

**EAST LYME WATER AND SEWER COMMISSION
PUBLIC HEARING AGENDA
September 24, 2024
6:30 PM**

**Public Hearing Regarding a Request for Sewer Capacity – Parkers Place LLC
East Lyme Town Hall
(Upstairs Main Meeting Room)**

- 1. Call to Order / Pledge of Allegiance**
- 2. Presentation on the Determination of Capacity for Parkers Place Proposed Development**
- 3. Public Comment**
- 4. Adjournment**

**EAST LYME WATER AND SEWER COMMISSION
REGULAR MEETING AGENDA
Regular Meeting
Immediately Following the Public Hearing**

- 1. Call to Order**
- 2. Approval of Minutes**
 - a. Regular Meeting Minutes – August 27, 2024**
- 3. Delegations**
- 4. Correspondence Log**
- 5. Discussion and Possible Action on a Consideration of Sewer Capacity Allocation to Parkers Place, LLC Located at Park Place, East Lyme**
- 6. Billing Adjustments/Disputes**
 - a. 135 Boston Post Rd**
- 7. Approval of Bills**
- 8. Finance Director Report**
- 9. Project Updates**
 - a. Preliminary Engineering Report – Well 1A/6 and Well 4 PFAS Removal Project**

Caroline M. ...
TOWN CLERK
2024 SEP 19 A 10:50
EAST LYME TOWN HALL
100 WASHINGTON ST
EAST LYME, CT 06424

10. Discussion on Proposed Water and Sewer Rates for FY25 and Set Public Hearing

11. Chairman's Report

12. Staff Updates

- a. **Water Department Monthly Report**
- b. **Sewer Department Monthly Report**

13. Future Agenda Items

- a. **Capital Projects Subcommittee**
- b. **Finance Subcommittee**

14. Adjournment

East Lyme
Water & Sewer Commission
August 27th, 2024 Meeting Minutes

(Faint, illegible text, possibly a stamp or signature)

**EAST LYME
WATER & SEWER COMMISSION**

2024

AGENDA# 2a

Minutes of East Lyme Water & Sewer Commission - 08/27/24

Date and time: 08/27/24 7:00 PM to: 08/27/24 8:07 PM

Present: Brooke Stevens, Recording Secretary, Commission Members:, David J. Murphy, David R. Zoller, David B. Bond, Carol Russell, Lindsay Bollenbach, Michelle Royce Williams, Roger L. Spencer, Ken Roberts, Dan Cunningham, Chairman

CC: Attorney Harry Heller, Ben North, Municipal Utility Engineer, Mark Zamarka, Town Attorney, Ann Cicchiello, Deputy First Selectman

Location: East Lyme Town Hall, Upper Conf. Room, 108 Pennsylvania Ave., Niantic, CT, 06357

Link: <https://app.meetingking.com/meetings/417669>

Topics


1. Call to Order & Pledge of Allegiance

Note Chairman Cunningham called the August 27th, 2024, Regular Meeting of the East Lyme Water & Sewer Commission to order at 7:00 p.m. and did roll call; a quorum was present.
Mr. Cunningham introduced new member, Lindsey Bollenbach.

2. Approval of Minutes

2-1. Regular Meeting Minutes of July 23rd, 2024

Note see attachment.

 [Water-Sewer-July-23-2024-Minutes.pdf](#)

Decision MOTION (1)


Mr. Zoller moved to approve the Meeting Minutes of July 23rd, 2024, as submitted.
Mr. Murphy seconded the motion.
Motion carried, 9-0-0.

3. Delegations

Note There was none.

4. Correspondence Log

Note see attachment.


 [0679_001.pdf](#)

Note The Commission Members had no comments in regard to the Correspondence Log.

5. Billing Adjustments/Disputes

5-1. 135 Boston Post Road

Note see attachment.

 [0680_001.pdf](#)

Note Mr. North discussed a billing dispute regarding 135 Boston Post Road, where a meter error led to underbilling for water usage. He explained that the meter had been reading only 10% of the actual water usage due to a programming error.

Note Mr. North mentioned that it took some time to diagnose the issue. They needed to confirm that they had the correct meter, so several work orders were issued during different visits. Once confirmed, they informed the property owner in a July letter about their findings and acknowledged the long-standing error. They've followed the established process with the Commission for handling external meters that show readings slightly lower than the actual meter. Typically, the discrepancy is around 10% to 15%, not the 90% difference observed in this case. Nonetheless, they calculated the bill using the lowest readings and issued the May billing as the adjusted amount.

Note Mr. North added that the last bill reviewed was for November, initially charging for 47,000 gallons. Mr. Giusti's payment, detailed on the second sheet, amounted to \$873.54. The current bill reflects a new charge for 570,000 gallons, and it includes the 470,000 gallons that should have been billed in November, after deducting the volume already accounted for by Mr. Giusti's payment. Therefore, Mr. Giusti is inquiring if the Commission would consider a form of compromise.

Note Rich Giusti, the property owner, is dealing with an unexpected \$20,000 bill and is struggling to distribute the cost among his tenants fairly. He has a diverse group of tenants: a laundromat, a restaurant, a dance studio, and a small office, all of which use water. They typically charge for utilities—electricity, water, insurance—based on the percentage of space occupied. For example, if you have 1,000 square feet in a 9,000 square foot building, you pay 1% of the costs. This method works well for shared electricity costs, like lighting a parking lot.

The water bill was always low, so it wasn't scrutinized until they were informed about a year ago that new water meters were required. Despite reaching out to EJ Prescott for installation, there was no response. Mr. North has also been involved in these discussions. Without feedback or pricing from the exclusive vendor, they were unable to proceed with the meter replacement. Then, this past July, they received an invoice for \$20,000.

Note Mr. Giusti explained that after understanding the situation, they installed a new remote reader. It was confirmed to be calibrated correctly, which was news to both them and the town. The main issue he faces is the lack of a method to bill the tenants fairly, except by a percentage, which wouldn't be right for the studio and office spaces. Consequently, he's covering the costs himself, as there's no equitable way to distribute them among the tenants.

Note Ms. Royce Williams asked Mr. North whether there's any indication of misreading other large meters, to which Mr. North responded that he hasn't encountered any evidence of such. With approximately 100 large meters in the town, he's unsure if they've reviewed all of them. EJ Prescott, who, despite not being their sole vendor, was notably adept at calibrating meters, particularly Sensus meters, but they have ceased supplying Sensus meters, and now Fort Main can provide this service, but they obviously want more than one vendor, which has led to some delays in the process.

Note Mr. Roberts asked if there's a precedent for this and Mr. North replied this is outside the normal scenario and knows of nothing comparable.

Note Mr. North clarified that traditionally, a two-year review period was standard before shifting to one-year reviews.

Note Mr. Bond expressed difficulty in providing relief based on two bills and inquired about the responsibility for calibration. Mr. North clarified that the calibration of large meters falls under the owner's responsibility and provided a brief overview of the town-wide meter replacement project.

Note Mr. Giusti said they acted as soon as the problem was ascertained and noted that this is not a loss he benefited from; he did not consume the water.

Note Mr. Bond said essentially every other customer on this system paid for this water usage and Mr. Giusti said he had no means of knowing there was a problem.

Note The Commission debated the possibility of providing some relief on the bill, considering the unusual nature of the error, as well as the fairness of billing back to 2002 versus just the recent bills, given the long-standing error.

Note MOTION (2)

Mr. Spencer moved that a more extensive examination of the account history be done to ascertain the total losses and to postpone the discussion until the following month.

Mr. Bond seconded the motion.

Note Ms. Royce Williams mentioned that if the discussion is postponed until next month, she would appreciate some clarity on the statute of limitations matter. She understands the points being made, but she's under the impression that for regulated utilities, a statute does exist. She's aware that we are not a regulated utility and thus have some discretion, but she is still interested in knowing if a legal benchmark exists for back billing, particularly in cases where the billing was inaccurate.

Note Ms. Royce Williams expressed her reluctance to have Mr. Giusti bear interest due to their delay. She is uncertain if her Commission members concur, but she desires to halt Mr. Giusti's interest accrual. Mr. North interjected that it should be noted for the record that they had already done so during their discussions.

Decision MOTION (3)

Mr. Spencer revised his motion, proposing a thorough review of the account history to determine the total losses, to investigate the existence of a legal benchmark for back billing, and to defer the discussion to the next month.

Mr. Bond amended his second.

Motion carried, 9-0-0.

6. 1 in 10 Adjustments (For Informational Purposes Only)

Note Mr. North discussed the "1 in 10" program, which allows for adjustments in water and sewer bills based on abnormal usage and explains how it helps detect leaks. The program allows for an adjustment to the water and sometimes the sewer bill based on the difference between the customer's typical usage and their current abnormal usage, blending the two. It's a compromise for cases where usage is significantly higher, with a threshold of 33% above the typical water bill.

The adjustment is made so the bill is between half of the normal amount and the abnormally high charge. The sewer portion of the bill is adjusted only if the excess water did not enter the sewer system. For example, a toilet flapper valve leak, where water continuously enters the sewer, requires treatment and is billed accordingly. However, for leaks outside the sewer system, we only bill for the typical sewer usage.

6-1. 99 Laurelwood Drive

6-2. 15 Joval Street

6-3. 41 Saunders Drive

Decision MOTION (4)


Mr. Cunningham proposed moving the item "Discussion & Possible Action on a Consideration of Sewer Capacity Allocation to Parkers Place, LLC, Located at Park Place, East Lyme" to the next item in the agenda.

Mr. Zoller seconded the motion.


Motion carried, 9-0-0.

7. Discussion & Possible Action on a Consideration of Sewer Capacity Allocation to Parkers Place, LLC, Located at Park Place, East Lyme

Note see attachment.

 [0681_001_\(1\).pdf](#)

Note see attached map.

 [0682_001.pdf](#)

Note Mark Zamarka, the Town Attorney, clarified that they're considering a sewer capacity application as per the 2019 ordinance. The Town Attorney's Office suggests a public hearing for this application, which falls under the Commission's authority according to the ordinance. This step is proposed because sewer capacity is a sensitive topic here; our capacity is limited, and significant portions are already spoken for. Given these circumstances, it would serve everyone's best interests — the applicant, the Commission, the town, and any other involved parties with existing capacity allocations — to proceed with a comprehensive public hearing. They strongly advise the Commission to opt for this course of action.

Note Mr. Zamarka clarified that the public hearing follows specific timelines outlined in the land use statutes, particularly section 8-7D of the General Statutes. The hearing must start within 65 days from today, and once it begins, it must wrap up within 35 days, and a decision is due within 65 days post-hearing. While these periods can be extended by up to 65 days, only the applicant has the power to do so; the Commission itself can't extend these deadlines.

Note Attorney Harry Heller from Montville, CT, representing the Applicant, stated he would refrain from giving testimony as a public hearing is imminent. However, he noted that in a recent meeting with Mr. Goeschel and Mr. Mulholland, they discussed the project's design. The current proposal includes 60 units across two buildings within the sewer shed area of a divided property. The plan is to amend the application to propose relocating the sewer shed line to the property's edge, which would not increase the allocation or number of units but would allow for a superior design and more appealing units.

Note MOTION (5)

Mr. Murphy moved to table and schedule a Public Hearing on Consideration of Sewer Capacity Allocation to Parkers Place, LLC, Located at Park Place, East Lyme, for September 24th, 2024.

Mr. Roberts seconded the motion.

Decision MOTION (6)


Mr. Murphy amended his previous motion to include the Public Hearing start time of 6:30 p.m.

Mr. Roberts amended his second.

Motion carried, 9-0-0.

8. Approval of Bills

Note see attachment A.

 [0684_001.pdf](#)

Note The Commission briefly discussed the bills that need approving.

Decision MOTION (7)

Mr. Murphy moved to approve the bill associated with Well 5.

Mr. Zoller seconded the motion.

Motion carried, 9-0-0.

Decision MOTION (8)

Mr. Zoller moved to approve bills 2a and 2b; the bills associated with the PFAS Preliminary Engineering Survey.

Mr. Murphy seconded the motion.

Motion carried, 9-0-0.

9. Finance Director Report

Note Mr. North reported that the Finance Director is on vacation, but the year-end closeout will be discussed at the next meeting.

10. Project Updates

Note Mr. North briefly discussed project updates including wrapping up commuter and well projects and gearing up for new projects like sewer pricing and alternative analysis updates.

11. Discussion on Annual Consumer Confidence Water Quality Report

Note <https://eltownhall.com/wp-content/uploads/2024/06/2023-CCR-Final-Report-w-att.pdf>

Note Mr. North detailed the Annual Consumer Confidence Water Quality Report, which is now available online.

Note Mr. North mentioned that following the Commission's suggestions, they've included additional information that goes beyond the EPA's required criteria. The Water Department now provides customers with a link to this detailed water quality data related to the wells. Additionally, they offer a map showing a rough area of the wells' locations, allowing residents to gauge their proximity to these wells. He pointed out that our water containment regulations are quite standard, termed as such due to the constituents found in the water. He also noted with satisfaction that the levels of disinfectant byproducts in our water are consistently low.

Note Mr. North and the Commission further discussed the report as well as plans to explore new well sites and update the water supply plan, with a focus on the PFAS project and potential future costs.

12. Chairman's Report

Note Mr. Cunningham detailed the tour he received of the York Correctional Facility, which the Commission discussed.

Note Ms. Royce Williams asked about the Nature Conservancy grant for restoration work at Bride Lake and Mr. Cunningham confirmed that the town is not involved in this project.


Note Mr. Murphy asked about Gates Prison and discussed how they have never used 100% of their capacity.

Note Mr. Cunningham responded that he's uncertain if now is the right time or if it's appropriate but acknowledged that a discussion might be necessary in the future. He indicated that there are other issues that need to be addressed first. He believes that's the crux of the matter. Indeed, there are many factors and variables to consider, especially with the reduction in usage at the facility due to the closure of Gates Prison.

13. Staff Updates

13-1. Water Department Monthly Report

Note see attachment.


 [0685_001.pdf](#)

Note Mr. North discussed water department updates which included stable production numbers, a recent incident with a contractor hitting a water main, and ongoing sampling and maintenance.

Note Ms. Russell discussed the potential for contractors to carry liability for accidents and Mr. North emphasized the importance of maintaining good working relationships and noted what a great job staff did addressing the cleanup.

13-2. Sewer Department Monthly Report

Note see attachment.

 [0687_001.pdf](#)

Note Mr. North gave an update on sewer maintenance, mentioning that the new meter installed in April is yielding precise flow data, surprisingly lower than what's typical for July. He detailed how the magnetic flow meter works and its precision, pointing out its lack of moving parts. He contrasted this with larger meters that still operate on floating ball technology, although he noted that newer bag meters are starting to make an appearance.

14. Future Agenda Items

14-1. Capital Projects Subcommittee & Finance Subcommittee

Note Mr. Cunningham and Mr. North discussed the need to address capital projects, as well as finance, and rates in upcoming meetings.

Note Ms. Russell suggested adding capacity strategizing to future agenda items.

15. Adjournment

Decision MOTION (9)

Mr. Roberts moved to adjourn the August 27th, 2024, Regular Meeting of the Water & Sewer Commission at 8:07 p.m.

Mr. Bond seconded the motion.

Motion carried, 9-0-0.

Note Respectfully Submitted,
Brooke Stevens, Recording Secretary Pro Tem.

Request for Water & Sewer Commission

TO: Water & Sewer Commission
FROM: Ben North, Chief Operating Officer
DATE: September 24, 2024

SUBJECT: Application for Sewer Capacity Allocation - Parker Place LLC

Summary of Agenda Item:

East Lyme Sewer Department has received an application for sewer capacity allocation for a development to be located on Park Place, East Lyme by Parker Place LLC. The applicant is requesting capacity to build 60 residential units ranging from single to two-bedroom dwellings. The applicant has followed the Sewer Department’s procedure for requesting allocation according to the “Applications for Determination of Adequacy of Sewer Capacity Pursuant to General Statutes §7-246a(a)(1)” and is requesting 18,000 gallons per day of sewer capacity.

Potential Motion:

Motion to approve the allocation of 18,000 gallons per day of sewer capacity to Parker Place LLC (located on Park Place Map 11.1 Lot 11 on East Lyme Tax Assessor’s Mapping) based on the application for capacity dated August 14, 2024.

Attachments: Parker Place LLC sewer capacity allocation application and related documents, “Applications for Determination of Adequacy of Sewer Capacity Pursuant to General Statutes §7-246a(a)(1)” regulations, a August 2024 analysis of available sewer capacity, revised from February 2023.

Prepared By: Ben North, Chief Operating Officer

<p>W&S Agenda Item No. <u>5</u> Date: 9/24/24</p>
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APPLICATIONS FOR DETERMINATION OF ADEQUACY OF
SEWER CAPACITY PURSUANT TO GENERAL STATUTES §7-246a(a)(1)

Sewage treatment for the Town of East Lyme is limited. Pursuant to an agreement with the City of New London and Town of Waterford, East Lyme is currently entitled to a maximum of 1.5 million gallons per day of sewer treatment capacity at the New London Regional Water Pollution Control Facility. In order to ensure that there is adequate capacity for all customers, the Commission adopts the following regulation for applications for sewer treatment capacity pursuant to General Statutes §7-246a(a)(1).

- I. Application. For all development projects that either (a) request a connection for more than 20 residential units or (b) require more than 5,000 gallons per day of sewage treatment capacity, an application, pursuant to General Statutes §7-246a(a)(1), for determination of adequacy of sewer capacity related to a proposed use of land, shall be submitted to the East Lyme Water and Sewer Commission ("Commission") on a form satisfactory to the Commission, and shall include all of the following:
 1. A class A-2 survey of the property to be developed, showing the general layout of the proposed use of land;
 2. Proof that the applicant owns the property to be developed, or has the right to develop the property, and
 3. Documentation supporting the amount of capacity being requested.
 - a. Documentation related to a proposed residential development shall include the number of residential units, the numbers of bedrooms per unit, and the methodology used in calculating the amount of capacity being requested.
 - b. Documentation related to a proposed non-residential or commercial development shall include the methodology used in calculating the amount of capacity being requested, and any special circumstances (i.e. the type of sewage being treated, design specifications, etc.) that would affect the amount of capacity being requested.
 - c. The Commission reserves the right to request from an applicant such other information that it deems necessary.

4. A non-refundable application fee of \$500.00 shall be paid when an application is submitted. An additional public hearing fee of \$450.00 may be assessed if applicable.

II. Duration.

1. Within 12 months after the expiration of the appeal period of a capacity allocation, the applicant shall (1) apply for all necessary land use approvals for the proposed use of land, and (2) provide proof of all such applications to the Commission. If an applicant fails to apply for all necessary land use approvals, or fails to provide proof of such applications to the Commission within this 12-month period, the sewer capacity allocated to the applicant shall terminate and be considered null and void.
2. If the applicant fails to obtain all land use approvals required for the proposed use of land, the sewer capacity allocated to the applicant shall terminate and be considered null and void.
3. The Commission will notify an applicant in writing when an allocation has terminated. The failure of the Commission to provide written notice in a timely manner shall not constitute or be construed as a waiver of the Commission's right to declare a terminated allocation null and void.
4. A capacity allocation shall be in effect for a period not to exceed 48 months from the expiration of the appeal period of the applicant's last land use approval with no appeal having been taken therefrom or an unappealed decision of a court of competent jurisdiction adjudicating such land use appeal. The Commission may extend an allocation of sewer capacity beyond 4 years if it determines, in its sole discretion, that good cause exists.
5. If the amount of sewer treatment capacity needed by an applicant decreases during the land use approval process, the applicant shall notify the Commission immediately.

III. Public Hearing. The Commission may, in its sole discretion, hold a public hearing on any application. Any such public hearing shall be in accordance with the provisions of General Statutes 8-7d.

IV. Criteria. In making a decision on an application the Commission may consider, without limitation, the following:

Need for service in the proposed development area

Other pending applications and areas in town designated for sewer service

Pollution abatement and public health

Limitations and policies for sewer service

Local and state Plans of Conservation and Development

Effect of inflow and infiltration on available capacity

Whether the proposed development area can be serviced by other means

Whether the proposed development area is within the East Lyme Sewer Service District

Size of property proposed to be developed

Remaining sewerred and unsewerred land area of town

Effect of the allocation on remaining capacity

Safe design standards of the East Lyme sewer system

- V. Prior Regulation. This Regulation shall supersede the Interim Sewer Connection Procedure adopted by the Commission on September 25, 2018.

East Lyme Sewer Department Sewer Capacity Allocations - August 2024 Update							all figures in gallons	
Average Daily Flow Capacity Allocation							1,022,000	
Average Daily Flow - 2 Year Average							815,000	
Average Daily Flow Remaining - 2 Year Average							207,000	
A	Applicant/Development	Type of Use	Additional Project Description	Sewer Capacity Requested or Need Anticipated	Sewer Capacity Allocated and Anticipated			
1	Landmark Dev. Group	Residential	Apartments	118,400	118,400			
2	Nehantic Village	Medical / Residential		75,000	75,000			
Subtotal Gallons Per Day (Group A)							193,400	
B	Prior Approved Projects Under Construction (>5,000 gpd and greater)			Original Capacity Requested	Construction Completion to date %			
1	Village Crossing (Not Updated)			14,400	66%	4,752		
2	Orchards Subdivision (Not Updated)			42,600	81%	8,307		
3	183-185 Main St (ZDM)			3,600	0%	3,600		
4	Brookside Apartments - About 1/3 Occupied			35,400	31%	24,600		
Subtotal GPD (Group B)							41,259	
C	Estimated Future Development Needs Based on Previously Assessed Properties Not Presently Connected (Last Updated 2/2023)							
1	Existing Buildings Assessed but not Connected			Res/ Comm/ Ind	Sewer	76,300	76,300	
2	Vacant Properties in Assessed Areas			Res/ Comm/ Ind	Sewer	60,700	60,700	
3	Pennsylvania Ave Sewer Area			Res/ Comm/ Ind	Area to be	37,347	37,347	
Subtotal GPD (Group C)							174,347	
D	Sewer Capacity Requested by Parkers Place LLC (Group D)							
Total Sewer Capacity Allocated, Anticipated, and Requested (A+B+C+D)							427,006	
Average Daily Flow Remaining 2 Year Average							207,000	
Sewer Capacity Remaining							-220,006	



August 14, 2024

Ben North, Utilities Engineer
East Lyme Water & Sewer Commission
108 Pennsylvania Avenue
Niantic, CT 06357-1510

RE: Proposed Multi-Family Development
Tax Assessor's Map 11.1 Lot 11
Park Place, Norwich, CT

Dear Mr. North

On behalf of the owner and applicant, Parkers Place, LLC enclosed please find the following documents in support of a request for determination of adequacy of sewer capacity related to a proposed 60-unit multi-family development on a parcel located on Park Place and identified as Map 11.1 Lot 11 on Tax Assessor's Mapping.

- a. Proof that the applicant, Parkers Place, LLC is also the property owner
- b. Survey of the property to be developed certified to horizontal accuracy Class A-2
- c. Plan entitled "Concept Layout – Sewer Allocation" depicting the development, including 2 multi-family buildings with (20) 2-bedroom units and (40) 1-bedroom units totaling 60 units and 80 bedrooms. Also included on the plan are the following:
 - o Site Location Map
 - o Sewer Shed Location Map
 - o Unit & Sewer Flow Table with calculated sewer use based on quantity/type of units and a daily flow rate of 150 GPD per bedroom
 - o Soil Test Data

We have completed our preliminary evaluation of the site in support of the proposed development, including survey, soil testing, preliminary, site layout, and traffic impact review. Once a determination of adequacy of sewer is made by the Water & Sewer Commission, we will move forward with the full site design, including utility plans, profiles, and details, which will be submitted as part of site plan review.

Should you have any questions or need additional information, please don't hesitate to contact me at (860) 367-7264 or via email brandon@yrc-ne.com.

Sincerely,

A handwritten signature in blue ink that reads "BRANDON".

Brandon Handfield, PE
Civil Engineer

Enc.

Cc: Parkers Place, LLC (1 copy)



Secretary of the State of Connecticut Certificate of Organization

Domestic Limited Liability Company

Filing Details

Filing Number: 0010677956

Filed On: 7/12/2022 3:50:27 PM

Primary Details

Name of Limited Liability Company: Parkers Place, LLC
Business ALEI: US-CT.BER:2597618
Business Email Address: pazzooffice@gmail.com
NAICS Information: New Single-Family Housing Construction (except For-Sale Builders) (236115)

Business Location

Principal Office Address: 172 Boston Post Rd, East Lyme, CT, 06333-1764, United States

Mailing Address: PO Box 817, East Lyme, CT, 06333, United States

Appointment of Registered Agent

Type: Individual
Agent's Name: Jason Pazzaglia
Business Address: 172 Boston Post Rd, East Lyme, CT, 06333-1764, United States
Residence Address: States
172 Boston Post Rd, East Lyme, CT, 06333-1764, United States
Mailing Address: PO Box 817, East Lyme, CT, 06333, United States

Agent Appointment Acceptance

Agent Signature:
This signature has been executed electronically

Manager or Member Information

Name	Title	Business Address	Residence Address
Jason Pazzaglia	Member	172 Boston Post Rd, East Lyme, CT, 06333-1764, United States	172 Boston Post Rd, East Lyme, CT, 06333-1764, United States

Filing Number: 0010677956

Filed On: 7/12/2022 3:50 PM



Secretary of the State of Connecticut Certificate of Organization

Domestic Limited Liability Company

Acknowledgement

I hereby certify and state under penalties of false statement that all the information set forth on this document is true.

I hereby electronically sign this document on behalf of:

Name of Organizer: Jason Pazzaglia
Organizer Title: Member

Filer Name: Jason Pazzaglia
Filer Signature: Jason Pazzaglia
Execution Date: 07/12/2022

This signature has been executed electronically

VOL: 1084 PG: 309
INST: 00002099

Return to:
Jason Pazzaglia
PO Box 817
East Lyme, CT 06333

WARRANTY DEED-STATUTORY FORM

DANIEL E. COFFEY and SUSAN COFFEY of the Town of Waterford, County of New London and State of Connecticut

For consideration of TWO HUNDRED TWENTY-FIVE THOUSAND AND 00/100 (\$225,000.00) Dollars paid, grant to PARKERS PLACE, LLC, of the Town of East Lyme, County of New London and State of Connecticut

With WARRANTY COVENANTS

A certain tract or parcel of land and the improvements thereon known as, Park Place located in the Village of Niantic, Town of East Lyme, County of New London and State of Connecticut more particularly described on Schedule A attached hereto and made a part hereof by this reference.

Said premises are conveyed subject to any and all provisions of any ordinance, municipal regulation or public or private law, including planning and zoning.

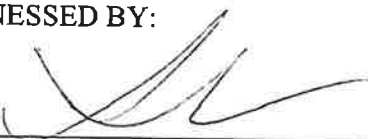
Said premises are conveyed subject to municipal and utility easements as of record may appear.

The Grantee herein assume and agree to pay any and all taxes and/or assessments on the property being conveyed by this deed and hereinafter coming due.

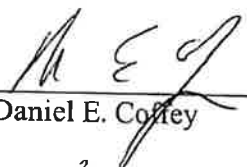
CONVEYANCE TAX RECEIVED
STATE \$ 1687.50
TOWN \$ 562.50
EAST LYME, CT TOWN CLERK

Signed this 13th day of July, 2022.

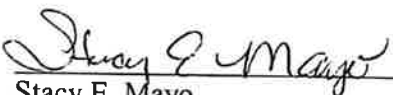
WITNESSED BY:



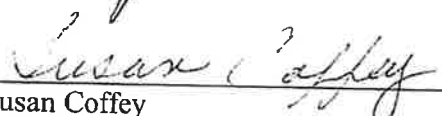
Theodore A. Harris, Esq.



Daniel E. Coffey



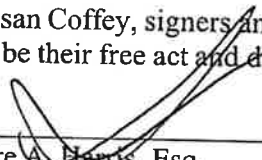
Stacy E. Mayo



Susan Coffey

STATE OF CONNECTICUT)
) ss: Niantic
COUNTY OF NEW LONDON)

Personally appeared, Daniel E. Coffey and Susan Coffey, signers and sealers of the foregoing instrument, and acknowledged the same to be their free act and deed, before me.



Theodore A. Harris, Esq.
Commissioner of the Superior Court

Latest Mailing Address of Grantee:
PO BOX 817
East Lyme, CT 06333

SCHEDULE A

VOL: 1084 PG: 311
INST: 00002099

Commencing at a point in a stonewall three hundred (300) feet northwesterly from an iron pipe at the highway line of Route 156, also known as West Main Street, as measured along said stonewall; and thence running
Northwesterly along said stonewall and land now or formerly of Charles B. and Anne M. Watrous to a drill hole; and thence continuing
Northwesterly, one hundred sixty-four and four-tenths (164.4) feet along a stonewall and said Watrous land and along a line forming an interior angle of 181° 57' to a drill hole; and thence running
Southeasterly, thirty-eight and two-tenths (38.2) feet along a stonewall and said Watrous land and along a line forming an interior angle of 268° 43' with the last line to a drill hole; and thence running
Northwesterly, one hundred sixty-nine and five-tenths (169.5) feet along a stonewall and along land now or formerly of Ross E. Huntley and along a line forming an interior angle of 107° 15' with the last line to a drill hole; and thence continuing
Northwesterly, one hundred one and five-tenths (101.5) feet along a wall and said Huntley land and along a line forming an interior angle of 175° 36' with the last line to an angle; and thence continuing
Northwesterly, seventy-eight and eight-tenths (78.8) feet along said wall and said Huntley land and along a line forming an interior angle of 181° 32' with the last line to a drill hole; and thence running
Northwesterly, one hundred twenty-nine and one-tenth (129.1) feet along a stonewall and said Huntley land and along a line forming an interior angle of 190° 48' with the last line to an angle; and thence continuing

Northwesterly, one hundred forty-six (146) feet along a wall and said Huntley land and along a line forming an interior angle of 178° 48' with the last line to a drill hole; and thence running
Easterly, nineteen and seven-tenths (19.7) feet along said Huntley land and along a line forming an interior angle of 211° 30' with the last line to a drill hole; and thence running
Northwesterly, one hundred thirty-two and six-tenths (132.6) feet along a line forming an interior angle of 45° 41' with the last line to an iron pipe at the base of a large boulder; and thence running
Easterly, one hundred sixty-two and seven-tenths (162.7) feet along land now or formerly of Joseph Romagna and along a line forming an interior angle of 117° 54' with the last line to a drill hole; and thence continuing
Easterly, one hundred forty-nine and seven-tenths (149.7) feet along said Romagna land and along a line forming an interior angle of 184° 21' with the last line to a drill hole in a boulder; and thence continuing

Easterly, one hundred twenty and nine-tenths (120.9) feet along said Romagna land and along a line forming an interior angle of 183° 49' with the last line to a drill hole; and thence continuing
Easterly, one hundred forty-six and five-tenths (146.5) feet along said Romagna land and along a line forming an interior angle of 181° 19' with the last line to a drill hole; and thence continuing
Easterly, one hundred fifty (150) feet along said Romagna land and along a line forming an interior angle of 192° 46' with the last line to a drill hole; and thence continuing
Easterly, twenty-four and two one-hundredths (24.02) feet along said Romagna land and along a line forming an interior angle of 179° 08' to land now or formerly of Coffey; and thence running
Southerly, two hundred forty-nine and seventy-six one-hundredths (249.76) feet along said Coffey land and along a line forming an interior angle of 90° with the last line to an angle; and thence running
Easterly, one hundred forty-five (145) feet, more or less, along said Coffey land and along a line forming an interior angle of 30° with the last line to the westerly line of Park Place; and thence running
Southerly and Southeasterly along Park Place one hundred fifty (150) feet; and thence running
Westerly, along other land of George A. Pappas to the place of beginning.

RECEIVED FOR RECORD
Jul 20, 2022 01:00:22P
Karen Miller Galbo
TOWN CLERK
EAST LYME, CT

Being a portion of the premises described in a warranty deed from Structa Unlimited, Inc. to George A. Pappas, on file in the East Lyme Land Records.

Said premises are subject to a right of way to said land now or formerly of Joseph Romagna.

9/5/2024

East Lyme Water and Sewer Commission
108 Pennsylvania Ave
Niantic, CT 06357

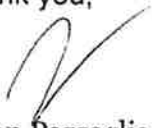
Mr. Ben North
East Lyme Water & Sewer Dept

RE: Parkers Place, LLC
Park Place Property
8/27 meeting: Discussion and Possible Action on a Consideration of Sewer Capacity
Allocation to Parkers Place, LLC Located at Park Place, East Lyme

Dear Ben,

As addressed at the 8/27 Water and Sewer Commission meeting, I respectfully request that the sewer shed line be moved to encompass the entire parcel at Park Place. This will allow for design flexibility as requested by the planning and zoning department.

Thank you,



Jason Pazzaglia

Parkers Place, LLC
PO Box 817
East Lyme, CT 06333
860-961-2364



307
Richard S. Gode, Sr. Trustee
Vol. 1040 Page 406

307
Village Crossing of Niantic LLC
Vol. 870 Page 135

307
Richard S. Gode, Sr. Trustee
Vol. 1040 Page 406

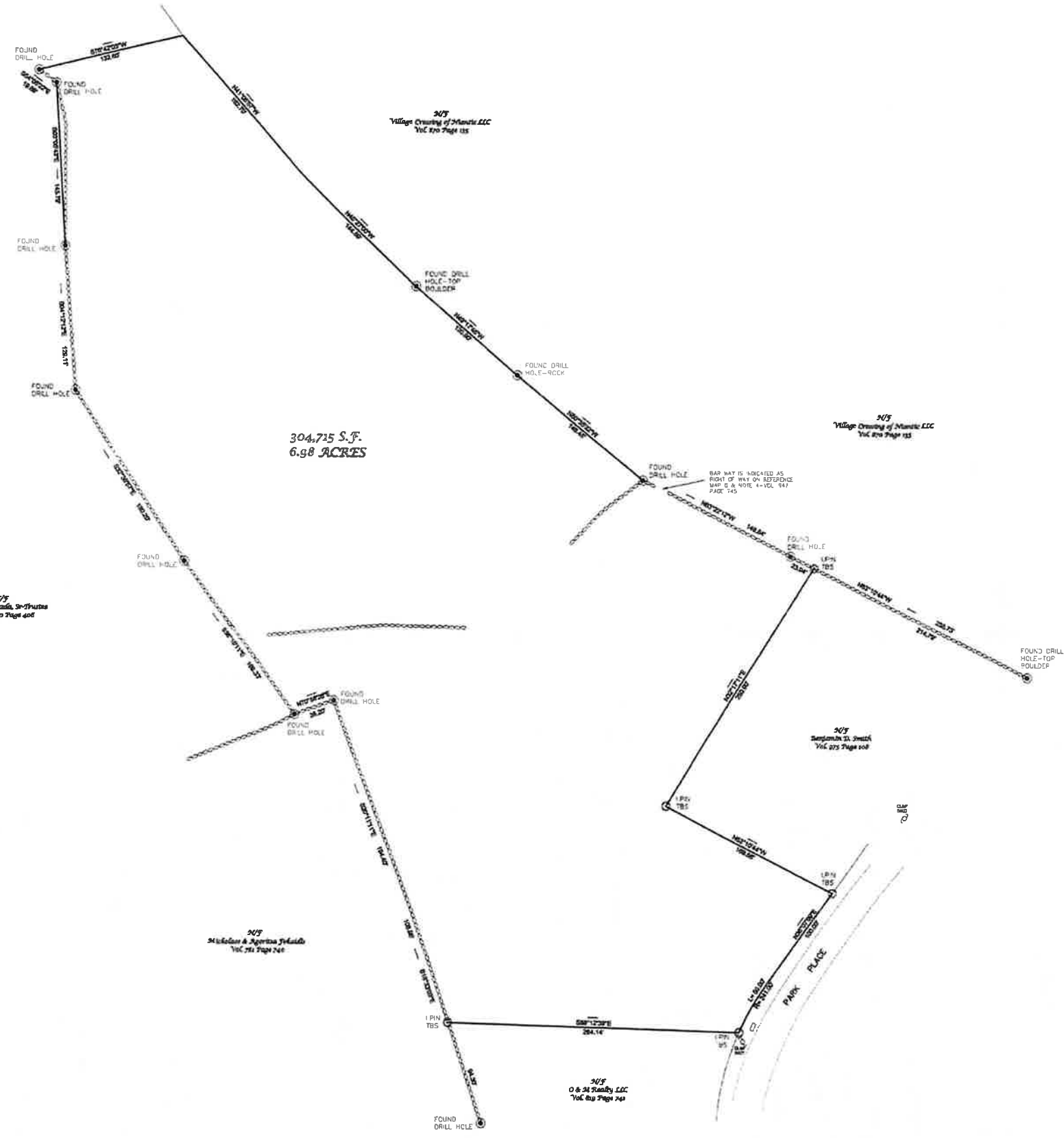
307
Village Crossing of Niantic LLC
Vol. 870 Page 135

307
Sergeant St. Street
Vol. 275 Page 308

307
St. Michael & Agostino Tofaloni
Vol. 74 Page 740

307
O & M Realty LLC
Vol. 850 Page 740

304,715 S.F.
6.98 ACRES



NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A PROPERTY SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND IS INTENDED TO SHOW THE PROPERTY BOUNDARY.
2. TOTAL AREA OF SUBJECT PROPERTY EQUALS 304,715 S.F. OR 6.98 ACRES.
3. SUBJECT PROPERTY LIES IN ZONING DISTRICT R-40
4. SAID PREMISES ARE SUBJECT TO A RIGHT OF WAY TO SAID LAND NOW OR FORMERLY OF JOSEPH ROMAGNA, REFERENCE MAP G.

REFERENCE MAPS

- A. TOWN OF EAST LYME TAX ASSESSOR'S MAP 11.1 LOT 11
- B. PLAN SHOWING SUBDIVISION ON PROPERTY OWNED BY GEORGE PAPPAS-EAST LYME, CONNECTICUT-SCALE: 1"=80'-DATED: NOV. 1958-PARK PLACE BY WILLIAM J. NELAN, P.E. & L.S.
- C. PLAN INDICATING PROPOSED BLDG LOT OWNED BY STRUCTO UNLIMITED INC-EAST LYME, CONNECTICUT-SCALE: 1"=40'-DATED: AUG. 1962 BY D.S. HEBBERT, P.E. & L.S.
- D. PROPERTY LINE SURVEY-OWEN COFFEY-PARK PLACE-NIANTIC, CONN.-SCALE: 1"=40'-DATED SEPT. 14, 1964 BY McWAY ENGINEERING ASSOC.
- E. BOUNDARY SURVEY-RECORD SUBDIVISION MODIFICATION-OF LAND OF JAMES M. BARONE-JAMES A. BARONE & MICHAEL NEBELUNG-BEING A REVISION OF PARCEL "A" ON "PLAN SHOWING THE BUILDING LOTS ON LAND OF JOSEPH ROMAGNA-EAST LYME, CONN." AND IS ALSO SHOWN AS "ASSESSOR'S MAP 11.1 LOT 18 & ASSESSOR'S MAP 16.3 LOT 1-BUSH HILL DRIVE & PARK PLACE-EAST LYME, CONNECTICUT-SCALE: 1"=100'-DATED: DECEMBER 21, 2007-REV. 5/9/08 BY FINN SURVEY.
- F. IMPROVEMENT LOCATION MAP-PREPARED FOR THE BODD BARN-41 WEST MAIN STREET-NIANTIC, CONNECTICUT-SCALE: 1"=30'-DATED: AUGUST 24, 2018 BY J. ROBERT PFANNER & ASSOCIATES, P.C.
- G. PLAN OF PROPERTY OWNED BY JOSEPH ROMAGNA-EAST LYME, CONN.-SCALE: 1"=100'-DATED: AUG. 1958 BY C. BANNING.

LEGEND

- 1/2" IRON PIPE RECOVERED
- 1/4" IRON PIN RECOVERED
- 1/2" MERESTONE RECOVERED
- 1/4" CONNECTICUT HIGHWAY MONUMENT RECOVERED
- DRILL HOLE RECOVERED
- IRON PIN TO BE SET
- DRILL HOLE TO BE SET
- MONUMENT TO BE SET
- EXISTING CONTOUR
- PROPOSED CONTOUR
- BUILDING LINE
- WATER LINE
- UTILITIES (PHONE, ELEC., CABLE, TV, ETC.)
- UTILITY POLE
- STONE WALL
- WIRE FENCE
- TREE LINE / LIMITS OF CLEARING

THIS MAP AND SURVEY CONFORMS TO A CLASS A-2 SURVEY AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IS SUBSTANTIALLY CORRECT AS NOTED HEREON (SEE NOTE 1)

Robert C. Simoni, L.S.
ROBERT C. SIMONI, L.S.

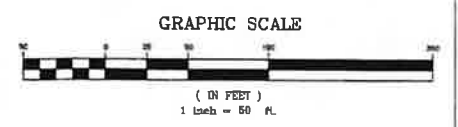
LS No. 17254

THESE PLANS ARE THE SOLE PROPERTY OF ROBERT C. SIMONI, L.S. AND HAVE BEEN PREPARED SOLELY FOR THE OWNER ON THIS SITE. ANY REPRODUCTION OF THESE PLANS WITHOUT WRITTEN PERMISSION FROM ROBERT C. SIMONI, L.S. MAY BE AN INFRINGEMENT OF THE FEDERAL COPYRIGHT ACT.

DRAWN BY: RCS		DATE: AUGUST 14, 2022	
NO.	DATE	DESCRIPTION	BY
REVISIONS			



ROBERT C. SIMONI
LICENSED LAND SURVEYOR
P.O. BOX 191 - OLD SAYBROOK, CONNECTICUT 06475
TEL. 860-304-6920 simoni@rplcvll.com



TITLE:
PROPERTY SURVEY
PREPARED FOR
PAZI CONSTRUCTION LLC
LOCATION: PARK PLACE-EAST LYME, CONNECTICUT

SHEET NUMBER
1
OF
1
BS-1722-PARKPL4CE.dwg

PUBLISHER'S CERTIFICATE

State of Connecticut
County of New London,

Personally appeared before the undersigned, a Notary Public within and for said County and State, Kelly Johnson, Legal Advertising Clerk, of The Day Publishing Company Classifieds dept, a newspaper published at New London, County of New London, state of Connecticut who being duly sworn, states on oath, that the Order of Notice in the case of

TOWN OF EAST LYME WATER AND SEWER
COMMISSION Notice of Publi

A true copy of which is hereunto annexed, was published in said newspaper in its issue(s) of

09/13/24, 09/18/24

Cust: TOWN OF EAST LYME - SEWER DEPT

Ad #: d01085244

Kelly Johnson

Subscribed and sworn to me

This Thursday, September 19, 2024

Maryellen Sabatino

Notary Public

My commission expires

5/31/29

d01085244

TOWN OF EAST LYME WATER AND SEWER COMMISSION Notice of Public Hearing

The East Lyme Water and Sewer Commission will hold a Public Hearing on September 24, at 6:30 p.m., at the East Lyme Town Hall, 108 Pennsylvania Avenue, Niantic, CT, to consider the following:

Application for determination of sewer capacity filed by Parkers Place LLC, regarding the properties set forth in the application and identified on the East Lyme Tax Assessor's Map as Map/Lot 11.1/11.

Copies of the application are available for public viewing in the offices of the Town Clerk and the Water and Sewer Department.

Daniel Cunningham,
Chairman

d01085244

TOWN OF EAST LYME WATER AND SEWER COMMISSION Notice of Public Hearing

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Daniel Cunningham,
Chairman

Request for Water & Sewer Commission

TO: Water & Sewer Commission
FROM: Ben North, Chief Operating Officer
DATE: September 24, 2024

SUBJECT: 135 Boston Post Rd Billing Dispute

Summary of Agenda Item:

East Lyme Water Department has recently discovered through the course of its large meter calibration program that the commercial building located at 135 Boston Post Rd has been billed for 1/10 of its actual water usage since 2002. This building is occupied with a restaurant, laundromat, and other businesses but had a reading of just 47,000 gallons for a 6-month period, which is typical residential usage for a family of four. This difference in reading has resulted in about 4.4 million gallons of unbilled water during the past 20 years.

Staff had held the May 2024 usage bill from the property after another lower-than-expected reading and performed an investigation into the property and its metering configuration in the building in June of 2024. After determining that the outside reader was programmed to read in 1000s of gallons instead of 10,000s, staff alerted the property owner in July with a letter explaining the difference in usage and performed a manual bill calculation following the established meter reading true-up policy. This policy re-calculates the bill with actual usage that is billed at the lowest tiered-usage rate while crediting the amount paid in during the period in question. The property owner is looking for further relief on the bill as he works with his tenants to pay for the new usage profile.

Action Needed:

To be determined based on approval of the Water and Sewer Commission.

Attachments: Meter Readings, True-Up Calculations, and Letter to Property Owner.

Prepared By: Ben North, Chief Operating Officer

<p>W&S Agenda Item No. <u>6</u> Date: 9/24/24</p>

Town of



East Lyme

Office of Water & Sewer Commission
Water Department

Post Office Box 519
Niantic, Connecticut 06357

July 23, 2024

Rich Giusti
135 Boston Post Rd
East Lyme, CT 06333

Re: 135 Boston Post – Water Meter

Dear Water Customer,

After investigating the low readings at 135 Boston Post Road, it was determined that the 1-1/2" Rockwell reads in increments of 10,000, not 1,000 (which is standard). This discrepancy was not identified earlier because we read the meter from outside of the building with a touch-gun and then multiplied the reading by 1,000 which is standard practice. At no time during the meter reading process did anyone physically see the reading on the meter dial.

Important Information:

- The last invoice was sent out using a meter reading of 4,833,000 on 8/22/23 which should have been 48,330,000.
- As of the last reading date 8/22/23, this meter has used 43,497,000 gallons of water unbilled over approximately the last 30 years. (the date of meter install is not listed)
- The last meter reading was on 4/11/24, but this account was flagged, and an invoice was not sent out. Actual reading on 4/11/24 was 48,900,000 gallons
- Actual readings on 3/1/23 is 47,860,000 gallons
- The amount of water used during these two billing periods was 1,040,000 gallons
- One invoice was sent out during the first billing cycle for 47,000 gallons
- The total unbilled water usage for the two billing cycles from 3/1/23 to 4/11/24 is 993,000 gallons
- We have recalculated your bills by dividing them equally among Nov 2023 and May 2024 billing periods and used lowest rates of consumption in effect.

The account is also non-compliant with the large meter calibration/replacement policy. This meter needs to be calibrated or replaced immediately or additional fees will be levied until it is.

Sincerely,

Water Meter Replacement Team
East Lyme Water Department
860-691-4104

Range of Accounts: 161700-0 to 161700-0 Status: Both
 Range of Dates: First to 06/30/25 Service Type: All Reading Type Includes:
 Range of Years: First to Last Name to Print: Bill To Standard: Y Final: Y Prorated Final: Y
 Range of Periods: First to Last Location to Print: Property Reset: Y Interim: Y Consumption: Y
 Range of Cycles: First to Last Minimum Usage: -9999999999 Max Usage: 9999999999
 Range of Acct Types: First to Last Range of City Ids: First to Last Estimate Flag Includes:
 Range of Sections: First to Last Range of Bill Group Ids: First to Last Actual: Y Estimate: Y Customer Reads: Y
 Read: Y Do Not Read: Y Retired: Y

Account Id	Location	Units Code	Year	Prd	Date	Type	Est	Readings	Usage	Roll	Ref
Type	Section Name						Flag			Flag	Num
	Cycle	Meter Num									
	Bill Group										

Account Id	Location	Units Code	Year	Prd	Date	Type	Est	Readings	Usage	Roll	Ref
161700-0	135 BOSTON POST ROAD	1.00 S01				water/Sewer Standard Meter:		1 Meter Group: 1	Status: Read		
BUS SW	VILLAGE FARM REALTY LLC	1.00 W01				Meter Num: B00882998		Serial Num:			
W: 1 S: 1	800882998					10 10 LM10X					
		1.00 SAF	2024	2	04/11/24	S		48900000	44067000		20750
		1.00 MPW	2024	1	08/22/23	S		4833000	47000		19338
		1.00 LMC	2023	2	03/01/23	S		4786000	44000		17846
			2023	1	09/17/22	S		4742000	53000		16484
			2022	2	03/19/22	S		4689000	46000		14393
			2022	1	09/28/21	S		4643000	61000		13180
			2021	2	03/09/21	S		4582000	44000		12528
			2021	1	09/30/20	S		4538000	60000		12020
			2020	2	02/26/20	S		4478000	50000		11150
			2020	1	09/26/19	S		4428000	67000		10812
			2019	2	03/11/19	S		4361000	53000		10330
			2019	1	09/27/18	S		4308000	70000		9929
			2018	2	02/22/18	S		4238000	53000		9492
			2018	1	09/15/17	S		4185000	75000		9038
			2017	2	02/14/17	S		4110000	51000		8602
			2017	1	09/12/16	S		4059000	64000		8275
			2016	2	03/07/16	S		3995000	54000		7982
			2016	1	09/22/15	S		3941000	55000		7766
			2015	2	04/21/15	S E		3886000	74000		7536
			2015	1	10/06/14	S		3812000	72000		7215
			2014	2	04/04/14	S		3740000	74000		6868
			2014	1	10/04/13	S		3666000	91000		6568
			2013	2	04/01/13	S		3575000	88000		6236
			2013	1	09/20/12	S		3487000	74000		5967
			2012	2	03/22/12	S		3413000	54000		5710
			2012	1	10/25/11	S		3359000	112000		5531
			2011	2	03/24/11	S		3247000	78000		5252
			2011	1	10/04/10	S		3169000	104000		5019
			2010	2	03/25/10	S		3065000	87000		4750
			2010	1	09/30/09	S		2978000	92000		4532
			2009	2	03/24/09	S		2886000	94000		4253
			2009	1	09/19/08	S		2792000	105000		4033
			2008	2	04/03/08	S		2687000	141000		3764
			2008	1	09/12/07	S		2546000	133000		3441
			2007	2	03/05/07	S		2413000	94000		2977
			2007	1	10/16/06	S		2319000	149000		2717
			2006	2	03/01/06	S		2170000	124000		2292
			2006	1	08/22/05	S		2046000	113000		1920
			2005	2	03/04/05	S		1933000	124000		1590
			2005	1	08/19/04	S		1809000	118000		1345

August 19, 2024
10:30 AM

Town of East Lyme
Detailed Meter Reading Report by Account Id

Page No: 2

Account Id	Location	Units Code	Year	Prd Date	Type	Est Flag	Readings	Usage	Roll Flag	Ref Num
161700-0	135 BOSTON POST ROAD	Continued								
			2004	2 02/20/04	S		1691000	86000		912
			2004	1 09/24/03	S		1605000	113000		629
			2003	2 03/17/03	S		1492000	119000		147
			2003	1 09/06/02	S		1373000	112000		0
			2002	2 03/19/02	R		1261000	0		0
								47639000		

EAST LYME WATER DEPARTMENT

ACCT # 161700-0

ADDRESS : 135 Boston Post Road

CUSTOMER : Rich Giusti

Billing Period	Billable Usage	Min Water Charge	Meter Fee	State Fee	Water Rate / 1000	Sewer Rate/ 1000	Water & Sewer Bills - Billed at Lowest Usage Rate			
							Water	Sewer	Total Bill	
11/01/23	470,000	\$ 80.00	\$ 15.00		\$ 5.25	\$ 9.34	\$ 2,544.13	\$ 4,389.80	\$ 6,933.93	
05/01/24	570,000	\$ 85.00	\$ 18.00		\$ 5.58	\$ 9.90	\$ 3,264.07	\$ 5,643.00	\$ 8,907.07	
1,040,000								\$ 5,808.20	\$ 10,032.80	\$ 15,841.00
Sub-Total Due										\$ 15,841.00
Paid to Date Water										\$ 434.56
Paid to Date Sewer										\$ 438.98
Balance Due Water										\$ 5,373.64
Balance Due Sewer										\$ 9,593.82
Balance Due Total										\$ 14,967.46

EAST LYME WATER DEPARTMENT

ACCT # 161700-0

ACCT ADDRESS: 135 Boston Post Rd

CUSTOMER: Rich Giusti

Historical Water and Sewer Charges

Billing Period	Usage	Water Payment	Sewer Payment	Total Bill
11/01/23	47000	434.56	\$438.98	\$873.54
Total Paid		\$434.56	\$438.98	\$873.54



135 BOSTON POST ROAD - INVESTIGATE

Work Management

ID: 135 BOSTON POST ROAD -
INVESTIGATE PLUMBING
(SEE NOTES)

Date: 3/22/2023

Status: Complete

Assigned To: Meter Work Orders

Note: INVESTIGATE PLUMBING FOR POSSIBLE BYPASS. GET METER READING INSIDE
TAKE A PICTURE OF METER READING AND PLUMBING - PUT IT ON BEEHAIVE UNDER THIS W.O.

Comments

!		Date	Name	Comment
No	Yes	3/22/2023	P Morris	638150874849213705.jpg
No	Yes	3/22/2023	P Morris	638150871464030070.jpg
No	Yes	3/22/2023	P Morris	638150874673851147.jpg
No	Yes	3/22/2023	P Morris	638150870696797447.jpg

Time Tracking

none

Event Details

Work Type

Water

Sub Type

District

Created By

Tania Ranelli

Source

Name

IN HOUSE

Phone

Email

Address

Location Address

135 BOSTON POST RD

Location Details

Resolution

Found two meters main meter in Henderson roofing . No bypass on meter ,
second sub meter in laundromat found also without bypass. Tp reading 4791



135 BOSTON POST RD - METER READ

Work Management

ID: 135 BOSTON POST RD -
METER READ

Date: 6/26/2024

Status: Received

Assigned To: Water Meters

Note: 135 BOSTON POST RD - READ METER . CHECK POSSIBLE SECOND METER

Comments (none)

No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland
No	Yes	7/8/2024	Jay Gartland

Time Tracking (none)

Event Details

Work Type	Water
Sub Type	Inspection
District	
Created By	Water Meters
Source	
Name	
Phone	
Email	
Address	135 BOSTON POST RD
Location Address	135 BOSTON POST RD
Location Details	
Resolution	

EAST LYME WATER DEPARTMENT

ACCT # 161700-0

ADDRESS : 135 Boston Post Road

CUSTOMER : Rich Giusti

Billing Period	Billable Usage	Min Water Charge	Meter Fee	State Fee	Water Rate / 1000	Sewer Rate/ 1000	Water & Sewer Bills - lowest rate		Total Bill
							Water	Sewer	
05/01/14	740,000	\$ 47.23			\$ 3.81	\$ 6.42	\$ 2,853.30	\$ 4,750.80	\$ 7,604.10
01/01/14	720,000	\$ 47.23			\$ 3.81	\$ 6.42	\$ 2,777.10	\$ 4,622.40	\$ 7,399.50
05/01/15	740,000	\$ 49.59			\$ 4.00	\$ 6.93	\$ 2,995.59	\$ 5,128.20	\$ 8,123.79
11/01/15	550,000	\$ 49.59			\$ 4.00	\$ 6.93	\$ 2,235.59	\$ 3,811.50	\$ 6,047.09
05/01/16	540,000	\$ 50.33			\$ 4.06	\$ 7.10	\$ 2,228.52	\$ 3,834.00	\$ 6,062.52
11/01/16	640,000	\$ 50.33			\$ 4.06	\$ 7.10	\$ 2,634.52	\$ 4,544.00	\$ 7,178.52
05/01/17	510,000	\$ 57.85			\$ 4.26	\$ 7.67	\$ 2,215.54	\$ 3,911.70	\$ 6,127.24
11/01/17	750,000	\$ 57.85			\$ 4.26	\$ 7.67	\$ 3,237.94	\$ 5,752.50	\$ 8,990.44
05/01/18	530,000	\$ 60.74			\$ 4.47	\$ 7.90	\$ 2,414.20	\$ 4,187.00	\$ 6,601.20
11/01/18	700,000	\$ 60.74			\$ 4.47	\$ 7.90	\$ 3,174.10	\$ 5,530.00	\$ 8,704.10
05/01/19	530,000	\$ 62.87	\$ 12.50	\$ 1.00	\$ 4.63	\$ 7.90	\$ 2,514.07	\$ 4,187.00	\$ 6,701.07
11/01/19	670,000	\$ 62.87	\$ 12.50	\$ 1.00	\$ 4.63	\$ 7.90	\$ 3,162.27	\$ 5,293.00	\$ 8,455.27
05/01/20	500,000	\$ 64.13	\$ 12.50	\$ 1.00	\$ 4.72	\$ 8.10	\$ 2,421.11	\$ 4,050.00	\$ 6,471.11
11/01/20	600,000	\$ 64.13	\$ 12.50	\$ 1.00	\$ 4.72	\$ 8.10	\$ 2,893.11	\$ 4,860.00	\$ 7,753.11
05/01/21	440,000	\$ 65.41	\$ 12.50	\$ 1.00	\$ 4.82	\$ 8.35	\$ 2,182.84	\$ 3,674.00	\$ 5,856.84
11/01/21	610,000	\$ 65.41	\$ 12.50	\$ 1.00	\$ 4.82	\$ 8.35	\$ 3,002.24	\$ 5,093.50	\$ 8,095.74
05/01/22	460,000	\$ 67.21	\$ 13.00		\$ 4.96	\$ 8.65	\$ 2,344.45	\$ 3,979.00	\$ 6,323.45
11/01/22	530,000	\$ 67.21	\$ 13.00		\$ 4.96	\$ 8.65	\$ 2,691.65	\$ 4,584.50	\$ 7,276.15
05/01/23	440,000	\$ 80.00	\$ 15.00		\$ 5.25	\$ 9.34	\$ 2,386.63	\$ 4,109.60	\$ 6,496.23
11/01/23	470,000	\$ 80.00	\$ 15.00		\$ 5.25	\$ 9.34	\$ 2,544.13	\$ 4,389.80	\$ 6,933.93
05/01/24	570,000	\$ 85.00	\$ 18.00		\$ 5.58	\$ 9.90	\$ 3,264.07	\$ 5,643.00	\$ 8,907.07
	12,240,000						\$ 56,172.93	\$ 95,935.50	\$ 152,108.43
							Sub-Totals		\$ 152,108.43
							Paid to Date Water		\$ 6,793.53
							Paid to Date Sewer		\$ 9,029.25
							Balance Due W		\$ 49,379.40
							Balance Due S		\$ 86,906.25
							Balance Due Total		\$ 136,285.65

EAST LYME WATER DEPARTMENT

ACCT # 161700-0

ACCT ADDRESS: 135 Boston Post Rd

CUSTOMER: Rich Giusti

Historical Water and Sewer Charges

Billing Period	Usage	Water Payment	Sewer Payment	Total Bill
05/01/14	74000	\$343.33	\$475.08	\$818.41
11/01/14	72000	\$334.93	\$462.24	\$797.17
05/01/15	74000	\$360.50	\$512.82	\$873.32
11/01/15	55000	\$276.71	\$381.15	\$657.86
05/01/16	54000	\$276.57	\$383.40	\$659.97
11/01/16	64000	\$321.37	\$454.40	\$775.77
05/01/17	51000	\$280.10	\$391.17	\$671.27
11/01/17	75000	\$373.54	\$575.25	\$948.79
05/01/18	53000	\$305.27	\$418.70	\$723.97
11/01/18	70000	\$389.25	\$553.00	\$942.25
05/01/19	53000	\$329.32	\$418.70	\$748.02
11/01/19	67000	\$400.86	\$529.30	\$930.16
05/01/20	50000	\$319.90	\$405.00	\$724.90
11/01/20	60000	\$372.00	\$486.00	\$858.00
05/01/21	44000	\$294.37	\$367.40	\$661.77
11/01/21	61000	\$384.35	\$509.35	\$893.70
05/01/22	46000	\$311.68	\$397.90	\$709.58
11/01/22	53000	\$350.97	\$458.45	\$809.42
05/01/23	44000	\$333.95	\$410.96	\$744.91
11/01/23	47000	\$434.56	\$438.98	\$873.54
	1167000	\$6,793.53	\$9,029.25	\$15,822.78

ATTACHMENT A
APPROVAL OF BILLS

EAST LYME WATER & SEWER COMMISSION

September 24, 2024

- | | | |
|---|----|-----------|
| 1. PFAS Preliminary Engineering Survey | | |
| a. Tighe & Bond Inv. No. TB-1006642 | \$ | 19,405.00 |

**EAST LYME
WATER & SEWER COMMISSION**

SEP 24 2024

AGENDA# 7

Tighe & Bond

Please Remit Payment to:

Tighe & Bond, Inc. 53 Southampton Road Westfield, MA 01085-5308

Attention: Ben North
Town of East Lyme
PO Box 519
Niantic, CT 06357
UNITED STATES

Invoice : TB-1006642
Invoice Date : 9/17/2024
Project : 140610037
Project Name : ELYME-Basis of Design PFAS
 Treatment Well 1A/6 and Well 4A
 WTPs

For Professional Services Rendered Through 8/24/2024

Your Project : PO #24-02131

Email Invoice to:
 bnorth@eltownhall.com

Services rendered this period were performed in accordance with Agreement dated February 9, 2024 and Amendment dated June 4, 2024.

	Fee	Available	Billings		
			To Date	Previous	Current
140610037 - ELYME-Basis of Design PFAS Treatment	99,200.00	19,741.47	98,863.53	79,458.53	19,405.00
<i>Rate Labor</i>		19,405.00			
				Current Billings	19,405.00
				Amount Due This Bill	19,405.00

Total Fee : 99,200.00
To Date Billings : 98,863.53
Total Remaining : 336.47

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	TB-1001229	6/4/2024	21,343.75	21,343.75
	TB-1003153	7/12/2024	7,182.50	7,182.50
				28,526.25

RECOMMENDED FOR PAYMENT 

DIRECTOR PUBLIC WORKS *COO*

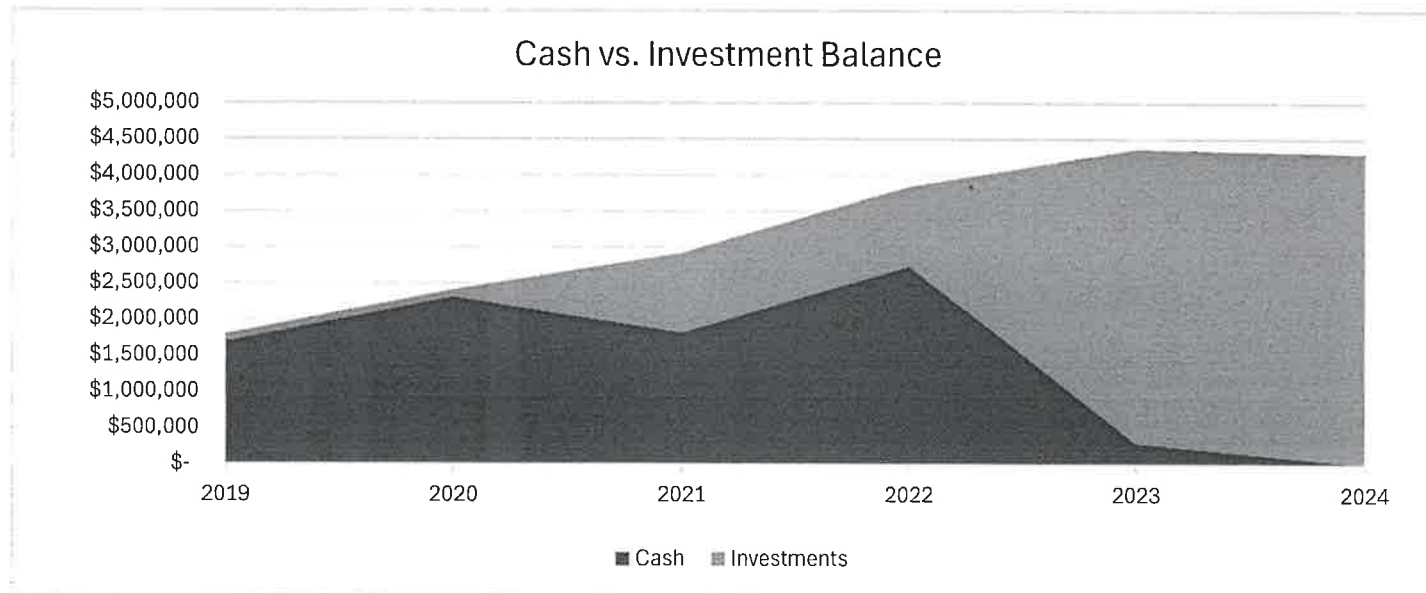
APPROVED FOR PAYMENT _____

CHAIRMAN

EAST LYME WATER & SEWER COMMISSION

Town of East Lyme
 Water and Sewer Commission
 September 24, 2024 Meeting

	2019	2020	2021	2022	2023	2024
Cash	\$ 1,687,387	\$ 2,313,212	\$ 1,819,896	\$ 2,738,941	\$ 292,911	\$ 535
Investments	\$ 106,384	\$ 106,384	\$ 1,109,855	\$ 1,113,866	\$ 4,082,748	\$ 4,305,890
Total	\$ 1,793,771	\$ 2,419,596	\$ 2,929,751	\$ 3,852,807	\$ 4,375,659	\$ 4,306,425
Investment Earnings	\$ 27,290	\$ 23,606	\$ 5,591	\$ 6,767	\$ 111,991	\$ 223,141
Realized Interest Rate	1.52%	0.98%	0.19%	0.18%	2.56%	5.18%
Fed Funds Rate	2.5%	1.25%	0.50%	4.25%	5.00%	5.35%



EAST LYME
 WATER & SEWER COMMISSION

SEP 24 2024

AGENDA# 8

Town of East Lyme
FUND 03
BALANCE SHEET
AS OF: 06/30/24

	2024	2023	2022	2021	2020
Assets					
03-100-01-001- CASH - CHECKING A/C	534.90	292,911.36	2,738,840.57	1,819,896.49	2,313,211.90
03-100-01-001-001 OLD BOA Swr Assessment Acct 3199	0.00	0.00	0.00	0.00	0.00
03-100-02-001- BOA INVESTMENTS-MMDA	0.00	0.00	0.00	0.00	0.00
03-100-02-001-001 Chelsea CD Investment	0.00	0.00	0.00	0.00	0.00
03-100-02-001-007 CGB Investment MM 1372	0.00	0.00	0.00	0.00	0.00
03-100-02-002- CASH - CITIZENS BANK	0.00	0.00	0.00	0.00	0.00
03-100-02-003- MBIA CLASS PLUS	0.00	0.00	0.00	0.00	0.00
03-100-02-004- STATE TREAS STIF ACCT	0.00	0.00	0.00	0.00	0.00
03-100-02-005- REICH & TANG	0.00	0.00	0.00	0.00	0.00
03-100-02-006- CB Investment Acct	0.00	0.00	0.00	0.00	0.00
03-100-02-007- Webster Investment Account #10342325	0.00	0.00	106,384.17	106,384.17	106,384.17
03-100-02-007-003 DUE TO/FROM-MUR2325	0.00	0.00	0.00	0.00	0.00
03-100-02-008- WB CD Investment	0.00	0.00	0.00	0.00	0.00
03-100-02-101-001 Charter Oak CD Investment	0.00	0.00	1,007,482.07	1,003,470.79	0.00
03-100-02-101-003 SEWER ASSESMENT-STIF	4,305,889.65	4,082,748.00	0.00	0.00	0.00
03-100-02-999- Cash Over/Short	0.25	0.25	0.07	0.00	79.02
03-100-03-001- A/R-STATE OF CONNECTICUT	0.00	0.00	0.00	0.00	0.00
03-100-03-002- A/R SEWER ASSESSMENTS	1,393,957.55	1,730,411.03	2,066,396.27	2,083,274.43	2,301,949.73
03-100-03-003- A/R-CURRENT SEWER ASSESSMENTS	1,154,232.22	817,778.74	481,793.50	348,768.31	343,312.62
03-100-03-004- A/R- DODGETWN ASSESSMENTS	0.00	0.00	0.00	0.00	0.00
03-100-03-005- A/R-CURRENT DODGETWN ASSMT	788.30	788.30	788.30	788.30	788.30
03-100-03-007- A/R-OTHER	15,928.31	15,928.31	15,928.31	15,928.31	0.00
03-100-04-001- DUE FM OTHER FUNDS	79,025.14	22,511.26	22,511.26	7.75	0.00
03-100-04-003- DUE FROM SEWER CONSTRUCTION	0.00	0.00	0.00	0.00	0.00
03-100-04-006- Due from Sewer Operations Fund	661,432.29	564,400.08	564,400.08	594,400.08	619,400.08
03-100-04-007- DUE FROM WATER FUND	86,756.69	49,970.08	42,337.00	50,000.00	0.00
03-100-04-012- DUE FROM WATER CONSTRUCTION	380,547.13	480,547.13	400,000.09	471,294.09	521,294.09
03-100-04-300- Due from Saunders Point Engineering	42,266.61	42,266.61	42,266.61	84,533.23	84,533.23
03-100-06-001- Allowance for Doubtful Accounts	140,000.00-	140,000.00-	140,000.00-	140,000.00-	140,000.00-
03-300-00-006- ESTIMATED REVENUE CONTROL	10,370.00	10,370.00	10,370.00	0.00	0.00
Total Assets	<u>7,991,729.04</u>	<u>7,970,631.15</u>	<u>7,359,498.30</u>	<u>6,438,745.95</u>	<u>6,150,953.14</u>
Liabilities & Fund Balance					
03-200-01-001- ACCOUNTS PAYABLE	409,306.76-	43,193.25	30,867.75	1,537.75	0.00
03-200-01-002- NOTES PAYABLE	0.00	0.00	0.00	0.00	0.00
03-200-04-001- DUE TO OTHER FUNDS	476,179.56	259,603.73	0.00	0.00	0.00
03-200-04-006- Due To Sewer Operations	8,937.99-	113,937.99-	0.00	0.00	0.00
03-200-04-007- DUE TO WATER OPERATIONS	100,000.00-	0.00	0.00	0.00	0.00
03-200-05-006- DEFERRED SEWER ASSESSMENTS	2,393,228.60	2,393,228.60	2,393,228.60	2,277,081.57	2,490,301.18
03-200-05-007- DEFERRED DODGETWN ASSESSMENTS	788.30	788.30	788.30	788.30	788.30
03-200-05-008- Deferred Revenue	100,461.54	100,461.54	100,461.54	100,461.54	04,522.22

Town of East Lyme
FUND 03
BALANCE SHEET
AS OF: 06/30/24

	2024	2023	2022	2021	2020
03-300-00-001- RESERVE FOR ENCUMBRANCE	48,302.27	35,501.50	34,498.67	53,389.63	0.00
03-300-00-002- REVENUE CONTROL	2,398,205.53	1,760,246.19	1,081,579.38	0.00	0.00
03-300-00-003- EXPENDITURE CONTROL	934,136.53	548,199.26	316,674.06	0.00	0.00
03-300-00-004- ENCUMBRANCE CONTROL	48,302.27	35,501.50	34,498.67	53,389.63	0.00
03-300-00-005- APPROPRIATION CONTROL	16,370.00	16,370.00	10,370.00	0.00	0.00
03-300-01-001- RETAINED EARNINGS - NON-SPENDABLE	0.00	0.00	0.00	0.00	0.00
03-300-01-002- RETAINED EARNINGS - COMMITTED	4,058,876.79	4,058,876.79	4,058,876.79	4,058,876.79	3,575,330.43
03-300-01-003- ADJUSTMENT ACCOUNT	0.00	0.00	0.00	0.00	0.00
03-300-01-004- RESERVED FOR CURRENT YEAR	0.00	0.00	0.00	0.00	0.00
Total Liabilities	<u>7,991,729.04</u>	<u>7,970,631.15</u>	<u>7,359,498.30</u>	<u>6,438,745.95</u>	<u>6,150,953.14</u>
Revenue	0.00	0.00	0.00	0.00	0.00
Less Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Net	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Total Fund Balance	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Total Liabilities & Fund Balance	<u><u>7,991,729.04</u></u>	<u><u>7,970,631.15</u></u>	<u><u>7,359,498.30</u></u>	<u><u>6,438,745.95</u></u>	<u><u>6,150,953.14</u></u>



Well 4A WTP and Well 1A/6 WTP
East Lyme, CT

WELL 4A AND WELL 1A/6 PFAS TREATMENT PRELIMINARY ENGINEERING REPORT

Town of East Lyme, CT

September 2024

EAST LYME
WATER & SEWER COMMISSION

SEP 24 2024

AGENDA# *9a*

Tighe&Bond



www.tighebond.com

Section 5

Recommendations

5.1 Well 1A/6 WTP Site

At the Well 1A/6 WTP site, a two-train system with each train operating in lead/lag configuration is recommended to handle the wide flow range associated with the two wells. A GAC system is recommended since it has a cost and building size comparable to an IX system, does not need a de-oxidant and ancillary systems (emergency eye washer/shower station with tempered water supply), is a simpler system, and requires less operation and maintenance effort from operators.

The Town owns the property on which the future PFAS treatment building will be constructed, so no land or easement acquisition is anticipated for this site. During construction, the contractor will be required to install sedimentation and erosion controls to mitigate stormwater runoff. Subsurface rock and the water table are not expected to be issues at this site.

Additionally, because of the site's proximity to the Lillie B. Haynes Elementary School, the contractor will be required not to interfere with the school's operations and to ensure the safety and security of the students and project site. The contractor will need to coordinate material deliveries and other works around the school's schedule to minimize disruption of the one-way access drive.

Because the Well 1A/6 WTP was upgraded in March 2022, the existing WTP is in good condition and components of the existing facility are not expected to be replaced as part of the PFAS treatment project.

5.2 Well 4A WTP Site

At the Well 4A WTP site, while a GAC system has higher estimated equipment and media replacement costs, it is a simpler system with less operation and maintenance effort from operators. An IX system would cost less but requires a de-oxidant and ancillary systems (emergency eye washer/shower station with tempered water supply). Since Well 1A/6 WTP is recommended to have a GAC system for PFAS treatment, it is also recommended to have a GAC system for Well 4A WTP site for operator's familiarity of the treatment process. Based on the evaluation, a single train GAC system is recommended.

Due to the capacity limitation of the existing sewer/drain system at the Well 4A WTP site, a rental frac tank(s) might be required for backwash equalization and settling of fines during startup and each media changeout.

The Town owns the property on which the future PFAS treatment building will be constructed, so no land or easement acquisition is anticipated for this site. There are existing propane tanks in the potential site for PFAS treatment building and these tanks will need to be relocated. During construction, the contractor will be required to install sedimentation and erosion controls to mitigate stormwater runoff. Subsurface rock and the water table are not expected to be issues at this site.

While the existing greensand filter vessels were rehabilitated in 2007 and the well itself was cleaned and redeveloped in 2016, the WTP has not had a significant upgrade since its original construction in 1998. The Town is pursuing replacement of the existing online water quality analyzers. Additionally, we understand that the Town aims to replace the control panel for the greensand filter vessels with a new control panel capable of SCADA integration with provisions for monitoring and/or controlling the new PFAS treatment system.

The Town has identified the following Well 4A WTP improvements that should be considered during the design of the PFAS treatment project. It is assumed that the existing WTP improvements will be done in conjunction with the PFAS treatment project, and costs for these improvements are included in the total cost of the PFAS project.

- Civil/Site/Security:
 - Install paved access drive up to building and loading dock.
 - Replace the swing gate with a motorized slide gate and keypad.
 - Install security cameras.
- Process/Treatment:
 - Rehabilitate the existing greensand filter vessels and replace filter media.
 - Sandblast and repaint the existing greensand filter vessels and associated piping.
- Structural/Architectural:
 - Install insulation and ceiling for the existing WTP building.
 - Replace the existing roof shingles.
- Mechanical/Electrical/Instrumentation:
 - Replace the existing well pump and clean the well.
 - Install dehumidification equipment.

5.3 Opinion of Probable Construction Cost

An Opinion of Probable Construction Cost (OPCC) for the selected alternative for each site is presented in Tables 5-1 and Table 5-2 and is consistent with a Class 4 estimate as defined by the Estimate Classification of the American Association of the Advancement of Cost Engineering International. Class 4 represents a 1% - 15% project completion level and is used for a concept study. An Opinion of Probable Cost of this class has an accuracy range of +40% to -25%.

In addition to costs related to the new PFAS treatment equipment and building, Table 5-2 also includes costs for improvements related to the existing Well 4A WTP as indicated in Section 5.2.

The detailed OPCC's are provided in **Appendix F**.

TABLE 5-1 Well 1A/6 PFAS Treatment (Two-Train GAC) Opinion of Probable Construction Cost

Description	OPCC
General Conditions	\$644,000
Site Work	\$327,000
PFAS Treatment Building	\$1,163,000
PFAS Treatment Equipment	\$1,644,000
Electrical, Plumbing, and HVAC	\$550,000
Construction Subtotal	\$4,328,000
Contractor Overhead & Profit (15%)	\$649,000
Construction Cost	\$4,977,000
Construction Contingency (30%)	\$1,493,000
Total Construction Cost	\$6,470,000
Engineering (20%)	\$1,294,000
Total Project Cost	\$7,764,000

TABLE 5-2 Well 4A PFAS Treatment (One-Train GAC) Opinion of Probable Construction Cost

Description	OPCC	
	Well 4A PFAS Treatment	Well 4A PFAS Treatment Plus Existing WTP Upgrades
General Conditions	\$489,000	\$676,000
Site Work	\$356,000	\$356,000
PFAS Treatment Building	\$913,000	\$913,000
PFAS Treatment Equipment	\$1,031,000	\$1,031,000
Electrical, Plumbing, and HVAC	\$500,000	\$500,000
Existing WTP Upgrades		\$1,070,000
Construction Subtotal	\$3,289,000	\$4,546,000
Contractor Overhead & Profit (15%)	\$493,000	\$682,000
Construction Cost	\$3,782,000	\$5,228,000
Construction Contingency (30%)	\$1,135,000	\$1,568,000
Total Construction Cost	\$4,917,000	\$6,796,000
Engineering (20%)	\$983,000	\$1,359,000
Total Project Cost	\$5,900,000	\$8,155,000

Section 6 Project Implementation

6.1 Public Participation and Town’s Selected Alternative

On July 2, 2024, Tighe & Bond met with the Town of East Lyme to discuss this Preliminary Engineering Report and the different treatment alternatives. After this discussion, the Town requested that Tighe & Bond develop an Opinion of Probable Construction Costs (OPCC) using GAC treatment technology at both well sites, which is presented in **Section 5**. Tighe & Bond understands that the Town aims to apply for DWSRF funding to finance this project.

The schedule for implementation of the new Well 1A/6 and Well 4A PFAS treatment plants is not certain. However, a preliminary project schedule has been provided in Section 6-4 outlining the major tasks necessary to complete this project. Tighe & Bond estimates that the project can be Substantially Complete by February 2028.

6.2 Financial Impacts of the Selected Alternative

For the purposes of this report we have assumed that the Town will finance the project with a 20-year loan at a 2% interest rate obtained from the DWSRF.

Table 6-1 lists the recommended appropriations for the design and construction of a new PFAS treatment building at Well 1A/6 and Well 4A.

TABLE 6-1 PFAS Treatment Project Financial Appropriations

Description	Current Project
Wells 1A/6 PFAS Treatment OPCC	\$7,764,000
Wells 4A PFAS Treatment OPCC	\$8,155,000
Total Appropriations (2024)	\$15,919,000

Table 6-2 lists the estimated financial impacts on the Town from the recommended appropriations. Financial impacts include annual debt service of the appropriated funds and operation and maintenance costs. It should be noted that most of the estimated operation and maintenance costs would already be included in the Town’s operating budget as these are existing facilities that currently treat and pump existing sources. The major operation and maintenance (O&M) cost for PFAS treatment is carbon media replacement cost, which was discussed in **Section 4** and is provided in **Table 6-2** below.

TABLE 6-2 PFAS Treatment Project Financial Impacts

Description	Current Project
Total Cost	\$15,919,000
Interest Rate	2%
Loan Term (years)	20
Annual Payment	\$973,600
Approximate Annual O&M ¹	\$77,100
Annual Financial Impact	\$1,050,700

Note:

- O&M cost is based on 2024 Calgon carbon media replacement quote.

6.3 Permits and Environmental Review Requirements

6.3.1 Inland Wetlands

A review of available Connecticut DEEP inland wetland soil areas GIS data indicate wetland soils approximately 125 feet east of the proposed PFAS building at the Well 1A/6 WTP and a waterbody approximately 100 feet north of the proposed PFAS building at the Well 4 WTP. DEEP inland wetland soil areas are prepared as a guide to assist in identifying the general locations of areas that may be designated as inland wetland soils. An examination of the soil profile, horizons and features, by a certified Soil Scientist will be necessary during the design to confirm the presence or absence of soils designated as inland wetlands. However, the DEEP identified wetland areas are a good initial indication of potential wetland site constraints. The Town of East Lyme Inland Wetland and Watercourse Agency dictates that work performed within 300 feet of a wetland or watercourse is within the upland review area and is a regulated activity requiring local permitting.

Because the work is not proposed to directly impact a federally regulated wetland, a U.S. Army Corps of Engineers USACOE Permit is not expected to be required. Similarly, the following permits are not anticipated but only noted should proposed project impacts change during the design phase. Should the proposed work exceed 5,000 square feet of impacts to jurisdictional wetlands or waters of the U.S., or otherwise does not meet the conditions of a Self-Verification Notification activity under the Connecticut General Permits (GPs), a Pre-Construction Notification (PCN) will be required from the USACOE under the Connecticut GPs. PCN is required for impacts between 5,000 square feet and 1 acre to jurisdictional inland wetlands and waterways. East Lyme Inland Wetland Soils are provided on Figures 1 and 2 in **Appendix E**.

6.3.2 Endangered Species

A review of available Connecticut DEEP’s Natural Diversity Data Base (NDDB) indicated no NDDB areas within the vicinity of the proposed PFAS buildings at the Well 1A/6 WTP or Well 4 WTP. NDDB areas depict the general location of state and federally listed species and significant natural communities. The areas are intended to be used as a pre-screening tool to determine the potential for impacts on listed species and the need for a NDDB review.

6.3.3 Flood Plains

A review of available FEMA Flood Insurance Rate Maps (FIRMs) (FIRM Panels 09011C0477J effective date 8/5/2013 and 0911C0479J effective date 8/5/2013) indicates that all wells and WTPs evaluated are outside of the 100-year flood plain. However, the 100-year floodplain for the Pattagansett River extends to 80 feet east of the proposed PFAs building at the Well 1A/6 WTP site. The 100-year base flood elevation for this stretch of the Pattagansett River is 30 feet, based on the North American Vertical Datum of 1988 (NAVD 88). Construction of the new PFAS treatment plant at the Well 1A/6 WTP site will be above the 100-year flood elevation with no filling in the flood plain. Any construction within the 100-year flood plain would require filing of a Flood Management Certificate Permit Application, due to the proposed DWSRF funding requirements. The floodplain FEMA data are provided on Figures 1 and 2 in **Appendix E**.

6.3.4 Historical & Archeological Resources

The State Historic Preservation Office (SHPO) maintains a historic resource survey and inventory program that identifies and documents historic, architectural, archaeological and industrial resources. Both the Mohegan Tribe and Mashantucket Pequot Tribe have Tribal Historic Preservation Officers (THPO), which maintain a historic and archeological resource inventory. Based on inquiries made by Tighe & Bond in 2016 to SHPO and THPO during design of the Well 1A/6 WTP, it was reported that the Well 1A/6 WTP site was unlikely to contain significant archaeological deposits. As part of the PFAS treatment design, inquiries to SHPO and THPO for both the Well 1A/6 and Well 4A sites will be required to confirm that no historic properties will be affected by the proposed construction.

6.3.5 CTDPH Permitting

The submission of a Public Water System General Application, a Water Treatment Plant Classification Form, and a Water Company Land Permit Application to the Connecticut Department of Public Health will be required for this project. This Preliminary Engineering Report is required as part of an application for a Drinking Water State Revolving Fund (DWSRF) loan.

6.3.6 Town of East Lyme Permit Requirements

The Well 1A/6 WTP is in the East Lyme Rural District (RU-40/120) and the Well 4A WTP is in the Residence District (R-10). Construction of new treatment buildings or additions to existing buildings in these zoning districts will require a Special Permit approval by the East Lyme Zoning Commission. Building Permits will be required for the construction of new buildings or modifications to existing buildings.

6.4 Project Schedule

The project schedule will have required deadlines to meet the required SRF milestones dates for financial assistance. The potential project timeline is listed in Table 6-3. Key project milestone dates are listed in Table 6-4.

TABLE 6-3 PFAS Treatment Project Potential Timeline

Task	Timeframe
Design and Permitting	June 2025 - June 2026
Bidding and Award	July 2026 - October 2026
Construction	November 2026 - May 2028

TABLE 6-4 PFAS Treatment Project Milestones

Task	Date
Notice to Proceed for Design	June, 2025
Documents to CTDPH	March, 2026
Approval to Advertise for Bids	June, 2026
Advertise for Bids	July, 2026
Approval to Award Contract	October, 2026
Contractor Notice to Proceed	November, 2026
Substantial Completion	February, 2028
Final Completion	May, 2028

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Appendix F
Engineer's Opinion of Probable Construction
Costs for Selected Alternatives

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Tight & Bond

WELL 1A/6 WTP GAC System OPCC

Project: Well 1A/6 and Well 4 PFAS Treatment

Location: East Lyme, CT

Estimate Type: X Conceptual
Preliminary Design
Design Development

Construction
Change Order
% Complete

Prepared By: RTP/ZT
Date Prepared: 7/22/2024
T&B Project No.: E-0610-037

Spec. Section	Item No.	Description	Qty	Units	Material/Installed Cost		Installation		Total
					\$/Unit	Total	\$/Unit	Total	
DIVISION 1 - GENERAL CONDITIONS									
	1	Bonds and Insurance (5% of Construction)	1	LS	\$183,950	\$183,950		\$0	\$183,950
	2	Record Dwgs. Photos (2.5% of Construction)	1	LS	\$91,980	\$91,980		\$0	\$91,980
	3	Mob./Demob. (10% of Construction)	1	LS	\$367,900	\$367,900		\$0	\$367,900
SUBTOTAL - DIVISION 1						\$643,830		\$0	\$644,000
DIVISION 2 - SITE WORK									
02200	1	Site Preparation and S&E Controls	1	LS	\$50,000	\$50,000		\$0	\$50,000
02315	2	Excavation, Backfill, and Compaction	1,000	CY	\$100	\$100,000		\$0	\$100,000
02514	3	Ductile Iron Pipe & Fittings	220	LF	\$300	\$66,000	\$120	\$26,400	\$92,400
02532	4	Stormwater Management System	1	LS	\$55,000	\$55,000		\$0	\$55,000
02740	5	Bituminous Concrete Pavement	200	SY	\$50	\$10,000		\$0	\$10,000
02775	6	Sidewalk & Loading Dock	620	SF	\$20	\$12,400		\$0	\$12,400
02920	7	Landscaping, Lawns, and Grasses	1	LS	\$7,500	\$7,500		\$0	\$7,500
SUBTOTAL - DIVISION 2						\$300,900		\$26,400	\$327,000
DIVISION 3 - CONCRETE									
03300	1	Cast-in-Place Concrete							
	a	Footing	60	CY	\$1,000	\$60,000		\$0	\$60,000
	b	Slab-on-Grade	90	CY	\$1,200	\$108,000		\$0	\$108,000
SUBTOTAL - DIVISION 3						\$168,000		\$0	\$170,000
DIVISION 4 - MASONRY									
04810	1	Double Wythe 8" CMU Wall	4,800	SF	\$125	\$600,000		\$0	\$600,000
SUBTOTAL - DIVISION 4						\$600,000		\$0	\$600,000
DIVISION 5 - METALS									
05500		Misc. Metals - Steel Lintels	1	LS	\$5,000	\$5,000		\$0	\$5,000
		Railing for Loading Dock	20	LF	\$300	\$6,000		\$0	\$6,000
SUBTOTAL - DIVISION 5						\$11,000		\$0	\$11,000
DIVISION 6 - WOOD & PLASTICS									
		Prefabricated Roof Trusses	1	LS	\$60,000	\$60,000		\$0	\$60,000
		Rough Carpentry: Gable Ends, Blocking, Sheathing, In	1	LS	\$50,000	\$50,000		\$0	\$50,000
SUBTOTAL - DIVISION 6						\$110,000		\$0	\$110,000
DIVISION 7 - THERMAL & MOISTURE PROTECTION									
04810	1	Membrane Roof	2,400	SF	\$60	\$144,000		\$0	\$144,000
		Composite Wall/Ceiling covering, Wall Insulation, Air/V	2,000	SF	\$15	\$30,000			\$30,000
		Attic and Foundation Insulation	1	LS	\$20,000	\$20,000			\$20,000
SUBTOTAL - DIVISION 7						\$194,000		\$0	\$194,000
DIVISION 8 - DOORS & WINDOWS									
08110	1	Exterior Insulated Door & Frame - Single	1	EA	\$2,500	\$2,500		\$0	\$2,500
08330	2	Overhead Coiling Door	1	EA	\$20,000	\$20,000		\$0	\$20,000
SUBTOTAL - DIVISION 8						\$22,500		\$0	\$23,000
DIVISION 9 - FINISHES									
09900	1	Painting	1	LS	\$50,000	\$50,000		\$0	\$50,000
SUBTOTAL - DIVISION 9						\$50,000		\$0	\$50,000
DIVISION 10 - SPECIALTIES									
10440		Signage	1	LS	\$2,500	\$2,500			\$2,500
10522		Fire Extinguishers and Accessories	1	LS	\$2,000	\$2,000			\$2,000
SUBTOTAL - DIVISION 10						\$4,500		\$0	\$5,000
DIVISION 11 - EQUIPMENT									
	1	Two (2) Model 10 Treatment Systems w/ F400 Media	1	LS	\$960,000	\$960,000	\$384,000	\$384,000	\$1,344,000
SUBTOTAL - DIVISION 11						\$960,000		\$384,000	\$1,344,000
DIVISION 12 - FURNISHINGS (NOT USED)									
SUBTOTAL - DIVISION 12						\$0		\$0	\$0
DIVISION 13 - SPECIAL CONSTRUCTION									
13420	1	Instrumentation & Control	1	LS	\$150,000	\$150,000	\$0	\$0	\$150,000
SUBTOTAL - DIVISION 13						\$150,000		\$0	\$150,000
DIVISION 14 - CONVEYING SYSTEMS (NOT USED)									
SUBTOTAL - DIVISION 14						\$0		\$0	\$0
DIVISION 15 - MECHANICAL									
15050	1	Heaters, Dehumidifiers, Plumbing Fixtures	1	LS	\$250,000	\$250,000	\$0	\$0	\$250,000
	1	Misc. Valves & Piping	1	LS	\$150,000	\$150,000	\$0	\$0	\$150,000
SUBTOTAL - DIVISION 15						\$400,000		\$0	\$400,000
DIVISION 16 - ELECTRICAL									
16050	1	Lighting, Wire & Conduit, Power Distribution	1	LS	\$200,000	\$200,000	\$0	\$0	\$200,000
	2	Misc. Electrical	1	LS	\$100,000	\$100,000	\$0	\$0	\$100,000
SUBTOTAL - DIVISION 16						\$0		\$0	\$300,000

CONSTRUCTION TOTAL COST \$4,328,000
CONTRACTOR OH & P (15%) \$649,000
CONSTRUCTION SUBTOTAL \$4,977,000

CONTINGENCY @ 30% OF CONSTRUCTION COST \$1,493,000

TOTAL CONSTRUCTION \$6,470,000
ENGINEERING (20% OF CONSTRUCTION SUBTOTAL) \$1,294,000
TOTAL CONSTRUCTION W/ ENGINEERING \$7,764,000

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Tighe & Bond

WELL 4A WTP GAC System OPCC

Project: Well 1A/6 and Well 4 PFAS Treatment

Location: East Lyme, CT

Estimate Type: Conceptual
 Preliminary Design
 Design Development

Construction
 Change Order
 % Complete

Prepared By: RTP/ZT
 Date Prepared: 7/22/2024
 T&B Project No.: E-0610-037

Spec. Section	Item No.	Description	Qty	Units	Material/Installed Cost		Installation		
					\$/Unit	Total	\$/Unit	Total	Total
DIVISION 1 - GENERAL CONDITIONS									
	1	Bonds and Insurance (5% of Construction)	1	LS	\$139,750	\$139,750		\$0	\$139,750
	2	Record Dwg. Photos (2.5% of Construction)	1	LS	\$69,880	\$69,880		\$0	\$69,880
	3	Mob./Demob. (10% of Construction)	1	LS	\$279,500	\$279,500		\$0	\$279,500
SUBTOTAL - DIVISION 1						\$489,130		\$0	\$489,000
DIVISION 2 - SITE WORK									
02200	1	Site Preparation, Relocate Propane Tanks, S&E Cont	1	LS	\$50,000	\$50,000		\$0	\$50,000
	2	Relocate existing propane tanks	1	LS	\$50,000	\$50,000		\$0	\$50,000
02315	2	Excavation, Backfill, and Compaction	560	CY	\$100	\$56,000		\$0	\$56,000
02514	3	Ductile Iron Pipe & Fittings	190	LF	\$300	\$57,000	\$120	\$22,800	\$79,800
02532	4	Stormwater Management System	1	LS	\$55,000	\$55,000		\$0	\$55,000
02740	5	Bituminous Concrete Pavement							
	a	Subbase	240	CY	\$75	\$18,000		\$0	\$18,000
	b	Full Depth Pavement (5")	151	Ton	\$200	\$30,200		\$0	\$30,200
02775	6	Sidewalk & Loading Dock	475	SF	\$20	\$9,500		\$0	\$9,500
02920	7	Landscaping, Lawns, and Grasses	1	LS	\$7,500	\$7,500		\$0	\$7,500
SUBTOTAL - DIVISION 2						\$333,200		\$22,800	\$356,000
DIVISION 3 - CONCRETE									
03300	1	Cast-in-Place Concrete							
	a	Footing	50	CY	\$1,000	\$50,000		\$0	\$50,000
	b	Slab-on-Grade	60	CY	\$1,200	\$72,000		\$0	\$72,000
SUBTOTAL - DIVISION 3						\$122,000		\$0	\$122,000
DIVISION 4 - MASONRY									
04810	1	Double Wythe 8" CMU Wall	4,000	SF	\$125	\$500,000		\$0	\$500,000
SUBTOTAL - DIVISION 4						\$500,000		\$0	\$500,000
DIVISION 5 - METALS (NOT USED)									
05500	1	Misc. Metals - Steel Lintels	1	LS	\$4,000	\$4,000		\$0	\$4,000
	2	Railing for Loading Dock	20	LF	\$300	\$6,000		\$0	\$6,000
SUBTOTAL - DIVISION 5						\$10,000		\$0	\$10,000
DIVISION 6 - WOOD & PLASTICS									
	1	Prefabricated Roof Trusses	1	LS	\$50,000	\$50,000		\$0	\$50,000
	2	Rough Carpentry, Gable Ends, Blocking, Sheathing, H	1	LS	\$40,000	\$40,000		\$0	\$40,000
SUBTOTAL - DIVISION 6						\$90,000		\$0	\$90,000
DIVISION 7 - THERMAL & MOISTURE PROTECTION									
04810	1	Membrane Roof	1,500	SF	\$60	\$90,000		\$0	\$90,000
	2	Composite Wall/Ceiling covering, Wall Insulation, Air/V	1,200	SF	\$15	\$18,000		\$0	\$18,000
	3	Attic and Foundation Insulation	1	LS	\$20,000	\$20,000		\$0	\$20,000
SUBTOTAL - DIVISION 7						\$128,000		\$0	\$128,000
DIVISION 8 - DOORS & WINDOWS									
08110	1	Exterior Insulated Door & Frame - Single	1	EA	\$2,500	\$2,500		\$0	\$2,500
08330	2	Overhead Coiling Door	1	EA	\$15,000	\$15,000		\$0	\$15,000
SUBTOTAL - DIVISION 8						\$17,500		\$0	\$18,000
DIVISION 9 - FINISHES									
09900	1	Painting	1	LS	\$40,000	\$40,000		\$0	\$40,000
SUBTOTAL - DIVISION 9						\$40,000		\$0	\$40,000
DIVISION 10 - SPECIALTIES									
10440	1	Signage	1	LS	\$2,500	\$2,500		\$0	\$2,500
10522	2	Fire Extinguishers and Accessories	1	LS	\$2,000	\$2,000		\$0	\$2,000
SUBTOTAL - DIVISION 10						\$4,500		\$0	\$5,000
DIVISION 11 - EQUIPMENT									
	1	One (1) Model 10 Treatment Systems w/ F400 Media	1	LS	\$576,000	\$576,000	\$230,400	\$230,400	\$806,400
SUBTOTAL - DIVISION 11						\$576,000		\$230,400	\$806,000
DIVISION 12 - FURNISHINGS (NOT USED)									
SUBTOTAL - DIVISION 12						\$0		\$0	\$0
DIVISION 13 - SPECIAL CONSTRUCTION (NOT USED)									
13420	1	Instrumentation & Control	1	LS	\$125,000	\$125,000	\$0	\$0	\$125,000
SUBTOTAL - DIVISION 13						\$125,000		\$0	\$125,000
DIVISION 14 - CONVEYING SYSTEMS (NOT USED)									
SUBTOTAL - DIVISION 14						\$0		\$0	\$0
DIVISION 15 - MECHANICAL									
15050	1	Heaters, Dehumidifiers, Plumbing Fixtures	1	LS	\$200,000	\$200,000	\$0	\$0	\$200,000
	2	Misc. Valves & Piping	1	LS	\$100,000	\$100,000	\$0	\$0	\$100,000
SUBTOTAL - DIVISION 15						\$300,000		\$0	\$300,000
DIVISION 16 - ELECTRICAL									
16050	1	Lighting, Wire & Conduit, Power Distribution	1	LS	\$200,000	\$200,000	\$0	\$0	\$200,000
	2	Misc. Electrical	1	LS	\$100,000	\$100,000	\$0	\$0	\$100,000
SUBTOTAL - DIVISION 16						\$0		\$0	\$300,000

CONSTRUCTION TOTAL COST \$3,289,000
 CONTRACTOR OH & P (15%) \$493,000
 CONSTRUCTION SUBTOTAL \$3,782,000

CONTINGENCY @ 30% OF CONSTRUCTION COST \$1,135,000

TOTAL CONSTRUCTION \$4,917,000
 ENGINEERING (20% OF CONSTRUCTION SUBTOTAL) \$983,000
 TOTAL CONSTRUCTION W/ ENGINEERING \$5,900,000

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Tight & Bond

WELL 4A WTP GAC System & Existing WTP Upgrades OPCC

Project: Well 1A/6 and Well 4 PFAS Treatment
 Location: East Lyme, CT

Estimate Type: X Conceptual
 Preliminary Design
 Design Development

Construction
 Change Order
 % Complete

Prepared By: RTP/ZT
 Date Prepared: 7/22/2024
 T&B Project No.: E-0610-037

Spec. Section	Item No.	Description	Qty	Units	Material/Installed Cost		Installation		Total
					\$/Unit	Total	\$/Unit	Total	
DIVISION 1 - GENERAL CONDITIONS									
	1	Bonds and Insurance (5% of Construction)	1	LS	\$193,250	\$193,250		\$0	\$193,250
	2	Record Dwgs, Photos (2.5% of Construction)	1	LS	\$96,630	\$96,630		\$0	\$96,630
	3	Mob./Demob. (10% of Construction)	1	LS	\$386,500	\$386,500		\$0	\$386,500
SUBTOTAL - DIVISION 1						\$676,380		\$0	\$676,000
DIVISION 2 - SITE WORK									
02200	1	Site Preparation, Relocate Propane Tanks, S&E Contr	1	LS	\$50,000	\$50,000		\$0	\$50,000
	2	Relocate existing propane tanks	1	LS	\$50,000	\$50,000		\$0	\$50,000
02315	3	Excavation, Backfill, and Compaction	560	CY	\$100	\$56,000		\$0	\$56,000
02514	4	Ductile Iron Pipe & Fittings	190	LF	\$300	\$57,000	\$120	\$22,800	\$79,800
02532	5	Stormwater Management System	1	LS	\$55,000	\$55,000		\$0	\$55,000
02740	6	Bituminous Concrete Pavement							
	a	Subbase	240	CY	\$75	\$18,000		\$0	\$18,000
	b	Full Depth Pavement (5")	151	Ton	\$200	\$30,208		\$0	\$30,208
02775	7	Sidewalk & Loading Dock	475	SF	\$20	\$9,500		\$0	\$9,500
02920	8	Landscaping, Lawns, and Grasses	1	LS	\$7,500	\$7,500		\$0	\$7,500
	9	Replace existing swing gate and install security camera	1	LS	\$15,000	\$15,000		\$0	\$15,000
SUBTOTAL - DIVISION 2						\$348,208		\$22,800	\$371,000
DIVISION 3 - CONCRETE									
03300	1	Cast-in-Place Concrete							
	a	Footing	50	CY	\$1,000	\$50,000		\$0	\$50,000
	b	Slab-on-Grade	60	CY	\$1,200	\$72,000		\$0	\$72,000
SUBTOTAL - DIVISION 3						\$122,000		\$0	\$122,000
DIVISION 4 - MASONRY									
04810	1	Double Wythe 8" CMU Wall	4,000	SF	\$125	\$500,000		\$0	\$500,000
SUBTOTAL - DIVISION 4						\$500,000		\$0	\$500,000
DIVISION 5 - METALS									
05500	1	Misc. Metals - Steel Lintels	1	LS	\$4,000	\$4,000		\$0	\$4,000
	2	Railing for Loading Dock	20	LF	\$300	\$6,000		\$0	\$6,000
SUBTOTAL - DIVISION 5						\$10,000		\$0	\$10,000
DIVISION 6 - WOOD & PLASTICS (NOT USED)									
	1	Prefabricated Roof Trusses	1	LS	\$50,000	\$50,000		\$0	\$50,000
	2	Rough Carpentry, Gable Ends, Blocking, Sheathing, Ir	1	LS	\$40,000	\$40,000		\$0	\$40,000
SUBTOTAL - DIVISION 6						\$90,000		\$0	\$90,000
DIVISION 7 - THERMAL & MOISTURE PROTECTION									
04810	1	Membrane Roof	1,500	SF	\$60	\$90,000		\$0	\$90,000
	2	Replace Shingle Roofing	1	LS	\$150,000	\$150,000		\$0	\$150,000
	3	Well 4A WTP Building Insulation	1	LS	\$200,000	\$200,000		\$0	\$200,000
	4	Composite Wall/Ceiling covering, Wall Insulation, AirV	1,200	SF	\$15	\$18,000		\$0	\$18,000
	5	Attic and Foundation Insulation	1	LS	\$20,000	\$20,000		\$0	\$20,000
SUBTOTAL - DIVISION 7						\$478,000		\$0	\$478,000
DIVISION 8 - DOORS & WINDOWS									
08110	1	Exterior Insulated Door & Frame - Single	1	EA	\$2,500	\$2,500		\$0	\$2,500
08330	2	Overhead Coiling Door	1	EA	\$15,000	\$15,000		\$0	\$15,000
SUBTOTAL - DIVISION 8						\$17,500		\$0	\$18,000
DIVISION 9 - FINISHES									
09900	1	Painting	1	LS	\$40,000	\$40,000		\$0	\$40,000
SUBTOTAL - DIVISION 9						\$40,000		\$0	\$40,000
DIVISION 10 - SPECIALTIES									
10440	1	Signage	1	LS	\$2,500	\$2,500		\$0	\$2,500
10522	2	Fire Extinguishers and Accessories	1	LS	\$2,000	\$2,000		\$0	\$2,000
SUBTOTAL - DIVISION 10						\$4,500		\$0	\$5,000
DIVISION 11 - EQUIPMENT									
	1	One (1) Model 10 Treatment Systems w/ F400 Media	1	LS	\$576,000	\$576,000	\$230,400	\$230,400	\$806,400
	2	Rehabilitate Existing Greensand Filters	1	LS	\$600,000	\$600,000	\$0	\$0	\$600,000
	3	Clean Well & Replace Well Pump	1	LS	\$80,000	\$80,000	\$0	\$0	\$80,000
SUBTOTAL - DIVISION 11						\$1,256,000		\$230,400	\$1,486,000
DIVISION 12 - FURNISHINGS (NOT USED)									
SUBTOTAL - DIVISION 12						\$0		\$0	\$0
DIVISION 13 - SPECIAL CONSTRUCTION (NOT USED)									
13420	1	Instrumentation & Control	1	LS	\$150,000	\$125,000	\$0	\$0	\$125,000
SUBTOTAL - DIVISION 13						\$125,000		\$0	\$125,000
DIVISION 14 - CONVEYING SYSTEMS (NOT USED)									
SUBTOTAL - DIVISION 14						\$0		\$0	\$0
DIVISION 15 - MECHANICAL									
15050	1	Heaters, Dehumidifiers, Plumbing Fixtures	1	LS	\$200,000	\$200,000	\$0	\$0	\$200,000
	2	Dehumidifier for Existing WTP Building	1	LS	\$25,000	\$25,000		\$0	\$25,000
	3	Misc. Valves & Piping	1	LS	\$100,000	\$100,000	\$0	\$0	\$100,000
SUBTOTAL - DIVISION 15						\$325,000		\$0	\$325,000
DIVISION 16 - ELECTRICAL									
16050	1	Lighting, Wire & Conduit, Power Distribution	1	LS	\$200,000	\$200,000	\$0	\$0	\$200,000
	2	Misc. Electrical	1	LS	\$100,000	\$100,000	\$0	\$0	\$100,000
SUBTOTAL - DIVISION 16						\$0		\$0	\$300,000

CONSTRUCTION TOTAL COST \$4,546,000
 CONTRACTOR OH & P (15%) \$682,000
 CONSTRUCTION SUBTOTAL \$5,228,000

CONTINGENCY @ 30% OF CONSTRUCTION COST \$1,568,000
 TOTAL CONSTRUCTION \$6,796,000
 ENGINEERING (20% OF CONSTRUCTION SUBTOTAL) \$1,359,000
 TOTAL CONSTRUCTION W/ ENGINEERING \$8,155,000

**East Lyme Water Department
Monthly Report for August 2024**

1. General Statistics

TASKS PERFORMED BY WATER DEPT	August 2024	TOTAL THIS YEAR	TOTAL LAST YEAR (Jan 1 to Dec 30)
Meters Installed (New Accounts)	1	23	22
New Meters In System	23	447	New / Total
			6786 / 6870 or 98.8%
New Service Connections Installed	1	3	18
Services and Mains Repaired⁽¹⁾	No Mainbreaks / 4 Service Leaks	40	33
Total Gallons Pumped <i>Millions of Gallons</i>	63.419	448.394	676.364

(1) Repair or replacement of service line from main to curb stop.

2. Monthly Average Day Demand (MADD)

	August 2024	August 2023	% Difference LY
Water Produced <i>Million Gallons Daily</i>	2.114	1.964	7.65%

MADD as a % of 3.16 MGD available water (24-hour pumping) = 66.90%

MADD as a % of 2.37 MGD available water (18-hour pumping) = 89.20%

Note: Available water based on 2005 Water Supply Plan and subsequent revisions approved February 20, 2007. Figures not adjusted for additional water available from New London during the summer months.

3. Significant Items

- 1.) Precipitation was 4.42 inches for the month.
- 2.) Ground water supplies are dwindling; Wells 2A, 3A, and 3B streamflows went below triggered threshold that requires lower withdrawals on 8/25.
- 3.) The field crew has painted 98 hydrants and flushed 67 hydrants.

EAST LYME WATER DEPARTMENT

Historic Water Production in Million Gallons per Month

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% +/- (Previous Year)	Monthly Precip. (in.)
Jan.	53.405	55.502	55.699	48.433	44.334	44.334	45.053	63.884	49.219	48.554	-1.35%	8.63
Feb.	50.538	58.426	56.887	41.951	44.733	47.832	41.912	61.236	47.891	43.782	-8.58%	1.98
Mar.	55.848	56.130	55.300	44.903	54.467	50.150	48.343	65.938	58.247	50.871	-12.66%	10.34
Apr.	54.891	56.931	49.606	46.231	52.493	48.753	49.554	60.322	59.939	51.362	-14.31%	4.75
May	68.621	65.388	58.395	51.915	57.692	55.327	57.411	65.009	70.825	59.312	-16.26%	6.82
Jun.	64.086	74.172	64.325	57.332	58.021	64.665	57.685	68.306	66.084	65.523	-0.85%	4.18
July	80.638	81.529	67.948	67.364	69.703	64.939	62.206	79.552	64.318	65.571	1.95%	6.75
Aug.	71.557	73.078	62.844	61.898	65.912	66.044	63.933	75.649	58.913	63.419	7.65%	4.42
Sept.	62.752	56.264	48.592	52.642	58.151	56.757	55.281	56.869	54.729			
Oct.	56.829	53.767	45.152	48.004	51.836	48.088	53.507	54.484	48.969			
Nov.	56.798	51.876	39.400	51.065	45.917	40.639	52.801	54.519	44.729			
Dec.	59.049	53.697	45.664	40.675	48.171	40.399	56.781	53.467	46.355			
Average	61.251	61.397	54.151	51.034	54.286	52.327	53.706	63.270	55.852	56.049		47.87

**% +/-
(Previous
Year)**

0.24%

-11.80%

6.37%

-3.61%

2.63%

17.81%

-11.72%

**% +/-
Running
Annual
Average**

-5.55%

EAST LYME WATER DEPARTMENT

Historic Water Production in Million Gallons per Month

	2015	2016	2017	2018	2019	2020	2021	2022	2023	AVG. Previous Years	2024	% +/- (Previous Years)	Monthly Precip. (in.)
Jan.	53.405	55.502	55.699	48.433	44.334	44.334	45.053	63.884	49.219	51.096	48.554	-4.97%	8.63
Feb.	50.538	58.426	56.887	41.951	44.733	47.832	41.912	61.236	47.891	50.156	43.782	-12.71%	1.98
Mar.	55.848	56.130	55.300	44.903	54.467	50.150	48.343	65.938	58.247	54.370	50.871	-6.43%	10.34
Apr.	54.891	56.931	49.606	46.231	52.493	48.753	49.554	60.322	59.939	53.191	51.362	-3.44%	4.75
May	68.621	65.388	58.395	51.915	57.692	55.327	57.411	65.009	70.825	61.176	59.312	-3.05%	6.82
Jun.	64.086	74.172	64.325	57.332	58.021	64.665	57.685	68.306	66.084	63.853	65.523	2.62%	4.18
July	80.638	81.529	67.948	67.364	69.703	64.939	62.206	79.552	64.318	70.911	65.571	-7.53%	6.75
Aug.	71.557	73.078	62.844	61.898	65.912	66.044	63.933	75.649	58.913	66.648	63.419	-4.84%	4.42
Sept.	62.752	56.264	48.592	52.642	58.151	56.757	55.281	56.869	54.729	55.782			
Oct.	56.829	53.767	45.152	48.004	51.836	48.088	53.507	54.484	48.969	51.182			
Nov.	56.798	51.876	39.400	51.065	45.917	40.639	52.801	54.519	44.729	48.638			
Dec.	59.049	53.697	45.664	40.675	48.171	40.399	56.781	53.467	46.355	49.362			
Total	735.012	736.760	649.812	612.413	651.430	627.927	644.467	759.235	670.218	676.364	448.394		47.87

% +/- (Previous Year)

% +/- Running Annual Average

0.24%

-11.80%

-5.76%

6.37%

-3.61%

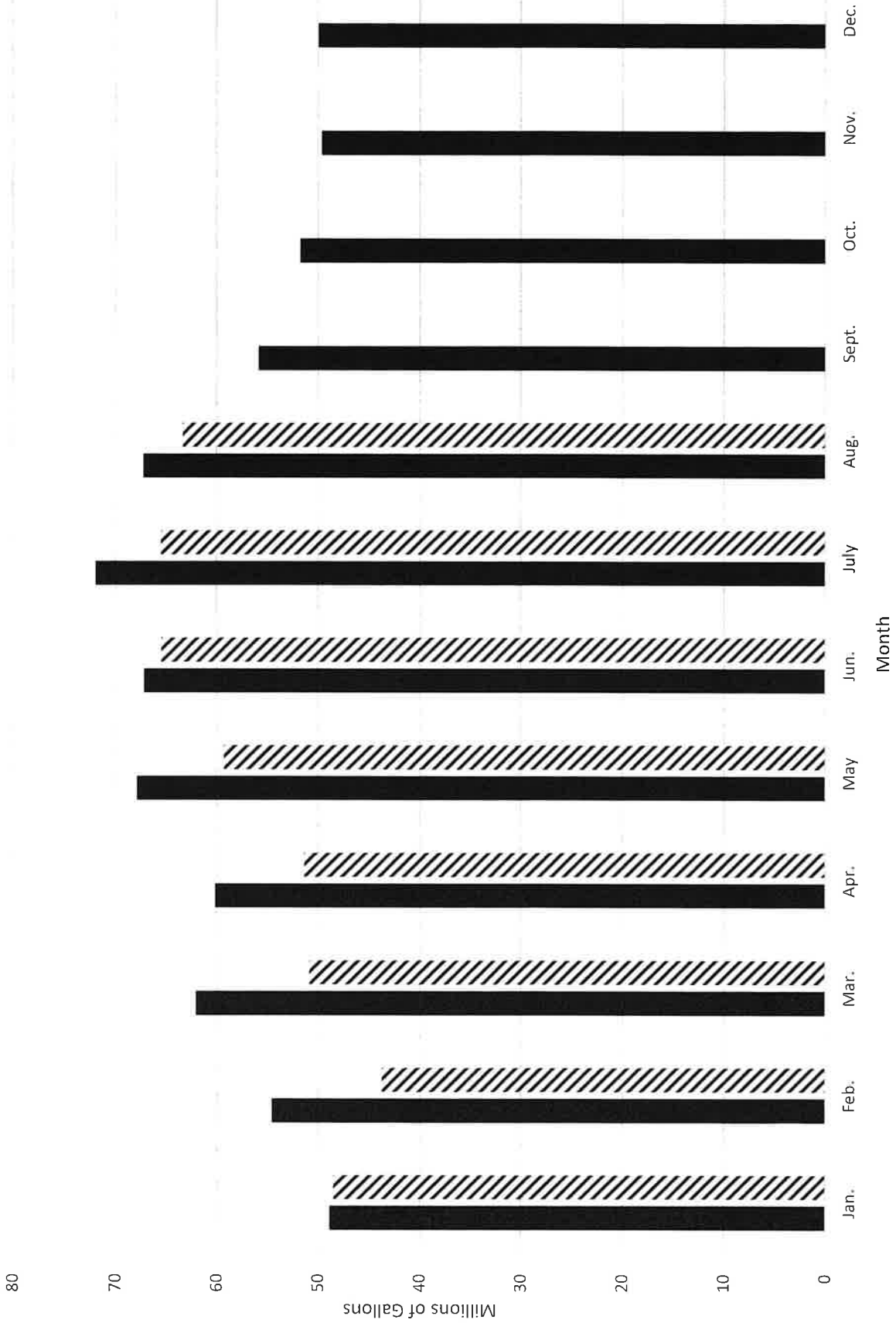
2.63%

17.81%

-11.72%

-5.05%

East Lyme Water - Production by Month



■ 2022 and 2023 Monthly Flow Total

▨ 2024 Monthly Flow Total

**EAST LYME WATER DEPARTMENT
Well Production Report - August 2024**

Withdrawals	Well 1A		Well 2A		Well 3A		Well 3B		Well 4A		Well 5		Well 6		Wells 3A/3B	Wells 2A/3A/3B	Daily Total (Wells)	Water From NL	Water To NL	Daily Total (Wells & NL)(3)	
	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	
Max. Reg./Perm.(1,2)	1.160		0.864		0.560		0.993		0.547		0.780		0.440		0.993	1.857	4.784	1.000	1.000	5.784	
24-hr Pumping	1.160		0.648		0.446		0.993		0.324		0.619		0.440		1.439	2.087	4.630	0.500	NA	5.130	
18-hr Pumping	0.870		0.486		0.335		0.745		0.243		0.464		0.330		1.080	1.566	3.473	0.500	NA	3.973	
SFR 24-hr Pumping(2)	1.160		0.648		0.446		0.993		0.324		0.000		0.000		0.993	1.641	3.125	0.500	NA	3.625	
SFR 18-hr Pumping	0.870		0.486		0.335		0.745		0.243		0.000		0.000		0.745	1.231	2.344	0.500	NA	2.844	
Monthly Average	0.490		0.310		0.218		0.247		0.194		0.240		0.343		0.465	0.775	2.041	0.004	0.000	2.046	
Date	*Alert* Trigger	12.0		4.0		15.0		20.0		6.0		18.0		22.0						Precip	
																				inches	
8/1/2024	0.487	17.8	0.315	34.0	0.229	43.1	0.243	31.4	0.158	6.00	0.224	11.3	0.336	39.7	0.472	0.787	1.992	0.000	0.000	1.992	0.43
8/2/2024	0.467	17.8	0.403	8.0	0.291	11.5	0.308	31.4	0.240	6.00	0.224	32.8	0.322	32.7	0.599	1.002	2.255	0.000	0.000	2.255	0.00
8/3/2024	0.556	13.2	0.283	8.0	0.186	11.3	0.188	31.2	0.174	13.80	0.253	10.8	0.384	31.5	0.374	0.657	2.024	0.000	0.000	2.024	0.01
8/4/2024	0.332	13.0	0.341	8.0	0.243	11.7	0.262	31.5	0.205	5.90	0.276	11.1	0.387	31.5	0.505	0.846	2.046	0.000	0.000	2.046	0.11
8/5/2024	0.488	18.1	0.267	34.0	0.190	11.6	0.192	31.1	0.215	6.00	0.255	10.7	0.337	39.8	0.382	0.649	1.944	0.000	0.000	1.944	0.66
8/6/2024	0.476	13.2	0.381	8.0	0.257	11.9	0.190	31.6	0.141	6.00	0.251	10.9	0.329	31.6	0.447	0.828	2.025	0.000	0.000	2.025	0.03
8/7/2024	0.512	13.3	0.319	7.0	0.226	11.8	0.228	30.7	0.213	5.90	0.260	11.4	0.353	31.5	0.454	0.773	2.112	0.000	0.000	2.112	0.65
8/8/2024	0.379	13.4	0.245	34.0	0.192	12.2	0.265	31.5	0.144	5.90	0.225	11.5	0.259	31.3	0.457	0.702	1.709	0.100	0.000	1.809	0.11
8/9/2024	0.573	13.3	0.298	8.0	0.203	10.7	0.170	26.8	0.249	5.70	0.243	11.6	0.396	31.4	0.373	0.671	2.132	0.000	0.000	2.132	0.14
8/10/2024	0.489	13.6	0.340	34.0	0.237	43.2	0.088	37.3	0.222	5.80	0.244	11.5	0.338	31.7	0.325	0.665	1.958	0.000	0.000	1.958	0.53
8/11/2024	0.529	13.5	0.365	7.0	0.254	13.0	0.111	37.5	0.196	5.90	0.259	11.8	0.366	31.5	0.365	0.730	2.079	0.000	0.000	2.079	0.00
8/12/2024	0.574	13.3	0.390	6.0	0.265	12.9	0.237	27.9	0.266	5.90	0.270	10.7	0.397	31.4	0.502	0.892	2.399	0.000	0.000	2.399	0.00
8/13/2024	0.540	13.2	0.334	9.0	0.231	12.8	0.236	27.6	0.238	5.90	0.279	32.8	0.373	31.3	0.467	0.801	2.231	0.038	0.000	2.269	0.15
8/14/2024	0.645	17.5	0.420	9.0	0.286	13.1	0.274	27.7	0.215	13.80	0.303	11.8	0.440	39.3	0.560	0.980	2.583	0.001	0.000	2.584	0.00
8/15/2024	0.472	17.5	0.284	31.0	0.202	42.7	0.255	25.9	0.174	13.80	0.243	32.7	0.326	31.3	0.457	0.741	1.955	0.000	0.000	1.955	0.00
8/16/2024	0.571	13.0	0.392	9.0	0.263	13.2	0.140	27.5	0.235	5.80	0.270	11.7	0.395	31.1	0.403	0.795	2.266	0.000	0.000	2.266	0.06
8/17/2024	0.596	17.5	0.273	32.0	0.188	42.8	0.129	37.2	0.186	13.80	0.230	33.0	0.412	39.5	0.317	0.590	2.014	0.000	0.000	2.014	0.00
8/18/2024	0.476	13.0	0.348	32.0	0.238	14.3	0.127	28.0	0.180	5.90	0.254	11.4	0.329	31.4	0.365	0.714	1.952	0.000	0.000	1.952	0.31
8/19/2024	0.408	17.6	0.192	9.0	0.145	42.9	0.302	26.2	0.198	6.00	0.200	12.0	0.282	39.6	0.447	0.639	1.727	0.000	0.000	1.727	0.90
8/20/2024	0.397	13.4	0.234	9.0	0.211	43.1	0.402	36.7	0.153	5.90	0.192	11.9	0.274	31.4	0.613	0.847	1.863	0.000	0.000	1.863	0.31
8/21/2024	0.448	13.4	0.286	34.0	0.210	43.0	0.392	26.7	0.143	13.90	0.147	33.6	0.310	31.5	0.602	0.888	1.936	0.000	0.000	1.936	0.00
8/22/2024	0.480	13.5	0.258	9.0	0.172	13.2	0.322	36.7	0.169	6.00	0.230	33.5	0.332	31.7	0.494	0.752	1.963	0.000	0.000	1.963	0.00
8/23/2024	0.515	17.9	0.248	34.0	0.177	42.9	0.329	36.5	0.200	13.90	0.239	11.8	0.366	39.6	0.506	0.754	2.064	0.000	0.000	2.064	0.00
8/24/2024	0.436	17.9	0.302	34.0	0.213	42.9	0.405	36.7	0.185	5.90	0.234	11.4	0.301	39.8	0.618	0.920	2.076	0.000	0.000	2.076	0.00
8/25/2024	0.495	17.9	0.351	9.0	0.230	13.3	0.432	26.6	0.148	5.90	0.238	11.1	0.342	39.8	0.662	1.013	2.236	0.000	0.000	2.236	0.00
8/26/2024	0.430	17.6	0.227	9.0	0.159	13.5	0.300	26.6	0.198	13.80	0.222	11.1	0.297	38.9	0.459	0.686	1.833	0.000	0.000	1.833	0.00
8/27/2024	0.436	13.4	0.339	9.0	0.249	13.3	0.281	26.7	0.166	5.80	0.210	33.0	0.301	31.8	0.530	0.869	1.981	0.000	0.000	1.981	0.02
8/28/2024	0.525	13.3	0.264	34.0	0.184	42.7	0.203	36.6	0.192	5.80	0.235	33.0	0.363	31.3	0.387	0.651	1.966	0.000	0.000	1.966	0.00
8/29/2024	0.479	13.3	0.288	7.0	0.195	12.3	0.204	30.9	0.198	13.80	0.237	11.0	0.331	31.6	0.399	0.687	1.932	0.000	0.000	1.932	0.00
8/30/2024	0.481	13.1	0.338	34.0	0.221	14.2	0.241	31.2	0.202	5.70	0.265	11.4	0.332	31.1	0.462	0.800	2.080	0.000	0.000	2.080	0.00
8/31/2024	0.493	13.1	0.277	8.0	0.199	13.1	0.206	31.2	0.208	13.80	0.225	10.0	0.341	31.8	0.405	0.682	1.948	0.000	0.000	1.948	0.00
Average	0.490	14.9	0.310	18.0	0.218	22.4	0.247	31.1	0.194	8.19	0.240	16.9	0.343	33.9	0.465	0.775	2.041	0.004	0.000	2.046	0.16
Minimum	0.332	13.0	0.192	6.0	0.145	10.7	0.088	25.9	0.141	5.70	0.147	10.0	0.259	31.1	0.317	0.590	1.709	0.000	0.000	1.727	0.00
Maximum	0.645	18.1	0.420	34.0	0.291	43.2	0.432	37.5	0.266	13.90	0.303	33.6	0.440	39.8	0.662	1.013	2.583	0.100	0.000	2.584	0.90
Total	15.185		9.605		6.746		7.658		6.008		7.437		10.641		14.404	24.009	63.280	0.139	0.000	63.419	4.42

Notes:

- MGD = Million Gallons Per Day
- WL = Water (in feet) above the airline or pressure transducer (set approximately 4 ft above the pump suction for each well; 17 ft above suction for Well 4A).
- SFR = stream flow restrictions (Wells 5 and 6 not operating).
- NR = No Reading Available
- (1) A condition of the Well 3A diversion permit limits the combined maximum withdrawal from Wells 2A, 3A, and 3B to 1.857 mgd.
- (2) Another condition of the Well 3A permit restricts the combined maximum withdrawal from Wells 3A and 3B to 0.864 mgd during "low" stream flow. If Well 3A is not pumped, Well 3B alone can be pumped at 0.993 mgd during "low" stream flow.
- (3) Totals represent well production plus water from New London. Does not include water to New London.

% Recvd. of Total Monthly Demand	0.22	Total Monthly Demand	
% of Total Sent to NL (Wells)		0.00	63.419
Running Total (water received 2023)	0.515		
Goal	14.850		
% of Goal	3.47		
Running Total (water sent to NL 2023)	0.000		
Goal	25.074		
% of Goal	0.00		

August 2024

East Lyme Sewer Maintenance Report for July 2024

1. Sewer tie-ins, inspections and CBYDs at various locations
2. Daily chemical machine checks and maintenance
3. Monthly alarm tests and meter readings
4. Daily station maintenance checks
5. General Sewer Pump Station Maintenance
6. General equipment maintenance
7. Monitor Odor Control System 31 Arbor Xing for H2s
8. Monitor Oder Control System. 170 Giants Neck Rd for H2S
9. Monitor H2S (Point O Woods)
10. O/M Maintenance

EAST LYME
WATER & SEWER COMMISSION

SEP 24 2024

AGENDA# 12b

Sewer Department Monthly Report

September 24 2024

Data For the Month of: July 2024

Monthly Running Avg: 1,013,622 GPD
 Daily Avg: 955,027 GPD
 Daily Max: 1,163,392 GPD
 Daily Min: 726,324 GPD

Daily Average as a Percent of Monthly Running Average: 94.22%

State CT Flows:

	DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Total
Actual GPD AVG.	140,809	18,731	0	22,356	40,000	221,896
Design GPD AVG.	250,000	58,400	24,600	105,000	40,000	478,000
% of Design GPD	56.3%	32.07%	0	21.29%	100.00%	46.42%
% of East Lyme Average Daily Flow	14.74%	1.96%	0.00%	2.34%	4.19%	23.23%
% of East Lyme 1.5 MGD Allotment	9.39%	1.25%	0.00%	1.49%	2.67%	14.79%

EAST LYME SEWER FLOWS - HISTORY

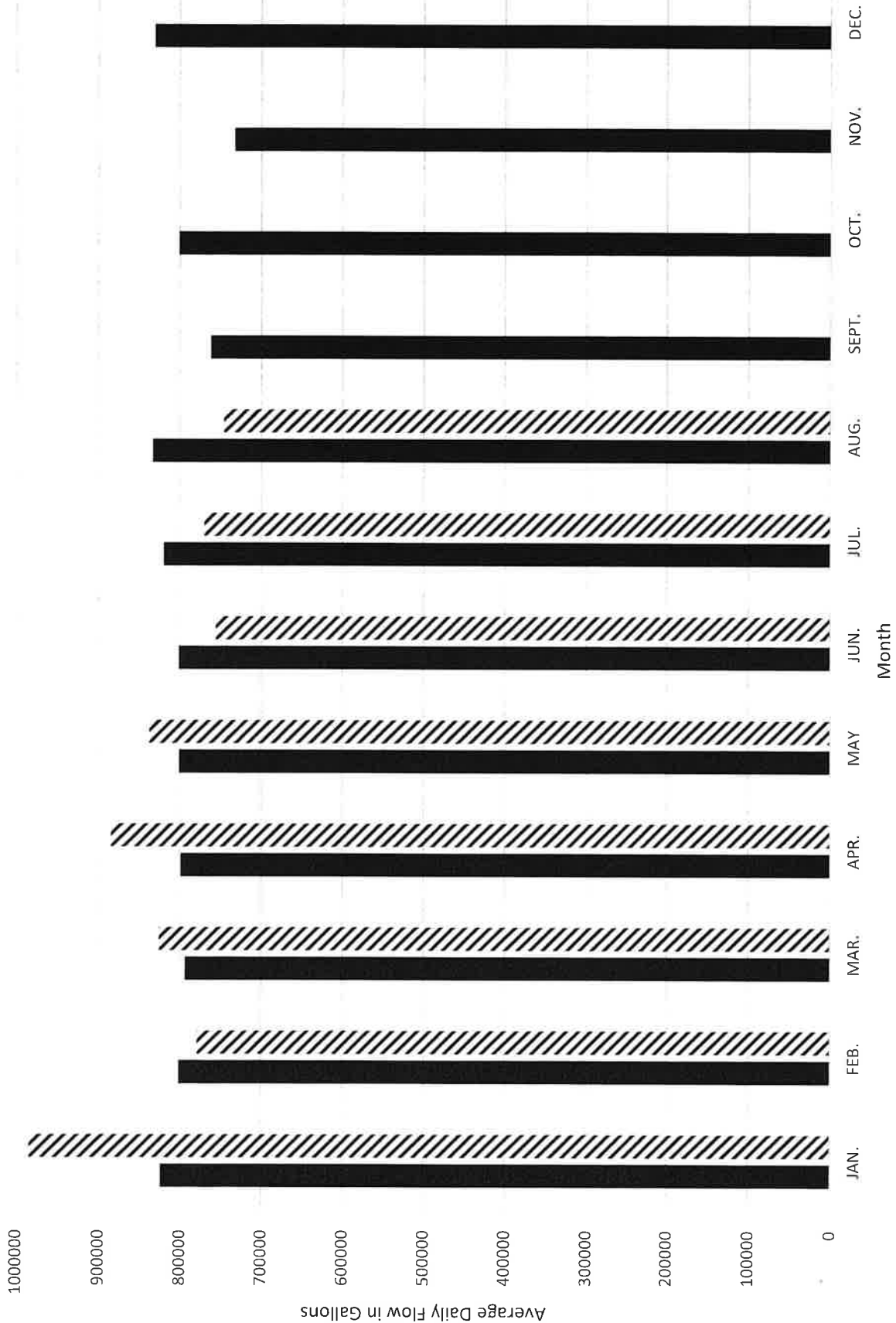
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% +/- Prev. Yr.	Precip. 2024 (in.)
JAN.	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	942,646	1,029,157	1,177,819	14.45%	8.63
FEB.	832,681	809,701	765,648	865,263	842,611	859,175	911,422	988,646	997,413	912,457	-8.52%	1.98
MAR.	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	948,873	984,116	1,048,941	6.59%	10.34
APR.	938,861	796,611	897,161	778,780	918,456	885,983	962,591	965,456	1,015,438	1,066,788	5.06%	4.75
MAY	913,816	777,446	872,268	746,049	947,042	900,485	951,501	922,857	1,061,763	989,756	-6.78%	6.82
JUN.	880,190	815,281	849,504	906,535	875,000	882,463	976,981	989,299	984,241	966,701	-1.78%	4.18
JUL.	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	995,433	1,086,674	991,582	-8.75%	6.75
AUG.	977,543	868,636	873,017	905,718	932,181	911,419	978,158	1,000,871	1,063,381	955,027	-10.19%	4.42
SEPT.	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	921,227	1,020,678			
OCT.	861,521	738,247	752,273	903,915	806,576	812,506	917,384	905,482	1,053,620			
NOV.	803,842	709,481	732,848	871,111	815,129	786,482	937,414	864,223	954,365			
DEC.	788,121	728,649	728,437	894,050	927,335	896,694	895,121	950,524	1,057,605			
RUNNING AVERAGE	894,041	785,390	807,232	873,578	904,936	857,919	954,508	949,628	1,025,704		-1.24%	5.98
												Precip. Total 47.87

EAST LYME SEWER FLOWS - HISTORY

	AVG. Prev.												Precip. 2023 (in.)
	2015	2016	2017	2018	2019	2020	2021	2022	2023	Years	2024	% +/- AVG. Prev. Years	
JAN.	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	942,646	1,029,157	865,255	1,177,819	36.1%	8.63
FEB.	832,681	809,701	765,648	865,263	842,611	859,175	911,422	988,646	997,413	859,393	912,457	6.2%	1.98
MAR.	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	948,873	984,116	884,410	1,048,941	18.6%	10.34
APR.	938,861	796,611	897,161	778,780	918,456	885,983	962,591	965,456	1,015,438	892,987	1,066,788	19.5%	4.75
MAY	913,816	777,446	872,268	746,049	947,042	900,485	951,501	922,857	1,061,763	878,933	989,756	12.6%	6.82
JUN.	880,190	815,281	849,504	906,535	875,000	882,463	976,981	989,299	984,241	896,907	966,607	7.8%	4.18
JUL.	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	995,433	1,086,674	964,153	991,582	2.8%	6.75
AUG.	977,543	868,636	873,017	905,718	932,181	911,419	978,158	1,000,871	1,063,381	930,943	955,027	2.6%	4.42
SEPT.	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	921,227	1,020,678	864,448			
OCT.	861,521	738,247	752,273	903,915	806,576	812,506	917,384	905,482	1,053,620	837,238			
NOV.	803,842	709,481	732,848	871,111	815,129	786,482	937,414	864,223	954,365	815,066			
DEC.	788,121	728,649	728,437	894,050	927,335	896,694	895,121	950,524	1,057,605	851,116			
AVG.	894,041	785,390	807,232	873,578	904,936	857,919	954,508	949,628	1,025,704	878,404	1,013,622	13.3%	5.98

Precip. Total 47.87

East Lyme Sewer Average Daily Flow Last Year vs 2 Year Average



East Lyme Sewer Department

Monthly Average Day Wastewater Flows (MGD)

September 24 2024

Sewer Flows for the Month of August

Year	Month	Total Daily Combined Flows from East Lyme and State					State Average Daily Flows by Facility						State Allocation (0.478 MGD)			East Lyme Allocation (1.022 MGD)		
		Niantic Sewer Pump Station Flows		DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Daily Usage	Capacity Remaining	Percent Capacity Remaining	Daily Usage	Capacity Remaining	Percent Capacity Remaining	Daily Usage	Capacity Remaining	Percent Capacity Remaining	
2024	January	Average	1.178	1.748	0.977	0.120	0.013	0.000	0.020	0.040	0.193	0.285	60%	0.985	0.037	4%		
	February	Average	0.912	1.076	0.619	0.080	0.007	0.000	0.007	0.040	0.133	0.345	72%	0.779	0.243	24%		
	March	Average	1.049	1.430	0.844	0.157	0.009	0.000	0.017	0.040	0.223	0.255	53%	0.826	0.196	19%		
	April	Average	1.067	1.544	0.925	0.110	0.015	0.000	0.017	0.040	0.182	0.297	62%	0.885	0.137	13%		
	May	Average	0.990	1.285	0.565	0.073	0.015	0.000	0.024	0.040	0.152	0.327	68%	0.838	0.184	18%		
	June	Average	0.967	1.145	0.571	0.137	0.006	0.000	0.028	0.040	0.211	0.267	56%	0.756	0.266	26%		
	July	Average	0.992	1.247	0.725	0.141	0.019	0.000	0.022	0.040	0.222	0.256	54%	0.770	0.252	25%		
	August	Average	0.955	1.163	0.726	0.138	0.005	0.000	0.026	0.040	0.209	0.269	56%	0.746	0.276	27%		
	September																	
	October																	
	November																	
	December																	
Annual Avg. (Jan - Dec)			1.014	1.330	0.744	0.119	0.011	0.000	0.020	0.040	0.191	0.287	60%	0.823	0.199	19%		
												Rolling 2 Year Average		0.813	0.209	20%		

All figures reported in Million Gallons Daily (MGD)

*New Main Flow Meter installed - 2/24

**Data during March and April was estimated using Waterford PS Data