. The plans included references to the material, size, length, fittings, and valves associated with the water main, as well as the locations of all hydrants in relation to the main. The set included a cover sheet, legend, existing conditions plans, construction plans, construction details, and soil erosion and sediment control details.

South Street and Mechanic Street Sewer Inspection Review, Borough of Red Bank, NJ. Staff Designer responsible for QA&QC for sanitary sewer videos received by the borough and quantified all pipe repairs to be made using defect coding from NASSCOs PACP, including trenchless methods such as CIPP lining, injection grouting, chemical root treatment, water jetting, and traditional methods such as sectional pipe replacement.

Interceptor Manhole Survey and Inspection, Northwest Bergen County Utilities Authority, Bergen County, NJ. Staff Designer responsible for field documentation on over 150 Manholes—including images and determination of traffic control, truck accessibility, and location—which was compiled into a spreadsheet referenced for the purpose of video inspection on each manhole. Served as an interim inspector for the County during the television of the manholes, taking photos and making observations on the condition of each manhole—walls, riser sections, flow channel, pipe penetrations, cover and frame, and built-up debris—resulting from obstructions, infiltration, and H2S damage.

ATTACHMENT 4 – EXAMPLE RELEVANT PROJECT EXPERIENCE

Westside - Sanitary Pumping Station Rehabilitation/Repair

Client
Township of Edison

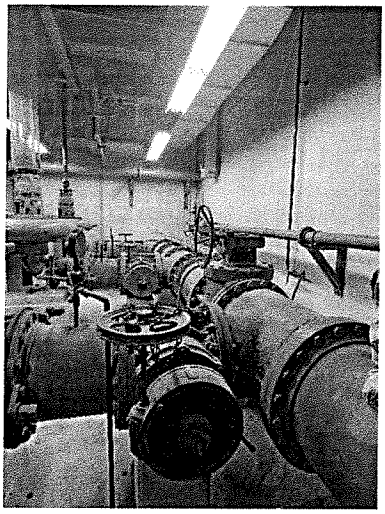
Location
Edison, NJ

Contact
Sonia Alves-Viveiros,
Business Administrator,
732.248.7298

Services Provided
NJIB Funding Assistance, Planning, Design, Permitting, Bidding Assistance, Construction Administration and Construction Inspection

Project Duration
June 2023 – Ongoing

Construction Cost Estimate
$5.25M



The Westside Pumping Station, constructed in 1967 and last rehabilitated in 1999, was in need of substantial rehabilitation work to address compliance and operational concerns. It has an estimated capacity of 7.5 million gallons per day through four (4) 100 horsepower Allis Chalmers Model 2501 vertical shaft centrifugal dry pit sewage pumps. At the request of the Edison Water and Sewer Department, T&M is designing a replacement pumping station with upgraded pumps, updated controls, new generators, exterior lighting, HVAC, air exchange, structural improvements to the walkway within the wetwell, concrete wall coatings, electrical upgrades, comminutors and by-pass connections. The existing station does not currently have a means to by-pass the pump station. These improvements will include the installation of a permanent by-pass connection to the existing 24-inch PCCP force main.

T&M is preparing and submitting permit applications including the Treatment Works Applications (TWA), and NJDEP General Permits. Additionally, the firm is also assisting with the application for NJIB funding for the project by acting as designated representative and managing the necessary documentation and project records.

Upon completion of the design, T&M will also assist the Township throughout the bidding process by responding to bidder inquiries, preparing addendums as required, and reviewing bids.

During construction, T&M will perform administration services including responding to Requests for Information (RFIs), processing change orders, processing payment applications, and coordinating with NJDEP and OEO. T&M inspectors will provide part-time construction oversight and will perform field testing upon completion of construction activities.

Oxmead Road Water Treatment Plant

Client
Township of Burlington

Location
Burlington, NJ

Contact
Scott Hatfield
Township Engineer
609.239.5891

Project Duration
January 2024 to present

Services Provided
Planning, Water Design, Electrical Engineering, Automation/Process Control Design, Structural Design, Permitting, Bidding, Construction Administration Services

Construction Cost
$10 Million (est)

Burlington Township currently owns and operates the Oxmead Road Water Treatment Plant (WTP), located at 1106 Oxmead Road within Block 133, Lot 5, on a landlocked parcel encompassing approximately 5.32 acres. The site includes the existing Oxmead WTP, Public Works facilities, four groundwater well houses, and associated infrastructure. In response to elevated concentrations of iron, manganese, and per- and polyfluoroalkyl substances (PFAS) in the groundwater supply, the Township retained T&M to provide comprehensive engineering services including design, bidding, and construction administration for a new drinking water treatment facility.

The existing WTP is supplied by four groundwater wells with the following capacities: Well 1A and Well 2 each produce 500 gallons per minute (gpm), while Well 3 and Well 4 each yield 1,000 gpm. T&M's scope of work encompasses a detailed evaluation of treatment process alternatives, followed by the design and implementation of the selected treatment technologies. The proposed improvements include the installation of granular activated carbon (GAC) contactors for PFAS removal and pressure vessels for iron and manganese filtration.

Mechanical engineering services involve the replacement of well pumps, various process piping, valves, actuators, and fittings, as well as integration of the new treatment units. Electrical upgrades include the replacement of variable frequency drives (VFDs), switchgear, automatic transfer switches (ATS), and other associated electrical components to support the enhanced treatment operations. Structural engineering tasks include geotechnical investigations, foundation design, and architectural design of a new building addition to house the treatment equipment. HVAC improvements will be incorporated to ensure proper climate control within the new facility. Site engineering services include modifications to grading, pavement and sidewalk improvements, and other ancillary site work necessary to support the expanded infrastructure.

Woodstream Wastewater Treatment Plant Headworks Replacement

Client
Evesham Municipal Utilities Authority

Location
Evesham, NJ

Contact
Jeffrey C, Booth
Executive Director
856.983.1878

Services Provided
Planning, Wastewater Design, Electrical Engineering, Automation/Process Control Design, Structural Design, Permitting, Bidding, Construction Administration Services

Project Duration
September 2023 – Ongoing

Construction Cost
$8M



The Evesham Municipal Utilities Authority undertook a comprehensive upgrade of the headworks system at the Woodstream Wastewater Treatment Plant, which had a rated capacity of 1.7 million gallons per day. The existing Raptor Complete Plant, a combined grit and screening removal system, had reached the end of its service life and was subject to frequent maintenance challenges and limited availability of replacement components. To address these operational inefficiencies, the Authority engaged T&M to provide engineering design services for the replacement of the headworks with modernized screening and grit removal infrastructure.

The project scope included the installation of precast concrete channels to accommodate two Hydro-Dyne Great White Center Flow Screens and a backup manual bar screen. A new grit removal system was implemented using a Hydro-International Headcell paired with two Hydro Grit Cleanse Units. These units were housed in a newly constructed prefabricated building, designed with separate rooms for electrical and mechanical equipment, and outfitted with HVAC systems, air exchange units, and structural foundations to support operational and maintenance activities.

Additional improvements involved piping modifications at the influent pump station, including the installation of a below-grade sanitary force main to convey flow to the new screening equipment. Gravity piping adjustments and core drilling connected the new system to an existing upstream manhole. The grit removal system was installed within a concrete chamber, with an adjacent grit collection chamber and pump to transfer material to the grit washer. Site-wide utility modifications were completed to accommodate service water lines, force mains, and odor control piping, based on the final equipment layout and survey results.

Electrical, instrumentation, SCADA integration, and HVAC enhancements supported the new equipment and operational requirements. Cold weather protection features were incorporated into the screening system to mitigate potential freeze-related disruptions. Upon completion of construction, the project included demolition and disposal of obsolete equipment and materials, followed by restoration of all disturbed areas with appropriate vegetative cover.

T&M also supported the Authority throughout the bidding phase by addressing contractor inquiries, preparing addenda, and reviewing submitted bids to facilitate successful project delivery.

Headworks Building Improvements

Client
Mountain Top Joint Sanitary Authority (MTJSA)

Location
Mountain Top, PA

Contact
Jeffery Mylet
Executive Director
570.678.7411 ext. 38

Services Provided
General Engineering, WWTP Operational Support, Collection System I&I Studies and Corrective Action Plans, Litigation Support, Construction Observation, Grit Removal System Design and Permitting

Construction Cost
$2 Million

T&M is providing Engineering services for the design and permitting of a grit removal system at MAJSA WWTP. The existing headworks lack grit removal capability, leading to increased maintenance in the aeration basin. The project includes installing two 4.3 MGD circular vertex-type grit separators, a mechanical grit classifier, transfer pumps, and associated piping and fittings. These components will be housed in a new masonry building between the headworks and maintenance garage, equipped with electric, lighting, and HVAC systems for cold weather protection.

Additionally, T&M has served as the appointed Authority Engineer to MTJSA since the summer of 2024. The Authority owns and operates a WWTP with a capacity of 4.16 MGD and 4,600 lbs/day BOD_5. The system provides services to four municipalities: Wright, Rice, and Fairview Townships, and Nuangola Borough, Luzerne County, PA. In 2023, the MTJSA provided services totaling 7,422 EDUs consisting of 2,085 Industrial EDUs and 5,337 mixed residential and commercial EDUs.

The collection system has a combination of gravity and low-pressure sewer systems consisting of a total of 120.5 miles of sewer main including 2,148 manholes. The Authority also operates eight (8) pump stations in the collection system. The WWTP consists of three (3) extended aeration treatment trains with a 3.2-million-gallon equalization tank and UV Disinfection.

Key Services/Projects Provided

- General Engineering. T&M provides on-call services to provide general and emergency support to the Authority.
- I&I Study and Corrective Action Plan. Preparation and implementation of a Corrective Action Plan to mitigate hydraulic overloads is currently underway.
- Glenn Summit Construction Administration. Construction Observation and Administration for a $2.5M sewer collection system replacement project.
- Organic Capacity Re-rate. T&M modeled the WWTP to allow for re-permitting of the WWTP to a higher organic capacity without actual WWTP expansion.
- Tapping Fee Study. Preparation of an Act 57 Tapping Fee Study is currently underway.
- Solar Panel Study. Preparation of a Solar Panel Feasibility Study for providing power the WWTP.
- Grit Removal System. T&M is preparing plans and obtaining permitting for a grit removal system for the WWTP.

Peractic Acid Improvements

Client
Bernards Township Sewerage Authority

Location
Basking Ridge, NJ

Contact
Thomas Timko, PE
Director
908.204.3020

Services Provided
Water/Wastewater, MEP Engineering

Project Duration
June 2025 to Ongoing

Construction Cost
$875,000

T&M is providing engineering and design for upgrades and replacement of the existing disinfectant with PAA. Upgrades included installation of a new chemical feed system, injection chamber and all monitoring equipment. Improvements to the building, HVAC and electrical.

Bayside Prison Wastewater Treatment Plant Sludge Tank Replacement

Client
New Jersey Division of Property Management and Construction (DPMC)

Location
Maurice River Township, Cumberland County, NJ

Services Provided
Water/Wastewater, MEP Engineering

Project Duration
June 2025 to Ongoing

Construction Cost
$800,000

T&M is providing comprehensive engineering services for the replacement of two existing sludge storage tanks at the Bayside Wastewater Treatment Plant in Maurice River Township. The project involves the removal and replacement of 12,000-gallon and 13,000-gallon tanks, along with the reconstruction of their foundations to accommodate the new structures.

T&M's scope includes the replacement of level indicators and a magnetic flow meter, both equipped with 4-20 mA signal outputs to allow for future integration with the facility's SCADA system. Associated piping and valving will also be replaced to support the new tank configuration and maintain operational flexibility.

Throughout construction, T&M will develop and implement staging plans to minimize disruption to plant operations while maintaining a minimum of 25,000 gallons of sludge storage capacity. The project will conclude with full site restoration, project closeout documentation, and training for facility personnel to support long-term operational success.

Wood Avenue and Westside - Sanitary Pumping Station Rehabilitation/Repair

Client
Township of Edison

Location
Edison, NJ

Contact
Sonia Alves-Viveiros,
Business Administrator,
732.248.7298

Services Provided
NJIB Funding Assistance, Planning, Design, Permitting, Bidding Assistance, Construction Administration and Construction Inspection

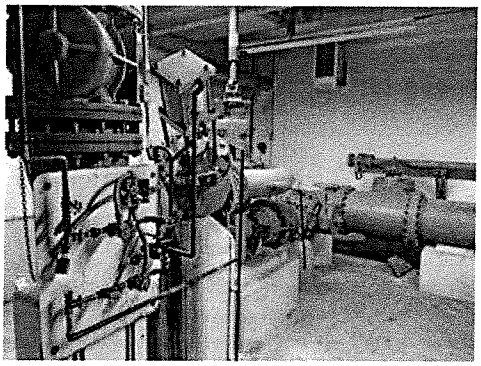
Project Duration
June 2023 – Ongoing

Construction Cost
Wood PS: $2.0 MI Est.
Westside PS: $5.25 MI Est.

T&M received two (2) engineering services contracts for work associated with Edison Sanitary Sewer Pump Stations in need of substantial rehabilitation work to address compliance and operational concerns. This included the Wood Avenue and Westside Sanitary Pumping Stations with pumping capacities ranging from 1,000 gallons per minute (GPM) to 5,250 GPM. The Wood Avenue Pumping Station was constructed in 1966 and the Westside Pumping Station was constructed in 1967.

At the request of the Edison Water and Sewer Department, T&M is designing replacement pumping stations with upgraded pumps, updated controls, new generators, exterior lighting, variable frequency drives, comminutors and by-pass connections. T&M is also preparing and submitting permit applications including the Treatment Works Applications (TWA), and NJDEP General Permits for both pumping stations. Additionally, the firm is also assisting with applications for NJIB funding for the projects by acting a designated representative and managing the necessary documentation and project records.

Upon completion of the design, T&M will also assist the Township throughout the bidding process by responding to bidder inquiries, preparing addendums as required, and reviewing bids.



During construction, T&M will perform administration services including responding to Requests for Information (RFIs), processing change orders, processing payment applications, and coordinating with NJDEP and OEO. T&M inspectors will provide part-time construction oversight and will perform field testing upon completion of construction activities.

Water Treatment Facility Upgrades for PFAS Treatment

Client
Borough of National Park, NJ

Location
Borough of National Park, NJ

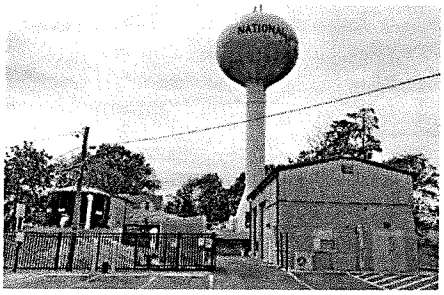
Contact
Joy Gunn, Borough Clerk and Administrator
856.845.3891

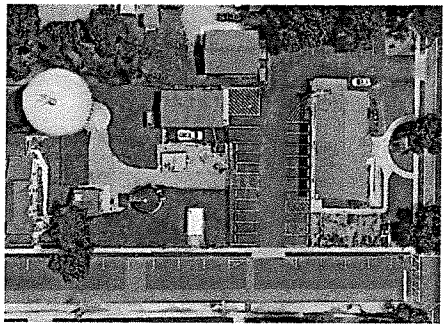
Services Provided
PFAS Treatment Evaluation, Civil Design, Grant Procurement + Management, Permitting, Construction Administration + Inspection, Project Closeout

Project Duration
April 2020 – February 2023

Construction Cost
$1.5 million

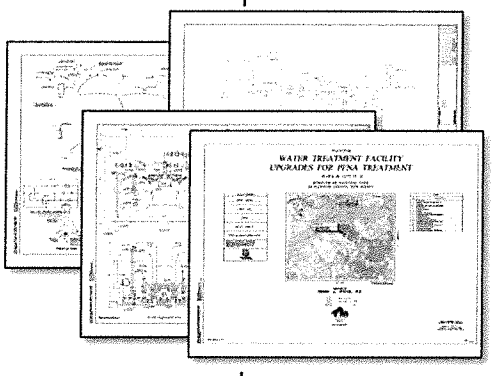
On January 22, 2020, the Borough of National Park, NJ received notice from NJDEP that their samples collected for the fourth quarter exceeded the standard, or maximum contaminant level (MCL), for Perfluorononanoic Acid (PFNA).





By Spring 2020, T&M completed a feasibility study for the Borough, including evaluation and selection of treatment options for PFAS removal. The Borough required financial assistance to support the project, so T&M provided grant/loan management services, obtaining loan assistance from the New Jersey Environmental Infrastructure Financing (NJEIF) Program, New Jersey Environmental Infrastructure Trust (NJEIT) with $500,000 loan forgiveness, and a $1 million USDA grant. T&M was able to help the Borough fund the entire project.

T&M prepared all design documents and specifications for construction and commissioning of the Borough's new PFAS treatment plant. The 500-gpm system will remove all PFAS to non-detect levels and is comprised of two trains of granular activated carbon vessels, in parallel lead-lag configuration with prefiltration bag filters. T&M also ensured all regulatory compliance, including preparation of all permits and supporting documentation required from state and local agencies. The NJDEP construction permit application was submitted to the NJDEP Bureau of Safe Drinking Water in October 2020 and a permit was issued in April 2021. Simultaneously, bid documents were finalized and submitted to the funding agencies.



Construction began in May 2022, with substantial completion in December 2022. The plant was placed in service on February 2, 2023.

Weekly testing started for four weeks from February 2 through February 21, 2023, and results were <2 ng/L or non-detect for PFAS. Subsequent sampling events have yielded the same results of <2 ng/L.

Water Treatment Facility Upgrades for PFAS Treatment

Client
Township of Burlington

Location
Burlington Township, NJ

Contact
Scott Hatfield
Township Engineer
609.239.5891

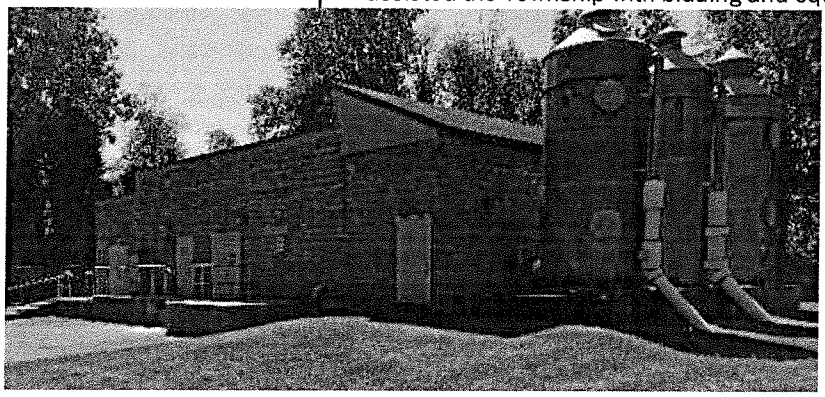
Services Provided
Site, Building, Structural, Mechanical, Electrical, Environmental Engineering

Project Duration
2021 – September 2024

Burlington Township (Township) owns and operates the Beverly Road Water Treatment Plant, which provides drinking water to customers across a portion of the Township. This three-million-gallons-per-day (MGD) treatment plant was required to begin sampling for per- and polyfluoroalkyl substances (PFAS) in the first quarter of 2020. It was found that the running quarterly average concentration of perfluorooctanoic acid (PFOA) exceeded the New Jersey Department of Environmental Protection (NJDEP) Maximum Contaminant Level (MCL) of 14 ng/L in March 2021.

T&M conducted an evaluation for the Township, comparing options for PFAS treatment in groundwater, and provided budgetary estimates for expected capital and operating costs. Since the Township was already treating water for radon using air stripping towers, T&M assessed how best to integrate the PFOA treatment process into the existing treatment train to minimize disruptions. Based on cost evaluations and other factors, the Township selected ion exchange (IX) resin for PFOA treatment and chose to place the IX resin system at the front of the existing treatment plant, ahead of the air stripping towers.

T&M was retained by the Township to design and oversee construction of the PFOA treatment system and a building to house it. T&M developed the system design, assisted the Township with bidding and equipment selection, and prepared the NJDEP permit application. T&M oversaw construction of the treatment system during 2023 and 2024.



T&M's overall scope of services included: feasibility analysis; environmental and engineering design; structural, mechanical, and electrical design; preparation of NJDEP permit applications; bidding assistance; site work; construction administration; and construction inspection services.

Prestressed Concrete Equalization Tank Improvements

Client
Western Monmouth Utilities Authority (WMUA)

Location
Monmouth County, NJ

Contact
Brian Valentino
Executive Director
732.446.9300

Services Provided
Water/Wastewater, Electrical, Structural Engineering; HVAC Design; Construction Administration & Inspection

Design Duration
February 2017 – October 2019

Construction Duration
November 2019 - September 2020

Construction Cost
$8,255,356

T&M was authorized by Western Monmouth Utilities Authority to prepare design documents for the demolition of the existing earthen, lined equalization basin and construction of a new 2.0-million-gallon capacity round prefabricated concrete EQ tank in an area of existing reed beds at their Pine Brook Sewage Treatment Plant. The project was funded through the NJ Environmental Infrastructure Trust and consisted of the following:

- Sludge Removal from the existing earthen, lined equalization basin
- Removal of Basin Liner, Basin Wall and Weir Structure
- Cut and Cap Piping in the existing earthen equalization basin
- Removal of Material from reed beds and demolition of reed beds structure
- Excavating the Precast Tank and Stone Subbase
- Piping under the Precast Tank slab
- Precast Control Building construction
- Installation of Tank Flush system and Aeration system
- Installation of 24" diameter raw sewage supply pipe
- Installation of 18" diameter raw sewage discharge pipe
- Testing and Backfilling Tank
- Appurtenances, electrical connections and controls
- Testing and Backfilling of Tank
- Permitting services for NJDEP TWA and NJEIFP

During construction, T&M provided resident inspection, specialized inspection, and construction administration during the two-year construction period of the project. This included shop drawing reviews, responses to construction RFI's, payment application, change order processing and use of UAS photography to help capture the on-going construction from an aerial view.

Wastewater Pump Station Improvements

Client
Northwest Bergen County Utilities Authority (NBCUA)

Location
Waldwick, NJ

Contact
John Danubio
Deputy Executive Director
201.447.2660
hhurwitz@nbcua.com

Services Provided
Wastewater Design, Electrical Engineering, Automation/Process Control Design, Structural Design, Permitting, Funding Assistance, Bidding, Construction Administration Services

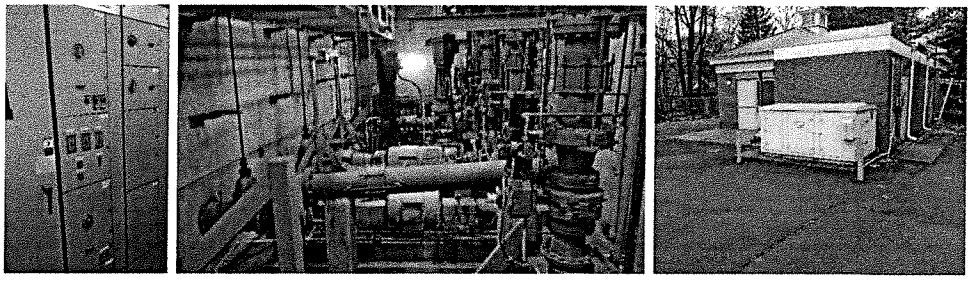
Project Duration
December 2017 - April 2022

Construction Cost
$4.952 million

The Northwest Bergen County Utilities Authority (NBCUA) provides sanitary sewer service to multiple municipalities within the northwest section of Bergen County. NBCUA operates a secondary wastewater treatment plant, as well as, 5 regional sewage pumping stations and over 300,000 LF of interceptor piping ranging in size from 8 inches to 30 inches.

The Authority has been systematically upgrading and rehabilitating their existing sewage pumping stations. As part of the Wastewater Pump Station Improvements Project, NBCUA authorized T&M to design various improvements to four (4) of its existing pump stations. The pump stations selected included the Midland Park Pump Station, the Goffle Road Pump Station, the Ho-Ho-Kus Pump Station and the Darlington Pump Station. T&M prepared a basis of design report outlining various recommendations for improvement and proceeded with design of the following selected improvements:

- Mechanical: Replacement of a pump, existing hoist systems and diesel fuel tank, installation of a new jib crane and 2 bypass connection stubs, construction of bypass discharge manholes, replacement of various piping, valves, actuators, compressors and fittings, cleaning of wet wells, and other miscellaneous work.
- Electrical: Replacement of multiple VFDs, switchgears, ATS, and other associated electrical equipment, and other miscellaneous work.
- Structural: Floodproofing and structural modifications to the Ho-Ho-Kus Pump Station, replacement of existing roofs and gutters, construction of multiple concrete utility pads and structural modifications to existing walls to accommodate new installation and other miscellaneous work.
- HVAC: Replacement of HVAC and odor control equipment, installation of a gas detection system, and other miscellaneous work.
- Site: Sidewalk and pavement improvements, grading modifications, and other miscellaneous work.





PROPOSAL
for
2025 WWTP and COLLECTION SYSTEM CAPITAL IMPROVEMENTS

LBSA
LONG BRANCH SEWERAGE AUTHORITY

RECEIVED
SEP 10 2025
L.B. SEWERAGE AUTHORITY

September 9, 2025

TOM

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1705 Route 37 East
Toms River, NJ 08753
732-573-0490

September 9, 2025

Via email to: troguski@lbsa.net
Mr. Thomas Roguski, PE, CME
Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
Long Branch, NJ 07740

Re: Response to Request for Proposal
2025 WWTP and Collection System Capital Improvements
VCEA Project No. 25128

Dear Mr. Roguski:

Van Cleef Engineering Associates, LLC (VCEA) is pleased to offer this proposal for engineering and related professional services in response to your request for the 2025 WWTP and Collection System Capital Improvements project. We have worked diligently to provide you with a proposal that thoughtfully details the technical scope, scope of services, anticipated schedule, assigned personnel, and fees associated with this work.

VCEA has ensured that we are very familiar with this project, having both visited your facility as well as engaged in significant dialog with you and your personnel regarding same. LBSA is familiar with many members of VCEA's core team and the depth and breadth of expertise they bring from their history of work with LBSA as well as a long list of others. Key personnel, including myself, are situated in Toms River, just a short ride from your facility. We are more than confident that we can effectively and efficiently design and deliver this project, and we commit ourselves to exceeding your expectations.

We very much appreciate the opportunity to submit this proposal and look forward to performing these services for you. Should you need further information or have any questions, please do not hesitate to contact me directly at (732) 485-8594 or via email to mbean@vancleefengineering.com.

Very truly yours,

Van Cleef Engineering Associates, LLC

Mark A. Bean, P.E., CGP, LEED AP, FIGP
Vice President, Water/Wastewater

Van Cleef
ENGINEERING WITH FOCUS

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SECTION 1

Project Description

In accordance with the Request for Proposal (RFP) and our site visit and discussions, it is VCEA's understanding that LBSA seeks to make specific capital improvements to various systems and components in both its wastewater treatment plant and its collection system.

Wastewater Treatment Plant Capital Improvements

Digester Cover Replacement

The existing digester covers have reached the end of their useful life. LBSA is seeking to replace the covers with an analogous membrane-style cover system. During preliminary design, VCEA will investigate membrane-style covers by multiple manufacturers to ensure diligence and an informed selection. It has been noted that the Authority may have a preference for the WesTech DuoSphere system, however, VCEA will also investigate the possible use of Ovivo's Ultrastore membrane system as well as Xylem's Dystor membrane system, potentially among others.

All ancillary systems and components (flame arrestors, blowoff and pressure relief valves, etc.) will also be evaluated for replacement.

The replacement work will necessitate emptying and cleaning of the digesters, as well as allow for inspection of interior tank conditions and the condition of mixing systems, piping, and other items and components within the digester. Repair or replacement of all such items will be accommodated.

Instrumentation and SCADA integration will be incorporated as appropriate, also noting the Authority's desire for monitoring and/or visualization of both digester level and other interior conditions.

Emergency Effluent Pump Replacement

All aspects of the emergency effluent pumping system will be evaluated and replaced. This is inclusive of pumps/motors, piping, valves, controls, level control/instrumentation/SCADA, VFD's, etc. The required capacity of the pumping system will be evaluated and pump selection will be made accordingly.

In addition, a new permanent bypass will also be designed.

Ancillary Items

There is a single sludge heat exchanger and multiple valves in various locations throughout the plant that will be replaced. There are several locations in existing piping where new valves are to be installed. If the Authority identifies additional items or VCEA's investigations identify additional items, these will similarly be incorporated into the Work.

Collection System Capital Improvements

Sanitary Sewer Main Replacement

Replacement/upgrade of the existing sanitary sewer mains, manholes, and laterals will be effected in four locations on the following City streets:

- Sixth Avenue
- Slocum Place
- West End Avenue
- Westwood Avenue

Of particular note amongst these, Sixth Avenue appears to be concrete paved. This will warrant special attention and will prove more expensive than the Work contemplated in the other streets.

All linear work will also result in curb-to-curb pavement restoration.

NJDEP Treatment Works Approval (TWA) Permitting

The majority of the Work contemplated by this project does not require TWA permitting due to in-kind replacement of equipment and piping being exempted in accordance N.J.A.C. 7:14A-22.4. It is also assumed, at this time, that the sewers to be replaced convey less than 8,000 gallons per day (gpd). Accordingly, only the Work concerning the replacement of the emergency effluent pumps and the bypass piping associated therewith appear to be subject to TWA permitting, especially considering the likely increase in pump capacity. Should it be determined that the sewer lines to be replaced do convey more than 8,000 gpd, VCEA will include this Work in the TWA permitting process.

Funding

It is understood that the Authority will seek to fund the Work through the NJ Infrastructure Bank (NJIB), especially noting its qualification for up to $2M in principal forgiveness. VCEA will work with the Authority and the NJIB throughout all stages of the funding process, as subsequently indicated in our proposed Scope of Work.

SECTION 2

Phase 1.0 – Planning & Funding Phase Services

VCEA will coordinate with LBSA for the planning, funding, and funding-related administration for the project. VCEA will prepare and submit required forms, applications, and plans to NJDEP and/or the New Jersey New Jersey Infrastructure Bank (NJIB) for the funding of the project and will provide appropriate support in the administration of same throughout the duration of the project. VCEA anticipates completing the following tasks:

Task 1.1 Pre-Planning Meeting and Letter of Intent

VCEA will arrange and participate in a pre-planning meeting with NJDEP, NJIB and LBSA, and will prepare handout materials to facilitate describing the purpose and need for the project to NJDEP and NJIB staff.

VCEA will also prepare the required Letter of Intent (LOI), Project Information Form, and all other related forms for submission to the NJIB.

Task 1.2 Prepare Facilities/Environmental Assessment Report

A Facilities/Environmental Assessment Report must be submitted to the NJIB and NJDEP concurrent with the LOI. This report must comply with N.J.A.C. 7:22-3.11. Based on the nature of this project, it is anticipated that a Level 1 Environmental Assessment will be sufficient (to be confirmed during the Pre-Planning Meeting). The combined Facilities/(Level 1) Environmental Assessment must include the following information:

1. Project details;
2. Schedule;
3. Cost estimate;
4. A geographical description of the planning area, a description of the need for the proposed activity, and a description of the nature and location of any structures to be built;
5. An 8-1/2 inch by 11 inch map of the planning area which depicts the location of the proposed activity, and an 8-1/2 inch by 11 inch site plan showing areas of proposed construction;
6. Maps that clearly depict the topography of the planning area, the location of the proposed activity, the service area of the affected environmental infrastructure facilities, all areas of proposed construction and environmental features;
7. A narrative describing the extent of beneficial and adverse impact on environmental or cultural resource features that can be expected as a result of the proposed project;
8. A summary of alternatives available, including, at a minimum, the no action alternative, and the basis for selecting the proposed plan which must be the most economical, environmentally sound and implementable alternative;
9. The impact of the proposed project on user costs; and,
10. A summary of the involvement of the public in the development and selection of the proposed project.

VCEA will prepare a draft Facilities/Environmental Assessment Report for LBSA's review. Following review and comment, VCEA will revise the draft report accordingly. VCEA will then coordinate with LBSA for the electronic submittal of all Task 1.1 and 1.2 deliverables to NJDEP and NJIB.

Task 1.3 Prepare Project Loan Application

VCEA will prepare the following items to assist LBSA in completing the Application for Financial Assistance for the construction phase of the project:

- Application Form LP-2;
- Assurance Forms LP-3 and LP-4;
- Budget Forms LP-5A/5B/6A and 6B;
- Project Approval Forms LP-7 and LP-8;
- Additional Information Requirements Forms LP-9, LP-11 and EPA Form 4700-4 Attachments (as applicable);
- Reserve Capacity Information with Reserve Capacity Cost Ratio (if applicable);
- Anticipated Disbursement Schedule; and,
- Project Construction Schedule.

It is assumed that the LBSA's Bond Counsel or Financial Advisor will prepare and submit the required Financial Addendum Form and local finance board application, as may be applicable.

VCEA will then coordinate with LBSA for the electronic submittal of all required items to NJDEP and NJIB.

Task 1.4 Design Loan Assistance

As is typically the case with a funded project, VCEA assumes that it is LBSA's intent to have the Professional Services Contract funded by the NJIB. To support same, VCEA will assist LBSA in applying for a Design Loan (referred to as "Line of Credit Loan" by the New Jersey Infrastructure Bank). To that end, VCEA will:

- Prepare the Project Information Form, which is submitted on-line together with a copy of the Engineering Services Agreement.
- Prepare Form LP-6A of the loan application, which is also prepared and submitted-on line.

It is assumed that the Financial Addendum Form will be prepared by LBSA's Bond Counsel.

As LBSA may be aware, following design completion, public bidding, and award of a construction contract, the "Line of Credit Loan" is rolled into the interim Construction Loan which is used to pay construction and engineering costs during construction.

Task 1.5 Submit Design Documents to NJDEP

Design documents must be submitted to NJDEP concurrent with the Loan Application. In addition to electronic uploads of Design Documents, VCEA will reproduce, sign/seal, and submit three (3) hardcopy sets of the Contract Drawings, Project Specifications, and Engineer's Report to the NJDEP.

Task 1.6 Prepare SED Utilization Plan

VCEA will develop a draft SED Utilization Plan for LBSA describing how the project SED goal will be met. The draft SED Utilization Plan will be submitted to LBSA for review. Following the receipt of comments, VCEA will revise the SED Utilization Plan accordingly and will submit two (2) copies to NJDEP and the Office of Equal Opportunity Employment.

Task 1.7 Respond to NJDEP Review Comments

VCEA will respond to questions and comments from NJDEP and/or the NJIB following their review of the Facilities/Environmental Assessment Report, Design Documents, SED Utilization Plan and Loan Application.

Task 1.8 Coordinate with Bond Counsel

VCEA will provide as-requested technical support to LBSA's Bond Counsel during its preparation of the Local Finance Board Application and Financial Addendum Form.

Task 1.9 Authorization to Advertise

As part of this Task, VCEA will:

- Notify NJDEP and the Office of Equal Opportunity Employment of the anticipated schedule.
- Coordinate and provide information necessary leading to the issuance of an Authorization to Advertise the project for public bidding.

Task 1.10 Authorization to Award

As part of this Task, VCEA will:

- Upload required documents related to the bid process and award of the Construction Contract to the NJIB portal.
- Coordinate and provide information necessary leading to the issuance of an Authorization to Award the Construction Contract.

Please also see subsequent Task 6.1.

Phase 2.0 – Preliminary Design

The objective of Preliminary Design is to advance the design concept presented above to the point of establishing the detailed basis of design for each engineering discipline, including the preparation of preliminary drawings and outline specifications. This task will encompass the following:

Task 2.1 Preliminary Process/Mechanical Design

The process/mechanical design for the various aspects of the Work will be advanced by VCEA by performing the following tasks, as applicable:

- Finalize the design criteria, design basis manufacturers and potential equivalent manufacturers, sizing, materials of construction, and appurtenant/appropriate options associated with all process/mechanical equipment;
- Prepare any necessary hydraulic calculations;
- Prepare equipment and piping layouts based on the final equipment sizing and selections;
- Prepare equipment schedules including motor horsepower requirements;
- Prepare any preliminary Process Flow Diagram;
- Prepare any preliminary hydraulic profiles;
- Prepare preliminary piping and valving schedules; and,

- Prepare preliminary mechanical plans and sections.

It is also important to note that there will need to be some diligence with regard to the selection of the major equipment (primarily, the digester covers). Narrative regarding the options, the selection process, and the cost implications thereof will be appropriately incorporated into the Facilities/Environmental Assessment Report for the NJIB (please see Task 1.2) in addition to the Preliminary Design Report (please see subsequent Tasks 2.7/2.8.

Task 2.2 Preliminary Civil/Site Design

The civil/site design for the various aspects of the Work will be advanced by VCEA by performing the following tasks, as applicable:

- Confirm site constraints;
- Confirm site logistics as they may affect construction;
- Prepare preliminary site plans (noting the different areas of work, i.e. collection system vs. in-plant) indicating Contractor lay-down/storage/staging areas, site access, and other appropriate site elements affecting construction;
- Prepare preliminary pipe plans and profiles for linear work;
- Identify excavation and support of excavation requirements;
- Identify materials requirements for backfill, fill, and paving; and,
- Verify if linear or other work requires easments, temporary easements during construction, or any other form of agreement with outside entities.

Task 2.3 Preliminary Structural Design

During this task, VCEA will establish the relevant codes and standards for any applicable structural designs, present structural loading criteria, and identify appropriate materials of construction. As may be necessary, preliminary structural drawings will be prepared, but these will be limited to basic designs and criteria to the extent that preliminary construction cost estimates can be developed. At this juncture, it is anticipated that only "typical" concrete repairs, equipment support, and repair of ancillary structural items will be necessary, as previously discussed under Technical Scope. Precast concrete elements and other manufactured items that may be specified will be designed by manufacturer/supplier, complete with a signed/sealed Certificate of Design.

Task 2.4 Preliminary Instrumentation & Control (I&C) Design

VCEA will develop the functional control descriptions for each major component/system, addressing how each component will be controlled and monitored. Key process monitoring instruments will be recommended, naming manufacturers and preferred models. The existing SCADA and data/controls architecture will be investigated. A preliminary process and instrumentation diagram (P&ID) will be prepared.

Task 2.5 Preliminary Electrical Design

The electrical design for the various aspects of the Work will be advanced by VCEA by performing the following tasks, as applicable:

- Develop a preliminary electrical load list;
- Investigate existing electrical service and distribution;
- Prepare a preliminary electrical single-line diagram;
- Size the major electrical equipment; and,
- Develop recommendations for power cables, control wires, conduit, grounding, motors, NEMA enclosure classifications, lighting, convenience power, lightning protection modifications (if necessary), communications, and fire alarm (if necessary).

Task 2.6 Preliminary Opinion of Probable Construction Cost

A preliminary Opinion of Probable Construction Cost will be prepared based on the level of design detail available at the completion of Preliminary Design. VCEA will work with standard industry resources (e.g. RS Means), schedules of values and our experience from our previous/other projects, and opinions of our Contractor resources to derive a preliminary Opinion of Probable Construction Cost.

Task 2.7 Draft Preliminary Design Report

The work performed in Tasks 2.1 through 2.6 will be presented in a draft Preliminary Design Report (PDR). Preliminary civil, mechanical/process, structural, instrumentation/control, and electrical drawings, as well as key equipment/vendor information, will be appended to the PDR. The draft PDR will be provided electronically for review. A meeting will be held as part of Phase 4.0 to discuss the draft PDR.

The PDR will be prepared in a format that can be readily adjusted for submission as the Engineer's Report that is required to accompany the NJDEP/NJIB Design Document Submission.

Task 2.8 Preliminary Design Report (Final)

The draft PDR will be revised as appropriate and finalized after review comments have been received and a review meeting (per Phase 4.0 as noted above in Task 2.7) completed. It is anticipated that the review and consensus process will necessitate only one (1) revision to the draft PDR for its finalization. The final PDR will also serve as an agreed-upon Basis of Design Document for scope, final design, and the preparation of Construction Documents.

Phase 3.0 – Final Design

The objective of final design is to produce the final Construction Documents to be utilized for the actual delivery of the project. The final, accepted PDR will serve as the basis of design for all aspects of the Work.

The following preliminary drawing list has been developed for the purpose of estimating the level of effort and cost for final design:

Drawing	Description
G-1	Cover Sheet with Location Plans & Drawing Index
C-1	Civil Legend, Abbreviations & General Notes
C-2	Existing Site & Conditions Plan; Construction Logistics - Plant
C-3	Sewer Replacement Plans & Profiles
C-4	Sewer Replacement Plans & Profiles
C-5	Civil Details
C-6	Soil Erosion & Sediment Control Plans
C-7	Soil Erosion & Sediment Control Notes & Details
D-1	Digester Covers & Appurtenances Demolition
D-2	Emergency Effluent Pumps Demolition
D-3	Heat Exchanger & Assorted Valve Demolition
D-4	Assorted Valve Demolition
S-1	Structural Notes
S-2	Concrete & Structural Modifications and Repair Details
S-3	Structural Details
M-1	Mechanical Notes and Legend
M-2	Process Flow Diagrams; Piping, Valving, & Equipment Schedules
M-3	Digester Cover Plans & Sections – 1 & 2
M-4	Digester Cover Plans & Sections – 3 & 4
M-5	Digester Cover Details
M-6	Emergency Effluent Pumps Plans & Sections
M-7	Emergency Effluent Pumps Piping, Bypass Piping, & Details
M-8	Heat Exchanger & Assorted Valve Replacements
M-9	Assorted Valve Replacement
M-10	Mechanical Details
M-11	Mechanical Details
I-1	Instrumentation Legend & Notes
I-2	Process & Instrumentation Diagrams
I-3	Control & Interconnection Diagrams
I-4	Instrumentation & Control Details
E-1	Electrical Legend & Notes
E-2	Single Line Diagram & Interconnection Block Diagrams
E-3	Digester Covers Electrical Plan
E-4	Effluent Pumps Electrical Plan
E-5	Electrical Distribution and Conduit & Wire Schedules
E-6	Electrical Details
T-1	Traffic Control Plans

T-2	Traffic Control Details

It should be noted that the above list is preliminary, as indicated. Wherever possible, drawing information will be combined/aggregated to minimize the size of the drawing set while still employing all reasonable care to ensure sufficient detail and clarity for construction and permitting purposes.

Task 3.1 Prepare Draft Drawings/Specifications for Review

VCEA will prepare approximately 60% complete drawings and specifications. Full technical specifications (in traditional CSI 16-Division format), general specifications, and front-end specifications will be provided. If LBSA has its own Front End Specifications, VCEA will utilize same and modify accordingly for the project. If LBSA does not have its own Front End Specifications, VCEA will provide and utilize our standard NJ front end documents, with appropriate additions for NJDEP/NJIB. The drawings and specifications will be prepared in accordance with the basis of design established by the final PDR and will present an appropriate level of detail.

Two (2) sets of the 60% complete Construction Documents will be provided for review. A meeting will be held as part of Phase 4.0 to discuss the 60% documents.

Task 3.2 Final Opinion of Probable Construction Cost

The Preliminary Opinion of Probable Construction Cost will be updated to reflect material quantities, vendor price quotes, current prevailing wages, and anticipated labor estimates associated with the final design. The Final Opinion of Probable Construction Cost will also be of sufficient detail and accuracy to support the Design Document Submission to the NJIB.

Task 3.3 Engineer's Report

The Engineer's Report will include the information from the PDR and be augmented as necessary to ensure it is of sufficient detail to support the Design Document Submission to the NJIB.

Task 3.4 Bid-Ready Construction Documents

Draft Final Construction Documents will be provided to LBSA and will similarly be submitted to NJDEP/NJIB as part of the required Design Document Submission. Unless otherwise requested, VCEA will provide LBSA with electronic copies of the Draft Final Construction Documents.

Bid-Ready Construction Documents will be prepared by addressing LBSA's and NJDEP/NJIB's comments on the Draft Final Construction Documents, if any. Two (2) sets of hard-copy Bid-Ready Construction Documents will be reproduced by VCEA and provided to LBSA, in addition to electronic copies of same.

Phase 4.0 – Permitting

As part of this Phase of the Work, VCEA will obtain the necessary permits for the construction of the Work. The permits to be obtained are as follows:

Task 4.1 - NJDEP Treatment Works Approval Permitting

The majority of the Work contemplated by this project does not require TWA permitting due to in-kind replacement of equipment and piping being exempted in accordance N.J.A.C. 7:14A-22.4. It is also assumed, at this time, that the sewers to be replaced convey less than 8,000 gallons per day (gpd). Accordingly, only the Work concerning the replacement of the emergency effluent pumps and the bypass piping associated therewith appear to be subject to TWA permitting, especially considering the likely increase in pump capacity. Should it be determined that the sewer lines to be replaced do convey more than 8,000 gpd, VCEA will include this Work in the TWA permitting process.

The TWA application will be accompanied by all required mapping, calculations, reports, and associated information required for a complete application submission. The application will be executed by a professional engineer in the State of New Jersey.

The permit application will include:

- Treatment Works Approval Permit Application (TWA-1), signed and sealed;
- Engineer's Report for Sewer System form WQM-006A, signed and sealed;
- Cost Estimate, signed and sealed;
- USGS Quadrangle Map with site shown;
- Copies of Notification to local Environmental and Planning Commissions via CMRRR with receipts;
- Engineer's Report, signed and sealed, specifically inclusive of soil logs, soil suitability determinations, permeability testing results, and all relevant soils and hydrogeologic information demonstrating compliance with the regulations;
- Technical Specifications, signed and sealed;
- Plans, signed and sealed; and
- Resolutions from appropriate approval agencies.

The NJDEP minimum project review fee of $850 is NOT included in VCEA's proposed scope of work/fees. The TWA Permit Fee, based upon the estimated cost of construction and as confirmed by NJDEP after review, is similarly NOT included in VCEA's proposed scope of work/fees.

Task 4.2 – Soil Erosion & Sediment Control Permitting

It is anticipated that the sewer replacement work will necessitate obtaining a Soil Erosion & Sediment Control Permit from the Freehold Soil Conservation District. The Construction Documents will contain the necessary plans and details and VCEA will submit the permit application package, with the requisite sets of Construction Documents, to the District. Permit fees, however, are NOT included in VCEA's proposed scope of work/fees.

Phase 5.0 – Design Phase Administration

Task 5.1 Design Phase Meetings

VCEA will attend and, as appropriate, facilitate/lead meetings during the design phase. A meeting agenda will be prepared and minutes provided for each meeting. The following meetings are anticipated during this phase:

- Progress meeting approximately mid-way through preliminary design;
- Meeting to discuss the draft PDR;
- Meeting to discuss the 60% complete Construction Documents; and,
- Meeting to discuss NJDEP/NJIB items or other technical issues that may arise during final design.

Accordingly, a total of four (4) meetings have been assumed (exclusive of meetings anticipated in other phases).

Task 5.2 Design Phase Project Administration & QA/QC

Under this task, VCEA will perform the customary activities necessary for proper project administration and the successful completion of all tasks. Some of these tasks include:

- Provide general consultation with LBSA, NJDEP/NJIB, and other VCEA teams advancing the project regarding status, technical issues, regulatory issues, and information needs;
- Provide communication and correspondence as appropriate and otherwise necessary;
- Perform the internal project administrative functions required to effectively manage the design phase, such as monitor progress, schedule, budget, and staff resource allocation; and,
- Perform QA/QC reviews of all deliverables.

Phase 6.0 – Bidding Assistance

Task 6.1 Distribution of Documents

Van Cleef will assist the Borough with publicly advertising the project by providing the Borough with the Notice to Bidders for advertisement in the local legal newspaper (for required public notice), and through our Bidset.com online advertisement portal for better exposure and competition. Documents will be procured from and distributed to potential bidders, and tracked accordingly, via our Bidset.com online portal. Please also see Task 1.9, as an Authorization to Advertise will be required from NJDEP/NJIB.

Task 6.2 Pre-Bid Conference & Site Visit

VCEA will prepare for and lead a single pre-bid conference and site visit for prospective bidders. VCEA's Project Manager will attend and facilitate this meeting, which will be scheduled for approximately the mid-point of the bidding period. VCEA will respond if/as appropriate to any significant issues raised in writing pursuant to the meeting.

Task 6.3 Clarification and Addenda

VCEA will receive and appropriately respond to questions tendered in writing by prospective bidders. It is assumed that VCEA will prepare one (1) Addendum to address, in writing, the questions duly tendered by

prospective bidders, inclusive of all changes to the Contract Documents consequent to same. Draft addenda will be submitted to LBSA for review and will also be submitted to NJDEP for approval, as is required by the NJEIFP. Upon approval, VCEA will distribute same to prospective bidders.

Task 6.4 Bid Opening, Analysis and Recommendation

VCEA will be present at the bid opening and will prepare a tabulation of the bids received. VCEA will evaluate the bid of the apparent low bidder. It is assumed that LBSA's counsel will also review the bid of the apparent low bidder. Upon completion of review by both VCEA and LBSA's counsel, VCEA will prepare a letter with its recommendation regarding award.

Phase 7.0 – Post-Bid Services

Task 7.1 Contract Award

In accordance with Task 1.10, VCEA will upload required documents related to the bid process and award of the Construction Contract to the NJIB portal and coordinate and provide information necessary leading to the issuance of an Authorization to Award the Construction Contract from NJDEP/NJIB. Ultimately, VCEA will provide a Notice of Award to the Contractor on behalf of LBSA.

VCEA will provide an appropriate number of signed and sealed sets of Contract Documents with all Addenda as needed for contract execution and record. It is anticipated that 3 (three) sets will be required, one each for LBSA, the Contractor, and NJDEP/NJIB. VCEA will ensure all Contracts are executed and processed appropriately and distributed accordingly.

Task 7.2 Conformed Documents

VCEA will provide an appropriate number of signed and sealed final, conformed Contract Documents that incorporate all changes made via Addendum (if any). Conformed documents shall clearly indicate both "Conformed" and "Issued for Construction". It is assumed that a total of 5 (five) sets will be provided, one each for the Contractor, VCEA, and NJDEP, and 2 (two) for LBSA.

Task 7.3 Pre-Construction Meeting

VCEA will coordinate and lead a Pre-Construction Meeting with the Contractor, LBSA, NJDEP, and, if they choose to participate, both NJIB and the NJ Office of Equal Opportunity Employment. VCEA will provide an agenda, inclusive of agenda items for State attendees, and will issue meeting minutes. It is anticipated that VCEA will issue the Contractor's Notice to Proceed concurrent with the Pre-Construction Meeting.

Phase 8.0 – Construction Services

VCEA will work to ensure construction is successfully implemented and closed out while ensuring construction-phase requirements of the NJEIFP are appropriately satisfied. The tasks associated with this Phase are as follows:

Task 8.1 Construction Observation & Field Administration

VCEA will provide construction observation services to monitor the Contractor's progress and compliance with the Contract Documents. Specific activities include the following:

- Conduct on-site observations with corresponding log notes. Please also see subsequent delineation of anticipated on-site observation effort.

- Conduct brief weekly construction look-ahead meetings.
- Review monthly payment requests, including the final payment request.
- Actively participate in the resolution of issues involving unforeseen field conditions and construction difficulties.
- Review materials delivered to the site according to approved submittals.
- Confirm that insurance certificates have been received for all subcontractors working on site and that they have not expired while the subcontractor is on site.
- Facilitate communication with local officials, utility companies, NJDEP, and other regulatory agencies.
- Facilitate communication with LBSA and coordinate Contractor's activities while ensuring a minimum of disruption to operations
- Perform field interviews of Contractor's personnel for Davis-Bacon Act compliance.
- Monitor red-line markups of contract drawings for record drawings prepared by the Contractor.
- Monitor checkout, testing and startup of equipment and systems.
- Coordinate and monitor the quality of manufacturer-provided training of the LBSA's personnel.
- Prepare and update punchlists of remaining work items.
- Evaluate substantial and final completion and recommend issue of certificates of substantial or final completion as appropriate.

Many of the above tasks are in concert with or supplemental to tasks included under subsequent Task 7.6 – Construction Project Administration. Please also note, in VCEA's performance of construction observation services, VCEA will not be responsible for the Contractor's means, methods, or techniques, nor for the Contractor's safety procedures or practices.

For the purposes of estimating the level of effort under this task, it has been assumed that: (1) the Contractor's on-site activities will not begin until approximately 8 (eight) weeks after issuance of the Notice to Proceed, i.e. not until approved materials and equipment begin to arrive on-site; and (2) for the remainder of the construction period, construction observation will occur on a varying full time and a part time basis, depending upon the nature of on-site construction activities. VCEA's objective will be to minimize engineering fees by only providing full time observation when the Contractor is actively working on the site.

While subject to review and adjustment during design, VCEA currently anticipates a 16-month Contract Time (roughly 70 weeks). This is based on current and projected material/equipment lead times.

Based on the above premise, it is assumed that the Resident Project Representative and/or inspection staff: (1) will not be on site for the first 8 (eight) calendar weeks; (2) will be on site 40% of the time for 8 (eight) calendar weeks, representing 16 hours/week; (3) will be on site 60% of the time for 12 (twelve) calendar weeks, representing 24 hours/week; and (4) will be on site 100% of the time for 42 (forty-two) calendar weeks, representing 40 hours/week. Based on a 5-day/40-hour work week, ***these assumptions result in a projected effort of 2,096 hours.***

In the performance of these duties, VCEA will utilize both our Resident Project Representative and the complementary efforts of seasoned construction inspection staff. It is also important to note that our intended Resident Project Representative is normally based out of our Toms River, NJ, office and, as such, is

poised to be extremely responsive to both LBSA and the Contractor as the project progresses and will be able to be on-site quickly should an unanticipated need arise.

Task 8.2 Submittal Review & Processing

The objective of this task is to review shop drawings and other submittals as required to evaluate that the proposed materials and equipment conform to the Contract Documents.

VCEA will maintain a log of all submittals indicating the date received, date transmitted to the reviewer, the date returned to the contractor and the action code. VCEA's review time will generally be limited to two weeks following receipt from the Contractor except for: 1) the review of submittals from manufacturers not named in the Specifications; or 2) the review of certain complex submittals. VCEA will cooperate with the Contractor to expedite the review of time sensitive, critical path submittals.

Each submittal will be coded with one of the following action codes:

1. No exceptions taken
2. Make corrections noted (no re-submittal required)
3. Revise and resubmit
4. Rejected
5. Noted – No Action required

For developing the level of effort required, based on our anticipated set of Construction Documents, VCEA has assumed that up to 50 (fifty) initial submittals and 16 (sixty) re-submittals will require review. It is anticipated that the submittal for the digester covers will be technically extensive.

Please note that the required effort can vary depending upon a number of factors, such as the quality and thoroughness of the Contractor's submittals or the percentage of items that are by specified manufacturers versus "or equal" items.

Task 8.3 Clarifications and Interpretations

In this task, VCEA will review and provide written responses to Contractor requests for information, clarification, or interpretation (RFI's), and will maintain a log of all RFI's, indicating the dates received and the dates of response. VCEA will make all reasonable efforts to review and respond to all RFI's within 7 (seven) days of receipt.

For projects of this nature, the level of effort required under this task is typically determined by assuming that an average of 1 (one) RFI will be received per every 2 (two) contract drawings. Based on VCEA's experience with similar projects, such an assumption would be appropriate for this project, and, accordingly, it is anticipated that up to 16 (sixteen) RFI's will be received and require a response.

Task 8.4 Change Order Assistance

During the course of any construction project, there is always the potential for a Change Order to become necessary. Under this task, VCEA will review Potential Change Orders (PCOs) and negotiate and process final Change Orders by performing the following activities:

- Maintain a log of all PCOs and change orders along with dates, amounts and status.
- Review and evaluate PCOs and advise LBSA of their merit.

- Review and negotiate change order cost proposals.
- Prepare Change Orders for LBSA for submission to NJDEP, inclusive of NJDEP Contract Modification Proposal and Acceptance Form CCS-002.
- Coordinate with and provide additional information to NJDEP as necessary to obtain approval.

It is assumed that, as appropriate, multiple smaller PCO's, once agreed-upon by LBSA, will be aggregated into a single Change Order as may be appropriate to facilitate processing and reduce the administrative burden.

To estimate the level of effort required under this task, it is assumed that VCEA will review up to 10 (ten) PCOs and will prepare and process 3 (three) Change Orders.

Task 8.5 Meetings and Site Visits

In addition to the weekly coordination meetings conducted by VCEA's Resident Project Representative (RPR)/lead inspector as part of Task 7.1, VCEA's Project Manager will also arrange and lead monthly construction progress meetings. VCEA will prepare an agenda for each meeting and will prepare and distribute minutes following each meeting.

It is also anticipated that VCEA's Project Manager, from time-to-time, on an as-needed basis, will attend meetings of the LBSA Board to present possible Change Orders, provide project updates, or otherwise be available to answer questions or discuss issues related to the project.

Additionally, it is anticipated that VCEA's Project Manager and/or other technical staff will need to make periodic site visits to assist VCEA's RPR in addressing issues that may arise during the course of construction. Similarly, site visits will be required specifically for the checkout, start-up, and testing of equipment and systems.

Accordingly, VCEA has assumed the following:

- 15 monthly construction progress meetings;
- 2 meetings of the LBSA Commissioners;
- 20 site visits by the Project Manager or other appropriate technical staff; and,
- 10 on-site observation days specifically for the checkout, testing, and startup of equipment and systems.

Task 8.6 Construction Project Administration

In general, VCEA will perform the customary activities necessary for proper administration of the construction project. Some of these tasks include:

- Provide general communication with LBSA and the Contractor throughout the duration of construction regarding such issues as progress, submittal status, construction challenges and their resolution.
- Review the Contractor's monthly payment requests, including final payment requests, and prepare the NJIB packages for payment/reimbursement.
- Assist LBSA with SED requirements.
- Provide communication and correspondence with NJDEP and NJIB as required.

- Maintain project files as required for periodic inspection by NJDEP.
- Effectively manage the project team and coordinate the activities of the office staff with the Resident Project Representative.
- Perform the internal project administrative functions required to effectively manage the project, such as budget control and staff resource allocation.
- Maintain quality assurance and quality control.
- Prepare monthly invoices.
- Prepare reports and information as may otherwise be requested by LBSA.

Task 8.7 Record Drawings & Operation and Maintenance Manuals

At the completion of construction, VCEA will review the red-line markups/drawings provided by the Contractor. VCEA will then prepare Record Drawings in a format acceptable to LBSA.

VCEA will also aggregate all Operation & Maintenance manuals and similar data as provided by the Contractor and provide same to LBSA for their use and records.

Task 8.8 Post-Completion Support

NJDEP/NJIB requires a 1-year post-completion inspection of the project. Proximate to 1-year post completion, VCEA will coordinate with LBSA and will perform a visual inspection of the Work and subsequently prepare a memorandum of our findings, which will satisfy the NJDEP certification requirement as well as ensure any latent defects that present during the first one-year period are addressed by the Contractor.

Also under this task, VCEA will provide on-call operational support and assistance to LBSA for a period of 12 (twelve) months after issuance of final payment to the Contractor. During this time, VCEA will respond to requests from LBSA for troubleshooting operations, reviewing the operation of installed components with LBSA operations personnel, investigating potential defects and facilitating correction by the Contractor, and similar consultation related to the operation of the equipment and systems installed under the project. For these efforts, VCEA has assumed the following:

- The equivalent of 2 days (16 hours) for general operations consultation/support;
- The equivalent of 2 days (16 hours) for investigating potential defects and facilitating correction by the Contractor; and,
- The equivalent of 1 day (8 hours) for the 1-year post-completion inspection and issuance of our memorandum of findings.

SECTION 3

Schedule of Fees

For your convenience, we have broken down the total estimated cost of the project into the phases and tasks presented in the Scope of Services.

Phase 1.0 – Planning & Funding Phase Services		
Task 1.1	Pre-Planning Meeting and Letter of Intent	$2,400.00
Task 1.2	Prepare Facilities/Environmental Assessment Report	$8,500.00
Task 1.3	Prepare Project Loan Application	$3,400.00
Task 1.4	Design Loan Assistance	$3,100.00
Task 1.5	Submit Design Documents to NJDEP	$500.00
Task 1.6	Prepare SED Utilization Plan	$2,400.00
Task 1.7	Respond to NJDEP Review Comments	$2,000.00
Task 1.8	Coordinate with Bond Counsel	$700.00
Task 1.9	Authorization to Advertise	$500.00
Task 1.10	Authorization to Award	$500.00
	Subtotal Planning & Funding Phase Fees	***$24,000.00***
Phase 2.0 – Preliminary Design		
Task 2.1	Preliminary Process/Mechanical Design	$34,200.00
Task 2.2	Preliminary Civil/Site Design	$22,400.00
Task 2.3	Preliminary Structural Design	$2,000.00
Task 2.4	Preliminary Instrumentation & Control Design	$15,500.00
Task 2.5	Preliminary Electrical Design	$20,500.00
Task 2.6	Preliminary Opinion of Probable Construction Cost	$4,400.00
Task 2.7	Draft Preliminary Design Report	$15,700.00
Task 2.8	Preliminary Design Report (Final)	$6,100.00
	Subtotal Preliminary Design Fees	***$120,800.00***
Phase 3.0 – Final Design		
Task 3.1	Prepare Draft Drawings/Specifications for Review	$41,900.00
Task 3.2	Final Opinion of Probable Construction Cost	$4,100.00
Task 3.3	Engineer's Report	$4,800.00
Task 3.4	Bid-Ready Construction Documents	$32,600.00
	Subtotal Final Design Fees	***$83,400.00***
Phase 4.0 – Permitting		
Task 4.1	NJDEP TWA Permitting	$5,600.00
Task 4.2	Soil Erosion & Sediment Control	$900.00
	Subtotal Permitting Fees	***$6,500.00***

Phase 5.0 – Design Phase Administration		
Task 5.1	Design Phase Meetings	$12,500.00
Task 5.2	Design Phase Project Administration & QA/QC	$10,600.00
Task 5.3	Design Phase Reimbursables (Allowance)	$5,000.00
	Subtotal Design Phase Administration Fees	***$28,100.00***
Phase 6.0 – Bidding Assistance		
Task 6.1	Distribution of Documents	$1,000.00
Task 6.2	Pre-Bid Conference & Site Visit	$3,100.00
Task 6.3	Clarification and Addenda	$3,100.00
Task 6.4	Bid Opening, Analysis, and Recommendation	$4,700.00
	Subtotal Bidding Assistance Fees	***$11,900.00***
Phase 7.0 – Post-Bid Services		
Task 7.1	Contract Award	$1,000.00
Task 7.2	Conformed Documents	$1,300.00
Task 7.3	Pre-Construction Meeting	$3,100.00
	Subtotal Post-Bid Services Fees	***$5,400.00***
Phase 8.0 – Construction Services		
Task 8.1	Construction Observation & Field Administration	$321,000.00
Task 8.2	Submittal Review & Processing	$30,000.00
Task 8.3	Clarifications and Interpretations	$8,800.00
Task 8.4	Change Order Assistance	$11,600.00
Task 8.5	Meetings and Site Visits	$34,500.00
Task 8.6	Construction Project Administration	$3,500.00
Task 8.7	Record Drawings & Operation and Maintenance Manuals	$10,200.00
Task 8.8	Post-Completion Support	$6,800.00
	Subtotal Construction Services Fees	***$426,400.00***
	TOTAL NOT-TO-EXCEED FEE	**$706,500.00**

The total not-to-exceed fee of **$706,500.00** would not be exceeded without written authorization from LBSA.

Services will be billed monthly on an as-incurred time and material basis, plus reimbursable expenses, in accordance with the schedule of rates in effect at the time services are rendered. For 2025, the rates in effect are included with this proposal and are as approved by LBSA in accordance with our status as a Special Projects Engineer for the Authority.

Preliminary Opinion of Order of Magnitude Construction Cost

It is recognized that a preliminary opinion on the probable cost of construction can be useful to the Authority, both to set expectations with regard to the total amount of funding that will be required as well as to offer a baseline for fee metrics (kindly see subsequent discussion). To this end, we offer the following preliminary opinion with regard to anticipated order-of-magnitude construction costs:

Item	Cost
Digester Cover Removal and Replacement Two (2) 32'-dia. Digesters @ $400,000/each Two (2) 36'-dia. Digesters @ $500,000/each	$1,800,000.00
Digester Emptying and Cleaning Two (2) 32'-dia. Digesters @ ~262,000 gallons/each Two (2) 36'-dia. Digesters @ ~337,000 gallons/each	$950,000.00
Digester Interior Repairs & Components Replacement Allowance @ $75,000/digester	$300,000.00
Emergency Effluent Pump Replacement & Piping Bypass	$700,000.00
Sewer Main & Lateral Replacements, incl. Resurfacing Sixth Avenue (concrete roadway) - $900,000 Slocum Place - $585,000 West End Avenue - $780,000 Westwood Avenue - $760,000	$3,025,000.00
Electrical (including upgrades and resiliency)	$1,250,000.00
SCADA/Controls	$450,000.00
Allowance for Unforseen Conditions & Owner-Requested Additional Work	$200,000.00
Subtotal	*$8,675,000.00*
Contingency @ 10%*	$867,500.00
Hard Construction Subtotal including Contingency	*$9,542,500.00*
Escalation to 2027 construction timeframe @ ~4%/year	$750,000.00
Escalated Hard Construction Subtotal	***$10,242,500.00***
Combined Overhead & Profit @ 20% (10+10)	Included in OOM costs
Total Anticipated OOM Construction Cost	**$10,250,000.00+**

* Contingency included is appropriate to the current concept stage of design. It is important to note that NJIB will require a 5% contingency upon approval of interim construction financing.

+ slightly rounded for convenience

Fee Metrics

Referencing the above preliminary opinion of order-of-magnitude construction cost of approximately $10,250,000.00, this provides the basis for the following metrics:

Design Fees:

total design fees (Phase 2.0+3.0+4.0+5.0+6.0)	$250,700 or 2.45% of construction

Planning + Design Fees:

total planning + design fees (Phases 1.0 – 6.0)	$274,700 or 2.68% of construction
compared to:	
NJIB allowable fees for planning + design per N.J.A.C. 7:22-5.12 is formulaic - $250,000 + 12% of construction cost over $1M =	$1,360,000.00 (13.27% of construction)

Construction Phase Fees:

total construction phase fee (Phase 7.0+8.0)	$431,800 or 4.21% of construction
compared to:	
NJIB benchmark for construction phase fees	12% of construction = $1,230,000.00

Total Fees:

total not-to-exceed fee (ALL phases)	$706,500 or 6.89% of construction
compared to:	
NJIB allowable + target (total)	$2,590,000 or 25.27% of const.

VCEA's proposed fees appear to be well below thresholds set, both formally and informally, by the NJIB. They are similarly well below customary industry benchmarks for these kinds of professional services, which commonly afford 12%-15% of construction for both design and construction phase services. Regardless of metrics, VCEA continuously works to optimize efforts and realize efficiencies wherever possible.

Project Labor Allocation

A complete breakdown of the project labor allocation for each team member (exclusive of subconsultant labor for electrical/instrumentation/controls) is included for your use and reference.

Exclusions and Understandings

The efforts, and resulting cost, for this work are limited only to the Tasks expressly delineated in this Proposal. Should additional services or efforts beyond those contemplated by this Proposal become necessary or otherwise requested by LBSA, VCEA will prepare an Addendum, for LBSA's review and authorization, outlining the scope of additional services and the professional fees associated with same.

VAN CLEEF ENGINEERING ASSOCIATES

PROPOSAL FOR: Long Branch Sewerage Authority

Task	Principal Engineer	Supervising Professional Engineer	Professional Engineer	Professional Engineer	Inspection
Phase 1.0 - Planning & Funding					
1.1 - Pre-Planning & Letter of Intent	2		4	8	
1.2 - Facilities/Env. Assessment Report	2		16	32	
1.3 - Project Loan Application			4	16	
1.4 - Design Loan Assistance	2		8	8	
1.5 - Submit Design Documents to NJDEP			1	2	
1.6 - SED Utilization Plan	2		4	8	
1.7 - Respond to NJDEP Review Requirements			4	8	
1.8 - Coordinate with Bond Counsel			2	2	
1.9 - Authorization to Advertise			1	2	
1.10 - Authorization to Award			1	2	
Subtotal Hours (or sub cost)	8	0	45	88	0
Phase 2.0 - Preliminary Design					
2.1 - Preliminary Process/Mechanical Design	32	8	40	120	
2.2 - Preliminary Civil Design	8	4	40	80	
2.3 - Preliminary Structural Design	4		4	4	
2.4 - Preliminary I&C Design	8		8	16	
2.5 - Preliminary Electrical Design	8		8	16	
2.6 - Preliminary OPCC	2		8	16	
2.7 - Draft Preliminary Design Report	8	4	40	40	
2.8 - Final PDR	4		16	16	
Subtotal Hours (or sub cost)	74	16	164	308	
Phase 3.0 - Final Design					
3.1 - Draft Drawings/Specifications	16	8	40	64	
3.2 - Final OPCC	4		4	16	
3.3 - Engineer's Report	2	2	8	16	
3.4 - Bid-Ready Construction Documents	8	4	32	40	
Subtotal Hours	30	14	84	136	
Phase 4.0 - Permitting					
4.1 - TWA	1		8	24	
4.2 - Soil Erosion & Sediment Control	0		1	4	
Subtotal Hours	1	0	9	28	
Phase 5.0 - Design Phase Administration					
4.1- Meetings	24		24	24	
4.2 - Project Management & QA/QC	32	8	16	4	
4.3 - Reimbursables					
Subtotal Hours	56	8	40	28	
Phase 6.0 - Bidding Assistance					
6.1 - Distribution of Documents			4	2	
6.2 - Pre-Bid Conference & Site Visit	6		6	6	
6.3 - Clarification and Addenda	2		8	8	
6.4 - Bid Opening Analysis & Recommendation	1		2	4	
Subtotal Hours	9	0	20	20	
Phase 7.0 - Post-Bid Services					
7.1 - Contract Award			2	4	
7.2 - Conformed Documents			4	4	
7.3 - Pre-Construction Meeting	6		6	6	
Subtotal Hours	6	0	12	14	
Phase 8.0 - Construction Services					
8.1 - Construction Observation & Field Administration			24	24	2096
8.2 - Submittal Review & Processing	16		80	80	
8.3 - Clarification & Interpretations	4		16	32	
8.4 - Change Order Assistance	4		24	40	
8.5 - Meetings and Site Visits	60		60	80	
8.6 - Construction Project Administration	8		8	4	
8.7 - Record Drawings & O&M Manuals	4		16	40	
8.8 - Post-Completion Support			24	16	
Subtotal Hours	96	0	252	316	2096
TOTAL ESTIMATED HOURS	280	38	626	938	2096

SECTION 4

Project Schedule

VCEA will execute the Scope of Services in as expeditious a manner as possible. We are poised to devote the necessary personnel and resources to commence work immediately upon authorization by LBSA.

Please also note that VCEA will remain flexible and work with LBSA with regard to the timing of its services in the event any effort is required to coordinate with the availability of funds, at the discretion and direction of LBSA.

As a planning tool, excepting any requested modifications to project timing per the above, VCEA anticipates achieving the schedule milestones listed below, with any approximate dates indicated predicated upon a possible authorization to proceed at LBSA's meeting on September 17, 2025.

- Pre-planning meeting with NJDEP and NJEIT/NJIB within approx. 2 months (***November 2025***)
- Submit the draft Preliminary Design Report within 5 months after being authorized to proceed (***February 2026***) (recognizing end of year holidays)
- Meet with LBSA to discuss the draft PDR 2 weeks after its submission and submit the final PDR within 1 month after meeting/receipt of comments (***March 2026***)
- Submit the Letter of Intent and Facilities/Environmental Assessment Report to NJEIFP within 1 month of finalizing the PDR (***April 2026***)
- Submit the 60% complete drawings and specifications for review within 3 months of finalizing the PDR (***June 2026***)
- Meet with LBSA to discuss the 60% documents 1 week after its submission (***June 2026***)
- Submit 100% complete drawings and specifications for review within 2 months following the meeting to discuss the 60% complete documents (***August 2026***)
- Submit Bid-Ready Construction Documents and the complete Design Document Submission to NJEIFP within 2 weeks of submitting 100% complete documents to LBSA (***September 2026***)
- Receive Authorization to Advertise from NJDEP within 2 weeks of Design Document Submission and advertise for bids (***October 2026***)
- Pre-Bid Conference & Site Visit within 2 weeks of advertising for bids (***October 2026***)
- Receive bids and pursue LBSA award and NJDEP Authorization to Award for next regularly-scheduled Authority meeting (***November 2026***)
- Pre-Construction Meeting and Notice to Proceed to Contractor within 2 weeks of award (***December 2026***)
- 16-month Construction Contract Time (***April 2028***)
- 1-year Post-Completion Inspection and NJDEP/NJIB Certification (***April 2029***)

Please note that the loan application process to the NJIB is largely on a rolling basis. Form submissions, etc., necessary for that program will be completed and uploaded in an appropriate and timely manner to enable the hard submissions indicated in the schedule above and ensure that the loan process advances as necessary to support the overall project schedule.

SECTION 5

STAFF ORGANIZATION CHART

Thomas Roguski, PE, CME
Executive Director

Project Principal
Mark A. Bean, PE, CGP, LEED AP, FIGP
Vice President, Water/Wastewater

LBSA
LONG BRANCH SEWERAGE AUTHORITY

Construction Inspection

Timothy O'Donnell
Francesco Iemma
Stephen McCutcheon

Surveying

Joseph Canada, PLS
Jeffrey McCall, PLS

Geotechnical

William Mercurio, PE

Water/Wastewater

John Berens, PE
Mark Bahnick, PE
Nicholas Brown, PE
Tyler Evans, PE
George Papamakariou, PE
Jeremy Edinger, PE, CME

Asset Management, Planning, & Geographic Information Systems

Irene Battaglia, PE
Mason Herrman, GISP

Design/CADD

Charles Applegate
Julianne Kalksma
Thomas Petzold

Operations

Christopher Jepson, PE, LO

Van Cleef
ENGINEERING WITH FOCUS

SUMMARY OF KEY STAFF

Van Cleef is pleased to provide the Authority with an experienced team of highly qualified individuals to perform all professional services required. Below is a brief description of the key staff assigned to be Task Leaders in the various disciplines within the firm. Detailed resumes of each named individual are also included to summarize the qualifications and experience the firm will provide.

Mark A. Bean, PE, CGP, LEED AP, FIGP - Mr. Bean will serve as Project Principal and manage all services needed in a cost effective and timely manner. Mr. Bean has more than 3 decades of diverse facility-intensive planning, design, and construction management experience. He has extensive expertise in wastewater treatment and in the design and construction of wastewater infrastructure. He brings a robust skill set that encompasses many complementary disciplines, including site engineering, environmental compliance, stormwater, water treatment and distribution, and the complete delivery of ground-up facilities. He has a demonstrated track record of successful delivery of technically challenging projects in wastewater infrastructure; project, program, and construction management; water, stormwater, and waste treatment; and site and facility environmental characterization, remediation, and preparation.

Mr. Bean will be supported by the following key staff:

John Berens, P.E. – Mr. Berens has more than 47 years experience in the engineering profession, specializing in the water and wastewater field. Mr. Berens has extensive experience in all project phases from system evaluation and studies through design and construction for projects, including inflow/infiltration and sewer system evaluation studies and reports; water system analyses, water supply, treatment, storage and distribution system design and rehabilitation, wastewater collection, treatment and pump station design and rehabilitation.

Mark A. Bahnick, P.E. – Mr. Bahnick is a Principal Engineer of the Firm with over 30 years of experience in the planning, design and construction of numerous public and private projects throughout Pennsylvania and New Jersey. Mr Bahnick is responsible for client relations and overall management of all projects. His responsibilities include project planning and scheduling, identifying project constraints, financial analysis and assisting clients in obtaining required approvals. He also manages design teams involved in developing initial concepts, obtaining regulatory approvals and preparing detailed plans and specifications Mr. Bahnick is responsible for construction management services including, shop drawing approval, and resolution of construction conflicts Mr. Bahnick's design experience includes overall project management from initiation to completion.

Nicholas Brown, PE, CME – Mr. Brown has provided engineering services for a wide variety of water, wastewater, and municipal engineering projects including design and preparation of plans, specifications, cost estimates, hydraulic modelling, and permitting. He has provided geotechnical services, construction observation, and construction phase engineering services for numerous wastewater treatment plants, wastewater pump stations, process equipment, sanitary force mains, sanitary gravity sewers, water mains, and water supply wells, as well as state, county, and municipal roadway construction projects.

Tyler B. Evans, PE – Mr. Evans is a Professional Environmental Engineer licensed in the Commonwealth of Pennsylvania, the State of New Jersey and the State of Connecticut. Mr. Evans has over eight (8) years of experience in capital planning, design, review, and construction management of public and private water and wastewater projects.

Christopher B. Jepson, P.E., L.O. – Mr. Jepson has more than 40 years of experience in municipal wastewater/water operations. His knowledge of biological and chemical processes and alternatives in the wastewater field is augmented by his practical experience operating wastewater/water treatment plants and their laboratories. Mr. Jepson has experience in design and operations criteria for collection systems; treatment plants; water distribution systems; wells; and surface water treatment facilities.

Jeremy J. Edinger, PE, CME—Mr. Edinger's responsibilities have been focused in the area of municipal engineering, infrastructure, and utility engineering. His experience spans the complete lifecycle of projects, from field reconnaissance to assisting with layout and design, to the preparation of construction plans using computer-aided design software and the preparation of contract specifications and permit applications necessary at local, county and state approvals, to

administration and construction inspection. He has assisted with the planning and design of water and wastewater treatment systems, rehabilitation of water supply wells, gravity sewer mains, municipal roadway construction and resurfacing projects, coastal engineering, recreational improvements, and various special projects.

Joseph Canada, P.L.S. - Mr. Canada has over 20 years of diverse Land Surveying experience for a variety of private and municipal projects. He is a graduate of the New Jersey Institue of Technology with a Bachelor of Science degree in Land Surveying. His Surveying experience has enabled him to become an expert in property line resolution, record research and construction services. He also has experience using drone technology in acquiring field data to use for various design and right of way projects.

George Papamakariou II, PE—Mr. Papamakariou primarily works on Municipal Engineering and Water/Wastewater Engineering projects. His experience includes construction plan design & specification preparation, AutoCad drafting, engineering cost estimates, engineering inspection, shop drawing reviews, and construction project management. Projects he has been involved include roadway reconstruction & drainage, pump station design, sanitary sewer rehabilitation & design, water main design/relocation, well redevelopment, beach/waterfront improvements, NJDOT/CAFRA Applications, and Land Development.

Julianne Kalksma, EIT – Julianne Kalksma serves as a Project Designer, and has acquired experience in municipal engineering, water/wastewater engineering, and the planning board review process. Her responsibilities have included preparing grant/loan applications, drafting, reviewing plot plan and variance plan applications, preparing permit plans, and bid review. Prior to her position at Van Cleef, Julianne was a research assistant for the University of Hawaii monitoring beach erosion, and previously had internship experience in a variety of engineering fields.

Timothy B. O'Donnell - Mr. O'Donnell has 20 years' experience in municipal engineering and has served as an inspector on numerous projects. Mr. O'Donnell is experienced in "no dig" sewer rehabilitation work, pipe excavation installation work for water, sewer and storm sewers, pump station upgrades, and road reconstruction work.

Francesco Iemma – Mr. Iemma serves as a Senior Construction Observer who has seventeen years of experience in outside plant work, where he has designed components for various fiber into the premises sites, PV installations across the northeast, telecommunications projects and transportation assignments. Along with the design work that these projects have involved, Mr Iemma has also performed traffic studies, site surveys of existing site conditions soil borings, site inspections, foundation observations, as built site walks and basic operations for water management work Mr Iemma has also coordinated with various Counties throughout New Jersey, as well as numerous utility companies regarding application submittals and approvals.

Stephen McCutcheon – Mr. McCutcheon has over 40 years of consistent, progressive constructive management and inspection experience within both private and municipal roadway/utility projects as well as excavation and historical restoration/preservation. He is an NJSAT Certified Asphalt Paving Construction Technologist, and a member of the American Concrete Institute, New Jersey Chapter. Mr. McCutcheon has exceptional qualifications in strategic planning with comprehensive knowledge of management, strong organizational attributes, and project execution.

Irene K. Battaglia – As a Senior Engineering Analyst with the firm, Ms. Battaglia provides municipal engineering design, analysis, regulatory compliance, and support services. She holds a B.S. in Civil Engineering from Lehigh University and an M.S. in Civil Engineering from the University of Wisconsin-Madison.

Mason Herrman, GISP (Geospatial Manager) – Mr. Herrman has provided GIS support for 78 municipalities as well as a multitude of private clients throughout New Jersey and Pennsylvania. His expertise in GIS has been a keystone in Van Cleef's Professional Planning department; providing spatial analysis, mapping, and statistics for every municipality Van Cleef offers planning services to. These projects include, Master Plan Reexamination Reports, Hazard Vulnerability Plans, Area in Need of Redevelopment Plans, Highlands Assessments, etc. Mason and his team also received American Planning Association (NJ) 2020 Outstanding Plan Award for their Circulation Plan – Bike and Pedestrian Safety.

SECTION 6

Proposal Acceptance

Long Branch Sewerage Authority
2025 WWTP and Collection System Capital Improvements
VCEA Project/Proposal No. 25128

If you find this proposal acceptable, please sign where indicated below and return one signed copy to this office. This proposal is valid until October 31, 2025.

Form of Agreement

After award by LBSA, VCEA will submit a draft Engineering Services Agreement to LBSA for review. This Agreement will be of a form that will be acceptable to the NJIB for their Design Loan Program and will similarly provide for business terms and conditions that are reasonably in conformance with LBSA standard terms and conditions. Once the Agreement is fully executed, it will be submitted to the NJIB as required.

Proposal Acceptance

I hereby declare that I am duly authorized to sign binding contractual documents. I also declare that I have read, understand, and accept this Proposal.

_____	_____
Signature	Date
_____	_____
Printed Name	Title

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

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Engineering & Design

RECEIVED
SEP 10 2025
L.B. SEWERAGE AUTHORITY

September 10, 2025

VIA EMAIL

Thomas Roguski, P.E., CME, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 720
Long Branch, New Jersey 07740

LB648, LLC
648 Second Avenue
Block 93, Lots 1
City of Long Branch, Monmouth County, New Jersey
Colliers Engineering & Design Project No. LBS-0356

Dear Mr. Roguski,

Please be advised that I have received and reviewed documents submitted by L2A Land Design, LLC. for Long Branch Sewerage Authority (LBSA) Sanitary Sewer Application Approval, as follows:

- LBSA Form A, Application for Conceptual Review;
- Plans entitled, "Preliminary and Final Major Site Plan for Proposed Mixed-Use Building, 648 Second Avenue", signed by Michael E. Dipple, P.E. of L2A Land Design, dated March 19, 2021, and last revised October 29, 2024;
- Engineer's Sewer Report entitled, "Application for Sewer Connection, Engineer's Report and Technical Specifications", signed by Michael E. Dipple, P.E. of L2A Land Design, dated October 29, 2024;
- USGS Quad Map with Project Location; and,
- City of Long Branch Planning Board Resolution dated November 28, 2023;

The Applicant is proposing the construction of a mixed-used building with two (2) commercial spaces on the ground level and twenty-four (24) residential units. The commercial portion will consist of 2,281 SF of retail space and the residential portion will consist of 14 one-bedroom units, and 10 two-bedroom units. The development will be serviced via proposed 6" PVC sanitary lateral which will tie into the existing 8" PVC main within West End Ave via a proposed doghouse manhole. The total proposed average daily flow for the development is 4,578.1 gallons per day.

Tom, File

9-13

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Based upon review of the above-referenced documents, it is recommended that the 648 Second Avenue Proposed Mixed-Use Building Application be approved subject to compliance with the following:

1. An evaluation of the existing sanitary sewer systems' capacity and suitable condition to convey the proposed flow is required at the Applicant's cost. An evaluation of the existing sanitary sewer system conveying the proposed flow is required to be performed, at the Applicant's cost, to confirm condition and capacity of same to convey the proposed flow. Evaluation shall include flow monitoring within the existing manhole located within the intersection of Second Ave and Montgomery Ave, as well as internal television inspection from the manhole located in the intersection of West End Court and Second Ave to the manhole within the intersection of Montgomery Ave and Second Ave. A report of the findings and capacity analysis shall be submitted for review. Any improvements necessary to address capacity issues and/or unsatisfactory conditions, to be determined at the sole discretion of the Long Branch Sewerage Authority, shall be performed by the Applicant, at the Applicant's cost. Mapping of the surrounding sewer and location and extent of sewer to be evaluated is attached to this letter for the Applicant's reference.

2. Submission of two (2) signed and sealed originals and one (1) PDF of complete final drawings incorporating the following revisions:

   a. Existing Conditions Plan shall be provided, with the following:

      - The existing property lateral servicing the demolished building and point of connection to main shall be shown directly on the plan. All existing sanitary sewer connections shall be abandoned and plugged at the point of connection to the main in accordance with the LBSA Rules and Regulations. The Authority Engineer must be present for all lateral abandonment operations. Indicate same directly on the plans.

      - The following note shall be added to the plans: "Contractor/Applicant shall be responsible to locate the existing sanitary sewer laterals and abandon them per LBSA requirements. The LBSA Engineer shall be notified a minimum of forty-eight (48) hours prior to abandonment of operations."

   b. Utility Plan shall be provided, with the following:

      - PVC sewer lateral type (SDR-35, push-on, gasketed joint) shall be noted directly on the plans.

      - Cleanout rim and invert elevations for the proposed cleanout shall be indicated directly on the plans.

      - The following Utility Notes shall be provided:

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- The contractor shall perform test pits to verify existing utility depths, sizes and locations prior to connecting the proposed sanitary sewer lateral to the existing sanitary sewer. The Contractor shall notify the Engineer in writing of any conflicts so that design modifications can be made;

- Sanitary Sewer lateral minimum cover shall be three (3') feet. If a minimum cover of three (3') cannot be provided, ductile iron pipe (Class 52) shall be provided. Cover of less than two and one-half (2.5') feet shall not be permitted;

- Any Damage caused to the Long Branch Sewerage Authority sanitary sewer system as a result of construction activities, as solely determined by the Long Branch Sewerage Authority, shall be repaired by the Contractor/Applicant, at the Contractor's/Applicant's cost, to the satisfaction of the Authority;

- All work shall be performed in accordance with Long Branch Sewerage Authority Rules and Regulations and Standard Details;

- Prior to acceptance, the sanitary sewer facilities shall be tested in accordance with Long Branch Sewerage Authority Rules and Regulations and witnessed and approved by the Authority; and,

- Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to Long Branch Sewerage Authority for review and approval

c. Construction Details shall be provided, with the following:

- All details shall be standard Long Branch Sewerage Authority details. The following LBSA standard Details shall be included:
  - Doghouse Manhole Detail
  - Standard Precast Manhole Detail
  - Manhole Chute Detail
  - Standard or Watertight Sanitary Manhole Frame & Cover Detail
  - Trench and Pavement Repair Detail
  - Standard Cleanout Detail
  - Cleanout Protection Box Detail
  - Standard PVC Pipe Bedding Detail
  - A copy of LBSA standard details can be provided upon request.

3. Submission of two (2) signed and sealed originals and one (1) PDF of the Engineer's Report incorporating the following revisions:

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- The Pipe velocity calculation shall be revised. Flow used in the equation shall be in cubic feet per second.
- The Construction Cost Estimate shall include a contingency of 10%.
- Standard LBSA Specification sections 7, 8, 9, 10, and 11 shall be included.

4. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Plumbing Plans. Plumbing Plans must comply with Section 7A.6 "Elevation of Sanitary Fixtures" of the LBSA Rules and Regulations.

5. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Architectural Plans.

6. The Applicant's compliance with any additional revisions/comments that may be required upon review of submittal and/or resubmittal documents.

7. Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to LBSA for review and approval.

8. Submission of a Performance Bond or Letter of Credit in the amount of 120% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Performance Bond be submitted prior to the start of construction.

9. Submission of Engineering Inspection Fees in the amount 10% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Engineering Inspection Fees be submitted prior to the start of construction.

10. Submission of Connection Fees in the amount of $153,137.83, based upon a total of 24 residential units and 2,281 SF of retail space, as calculated below:

    24 proposed units – 1 existing unit at the current rate of $6,366.00 per unit = $146,418.00

    Retail space: 2,281 sf of retail x 0.10 gpd/sf = 228.1 gpd

    228.1 gpd at the current rate of $29.46/gpd = $6,719.83

    Total Connection Fee =$146,418.00 + $6,719.83 = $153,137.83

    Payment of 50% of the Connection Fees is required prior to the issuance of a Building Permit for each building, and the remaining 50% of the Connection Fees prior to the issuance of a Certificate of Occupancy for the building.

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The Applicant is advised that the Connection Fee due is based upon the Connection Fee Rate in effect at the time of payment and is subject to change accordingly.

The Applicant is also advised that the Connection Fee is subject to change pending confirmation of estimated flows and number of units.

11. Per LBSA Rules and Regulations 8.5 Performance Guarantee and Insurance, Subsection (f), the Applicant shall provide sign-off as follows:

    The Applicant shall agree to indemnify and save harmless the LBSA, its officers, Engineers, agents and servants from and against any loss, resulting from negligence or the fault of the applicant in the case of work covered by the application. Further, the Applicant shall also indemnify and save harmless the LBSA (including costs of providing a defense) against any damage done to other utilities arising out of the applicant's operation, and name LBSA as an additional insured on their general liability policy.

12. Two (2) weeks prior to the anticipated start of construction, notification shall be provided to LBSA to allow for the scheduling of a pre-construction meeting.

13. Shop drawings for all materials must be submitted to LBSA for approval prior to installation.

14. The operation and maintenance of the sanitary sewer lateral, exclusively serving the 648 Second Avenue Proposed Mixed-Use Building, shall be the responsibility of the property owner(s).

15. Even though operation and maintenance of the sanitary sewer lateral, exclusively serving the 648 Second Avenue Proposed Mixed-Use Building will be the responsibility of the property owner(s) after the facilities have been constructed, the Applicant is required to install the on-site sanitary sewer facilities in accordance with LBSA Standards.

Should you have any questions or require additional information, please do not hesitate to contact me directly.

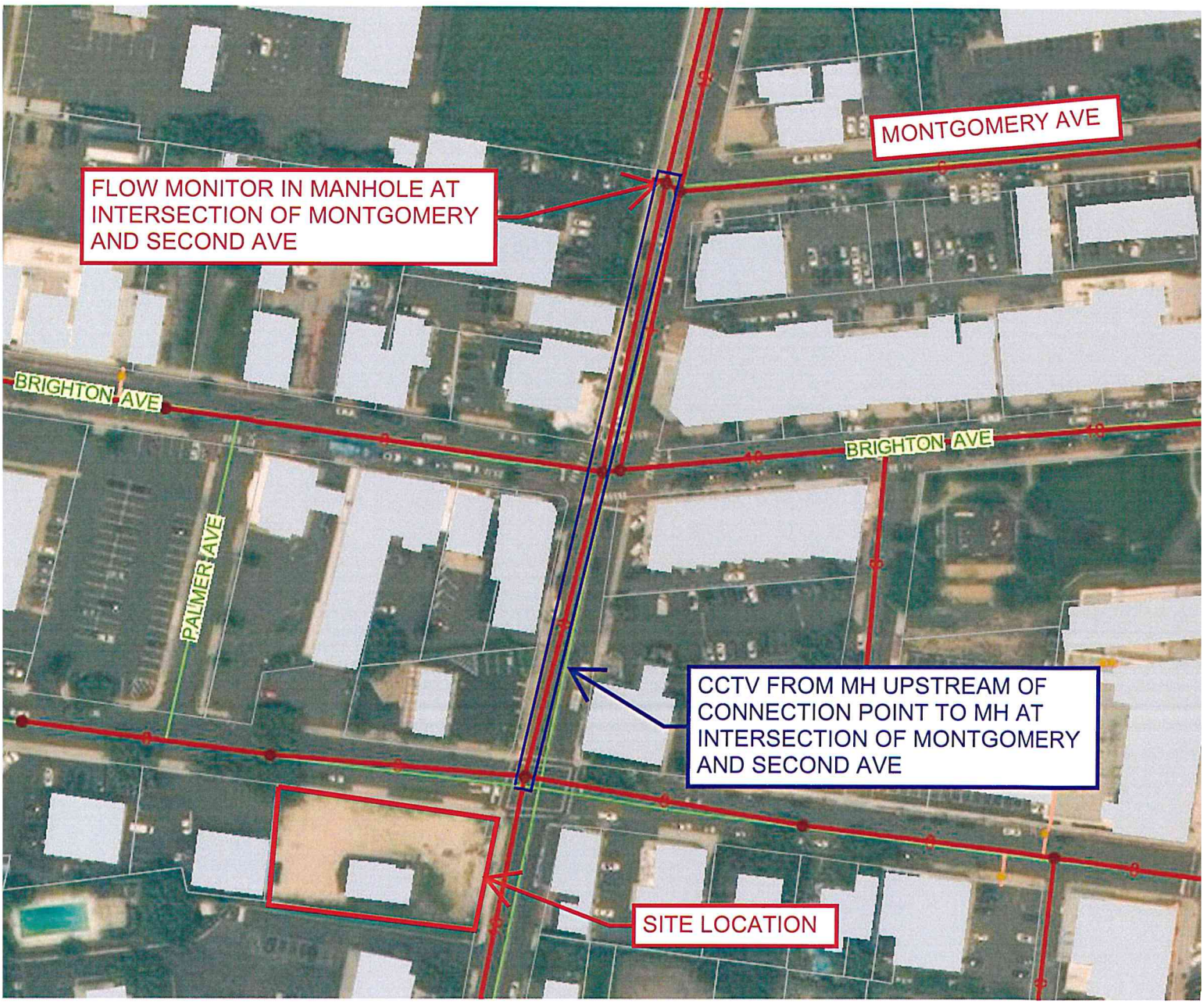
Sincerely,

Colliers Engineering & Design
(DBA Maser Consulting)

John J. McKelvey

John McKelvey, P.E.
Senior Project Manger

JJM/DJI


MONTGOMERY AVE
FLOW MONITOR IN MANHOLE AT INTERSECTION OF MONTGOMERY AND SECOND AVE
BRIGHTON AVE
BRIGHTON AVE
PALMER AVE
CCTV FROM MH UPSTREAM OF CONNECTION POINT TO MH AT INTERSECTION OF MONTGOMERY AND SECOND AVE
SITE LOCATION

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

RECEIVED
SEP 10 2025
L.B. SEWERAGE AUTHORITY

Colliers
Engineering
& Design

September 10, 2025

VIA EMAIL

Thomas Roguski, P.E., CME, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 720
Long Branch, New Jersey 07740

Engineer's Status Report
September 2025 Meeting
Colliers Engineering & Design Project No. LBS-001

Dear Mr. Roguski,

The following is a report on the status of projects for which Colliers Engineering & Design, Inc. (CED) is responsible:

1. Capital Projects

a. Sanitary Sewer Railroad Crossing Study and Improvements (LBS-274)

As-builts have been submitted and accepted by the Authority and closeout documentation has been provided to the NJDEP. Awaiting full project close out with NJDEP.

b. Hoey Pump Station Force Main Replacement (LBS-275)

A final Change Order has been approved by New Jersey Department of Environmental Protection (NJDEP). Awaiting full project close out with NJDEP.

c. Sludge Holding System Modifications & Final Settling Tank Improvements (LBS-281)

LBSA approved project close out in 2024. Final As-built documentation completed by CED. Awaiting full project close out with NJDEP. Our office has prepared and submitted closeout documentation per NJDEP request.

d. I/I Study and Improvements (LBS-284)

As-builts have been submitted and accepted by the Authority and closeout documentation has been provided to the NJDEP. Awaiting full project close out with NJDEP.

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e. **WWTP Expansion Study (LBS-0329)**

Report reviewed at the January 2025 board meeting. Meeting to be scheduled by LBSA with the Engineering Committee to discuss further.

f. **Hoey Pump Station Improvements (LBS-0330)**

The NJDEP has issued Authorization to Award the Hoey Pump Station Improvements contract to Rapid Pump & Meter Service Company LLC. Fully executed contract documents have been prepared. A preconstruction meeting was held with the Contractor and the NJDEP on May 2, 2025. Notice to Proceed has been provided. The Contractor has submitted shop drawings for review. The Contractor has submitted a no cost time extension change order which was approved at the Authority's July 2025 meeting. The no cost time extension change order was approved by the NJDEP on September 8, 2025.

2. **Active Escrow Projects**

a. **180 Morris Avenue (in construction) (LBS-289)**

Sanitary sewer lateral construction has been completed and awaits final testing and preparation of punchlist items.

b. **Takanassee (in construction) (LBS-290)**

The sanitary main and laterals have been installed. Final testing is complete. Updated punch list was sent to Applicant on October 23, 2024. Developer working on building construction.

c. **Proposed 7-Eleven (LBS-292)**

Approval letter was sent to the Applicant on January 7, 2021.

d. **Beachfront LLC (in construction) (LBS-294)**

One lateral has been installed and awaits final inspection. Three remaining laterals to be installed at a future date.

e. **Broadway Place (Phase I/II) (LBS-295)**

The majority of sanitary sewer installation construction work within Broadway is complete and pending final inspection, testing and preparation of a punchlist. The revised plans submitted by the applicant has been reviewed and approved, construction of the sanitary sewer lateral is ongoing.

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f. NJDOT Bridge over Troutman's Creek (LBS-315)

A meeting with NJDOT took place on Friday, June 10, 2022. Follow up meetings with the NJDOT consulting engineer have been held on April 30, 2025 and on June 4, 2025 to discuss recently submitted updated NJDOT utility plans and specifications. Revised documents have been submitted, reviewed and deemed acceptable. The final documents were forwarded to the Authority for endorsement and subsequently forwarded to NJDOT. The Authority will be notified in advance of any of the proposed construction activities that will impact sewer facilities. Additional escrow has been requested from the NJDOT to cover engineering services during construction.

g. Ocean Gate (in construction) (LBS-0316)

All construction work is complete and final testing and inspections have been performed. All construction related punchlist items have been satisfactorily addressed. Project closeout contingent on submission of outstanding administrative items.

h. 175 Chelsea Avenue (LBS-0317)

A review letter was sent on June 8, 2021 to the Applicant. A revised submission was made, and a letter was sent to the Applicant on September 9, 2021, outlining remaining items to be submitted.

i. 290 Ocean Avenue (LBS-0321)

A review letter was sent on January 10, 2022 to the Applicant.

j. 185 Morris Avenue (in construction) (LBS-0325)

All construction work is complete and final testing and inspections have been performed. All construction related punchlist items have been satisfactorily addressed. Project closeout contingent on submission of outstanding administrative items.

k. 279 Third Avenue (LBS-0326)

A review letter was sent to the Applicant on October 3, 2022.

l. The Atlantic Club (LBS-0334)

Preconstruction was held. Construction start date pending submission, review and approval of administrative items.

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& Design

m. Santos Subdivision (LBS-0004)

The applicant has submitted revised plans proposing individual grinder pumps for approval, the NJDEP has confirmed that a TWA will be required for the application. The applicant has resubmitted documents for review and approval.

n. 156-164 Franklin Avenue (LBS-0005)

Construction of sewer facilities and final testing are complete. Final inspection to be scheduled and punchlist to be issued upon completion of inspection. Developer constructing buildings in phases.

o. Second Avenue Multi-Use Development (LBS-0336)

The majority of sanitary sewer construction is complete and final testing remains to be completed. Final inspection to be scheduled and punchlist to be issued upon completion of inspection.

p. Enclave at West End (LBS-0337)

All construction work is complete and final testing and inspections have been performed. All construction related punchlist items have been satisfactorily addressed. Project closeout contingent on submission of outstanding administrative items.

q. 169 Chelsea Avenue (LBS-0338)

Revised plans to eliminate proposed deep connections to existing sewer have been reviewed and approved. The contractor has installed three (3) sanitary sewer laterals of 3 to be constructed and connected to an existing manhole per the approved plans.

r. 333-345 Second Avenue Proposed Townhouse Development (LBS-0339)

Sanitary sewer construction is complete and final testing remains to be completed. Final inspection to be scheduled and punchlist to be issued upon completion of inspection.

s. Ocean Acre (LBS-0340)

Approval letter was provided to the Applicant on March 21, 2024.

t. Branchport Crossing (LBS-0342)

Conditional approval letter was provided to the Applicant on February 21, 2025. TWA approval has been received.

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u. Monmouth University BSACAM (LBS-0344)

Conditional approval letter was provided to LBSA on July 10, 2024. NJDOT approval has been received. A pre-construction meeting was held June 4, 2025.

v. Sephardic Torah Temple (LBS-0345)

The application received conditional approval at the October 2024 meeting. Notice has been sent to the Applicant. Resubmission documents have been reviewed and comments provided.

w. RCHP Affordable Housing Corporations (LBS-0346)

The application received conditional approval at the October 2024 meeting. Notice has been sent to the Applicant. Awaiting submission of revised documents for review and approval.

x. 201, 213 & 215 Third Ave. (LBS-0347)

Revised application documents have been reviewed, and review letter was issued January 22, 2025. A capacity study is to be performed by the applicant and results of the same submitted for review and approval.

y. Seventh Avenue Apartments (LBS-0349)

The application received conditional approval at the April 2025 meeting. Notice has been sent to the Applicant. Awaiting submission of revised documents for review and approval.

z. 112 Brighton Avenue (LBS-0350)

The application received conditional approval at the April 2025 meeting. Notice has been sent to the Applicant. Revised documents have been submitted and reviewed, notice of approval has been sent to the Applicant.

aa. 85 Chelsea Avenue (LBS-0351)

The application received conditional approval at the July 2025 meeting. Notice has been sent to the Applicant.

bb. 305 Broadway Mixed-Use Development (LBS-0353)

The application received conditional approval at the August 2025 meeting. Notice has been sent to the Applicant.

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cc. Wave Condominium (LBS-0354)

The application received conditional approval at the August 2025 meeting. Notice has been sent to the Applicant.

dd. 400 Morris Avenue (LBS-0355)

The application received conditional approval at the August 2025 meeting. Notice has been sent to the Applicant.

ee. 648 Second Avenue (LBS-0356)

A letter of conditional approval has been provided to the Authority for consideration at the next monthly meeting.

Should you have any questions or require any additional information, please do not hesitate to contact me directly.

Sincerely,

Colliers Engineering & Design, Inc.
(DBA Maser Consulting)

John J. McKelvey, P.E.
Senior Project Manager

r:\projects\i-l\lbs\lbs001\reports\monthly status updates\2025\250910_jjm_roguski_september meeting.docx

STONEFIELD

September 3, 2025

RECEIVED

SEP 04 2025

L.B. SEWERAGE AUTH

Long Branch Sewerage Authority
150 Joline Avenue, P.O. Box 720
Long Branch, NJ 07740

RE: Proposed Mixed-Use Development
Block 305, Lot 9
83 North Broadway
City of Long Branch, Monmouth County, New Jersey
LBP File No. PB 24-16

To Whom It May Concern:

Our office is submitting documents on behalf of the Applicant for the above-referenced property in support of an Application for Commercial Sewer Service. Please find the following items enclosed:

ITEM DESCRIPTION	DATED	COPIES	PREPARED BY
Application for Commercial Sewer Service	08-19-2025	1	Gio Associates, LLC
Site Plan Set	09-03-2025	3	Stonefield Engineering & Design
MEP Plans	06-18-2025	3	Bodnar Architectural Studio
Sanitary Sewer Demand	08-27-2025	3	Stonefield Engineering & Design
Sanitary Engineer's Report	08-27-2025	3	Stonefield Engineering & Design
Sanitary Cost Estimate	08-27-2025	3	Stonefield Engineering & Design
Planning Board Memorialized Resolution	03-18-2025	1	Long Branch Planning Board
$100 Application Fee	08-21-2025	1	Gio Associates, LLC
$1,000 Initial Escrow Fee	08-21-2025	1	Gio Associates, LLC

Should you have any questions regarding the submission items please do not hesitate to contact our office.

Regards,

Afton Savitz

Afton Savitz, PE, LEED AP BD+C
Stonefield Engineering and Design, LLC

Via FedEx

Z:\Princeton\PRI\2023\PRI-230237 Ezri Shecher - 83 North Broadway & Ocean Boulevard, Long Branch, NJ\Correspondence\Outgoing\Municipal\2025-01-03_Municipal Response Letter.docx

Tom, File

9-15

Nelson Engineering Associates, Inc.

444 Neptune Boulevard, Suite 4 • Neptune, NJ 07753
(732) 918-2180

Tom Roguski, PE, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
Long Branch, NJ 07740

August 29, 2025

RECEIVED
SEP 03 2025
L.B. SEWERAGE AUTH

Re: 479 Ocean Blvd North
Block 470, Lot 4.02
City of Long Branch
Monmouth County, NJ 07740

NEAI #230601

Dear Mr. Roguski,

Attached please find the following information for the referenced project:

1. Preliminary and Final Site Plan Grading and Utility Plan (7/14/25) 1-copy signed and sealed
2. Grading, Drainage & Utility Plan (8/19/21 rev) for adjacent Lots 3 & 4.01 prepared by Grant Engineering & Construction Group LLC

The Long Branch City zoning board requires written confirmation of availability and capacity of service from LBSA. We appreciate if you would kindly forward a sewer utility 'will serve' letter to our office.

The lot was previously occupied by a 2-story frame dwelling (survey attached). The proposed development is a 3-unit (5-bedrooms per unit) townhouse. A proposed 4-inch SDR35 PVC gravity sewer lateral from the building connects to a sewer lateral (through the adjacent lot to the south in an easement) to the sewer main in Atlantic Avenue.

The anticipated volume of sanitary sewage from the project based on NJAC 7:14A-23.3 *Projected flow criteria*, is as follows:

Average Daily Flow

Q_a = Average daily flow in gallons per day (GPD)
= 3 DU (3+ BR) x 300 GPD/DU
= (3 x 300)
= 900 GPD

Q_a = Average daily flow in gallons per minute (GPM)
= $Q_d \div 1{,}440$ min/day
= $900 \div 1{,}440$
= 0.625 GPM

Tom. File

9-16

Thank you for your attention to this matter. Should you have any questions or require additional information, please feel free to contact me at our office.

Very truly yours,

Nelson Engineering Associates, Inc.

John A. Buletza, PE, PP, CME
Vice-President of Engineering

Enc.
JAB:jma

cc: Viking Residential Properties LLC
Mark A. Lamartina, Esq.

PS. I understand the previous dwelling was 2-family with two sewer units. Can you please confirm and appropriate 2 EDU credit to the Applicant/Owner against his fees

Subject: Utility Availability Request:Sewer
Approved Mix Use Building
294 Branchport/560Berdan Pl.
Block 356, Lot 2&10
Long Branch, Monmouth County, New Jersey

RECEIVED
SEP 12 2025
Certified
L.B. SEWERAGE AUTHORITY

Dear Mr Roguski,

I am the Owner/Applicant and have recently received my approvals for a Mix Use Building. I plan to demolish the two existing structures and construct a Mix Use Building , consisting of a First Floor Retail ,885SF. Parking Under Building, 18 Spaces 6,505 SF and a Residential Lobby, 806SF. The First Residential Floor, (7) 2 Bedroom Units, Second Residential Floor, (7) 2 Bedroom Units. Verification is required that your utility will be able to serve my proposed Building with sewer service.

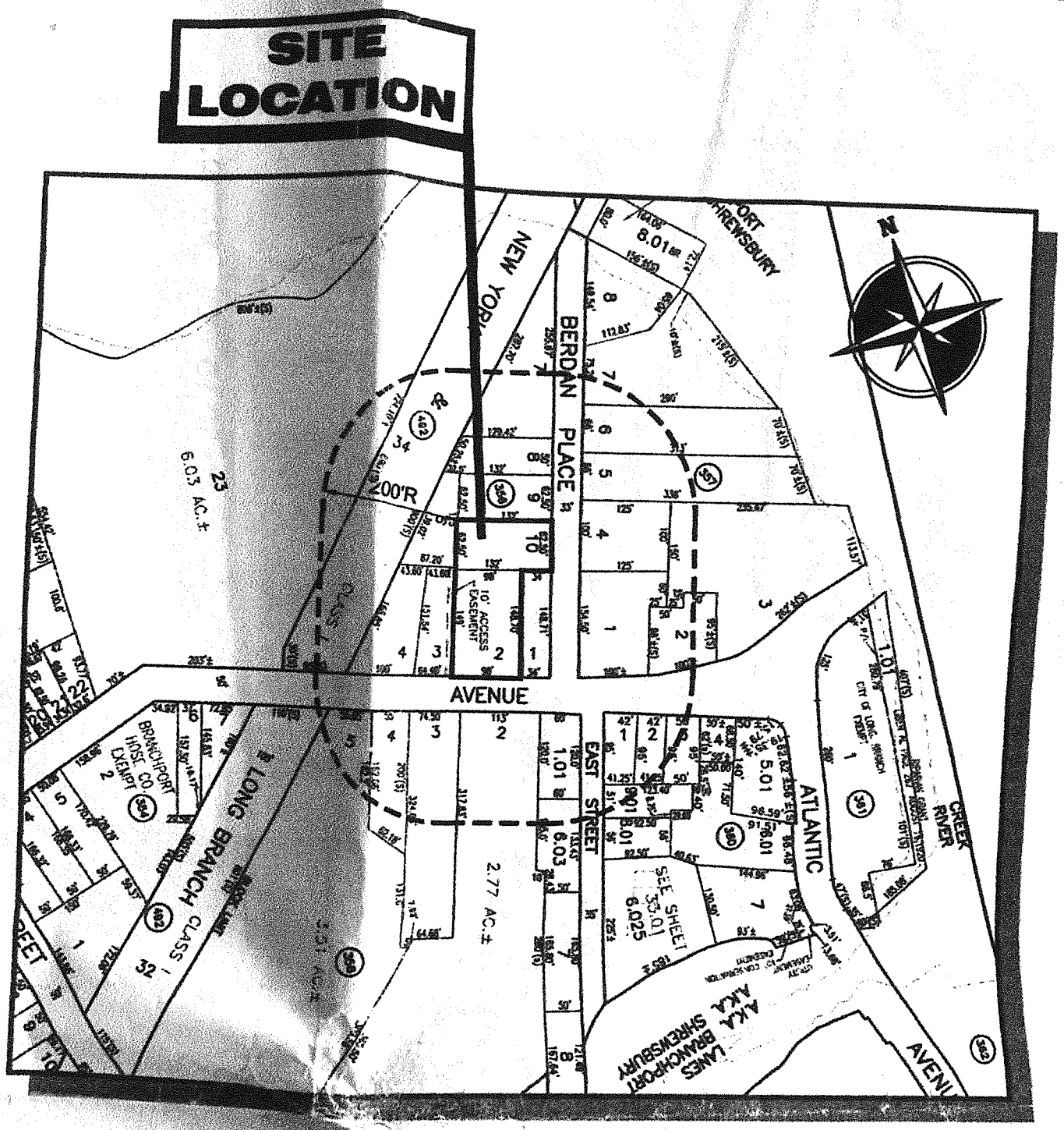
Enclosed please find my Tax Map Exhibit with the site clearly labeled for reference. I kindly ask that you provide me with a letter stating that your company can provide sewer service for my Mix Use Building. I would also like to request any information you can provide on the location of the existing sewer service infrastructure in the vicinity of my project and where our proposed sewer service could connect. I am available to meet on-site or at your office to review the sewer infrastructure and my project if that would help you respond to this request.

Thank you for your assistance in this matter. If you have any questions or require further information, please feel free to contact me anytime at (732) 558-9771 or email me at mcfragale@gmail.com

Sincerely,
Mario Fragale
Mario Fragale

Om. File.

9-17



TAX MAP

SCALE: 1"=200'

TAX MAP INFORMATION TAKEN FROM "TAX MAP" CITY OF LONG BRANCH, MONMOUTH COUNTY, NEW JERSEY" SHEET NUMBERS #33

101 Crawfords Corner Road
Suite 3400
Holmdel New Jersey 07733
Main: 877 627 3772

Colliers
Engineering & Design

RECEIVED
SEP 10 2025
L.B. SEWERAGE AUTHORITY

September 10, 2025

VIA EMAIL

Thomas Roguski, P.E., CME, Executive Director
Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 720
Long Branch, New Jersey 07740

LB648, LLC
648 Second Avenue
Block 93, Lots 1
City of Long Branch, Monmouth County, New Jersey
Colliers Engineering & Design Project No. LBS-0356

Dear Mr. Roguski,

Please be advised that I have received and reviewed documents submitted by L2A Land Design, LLC. for Long Branch Sewerage Authority (LBSA) Sanitary Sewer Application Approval, as follows:

- LBSA Form A, Application for Conceptual Review;
- Plans entitled, "Preliminary and Final Major Site Plan for Proposed Mixed-Use Building, 648 Second Avenue", signed by Michael E. Dipple, P.E. of L2A Land Design, dated March 19, 2021, and last revised October 29, 2024;
- Engineer's Sewer Report entitled, "Application for Sewer Connection, Engineer's Report and Technical Specifications", signed by Michael E. Dipple, P.E. of L2A Land Design, dated October 29, 2024;
- USGS Quad Map with Project Location; and,
- City of Long Branch Planning Board Resolution dated November 28, 2023;

The Applicant is proposing the construction of a mixed-used building with two (2) commercial spaces on the ground level and twenty-four (24) residential units. The commercial portion will consist of 2,281 SF of retail space and the residential portion will consist of 14 one-bedroom units, and 10 two-bedroom units. The development will be serviced via proposed 6" PVC sanitary lateral which will tie into the existing 8" PVC main within West End Ave via a proposed doghouse manhole. The total proposed average daily flow for the development is 4,578.1 gallons per day.

EXHIBIT
A
9-17-25

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Based upon review of the above-referenced documents, it is recommended that the 648 Second Avenue Proposed Mixed-Use Building Application be approved subject to compliance with the following:

1. An evaluation of the existing sanitary sewer systems' capacity and suitable condition to convey the proposed flow is required at the Applicant's cost. An evaluation of the existing sanitary sewer system conveying the proposed flow is required to be performed, at the Applicant's cost, to confirm condition and capacity of same to convey the proposed flow. Evaluation shall include flow monitoring within the existing manhole located within the intersection of Second Ave and Montgomery Ave, as well as internal television inspection from the manhole located in the intersection of West End Court and Second Ave to the manhole within the intersection of Montgomery Ave and Second Ave. A report of the findings and capacity analysis shall be submitted for review. Any improvements necessary to address capacity issues and/or unsatisfactory conditions, to be determined at the sole discretion of the Long Branch Sewerage Authority, shall be performed by the Applicant, at the Applicant's cost. Mapping of the surrounding sewer and location and extent of sewer to be evaluated is attached to this letter for the Applicant's reference.

2. Submission of two (2) signed and sealed originals and one (1) PDF of complete final drawings incorporating the following revisions:

   a. Existing Conditions Plan shall be provided, with the following:

      - The existing property lateral servicing the demolished building and point of connection to main shall be shown directly on the plan. All existing sanitary sewer connections shall be abandoned and plugged at the point of connection to the main in accordance with the LBSA Rules and Regulations. The Authority Engineer must be present for all lateral abandonment operations. Indicate same directly on the plans.

      - The following note shall be added to the plans: "Contractor/Applicant shall be responsible to locate the existing sanitary sewer laterals and abandon them per LBSA requirements. The LBSA Engineer shall be notified a minimum of forty-eight (48) hours prior to abandonment of operations."

   b. Utility Plan shall be provided, with the following:

      - PVC sewer lateral type (SDR-35, push-on, gasketed joint) shall be noted directly on the plans.

      - Cleanout rim and invert elevations for the proposed cleanout shall be indicated directly on the plans.

      - The following Utility Notes shall be provided:

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& Design

- The contractor shall perform test pits to verify existing utility depths, sizes and locations prior to connecting the proposed sanitary sewer lateral to the existing sanitary sewer. The Contractor shall notify the Engineer in writing of any conflicts so that design modifications can be made;

- Sanitary Sewer lateral minimum cover shall be three (3') feet. If a minimum cover of three (3') cannot be provided, ductile iron pipe (Class 52) shall be provided. Cover of less than two and one-half (2.5') feet shall not be permitted;

- Any Damage caused to the Long Branch Sewerage Authority sanitary sewer system as a result of construction activities, as solely determined by the Long Branch Sewerage Authority, shall be repaired by the Contractor/Applicant, at the Contractor's/Applicant's cost, to the satisfaction of the Authority;

- All work shall be performed in accordance with Long Branch Sewerage Authority Rules and Regulations and Standard Details;

- Prior to acceptance, the sanitary sewer facilities shall be tested in accordance with Long Branch Sewerage Authority Rules and Regulations and witnessed and approved by the Authority; and,

- Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to Long Branch Sewerage Authority for review and approval

c. Construction Details shall be provided, with the following:

- All details shall be standard Long Branch Sewerage Authority details. The following LBSA standard Details shall be included:
  - Doghouse Manhole Detail
  - Standard Precast Manhole Detail
  - Manhole Chute Detail
  - Standard or Watertight Sanitary Manhole Frame & Cover Detail
  - Trench and Pavement Repair Detail
  - Standard Cleanout Detail
  - Cleanout Protection Box Detail
  - Standard PVC Pipe Bedding Detail
  - A copy of LBSA standard details can be provided upon request.

3. Submission of two (2) signed and sealed originals and one (1) PDF of the Engineer's Report incorporating the following revisions:

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- The Pipe velocity calculation shall be revised. Flow used in the equation shall be in cubic feet per second.
- The Construction Cost Estimate shall include a contingency of 10%.
- Standard LBSA Specification sections 7, 8, 9, 10, and 11 shall be included.

4. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Plumbing Plans. Plumbing Plans must comply with Section 7A.6 "Elevation of Sanitary Fixtures" of the LBSA Rules and Regulations.

5. Submission of two (2) signed and sealed originals and one (1) PDF copy of the Architectural Plans.

6. The Applicant's compliance with any additional revisions/comments that may be required upon review of submittal and/or resubmittal documents.

7. Prior to acceptance, As-Built Plans, both in electronic and paper formats, for the sanitary sewer improvements, shall be submitted to LBSA for review and approval.

8. Submission of a Performance Bond or Letter of Credit in the amount of 120% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Performance Bond be submitted prior to the start of construction.

9. Submission of Engineering Inspection Fees in the amount 10% of the Sanitary Sewer Construction Cost Estimate, once approved. It is required that the Engineering Inspection Fees be submitted prior to the start of construction.

10. Submission of Connection Fees in the amount of $153,137.83, based upon a total of 24 residential units and 2,281 SF of retail space, as calculated below:

    24 proposed units – 1 existing unit at the current rate of $6,366.00 per unit = $146,418.00

    Retail space: 2,281 sf of retail x 0.10 gpd/sf = 228.1 gpd

    228.1 gpd at the current rate of $29.46/gpd = $6,719.83

    Total Connection Fee =$146,418.00 + $6,719.83 = $153,137.83

    Payment of 50% of the Connection Fees is required prior to the issuance of a Building Permit for each building, and the remaining 50% of the Connection Fees prior to the issuance of a Certificate of Occupancy for the building.

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The Applicant is advised that the Connection Fee due is based upon the Connection Fee Rate in effect at the time of payment and is subject to change accordingly.

The Applicant is also advised that the Connection Fee is subject to change pending confirmation of estimated flows and number of units.

11. Per LBSA Rules and Regulations 8.5 Performance Guarantee and Insurance, Subsection (f), the Applicant shall provide sign-off as follows:

    The Applicant shall agree to indemnify and save harmless the LBSA, its officers, Engineers, agents and servants from and against any loss, resulting from negligence or the fault of the applicant in the case of work covered by the application. Further, the Applicant shall also indemnify and save harmless the LBSA (including costs of providing a defense) against any damage done to other utilities arising out of the applicant's operation, and name LBSA as an additional insured on their general liability policy.

12. Two (2) weeks prior to the anticipated start of construction, notification shall be provided to LBSA to allow for the scheduling of a pre-construction meeting.

13. Shop drawings for all materials must be submitted to LBSA for approval prior to installation.

14. The operation and maintenance of the sanitary sewer lateral, exclusively serving the 648 Second Avenue Proposed Mixed-Use Building, shall be the responsibility of the property owner(s).

15. Even though operation and maintenance of the sanitary sewer lateral, exclusively serving the 648 Second Avenue Proposed Mixed-Use Building will be the responsibility of the property owner(s) after the facilities have been constructed, the Applicant is required to install the on-site sanitary sewer facilities in accordance with LBSA Standards.

Should you have any questions or require additional information, please do not hesitate to contact me directly.

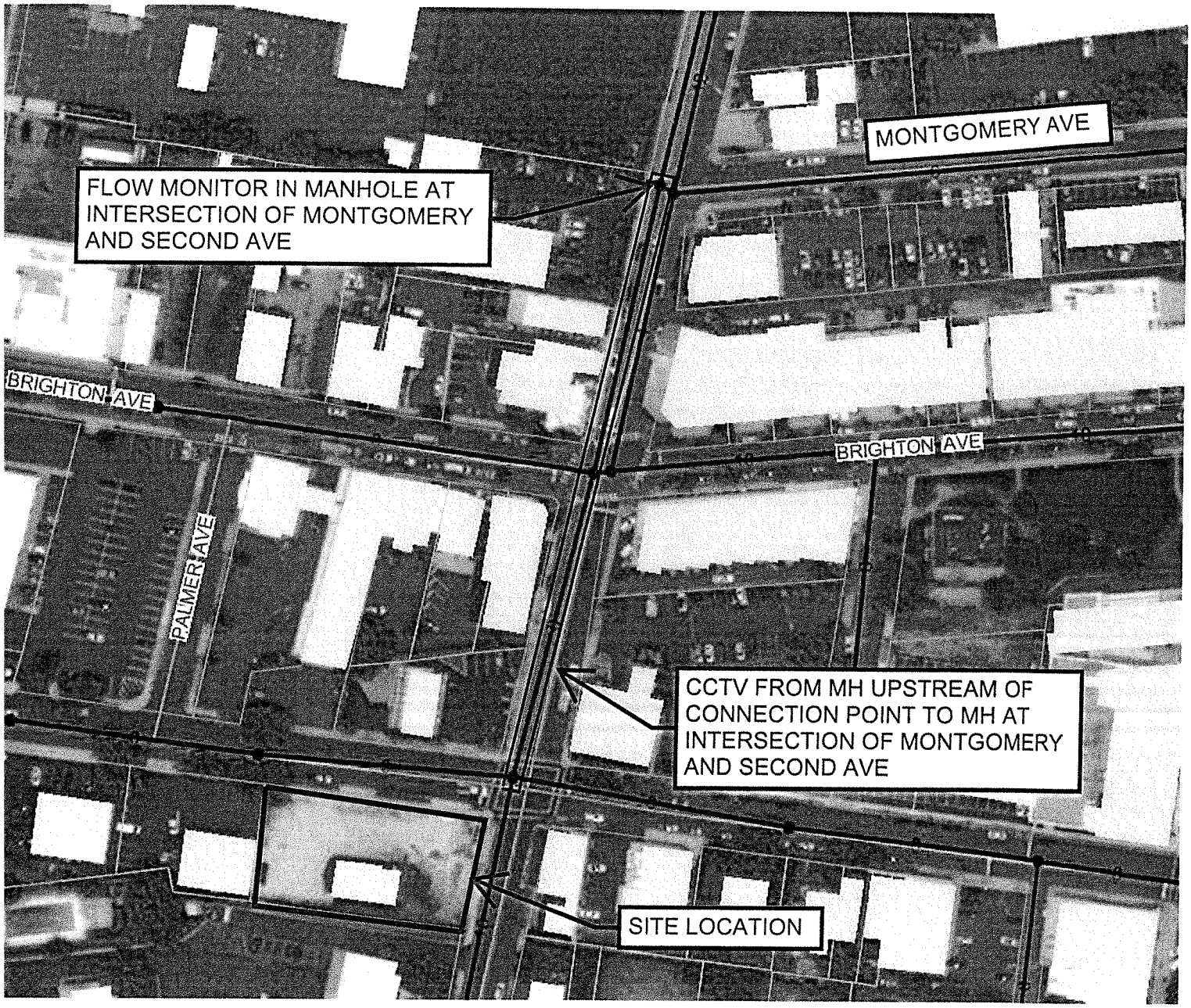
Sincerely,

Colliers Engineering & Design
(DBA Maser Consulting)

John J. McKelvey

John McKelvey, P.E.
Senior Project Manger

JJM/DJI


MONTGOMERY AVE
FLOW MONITOR IN MANHOLE AT INTERSECTION OF MONTGOMERY AND SECOND AVE
BRIGHTON AVE
BRIGHTON AVE
PALMER AVE
CCTV FROM MH UPSTREAM OF CONNECTION POINT TO MH AT INTERSECTION OF MONTGOMERY AND SECOND AVE
SITE LOCATION

195 Green Pond Road, Rockaway, NJ 07866
1590 Dutch Road, Dixon, IL 61021
(855) JETVACS
www.jetvacequipment.com
a SEWER EQUIPMENT Company

Invoice No 0000004862
Customer 000045

Bill to :
LONG BRANCH SEWERAGE AUTHORITY-NJ
150 JOLINE AVE
ATTN: T. ROGERS/
J. VASSAILLIE
LONG BRANCH NJ 07740
United States

Shipped to :
LONG BRANCH SEWERAGE AUTHORITY-NJ
150 JOLINE AVE
ATTN: T. ROGERS/
J. VASSAILLIE
LONG BRANCH, NJ, 07740
United States

Sales Order No: 004790 Packing List No/Item No: 004841/000001

Customer PO Number	Invoice Date	Terms	FOB	Ship Via	Salesperson
25000378	08/15/2025	NET 30 DAYS.	SHIPPING POINT	UPS GROUND	RKS

Item No	Part / Rev / Description / Details	Quantity	Unit Price	Discount	Extended Price
000010	41215-00-Z	1.0000	62.3400	0.00	62.34
	Rev 000 **U/M** EA				
	FILTER,OIL,10 MICRON,LONG				
000020	SHOP SUPPLIES/TOOLS	5.0000	16.2800	0.00	81.40
	Rev 000 **U/M** EA				
	46W HYD OIL, PER GAL				
000030	SHOP SUPPLIES/TOOLS	6.0000	16.4800	0.00	98.88
	Rev 000 **U/M** EA				
	80/90W OIL, PER QT				
000040	SHOP SUPPLIES/TOOLS	6.0000	36.4500	0.00	218.70
	Rev 000 **U/M** EA				
	BLOWER OIL, PER QT				
000050	SHOP SUPPLIES/TOOLS	2.0000	14.8500	0.00	29.70
	Rev 000 **U/M** EA				
	MARINE GREASE, TUBE				
000060	JPRO	1.0000	185.0000	0.00	185.00
	Rev 000 **U/M** EA				
	ENGINE COMPUTER DIAGNOSTIC SERVICE				
000070	SPOR-MM16X600P	1.0000	2,338.1000	0.00	2,338.10
	Rev 000 **U/M** EA				
	PIRANHA HOSE 1"X600' 2500PSI,PLASTI				
000080	TR2MT-16X120	1.0000	178.2300	0.00	178.23
	Rev 000 **U/M** EA				
	HOSE, LEADER, HYD,1"X120"				
000090	50995-00-F	1.0000	22.4300	0.00	22.43
	Rev 000 **U/M** EA				
	ADAPTER, FP-FPX, 1"FPX, STEEL	Taxable Item			
000100	FHP08NPT8	1.0000	12.2500	0.00	12.25
	Rev 000 **U/M** EA				
	FITTING,MALE,1/2",PIRANHA,SHBK				
000110	17075-00-X	2.0000	112.3800	0.00	224.76
	Rev 000 **U/M** EA				
	TUBE, POLYURETHANE,2.00" X 2.75"				
000120	R61709	1.0000	62.5500	0.00	62.55
	Rev 000 **U/M** EA				
	ELEMENT-FUEL FILTER, 7 MICRON				
000130	FF63041NN	1.0000	142.7900	0.00	142.79
	Rev 000 **U/M** EA				
	FUEL FILTER				
000140	LABOR-IF	13.0000	185.0000	0.00	2,405.00

For questions relating to this invoice, or for equipment, parts, service or rental inquiries, please call (855) JETVACS.

**** All balances past due are subject to a 1% per month late charge. ****

EXHIBIT
tabbies
B
9-17-25

195 Green Pond Road, Rockaway, NJ 07866
1590 Dutch Road, Dixon, IL 61021
(855) JETVACS
www.jetvacequipment.com
a SEWER EQUIPMENT Company

Invoice No 0000004862
Customer 000045

Bill to :
LONG BRANCH SEWERAGE AUTHORITY-NJ
150 JOLINE AVE
ATTN: T. ROGERS/
J. VASSAILLIE
LONG BRANCH NJ 07740
United States

Shipped to :
LONG BRANCH SEWERAGE AUTHORITY-NJ
150 JOLINE AVE
ATTN: T. ROGERS/
J. VASSAILLIE
LONG BRANCH, NJ, 07740
United States

Sales Order No: 004790 Packing List No/Item No: 004841/000001

Customer PO Number	Invoice Date	Terms	FOB	Ship Via	Salesperson
25000378	08/15/2025	NET 30 DAYS.	SHIPPING POINT	UPS GROUND	RKS

Item No	Part / Rev / Description / Details	Quantity	Unit Price	Discount	Extended Price
	Rev 000 U/M HR LABOR - PERFORM MODULE PM & REMOVE & REPLACE HYDRAULIC FILTER, DRAIN & REPLACE BLOWER & WATER PUMP OILS, HOOK UPJPRO DIAGNOSTICS, REPLACE FUEL FILTERS, REMOVE AND REPLACE JET HOSE AND INSTALL NEW LEADER HOSE, REPOSTITION PINCH ROLLER ARMS, REMOVE AND REPLACE PINCH ROLLER OUTER ROLLERS, CUT AND RECRIMP LATERAL JET HOSE, RUN & TEST SYSTEMS AFTER SERVICES. WHILE PERFORMING TESTING, THE CHECK ENGINE, FUEL & WATER LIGHTS WERE ACTIVE, THE NEXT DAY WE MOVED THE UNIT & BOTH WARNING LIGHTS ARE GONE. INITIAL CODES THAT WERE FOUND PRIOR TO CHANGING THE FUEL FILTERS WERE INDICATING A FUEL RELATED ISSUE, MAINLY WATER IN THE FUEL. WILL ADVISE CUSTOMER TO CHECK THEIR BULK STORAGE TO TRY TO AVOID THESE ERRORS FROM HAPPENING AGAIN. IF THE CODES PERSIST, UNIT WILL NEED TO GO TO CHASSIS DEALER FOR DEEPER DIAGNOSIS.				

Total Item Price	US$ 6,062.13
Shipping	US$ 0.00
Sales Tax	US$ 0.00
Total Inv Price	**USD US$ 6,062.13**

Please pay the balance due by Sunday September 14 2025

Remit To:
Jet Vac Equipment LLC
PO Box 772849 Detroit, MI 48277-2849

Wire Instructions:
Bank Routing Number: 021000021
SWIFT Code: CHASUS33
General Bank Ref Address:JPMorgan Chase New York, NY 10017
Account Number: 779605127
Account Name:Jet Vac Equipment LLC

Warranty start date for manufactured equipment is the date the equipment is shipped unless the equipment delivery to the end user from the dealer will be delayed. The dealer must notify Sewer Equipment Company of America in writing 30 days of shipment. This delayed warranty start date is subject to approval in writing by Sewer Equipment Company of America

For questions relating to this invoice, or for equipment, parts, service or rental inquiries, please call (855) JETVACS.
**** All balances past due are subject to a 1% per month late charge. ****

Donald S. Riley
Chairman

Michael Booth
Vice-Chairman

David G. Brown
Secretary

Bryan I. Larco
Treasurer

Susie Morris
Asst. Sec. Treas.

Long Branch Sewerage Authority
150 Joline Avenue
P.O. Box 720
Long Branch, NJ 07740-0702

(732) 222-0500
Fax (732) 222-7947

Thomas Roguski, PE, CME
Executive Director

Fallon & Co., LLP
Accountants

Colliers Engineering & Design
Consulting Engineers

Manna & Bonello, P.A.
Counsel

September 15, 2025

Re: Jet-Vac Maintenance & Service for
2025 Jet-Vac Truck
Long Branch Sewerage Authority
Monmouth County, New Jersey

The Long Branch Sewerage Authority (Authority) requires jet-vac maintenance and service for its 2025 Jet-Vac Truck.

The referenced 2025 Jet-Vac Truck and associated components are proprietary. The referenced jet-vac equipment is specifically designed for the specific operational needs of the Authority, and the use of a maintenance and service provider other than the proprietary one will undermine the functionality or operational performance of the Authority's 2025 Jet-Vac Truck.

The Authority has a substantial investment in its 2025 Jet-Vac Truck that warrants reliance on a specific manufacturer and vendor to maintain the value of the investment.

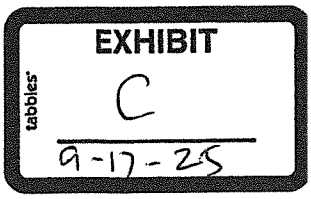
Very truly yours,

LONG BRANCH SEWERAGE AUTHORITY

Thomas Roguski
Executive Director

TR

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CERTIFICATION REQUIRED BY THE LOCAL FINANCE BOARD

I, THOMAS ROGUSKI, EXECUTIVE DIRECTOR OF THE LONG BRANCH SEWERAGE AUTHORITY, COUNTY OF MONMOUTH, HEREBY CERTIFY THAT THERE ARE FUNDS AVAILABLE FOR THE PURPOSE OF AWARDING A CONTRACT AND/OR EXPENDING FUNDS FOR THE PURPOSE IDENTIFIED BELOW. THE AMOUNT OF THE CONTRACT AND/OR EXPENDITURE IS: ***$6,062.13***

PURPOSE*:* ***Jet Vac Repairs***

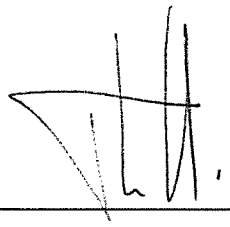
ACCOUNT TO BE CHARGED:

Reserve for Jet Vac Truck / 01-600-001-1611

NAME OF PAYEE AND/OR SUCCESSFUL BIDDER:

Jet Vac Equipment

CERTIFICATION DATED*:* ***September 17, 2025***



Thomas Roguski, Executive Director

