

**EAST LYME WATER AND SEWER COMMISSION
AGENDA
August 27, 2024**

**Regular Meeting
East Lyme Town Hall
(Upstairs Main Meeting Room)**

7 PM

- 1. Call to Order / Pledge of Allegiance**
- 2. Approval of Minutes**
 - a. Regular Meeting Minutes – July 23, 2024**
- 3. Delegations**
- 4. Correspondence Log**
- 5. Billing Adjustments/Disputes**
 - a. 135 Boston Post Rd**
 - b. 1 in 10 Adjustments (For Informational Purposes Only)**
 - 1. 99 Laurelwood Dr**
 - 2. 15 Joval St**
 - 3. 41 Saunders Dr**
- 6. Approval of Bills – Attachment A**
- 7. Finance Director Report**
- 8. Project Updates**
- 9. Discussion on Annual Consumer Confidence Water Quality Report**
- 10. Discussion and Possible Action on a Consideration of Sewer Capacity Allocation to Parkers Place, LLC Located at Park Place, East Lyme**
- 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**

Vertical stamp: EAST LYME TOWN CLERK

**EAST LYME WATER & SEWER COMMISSION
REGULAR MEETING
TUESDAY, JULY 23rd 2024
MINUTES**

The East Lyme Water & Sewer Commission held a Regular Meeting on July 23, 2023. Chaiman Dan Cunningham called the Regular Meeting at 7:00 PM.

PRESENT: Dan Cunningham Chairman, Dave Murphy, Dave Bond, Dave Zoller, Roger Spencer, Michelle Williams, Carol Russell.

ALSO PRESENT: Joe Bragaw, Public Works Director
Matt Garneau, Utility Engineer
Ben North, Chief Operating Officer
Ann Cicchiello, Deputy First Selectman

ABCENT: Ken Roberts

(Faint handwritten notes and stamps, including "TOWN OF EAST LYME, CT" and "AUG 27 2024")

1. Call to Order/Pledge of Allegiance

Chairman Dan Cunnigham called the Regular Meeting for the Town of East Lyme Water and Sewer Commission to order at 7:00PM. The Pledge was observed.

2. Approval of Minutes

Regular Meeting Minutes – June 25th, 2024.

Mr. Cunningham called for a motion to approve or any discussion on the Regular Meeting Minutes of June 25th, 2024.

****MOTION (1)**

Mr. Murphy moved to approve the Regular Meeting Minutes of June 25th, 2023, with the following corrections: Remove Mr. Bonds name who was absent. Spelling of Mr. North's name on page 2, paragraph 2. Change the word "plan" to "plant" under Future Agenda Items title.

Mr. Zoller seconded the motion.

Vote: 5 – 0 – 2

Motion passed.

3. Delegations

Mr. Cunningham called for delegations.

Mr. Lesley Candlish from 5 Cottage Lane, Niantic presented to the board his concern about his neighbor's sump pump that is loud and that seems to be running 24/7. Mr. Candlish mentioned that he would like the department to check on permits and legality of the sump pump at his neighbor's property. He also asked for an update on the inquiry on Sump Pump Illegal Connections that the department initiated via mass mailing in May 2024.

Mr. North answered that unfortunately not many people had come forward with information on these types of connections. There have been only a couple of customers that have called to make appointments to check their connections.

**EAST LYME
WATER & SEWER COMMISSION**

AUG 27 2024

AGENDA# 2a

Mr. Bond mentioned that the reason for the mailings was to investigate sump pump connections that are being dumped into the public sewer. Mr. Candlish noted that his neighbor's sump pump was being released in their backyard.

Mr. North took the information on the address of Mr. Candlish's neighbor and ensured that the department will investigate to confirm legality of connection and to eliminate the possibility of a water service leak in the vicinity.

4. Correspondence Log

Mr. Cunningham went over the correspondence log.

5. Billing Adjustments – None

Mr. Cunningham called for billing adjustments.

Mr. North mentioned that there were none for this meeting. He also wanted to let the commission know that there is a constant/high usage report at the Dairy Queen location and that the department has reached out to the owner to remedy the issue. This could be a possible 1 in 10 Request.

6. Approval of Bills – Attachment A

Mr. Cunningham called for the approval of bills.

****MOTION (2)**

Mr. Murphy moved to approve the following DOT Water and Sewer Relocation Project bills: Weston & Sampson Inv. #6241215 in the amount of \$4,360.00 and Weston & Sampson Inv. #7241159 in the amount of \$2,000.00.

Mr. Zoller seconded the motion.

Vote: 7 - 0 - 0.

Motion passed.

Mr. North updated that the department is still working with the engineer on the redesign of that bridge.

7. Finance Director Report

Mr. Gervais was not present at the meeting.

8. Project Updates

a. Well 2A/3A/3B WTP Upgrade Project

Mr. Garneau reported that the first phase of the project is complete. He also mentioned that the department is applying for the approval of Phase II which will bring Well 2A online. All three wells are now being treated from a centralized treating plant which is doing 1200 gallons/minute. There are some loose ends to finalize but it is going well.

9. Discussion and Possible Action on Niantic for Force Main Condition Assessment

Mr. North reported that the proposal presented is from Corrosion Probe, Inc. A company that he had worked with in the past job in New London. This company identifies the condition of piping before it becomes catastrophic. The department is looking into the different options to investigate the state of the force main that runs under the Niantic Bay – the main force main for the Niantic Pump Station and sends all of the town's sewer flows to New London for treatment. Testing will be necessary for the condition of the soil, water and ultrasonic testing of the thickness of the pipe. The results of these testing will help

the department understand the condition of the force main presently. During the Niantic Treatment Station updates, a piece of the pipe was tested for corrosion, and it seems to be in good condition. The force main resides in the Ciny Park Peninsula and testing of the pipes close to the water will be necessary to understand the condition of the pipe and to collect water samples in the peninsula for corrosion level investigation. These tests could lead to the need to hire divers or, the use of ROV in the piping to check on the condition of the force main underwater. The ROV testing would be around \$400k to \$500K. Mr. North said that he understands that the replacement of that line in that area would cost around \$2M to \$3M so, the department is trying to prioritize this project. This proposal from Corrosion Probe, Inc. is the first step to understanding how urgent this project would need to take place. Mr. Bond asked if part of the piping could be on the bridge so only 100 feet would be submerged. Mr. North responded that that solution could be looked at. Mr. North mentioned that the options for piping would be PVC or HDPE.

Mr. Murphy asked if this is a sole source project or would bidding for this work be necessary. Mr. North mentioned that this a specialty testing and that he was not aware of other companies that provided the specialized testing of pipelines. He also said that the department could go through a bidding process if that's what the commission decides.

Mrs. Russell asked if a secondary pipe should be considered as a back up system. Mr. Garneau said that the testing proposed would help to decide if a second force main would be necessary. Mr. Cunningham reiterated the importance of using a company that has the expertise to test the integrity of inside the pipes and being proactive.

****MOTION (3)**

Mr. Murphy moved to approve the transfer of 28,170 from funds available in the Sewer Assessment Fund into an account the called "Niantic Force Main Condition Assessment" to fund engineering services to study soil and water conditions in contact with the force main to better understand its condition.

Mr. Zoller seconded the motion.

Vote: 7 -0-0

Motion passed.

10. Discussion and Possible Action on 'Bridebrook Pump Station Alternatives Analysis' for Obtaining an Easement for a New Station

Mr. North explained that the department has worked for several years on acquiring land to increase the station footprint at West Main Street. When the pump station was first built, it did not meet the hydraulic requirements to pump to the next station. In the early 2000s another pump station was built to take the flow from the first set of pumps to the next, adding enough hydraulic power to deliver the flow to Fairhaven/West Main Street. It is not an ideal set up and the Bridebrook Pump Station should be moved further back into the Rocky Neck State Park area as a newly built station that could handle enough capacity. He went on to explain that the building of a new station has been in Capital Plan for a number of years and that the DEEP, parks department and the National Service have been involved in the decision of the pump station relocation. At this time, the DEEP is on board with the move and wants the department to finalize the alternatives analysis. The DEEP also wants an updated drawing of the

plans showing some provision of connection to the park so they can go forward with the National service and DEEP land acquisition.

****MOTION (4)**

Mr. Murphy moved to transfer \$8,320 from funds available in the Sewer Assessment Fund into an account to be called "Bridebrook Site Alternatives Analysis Update" to cover engineering services to the update the Bridebrook Sewer Pump Station Site Alternatives Analysis to satisfy DEEP requirements to move forward in acquiring additional easement to build a new Bridebrook Sewer Pump Station.

Mr. Zoller seconded the motion.

Vote: 7 -0-0

Motion passed.

11. Discussion on Possible Action Spinnaker FY25 Rates

Mr. North presented the Annual Agreement that the department has kept with Spinnaker Association for maintaining their pump station. The proposed rate increase is 4%.

****MOTION (5)**

Mr. Murphy moved to approve the proposed FY25 Spinnaker Agreement and rates as presented and authorize the Water and Sewer Chairman to sign the 'Agreement Re Maintenance of Sewer Pump Station' for FY25.

Mr. Spencer seconded the motion.

Vote: 6 -0-1

Motion passed.

12. Chairman's Report

Mr. Cunningham noted that during Celebrate East Lyme, the fire department was able to avoid a disastrous situation by having a "propane sniffing device". One of the food trucks had a massive propane leak that could not be shut off by using the valves. The truck was taken away from Main Street and the fire department used fire hydrants to spray the truck, avoiding a possible tragic incident.

13. Staff Updates

a. Water Department Monthly Report

Mr. North reported that water production is up 65 ½ Million gallons. There are no sprinkler restrictions currently. No water from New London has been needed. Mrs. Williams asked about the number of meters that have not been replaced yet. Mr. North answered that the number is close to one hundred. Mr. Garneau mentioned that a "last attempt" letter was sent out to try to schedule meters to be replaced.

b. Sewer Department Monthly Report

Mr. North mentioned that the department will be looking into options to check illegal usage of the sewer systems. He thinks that cameras/CCTV systems should be used to find things such as sump pump dumps, cross connections, cracks, etc. He also mentioned that 25,000 ft a year would be a good goal to CCTV per year. Mrs. Williams asked if there is an acoustic option. Both

Mr. Garneau and Mr. Morth answered that they were not aware of such method however, they will be doing research into it.

14. Future Agenda Items

a. Capital Projects Subcommittee

Mr. North said that meetings will be scheduled in the next couple of weeks. He mentioned the ten-year CIP Report for sewer has been updated and that water CIP will also be discussed.

b. Finance Subcommittee

Mr. North assured that after the Capital Projects Subcommittee meets, a meeting with this subcommittee will be scheduled.

15. Adjournment

Mr. Cunningham called for a motion to adjourn.

****MOTION (6)**

Mr. Murphy moved to adjourn this Regular Meeting of the East Lyme Water and Sewer Commission at 8:12 PM.

Mr. Zoller seconded the motion.

Vote 7 – 0 – 0

The motion passed.

Respectfully submitted,

Tania Ranelli
Recording Secretary

Request for Water & Sewer Commission

TO: Water & Sewer Commission
FROM: Ben North, Chief Operating Officer
DATE: August 19, 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>5A</u> Date: 8/19/24</p>
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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 Flag	Readings	Usage	Roll Flag	Ref Num
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Account Id	Location	Units Code	Year Prd	Date	Type	Est Flag	Readings	Usage	Roll Flag	Ref Num
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	B00882998	1.00 SAF	2024	2 04/11/24	S		48900000	44067000		20750
		1.00 MFW	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	Readings	Usage	Roll	Ref
Type	Section Name						Flag			Flag	Num
	Cycle Meter Num	Mult	Size	Book	Page						
Bill Group											
161700-0	135 BOSTON POST ROAD					Continued					
								1691000	86000		912
								1605000	113000		629
								1492000	119000		147
								1373000	112000		0
								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

Identification

Work Type Water

Sub Type

District

Attributes

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

Identification

Work Type	Water
Sub Type	Inspection
District	

Attributes

Created By	Water Meters
Source	
Name	
Phone	
Email	
Address	135 BOSTON POST RD
Location Address	135 BOSTON POST RD

Location Details

Resolution

ATTACHMENT A
APPROVAL OF BILLS

EAST LYME WATER & SEWER COMMISSION

August 27, 2024

- | | | |
|---|----|-----------|
| 1. Well 5 Backwash Lagoon Expansion | | |
| a. Tighe & Bond Inv. No. 032491310 | \$ | 3,293.55 |
| 2. PFAS Preliminary Engineering Survey | | |
| a. Tighe & Bond Inv. No. TB-1001229 | \$ | 21,343.75 |
| b. Tighe & Bond Inv. No. TB-1003153 | \$ | 7,182.50 |

**EAST LYME
WATER & SEWER COMMISSION**

AUG 2 / 2024

AGENDA# 6



Invoice:

Town of East Lyme
East Lyme Water and Sewer
108 Pennsylvania Avenue
PO Box 519
Niantic, CT 06357

INV. DATE : 3/25/2024
INVOICE # **: 032491310
PROJECT # : 140610034

Attention: Matthew Garneau

ELYME-East Lyme Well 5 Backwash Lagoon Expansion


Email Invoice to:
mgarneau@eltownhall.com

FOR PROFESSIONAL SERVICES RENDERED THROUGH 2/24/2024 AS FOLLOWS:

Services rendered this period were performed in accordance with Agreement dated May 15, 2023.

TOTAL AMOUNT DUE
(as per attached)

\$3,293.55

RECOMMENDED FOR PAYMENT 
DIRECTOR PUBLIC WORKS C.O.O.
APPROVED FOR PAYMENT _____
CHAIRMAN
EAST LYME WATER & SEWER COMMISSION

Budget	\$46,600.00
Previously Invoiced	\$43,286.25
Current Invoice Services	\$3,293.55
Total Invoiced to Date	\$46,579.80
Budget Balance Remaining	\$20.20

Invoices are due and payable within 30 days of receipt unless otherwise stated in our Agreement.

ACH / Wire Transfers: TD Bank
Routing#: 211370545
Account #: 49919061
E-mail: AR@TigheBond.com

Previous Outstanding Invoices	Days				
	Total	1-30	31-60	61-90	>90
	\$3,315.00	\$0.00	\$3,315.00	\$0.00	\$0.00

Please Remit Payment to: Tighe & Bond, Inc. • 53 Southampton Road • Westfield, MA 01085-5308 • Tel 413.562.1600

Town of East Lyme
 East Lyme Water and Sewer
 108 Pennsylvania Avenue
 PO Box 519
 Niantic, CT 06357

INV. DATE : 3/25/2024
 INVOICE # : 032491310
 PROJECT # : 140610034

Attention: Matthew Garneau

PROFESSIONAL PERSONNEL AND EXPENSE DETAIL

Design

SALARIES AT FIXED RATE	HOURS	RATE	AMOUNT
Senior Project Manager	3.00	245.00	735.00
Staff Engineer 2	2.00	130.00	260.00
	5.00		995.00
EXPENSE CHARGES			AMOUNT
Mileage-Prevailing Rate			46.90
Freight & Overnight Mail			14.15
			61.05
Total Design			1,056.05

Permitting Assistance

SALARIES AT FIXED RATE	HOURS	RATE	AMOUNT
Senior Project Manager	3.50	245.00	857.50
Staff Engineer 1	11.50	120.00	1,380.00
	15.00		2,237.50
Total Permitting Assistance			2,237.50
**Total Project 140610034			<u>3,293.55</u>

TOWN OF EAST LYME
 EAST LYME WATER AND SEWER
 108 PENNSYLVANIA AVENUE
 PO BOX 519
 NIAN TIC, CT 06357

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-1001229
Invoice Date : 6/4/2024
Project : 140610037
Project Name : ELYME-Basis of Design PFAS
 Treatment Well 1A/6 and Well 4A
 WTPs

For Professional Services Rendered Through 5/25/2024

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.

	Fee	Available	Billings		
			To Date	Previous	Current
140610037 - ELYME-Basis of Design PFAS Treatment	79,500.00	28,567.72	72,276.03	50,932.28	21,343.75
<i>Rate Labor</i>		21,343.75			

Current Billings 21,343.75

Amount Due This Bill 21,343.75

RECOMMENDED FOR PAYMENT 

~~DIRECTOR PUBLIC WORKS~~ **C.O.O.**

APPROVED FOR PAYMENT _____

CHAIRMAN

EAST LYME WATER & SEWER COMMISSION

Total Fee : 79,500.00
To Date Billings : 72,276.03
Total Remaining : 7,223.97

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	032499036	3/19/2024	2,432.50	2,432.50
	042499042	4/15/2024	25,684.78	25,684.78
	TB-1000403	5/22/2024	22,815.00	<u>22,815.00</u>
				50,932.28

02 - Basis of Design

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Principal Engineer	46.75	245.00	11,453.75
Senior Project Manager	15.00	245.00	3,675.00
Staff Engineer 2	43.50	130.00	5,655.00
Vice President	2.00	280.00	560.00

Total Rate Labor **21,343.75**

Total Bill Task: 02 - Basis of Design **21,343.75**

Total Project: 140610037 - ELYME-Basis of Design PFAS Treatment Well 1A/6 and Well 4A WTPs **21,343.75**

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-1003153
Invoice Date : 7/12/2024
Project : 140610037
Project Name : ELYME-Basis of Design PFAS
 Treatment Well 1A/6 and Well 4A
 WTPs

For Professional Services Rendered Through 6/29/2024

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.

	Fee	Available	Billings		
			To Date	Previous	Current
140610037 - ELYME-Basis of Design PFAS Treatment	79,500.00	7,223.97	79,458.53	72,276.03	7,182.50
<i>Rate Labor</i>		7,182.50			

Current Billings 7,182.50

Amount Due This Bill 7,182.50

RECOMMENDED FOR PAYMENT 

DIRECTOR PUBLIC WORKS C.O.

APPROVED FOR PAYMENT _____

CHAIRMAN

EAST LYME WATER & SEWER COMMISSION

Total Fee : 79,500.00
To Date Billings : 79,458.53
Total Remaining : 41.47

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	TB-1001229	6/4/2024	21,343.75	<u>21,343.75</u>
				21,343.75

02 - Basis of Design

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Principal Engineer	16.00	245.00	3,920.00
Senior Project Manager	6.50	245.00	1,592.50
Staff Engineer 2	1.00	130.00	130.00
Vice President	5.50	280.00	1,540.00

Total Rate Labor **7,182.50**

Total Bill Task: 02 - Basis of Design **7,182.50**

Total Project: 140610037 - ELYME-Basis of Design PFAS Treatment Well 1A/6 and Well 4A WTPs **7,182.50**



ANNUAL WATER QUALITY REPORT

Reporting Year 2023



Presented By
**East Lyme Water and
Sewer Commission**





Our Commitment

We are pleased to present to you this year's annual water quality report. This report is a snapshot of last year's water quality covering all testing performed between January 1 and December 31, 2023. Included are details about your sources of water, what it contains, and how it compares to standards set by regulatory agencies. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and providing you with this information because informed customers are our best allies.

Revised Total Coliform Rule Violation

On July 21, 2023, a routine bacteriological sample of an East Lyme water well was found to be positive for *E. coli*. This was a sample of water prior to treatment for consumption. As a precaution, the well was immediately shut down, and DPH was notified. At its direction, five repeat bacteriological samples were collected for analysis and delivered to the regulatory lab the same day. Only one of the five samples was analyzed on July 22 instead of the five that were delivered. This sample was negative for bacteria and *E. coli*, but because not enough samples were analyzed within 24 hours of the original sample, additional sampling was required.

Five new samples were collected on July 24 and analyzed on July 25. All five came back negative for bacteria and *E. coli*. The production well was cleared to resume operation on July 25 and has remained in production since. This is a raw water source that is routinely analyzed before the treatment and disinfection process. No bacteria or *E. coli* was detected in the treated drinking water that entered the distribution system on the day of sampling. The affected well was kept offline until it was approved to resume operation.

Water Treatment Process

The treatment process consists of a series of steps. First, raw well water is pumped from our aquifers and sent to pressurized filter vessels, where chlorine is added for oxidation and removal of iron and manganese concentrations that are naturally occurring in the water. At this point, the water is also filtered through layers of fine carbon and silicate sand. As smaller suspended particles are removed, turbidity (a measurement of water clarity) is significantly reduced, and clear water emerges.

Chlorine is added again as a precaution against any bacteria that may still be present and to maintain a safe residual in the distribution system. We carefully monitor the amount of chlorine, adding the lowest quantity necessary to protect the safety of your water without compromising taste. Finally, pH is adjusted to the proper level and fluoride is added to prevent tooth decay and promote healthy teeth. The treated water is then pumped through roughly 114 miles of distribution piping into three water towers across town and your home or business.

Important Health Information

Sources of lead in drinking water include corrosion of household plumbing systems and erosion of natural deposits. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.



Sources of copper in drinking water include corrosion of household plumbing systems, erosion of natural deposits, and leaching from wood preservatives. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's disease should consult their personal doctor.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. Environmental Protection Agency (U.S. EPA)/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

Community Participation

You are invited to participate in our public forum and voice your concerns about your drinking water. We meet the fourth Tuesday of each month at 7:00 p.m. at East Lyme Town Hall, 108 Pennsylvania Avenue, Niantic.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please contact Ben North, Chief Operating Officer, at (860) 691-4104 or watersewer@eltownhall.com.

Source Water Assessment

The Connecticut Department of Public Health (DPH), in cooperation with the Department of Energy and Environmental Protection, completed source water assessments for all of the East Lyme Water Department's public water supply sources. The sources were rated based on their environmental sensitivity, potential risk factors, and source protection needs. The rating does not necessarily imply poor water quality but indicates susceptibility to potential sources of contamination.

The Bride Lake well field, which includes Wells 2A, 3A, and 3B, received a low overall susceptibility rating. The remaining well fields - which include Gorton Pond (Wells 1A and 6), Dodge Pond (Well 4A), and Well 5 - received moderate overall susceptibility ratings. New London's Lake Konomoc reservoir received a low susceptibility rating. The source water assessments are available at <https://www.epa.gov/waterdata/how-my-waterway>. Go to Source Water Protection, then to Connecticut's SWAP Assessment Reports and Findings.

Where Does My Water Come From?

Town of East Lyme customers depend on a water supply from seven groundwater sources. Wells are located throughout the town in two separate aquifers, the Pattagansett and Bride Brook. The water from six of the wells is filtered to remove iron and manganese and then treated for pH adjustment, chlorine disinfection, and fluoridation. Well 2A is the sole well in town that is similarly treated but not filtered for iron and manganese. A sequestering agent is added to the finished water of Well 2A to mitigate issues arising from iron and manganese in the unfiltered water. A construction project is currently underway and should be completed by summer 2024 to filter this source as well.

Treated water from these wells is delivered through an extensive distribution system, including three water storage tanks and 10 booster stations. During the summer months, East Lyme's supply is supplemented with water from the City of New London through a distribution network including over three miles of water main, an elevated water storage tank, and two pumping stations. New London's water comes from lakes and reservoirs in a protected watershed located in Waterford, Montville, and Salem. The principal reservoir is Lake Konomoc. The water is processed using coagulation, flocculation, sedimentation, and carbon filtration and treated for pH adjustment, chlorine disinfection, fluoridation, and corrosion control. To learn more about the watersheds, please visit U.S. EPA's How's My Waterway at epa.gov/waterdata/how-my-waterway.

Source Water Protection

Level A aquifer mapping has been completed for all of our water supply sources and approved by the state regulatory agencies. The mapping more accurately identifies the zone of influence for our water supply wells and is used to regulate land use activities that may affect water quality.

Water Conservation Tips

You can play a role in conserving water and save yourself money in the process by becoming conscious of the amount of water your household is using and looking for ways to use less whenever you can. It is not hard to conserve water. Here are a few tips:

- Automatic dishwashers use four to six gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water-using appliances. Then check the meter after 15 minutes. If it moved, you have a leak.
- The smart meter that we recently installed in your home sends alerts when continuous consumption, or a leak, is detected. We then send postcards to customers to alert them of this condition before the next billing cycle when the meter is read, which saves you money and conserves water.

Lead in Home Plumbing

Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water and removing lead pipes, but we cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, or doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute-accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Ben North, Chief Operating Officer, at (860) 691-4104. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at epa.gov/safewater/lead.



Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule, and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink. We are required to report our highest level detected of a given substance, so your overall exposure to a substance will be less than those detected levels because our system is blended with many sources of water that may have lower or undetectable levels of the same substance. Our minimal goal is to keep all substances below maximum levels, but we strive to reduce these substances to the lowest possible level using the treatment techniques available to us.



The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

We participated in the fifth stage of the U.S. EPA's Unregulated Contaminant Monitoring Rule (UCMR5) program by performing additional tests on our drinking water. UCMR5 sampling benefits the environment and public health by providing the U.S. EPA with data on the occurrence of contaminants suspected to be in drinking water by providing to introduce new regulatory standards to improve drinking water quality. Unregulated contaminant monitoring data is available to the public, so please feel free to contact us if you are interested in obtaining that information. If you would like more information on the U.S. EPA's Unregulated Contaminant Monitoring Rule, please call the Safe Drinking Water Hotline at (800) 426-4791.

For more information about UCMR5 and our PFAS test results, please visit <https://elotownhall.com/government/departments/water-sewer-utilities/learn-about-pfas/>

REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL (MRDL)	MCLG (MRDLG)	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Barium (ppm)	2023	2	2	0.044	0.008–0.044	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beta/Photon Emitters (pCi/L)	2023	50 ¹	0	33	ND–33.0	No	Decay of natural and human-made deposits
Chlorine (ppm)	2023	[4]	[4]	1.56	0.2–1.56	No	Water additive used to control microbes
Fluoride (ppm)	2023	4	4	1.46	0.28–1.46	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Halocacetic Acids [HAAs]—Stage 2 (ppb)	2023	60	NA	10.43 ²	3.60–16.30 ²	No	By-product of drinking water disinfection
Nitrate (ppm)	2023	10	10	4.40	0.2–4.40	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
TTHMs [total trihalomethanes]—Stage 2 (ppb)	2023	80	NA	29.25 ³	12.70–28.10 ³	No	By-product of drinking water disinfection
Turbidity ⁴ (NTU)	2023	TT	NA	0.85	NA	No	Soil runoff

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

AL (Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health.

MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

pCi/L (picocuries per liter): A measure of radioactivity.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

ppt (parts per trillion): One part substance per trillion parts water (or nanograms per liter).

SMCL (Secondary Maximum Contaminant Level): These standards are developed to protect aesthetic qualities of drinking water and are not health based.

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	MCLG	AMOUNT DETECTED (90TH %ILE)	RANGE LOW-HIGH	SITES ABOVE AL/ TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2023	1.3	1.3	0.45	ND-0.77	0/130	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	2023	15	0	1	ND-6	0/130	No	Lead service lines; Corrosion of household plumbing systems, including fittings and fixtures; Erosion of natural deposits

SECONDARY SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	MCLG	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Manganese (ppb)	2023	50	NA	370	ND-370	No	Leaching from natural deposits
pH (units)	2023	6.5-8.5	NA	8.20	7.00-8.20	No	Naturally occurring

UNREGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Calcium (ppm)	09/12/2023	12.4	5.59-12.4	Naturally occurring
Magnesium (ppm)	10/11/2023	4.28	0.86-4.28	Naturally occurring
Perfluorobutanesulfonic Acid [PFBS] (ppt)	2023	4.8	ND-4.8	NA
Perfluorohexanoic Acid [PFHxI] (ppt)	2023	5.4	ND-5.4	NA
Perfluorooctanesulfonic Acid [PFOS] (ppt)	2023	7.2	ND-7.2	NA
Perfluorooctanoic Acid [PFOA] (ppt)	2023	9.2	ND-9.2	NA
Perfluoropentanoic Acid [PFPeA] (ppt)	2023	5.5	ND-5.5	NA
Sodium (ppm)	06/13/2023	43.5	16.4-43.5	Naturally occurring; Road salt

Substances That Could Be in Water

To ensure that tap water is safe to drink, the U.S. EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, in some cases radioactive material, and substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, or wildlife;

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and may also come from gas stations, urban stormwater runoff, and septic systems;

Radioactive Contaminants, which can be naturally occurring or may be the result of oil and gas production and mining activities.

For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.



¹ The MCL for beta particles is 4 millirems per year. U.S. EPA considers 50 pCi/L to be the level of concern for beta particles.

² Amount Detected is the highest locational running annual average. Range indicates the lowest and highest samples detected for the year.

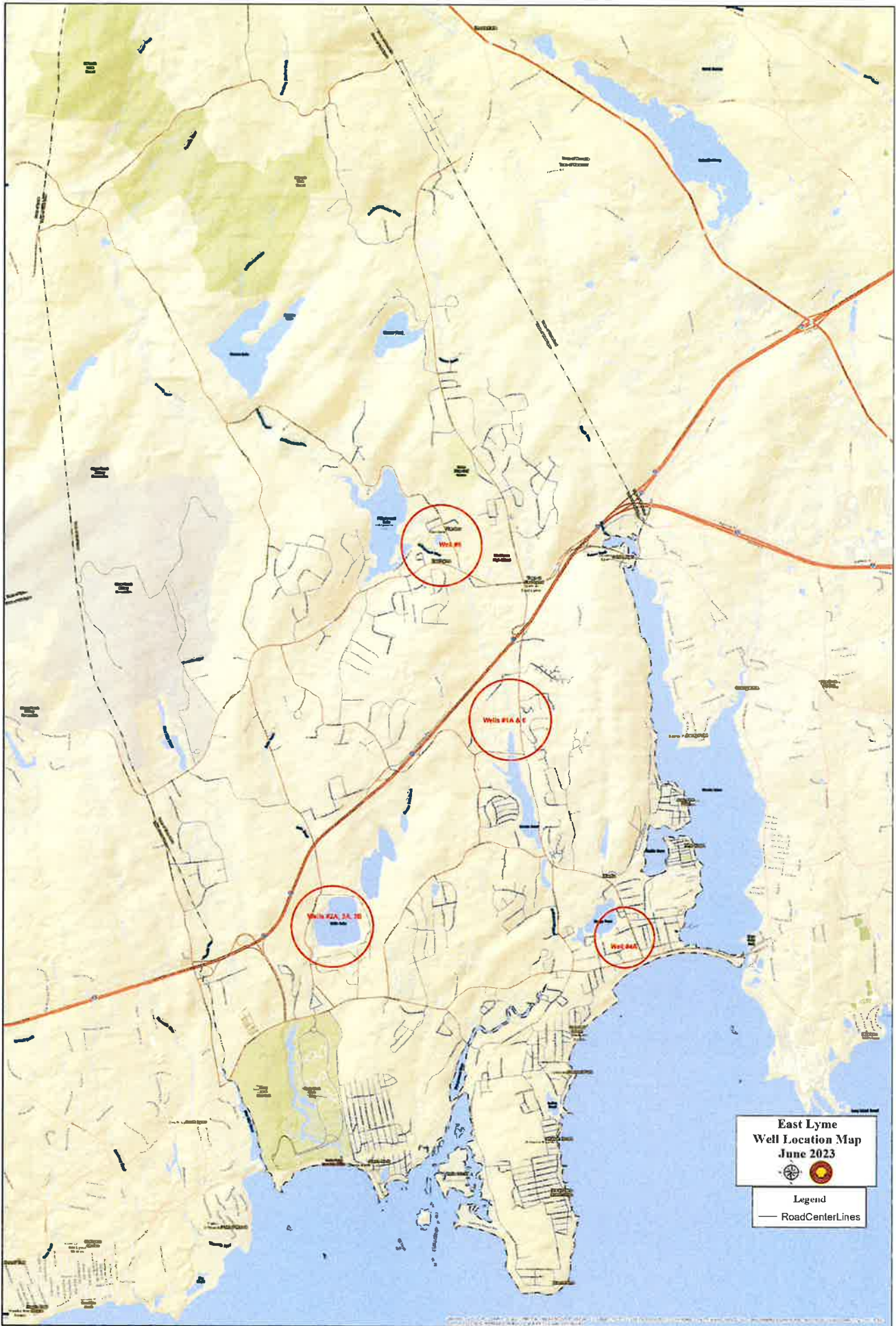
³ Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of water quality and the effectiveness of disinfectants.

East Lyme Water 2023 Water Quality by Well Site



The below data is meant to supplement the 2024 Consumer Confidence Report and provide location specific water quality data to East Lyme Water customers. Although the water is blended in the distribution system, it may be helpful to see the water quality data by source. Water Treatment Plant and well locations can be seen on the attached map titled: "Well Location Map June 2023".

ID#	Name	MCL (MRDL)	MCLG (MRDLG)	Well 1A & 6 WTP			Well 2A			Bride Brook WTP (Well 3A & 3B)			Well 4 WTP			Well 5 WTP		
				Average Amount	Highest Amount	Range	Average Amount	Highest Amount	Range	Average Amount	Highest Amount	Range	Average Amount	Highest Amount	Range	Average Amount	Highest Amount	Range
Chlorine Residual (ppm)		4	4	0.73	1.52	0.31-1.52	0.63	1.28	0.23-1.28	0.76	1.42	0.30-1.42	0.61	1.45	0.21-1.45	0.78	1.56	0.27-1.56
Chloride (ppm)		250	NA	59.21	64.90	46.4-64.9	24.49	32.90	21.6-32.9	44.79	46.60	42.5-46.6	71.16	80.00	64.1-80	30.48	32.6	29.4-32.6
Iron (ppm)		300	NA	0.01	0.07	0-0.072	0.01	0.029	0-0.029	0.02	0.05	0-0.05	0.01	0.045	0-0.045	0.01	0.04	0-0.044
Manganese (ppm)		50	NA	0.01	0.01	0-0.01	0.40	0.53	0.14-0.527	0.01	0.01	0-0.01	0.01	0.047	0-0.047	0.01	0.01	0-0.01
Hardness (ppm as CaCO3)		NA	NA	44.53	48.10	39.3-48.1	27.45	31.10	24.3-31.1	25.97	22.70	21.1-22.7	46.73	50.30	40.8-50.3	26.93	28.60	24-28.6
Turbidity (NTU)		NA	NA	0.18	0.20	0.05-0.2	0.25	0.80	0.1-0.8	0.16	0.20	0.05-0.2	0.24	0.85	0.1-0.85	0.17	0.20	0.1-0.2
pH		NA	6.5-8.5	7.26	7.87	7.00-7.87	7.36	7.86	7.00-7.86	7.23	8.20	7.00-8.20	7.32	7.85	7.00-7.85	7.32	7.78	7.00-7.78
Sodium (ppm)		NA	NA	31.77	35.20	29.2-35.2	18.38	22.70	16.5-22.7	27.76	32.60	24.5-32.6	38.41	43.50	31.6-43.5	21.00	23.50	18-23.2
Sulfate (ppm)		250	NA	11.17	15.20	9.2-15.2	7.54	8.00	7.3-8	7.72	8.20	7.02-8.2	10.67	11.30	10-11.3	9.55	9.90	9.07-9.9



East Lyme
Well Location Map
June 2023



Legend
— RoadCenterLines

Scale
0 600 1,200 2,400 4,800 9,600 Feet

Request for Water & Sewer Commission

TO: Water & Sewer Commission
FROM: Ben North, Chief Operating Officer
DATE: August 19, 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 12,000 gallons per day of sewer capacity.

Potential Motion:

Motion to approve the allocation of 12,000 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 July 2024 analysis of available sewer capacity, revised from February 2023.

Prepared By: Ben North, Chief Operating Officer

<p>W&S Agenda Item No. <u>10</u> Date: 8/19/24</p>

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 sewered and unsewered 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.



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.

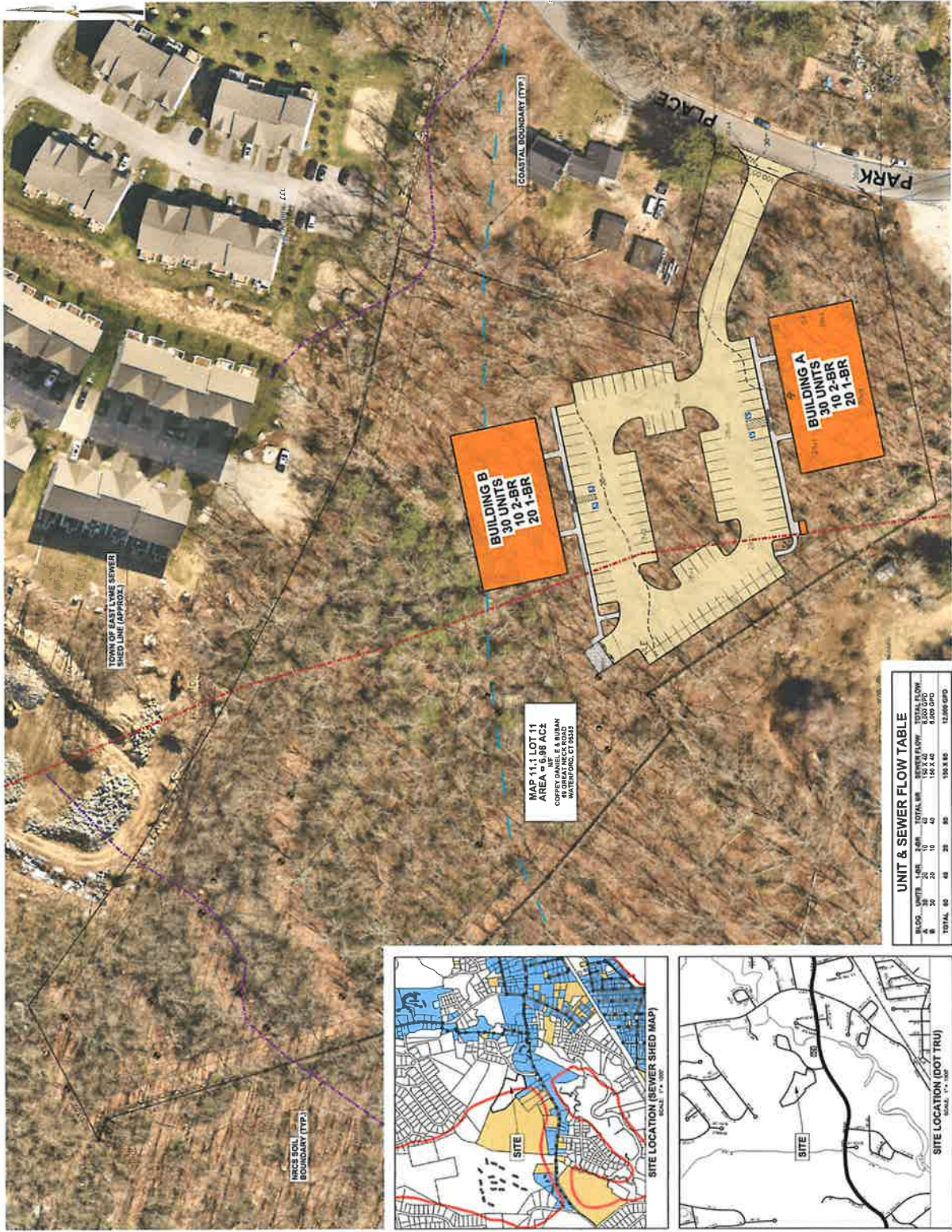
Sincerely,

A handwritten signature in blue ink that reads 'BRANDON' in all caps.

Brandon Handfield, PE
Civil Engineer

Enc.

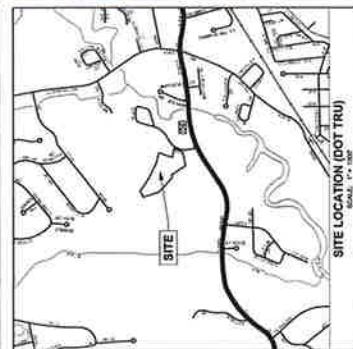
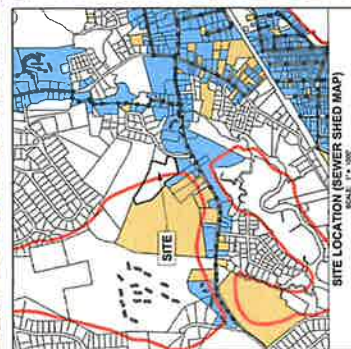
Cc: Parkers Place, LLC (1 copy)



MAP 11.1 LOT 11
 AREA OF 98 AC±
 COVERING DANIEL & SUDAN
 WATERBOD, CT 06332

UNIT & SEWER FLOW TABLE

BUILDING	UNITS	LAIR	TOTAL AIR	SEWER FLOW	TOTAL FLOW
A	30	10	40	192.2 GPD	6,960 GPD
B	30	10	40	192.2 GPD	6,960 GPD
TOTAL	60	40	80	384.4 GPD	13,920 GPD



SOIL TESTING SUMMARY

TEST #	TEST NAME	TEST DATE	TEST RESULT	TEST METHOD
1	TEST 1	1/1/2024	100	TEST 1
2	TEST 2	1/1/2024	100	TEST 2
3	TEST 3	1/1/2024	100	TEST 3
4	TEST 4	1/1/2024	100	TEST 4
5	TEST 5	1/1/2024	100	TEST 5
6	TEST 6	1/1/2024	100	TEST 6
7	TEST 7	1/1/2024	100	TEST 7
8	TEST 8	1/1/2024	100	TEST 8
9	TEST 9	1/1/2024	100	TEST 9
10	TEST 10	1/1/2024	100	TEST 10
11	TEST 11	1/1/2024	100	TEST 11
12	TEST 12	1/1/2024	100	TEST 12
13	TEST 13	1/1/2024	100	TEST 13
14	TEST 14	1/1/2024	100	TEST 14
15	TEST 15	1/1/2024	100	TEST 15
16	TEST 16	1/1/2024	100	TEST 16
17	TEST 17	1/1/2024	100	TEST 17
18	TEST 18	1/1/2024	100	TEST 18
19	TEST 19	1/1/2024	100	TEST 19
20	TEST 20	1/1/2024	100	TEST 20
21	TEST 21	1/1/2024	100	TEST 21
22	TEST 22	1/1/2024	100	TEST 22
23	TEST 23	1/1/2024	100	TEST 23
24	TEST 24	1/1/2024	100	TEST 24
25	TEST 25	1/1/2024	100	TEST 25
26	TEST 26	1/1/2024	100	TEST 26
27	TEST 27	1/1/2024	100	TEST 27
28	TEST 28	1/1/2024	100	TEST 28
29	TEST 29	1/1/2024	100	TEST 29
30	TEST 30	1/1/2024	100	TEST 30
31	TEST 31	1/1/2024	100	TEST 31
32	TEST 32	1/1/2024	100	TEST 32
33	TEST 33	1/1/2024	100	TEST 33
34	TEST 34	1/1/2024	100	TEST 34
35	TEST 35	1/1/2024	100	TEST 35
36	TEST 36	1/1/2024	100	TEST 36
37	TEST 37	1/1/2024	100	TEST 37
38	TEST 38	1/1/2024	100	TEST 38
39	TEST 39	1/1/2024	100	TEST 39
40	TEST 40	1/1/2024	100	TEST 40
41	TEST 41	1/1/2024	100	TEST 41
42	TEST 42	1/1/2024	100	TEST 42
43	TEST 43	1/1/2024	100	TEST 43
44	TEST 44	1/1/2024	100	TEST 44
45	TEST 45	1/1/2024	100	TEST 45
46	TEST 46	1/1/2024	100	TEST 46
47	TEST 47	1/1/2024	100	TEST 47
48	TEST 48	1/1/2024	100	TEST 48
49	TEST 49	1/1/2024	100	TEST 49
50	TEST 50	1/1/2024	100	TEST 50

GENERAL NOTES

- SEE REVISIONS FOR ALL TESTING REQUIREMENTS ON FILE BY REGISTERED ENGINEER.
- THE PLAN HAS BEEN PREPARED BASED ON INFORMATION FROM THE FOLLOWING REFERENCES:
 - ALL UTILITIES SHOWN ARE BASED ON THE MOST RECENT RECORD DRAWINGS AVAILABLE.
 - ALL UTILITIES SHOWN ARE BASED ON THE MOST RECENT RECORD DRAWINGS AVAILABLE.
 - ALL UTILITIES SHOWN ARE BASED ON THE MOST RECENT RECORD DRAWINGS AVAILABLE.
 - ALL UTILITIES SHOWN ARE BASED ON THE MOST RECENT RECORD DRAWINGS AVAILABLE.
- THE DESIGNER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS OBSERVED THE FOLLOWING:
 - THE SITE IS LOCATED WITHIN THE TOWN OF JUSTICE, DANIEL & SUDAN WATERBOD, CT 06332.
 - THE SITE IS LOCATED WITHIN THE TOWN OF JUSTICE, DANIEL & SUDAN WATERBOD, CT 06332.
 - THE SITE IS LOCATED WITHIN THE TOWN OF JUSTICE, DANIEL & SUDAN WATERBOD, CT 06332.
 - THE SITE IS LOCATED WITHIN THE TOWN OF JUSTICE, DANIEL & SUDAN WATERBOD, CT 06332.

CONTACT INFORMATION
 YANTIC RIVER CONSULTANTS, LLC
 100 MAIN STREET
 LEBANON, CT 06240
 Phone: 860.247.8244
 Email: info@yrc.com

PROJECT NUMBER:
 00148-001

SCALE: 1" = 40'
 1" = 100'

REVISION SUMMARY

NO.	DATE	BY	REVISION
1	1/1/2024	JL	ISSUED FOR PERMIT

REVISION SUMMARY

NO.	DATE	BY	REVISION
1	1/1/2024	JL	ISSUED FOR PERMIT

PROJECT INFORMATION
 PARK PLACE
 MULTI-FAMILY DEVELOPMENT
 PREPARED FOR:
 PARKER PLACE, LLC OWNER/APPLICANT
 CONCEPT LAYOUT - SEWER ALLOCATION

PROJECT NUMBER:
 00148-001

SCALE: 1" = 100'



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: pazzoffice@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.

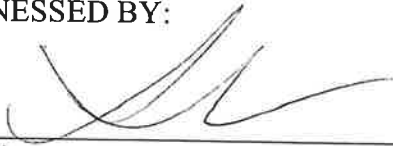
Said premises are conveyed subject to municipal and utility easements as of record may appear.

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



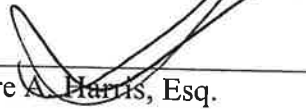
Stacy E. Mayo



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 288° 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 Rose E. Kuntley and along a line forming an interior angle of 107° 16' 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 Kuntley 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 Kuntley 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 Kuntley land and along a line forming an interior angle of 190° 43' with the last line to an angle; and thence continuing

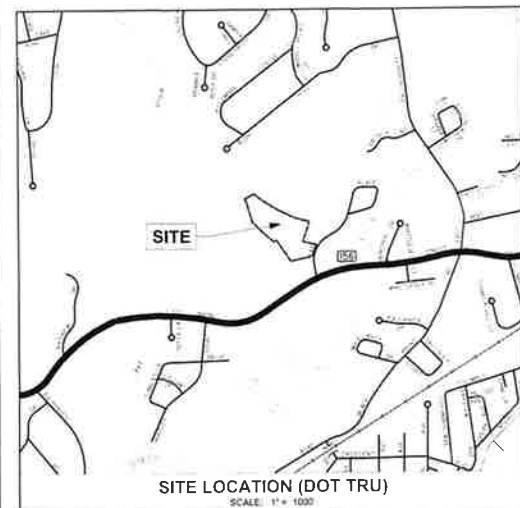
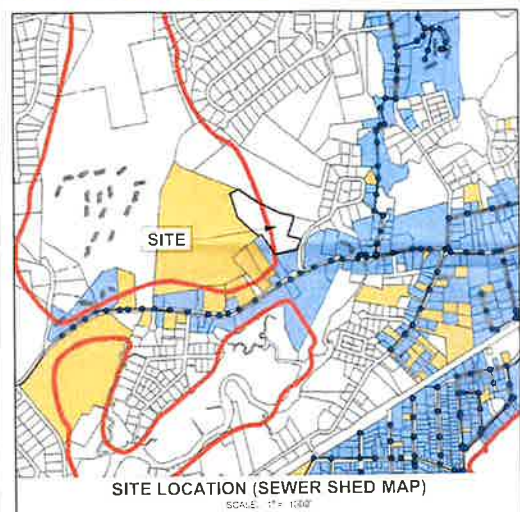
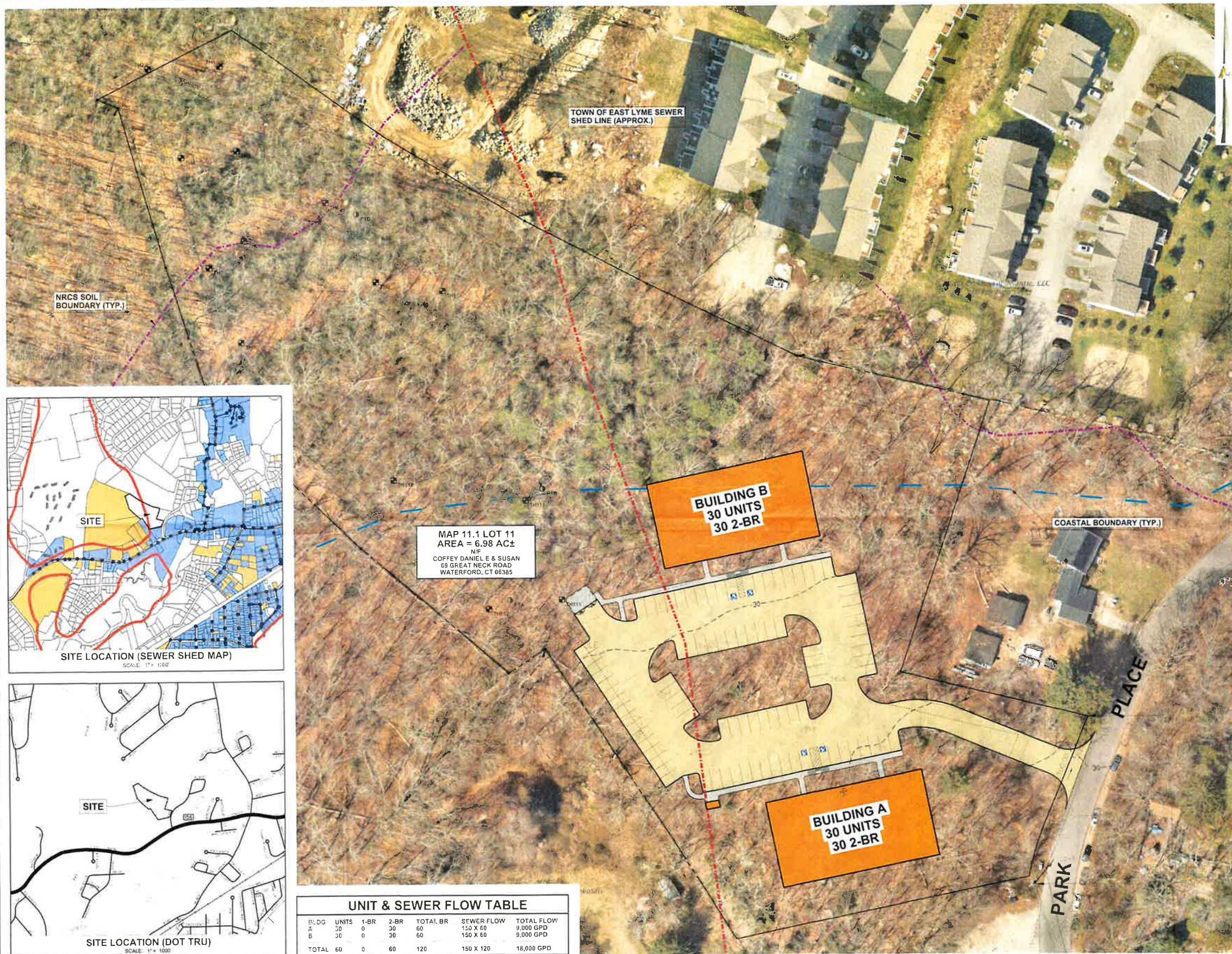
Northwesterly, one hundred forty-six (146) feet along a wall and said Kuntley land and along a line forming an interior angle of 178° 48' with the last line to a drill hole; and thence running easterly, nineteen and seven-tenths (19.7) feet along said Kuntley land and along a line forming an interior angle of 231° 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 134° 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° 28' 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.



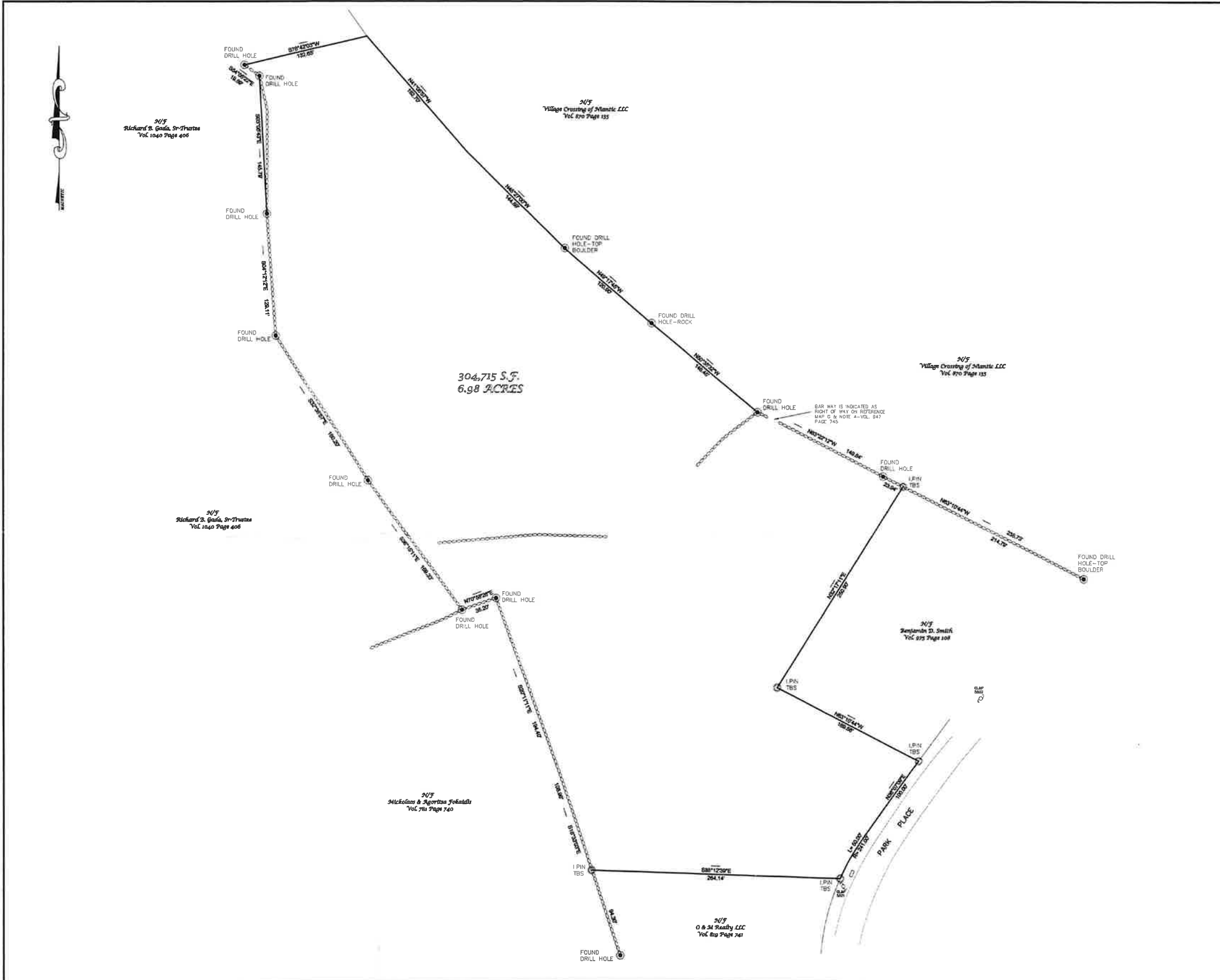
UNIT & SEWER FLOW TABLE						
BLDG	UNITS	1-BR	2-BR	TOTAL BR	SEWER FLOW	TOTAL FLOW
A	30	0	30	60	150 X 60	9,000 GPD
B	30	0	30	60	150 X 60	9,000 GPD
TOTAL	60	0	60	120	150 X 120	18,000 GPD

SOIL TESTING SUMMARY			
TEST #	1	TEST #	2
DATE	4/22	DATE	4/22
PERF BY	Robert Pfanner, Jr.	PERF BY	Robert Pfanner, Jr.
DEPTH	CHALK (TYPICAL)	DEPTH	CHALK (TYPICAL)
0	1' Leaf Litter Topsoil	0	1' Leaf Litter Topsoil
2	2' Orange Yellow Brown S.S.	2	2' Orange Brown S.S.
3	3' Gray Brown Lign. Silty Shales	3	3' Silty Brown Lign. Silty Shales
ROCKS	BT	ROCKS	BT
WATER	ND	WATER	ND
LEAD	ND	LEAD	ND
MUTUAL	ND	MUTUAL	ND
RESTRICTION	ND	RESTRICTION	ND
TEST #	3	TEST #	4
DATE	4/22	DATE	4/22
PERF BY	Robert Pfanner, Jr.	PERF BY	Robert Pfanner, Jr.
DEPTH	CHALK (TYPICAL)	DEPTH	CHALK (TYPICAL)
0	1' Leaf Litter Topsoil	0	1' Leaf Litter Topsoil
2	2' Orange Brown S.S.	2	2' Orange Brown S.S.
3	3' Yellow to Gray Brown Silty Sand & Shale with some gravel	3	3' Gray Brown Silty Sand & Shale
ROCKS	BT	ROCKS	BT
WATER	ND	WATER	ND
LEAD	ND	LEAD	ND
MUTUAL	ND	MUTUAL	ND
RESTRICTION	ND	RESTRICTION	ND
TEST #	5	TEST #	6
DATE	4/22	DATE	4/22
PERF BY	Robert Pfanner, Jr.	PERF BY	Robert Pfanner, Jr.
DEPTH	CHALK (TYPICAL)	DEPTH	CHALK (TYPICAL)
0	1' Leaf Litter Topsoil	0	1' Leaf Litter Topsoil
2	2' Orange Brown S.S.	2	2' Orange Brown S.S.
3	3' Gray Lign. Silty Shales	3	3' Gray Lign. Silty Shales
ROCKS	BT	ROCKS	BT
WATER	ND	WATER	ND
LEAD	ND	LEAD	ND
MUTUAL	ND	MUTUAL	ND
RESTRICTION	ND	RESTRICTION	ND
TEST #	7	TEST #	8
DATE	4/22	DATE	4/22
PERF BY	Robert Pfanner, Jr.	PERF BY	Robert Pfanner, Jr.
DEPTH	CHALK (TYPICAL)	DEPTH	CHALK (TYPICAL)
0	1' Leaf Litter Topsoil	0	1' Leaf Litter Topsoil
2	2' Orange Brown S.S.	2	2' Orange Brown S.S.
3	3' Gray Lign. Silty Shales	3	3' Gray Lign. Silty Shales
ROCKS	BT	ROCKS	BT
WATER	ND	WATER	ND
LEAD	ND	LEAD	ND
MUTUAL	ND	MUTUAL	ND
RESTRICTION	ND	RESTRICTION	ND

SOIL TESTING NOTES:
 1. DEEP OBSERVATION HOLE TESTING PERFORMED ON 4/22 BY ROBERT PFANNER, JR.

GENERAL NOTES

- THIS PLAN HAS BEEN PREPARED BASED ON INFORMATION FROM THE FOLLOWING REFERENCES:
 - MAP ENTITLED "TOPOGRAPHIC SURVEY PREPARED FOR PAZZ CONSTRUCTION, LLC" DATED JANUARY 23, 2023 AS REVISED THROUGH 1/10/23. PREPARED BY ROBERT C. SIMON, LICENSED LAND SURVEYOR.
 - USGS CONNECTICUT ORTHOMOGRAPHY 2019 AERIAL, OBTAINED FROM CT ECD DATABASE & 2019 AERIAL OBTAINED FROM NEARMAP.
 - ELEVATION/LIDAR DATA OBTAINED FROM MAP REFERENCE A & SUPPLEMENTED BY NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) OF US DEPARTMENT OF COMMERCE DATABASE.
 - SOIL MAP DATA OBTAINED FROM NATURAL RESOURCES CONSERVATION SERVICE (NRCS) OF THE US DEPARTMENT OF AGRICULTURE DATABASE.
 - PARCEL MAP OBTAINED FROM CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION (DEEP) GIS DATABASE.
 - TOWN ROAD MAP OBTAINED FROM CONNECTICUT DEPARTMENT OF TRANSPORTATION DATABASE.
- THE LOT IS LOCATED WITHIN THE TOWN OF EAST LYME RURAL DISTRICT. THIS CONCEPT PLAN WAS PREPARED UNDER SECTION 8-15C AND DOES NOT MEET 1) COMPLY WITH CURRENT ZONING OR OTHER LOCAL REGULATIONS.



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 FORMRLY 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. NEILAN, 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. WILBERT, P.E. & L.S.
- D. PROPERTY LINE SURVEY-OWEN COFFEY-PARK PLACE-NIANTIC, CONN-SCALE: 1"=40'-DATED: SEPT. 14, 1964 BY MCKAY 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 TWO BUILDING LOTS ON LAND OF JOSEPH ROMAGNA-EAST LYME, CONN" AND IS ALSO SHOWN AS ASSESSOR'S MAP 11.1 LOT 19 & ASSESSOR'S MAP 16.3 LOT 1-BUSH HILL DRIVE & PARK PLACE-EAST LYME, CONNECTICUT-SCALE: 1"=100'-DATED: DECEMBER 21, 2007-REV. 5/8/08 BY FINN SURVEY.
- F. IMPROVEMENT LOCATION MAP-PREPARED FOR THE BOOK 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. 1956 BY C. BANNING.

LEGEND

- 1" IP IRON PIPE RECOVERED
- 1" IF IRON PIN RECOVERED
- 1" M MERESTONE RECOVERED
- 1" H CONNECTICUT HIGHWAY MONUMENT RECOVERED
- 1" DRILL HOLE RECOVERED
- 1" IRON PIN TO BE SET
- 1" DRILL HOLE TO BE SET
- 1" 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).

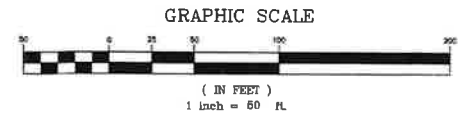
Robert C. Simoni
 ROBERT C. SIMONI, L.S. LS No. 17254

THESE PLANS ARE THE SOLE PROPERTY OF ROBERT C. SIMONI, L.S. AND HAVE BEEN PREPARED SOLELY FOR THIS 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@jrplvl.com



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

SHEET NUMBER
1
 OF
1
 BS-PAZZ-PARKPLACE.dwg

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

1. General Statistics

TASKS PERFORMED BY WATER DEPT	July 2024	TOTAL THIS YEAR	TOTAL LAST YEAR (Jan 1 to Dec 30)
Meters Installed (New Accounts)	17	22	22
New Meters In System	42	424	New / Total
			6763 / 6848 or 98.8%
New Service Connections Installed	0	2	18
Services and Mains Repaired⁽¹⁾	1 Mainbreak / 9 Service Leaks	36	33
Total Gallons Pumped <i>Millions of Gallons</i>	65.571	384.975	676.364

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

2. Monthly Average Day Demand (MADD)

	July 2024	July 2023	% Difference LY
Water Produced <i>Million Gallons Daily</i>	2.115	2.075	1.95%

MADD as a % of 3.16 MGD available water (24-hour pumping) = 66.94%

MADD as a % of 2.37 MGD available water (18-hour pumping) = 89.25%

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 6.75 inches for the month.
- 2.) Staff has painted 36 hydrants, and flushed 23 hydrants for the month
- 3.) The field crew has repaired many leaks this month, with 9 leaks and one main break reported and repaired by the utility.
- 4.) The field crew repaired a hydrant that was struck by a hit-and-run driver on Mayfield Terrace. The police are still investigating the incident.
- 5.) On Tuesday, August 13, the DOT contractor working on drainage accidentally struck the 10" water main that feeds King Aurther Dr. Crews responded immediately, and worked with the contractor to replace the broken section of main at 3:30AM Tuesday morning. The break caused a drop in tank levels and a sudden increase in velocity in the 16" main that feeds Flanders Road, causing discolored water in the flanders area of town from sediments of iron and manganese. The distribution crew worked diligently to flush the mains in this area and respond to customer complaints to clear mineral sediments from the water, which was largely accomplished by Friday, 8/16. Over 200,000 gallons of water was lost during the break, not including the flushing activities that followed.

EAST LYME
WATER & SEWER COMMISSION

AUG 27 2024

AGENDA# 12a

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			
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	54.996		43.45

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

0.24% -11.80% -5.76% 6.37% -3.61% 2.63% 17.81% -11.72%

**% +/-
Running
Annual
Average**

-7.44%

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			
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	384,975		43.45

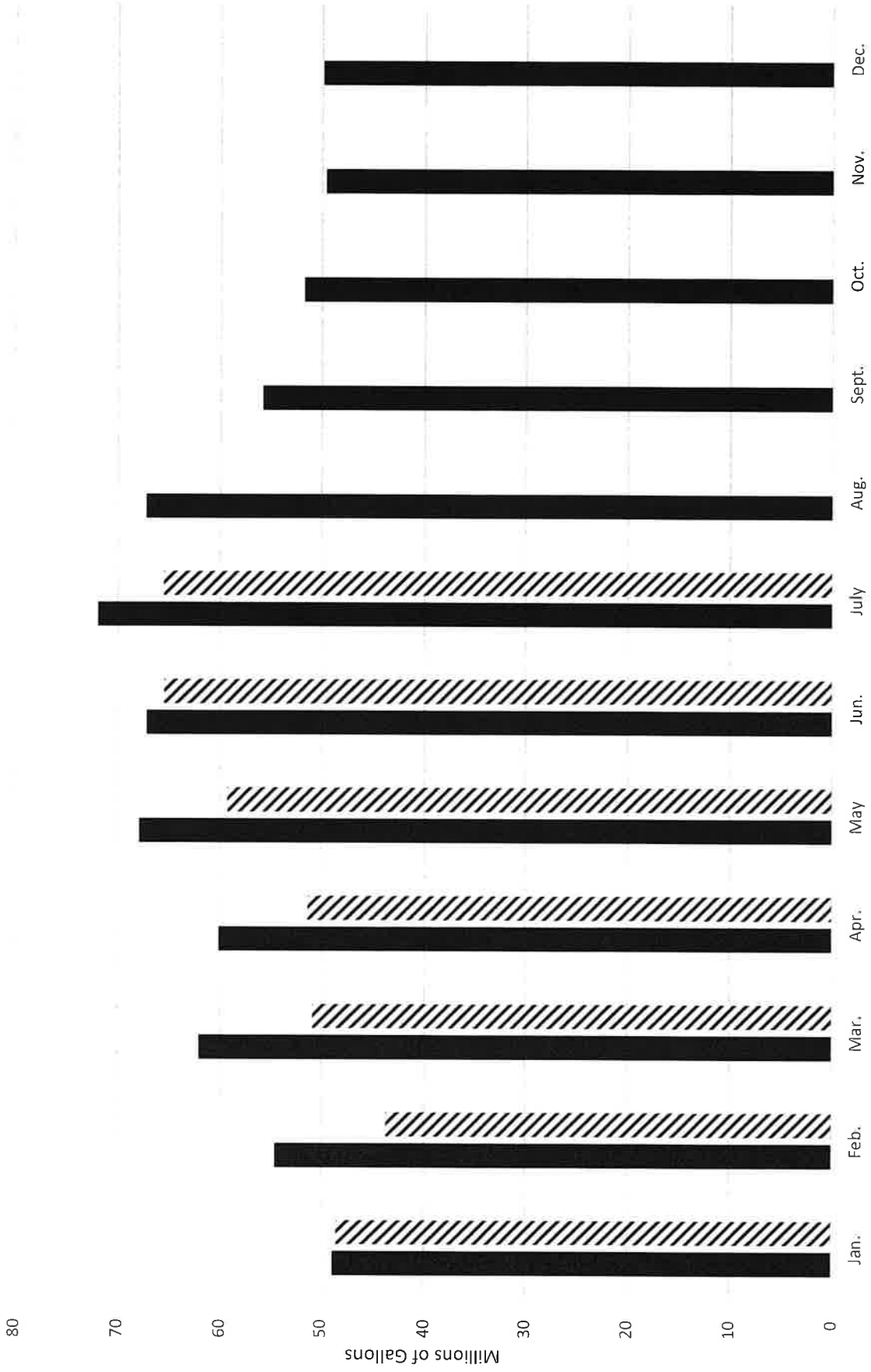
% +/- (Previous Year)

0.24% -11.80% -5.76% 6.37% -3.61% 2.63% 17.81% -11.72%

% +/- Running Annual Average

-5.07%

East Lyme Water - Production by Month



■ 2022 and 2023 Monthly Flow Total ▨ 2024 Monthly Flow Total

**EAST LYME WATER DEPARTMENT
Well Production Report - July 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)	Precip inches
	(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	0.492		0.290		0.217		0.350		0.198		0.255		0.310		0.567	0.856	2.112	0.003	0.000	2.115	
Date	*Alert* Trigger	12.0		4.0		15.0		20.0		6.0		18.0		22.0							
7/1/2024	0.434	18.0	0.148	34.0	0.191	14.7	0.507	23.1	0.174	6.20	0.235	11.7	0.266	40.4	0.698	0.846	1.955	0.000	0.000	1.955	1.55
7/2/2024	0.543	18.1	0.274	20.0	0.213	14.7	0.438	23.3	0.189	6.20	0.268	12.0	0.333	33.0	0.651	0.924	2.258	0.000	0.000	2.258	0.00
7/3/2024	0.472	13.2	0.325	12.0	0.249	42.7	0.500	36.2	0.230	14.10	0.252	10.5	0.290	33.4	0.749	1.074	2.317	0.000	0.000	2.317	0.00
7/4/2024	0.539	13.2	0.247	11.0	0.211	11.4	0.416	25.5	0.159	14.00	0.273	32.8	0.331	32.9	0.627	0.874	2.176	0.000	0.000	2.176	0.00
7/5/2024	0.492	13.0	0.294	11.0	0.225	11.7	0.446	25.8	0.200	6.10	0.255	12.0	0.302	32.9	0.671	0.965	2.213	0.000	0.000	2.213	0.15
7/6/2024	0.422	12.9	0.231	10.0	0.172	11.6	0.329	25.8	0.195	14.00	0.220	12.6	0.259	33.5	0.501	0.732	1.828	0.000	0.000	1.828	1.03
7/7/2024	0.385	13.4	0.294	35.0	0.213	9.8	0.431	26.1	0.160	6.10	0.214	33.6	0.236	33.1	0.644	0.938	1.932	0.000	0.000	1.932	0.09
7/8/2024	0.491	18.1	0.330	35.0	0.211	43.0	0.406	26.0	0.215	6.20	0.244	33.3	0.301	40.3	0.617	0.948	2.199	0.000	0.000	2.199	0.00
7/9/2024	0.638	18.1	0.003	34.0	0.180	41.8	0.369	36.5	0.281	6.10	0.326	12.0	0.392	40.3	0.549	0.552	2.189	0.000	0.000	2.189	0.00
7/10/2024	0.497	12.9	0.300	12.0	0.216	11.5	0.428	25.4	0.181	6.00	0.284	32.5	0.309	32.7	0.644	0.943	2.214	0.000	0.000	2.214	0.00
7/11/2024	0.509	17.6	0.339	10.0	0.211	11.5	0.076	35.8	0.208	13.80	0.253	11.5	0.312	40.3	0.287	0.625	1.907	0.000	0.000	1.907	0.12
7/12/2024	0.394	12.9	0.272	7.0	0.224	10.8	0.361	30.3	0.132	6.20	0.223	32.8	0.242	32.8	0.585	0.857	1.847	0.000	0.000	1.847	0.00
7/13/2024	0.437	13.3	0.262	10.0	0.177	11.5	0.298	27.8	0.174	6.10	0.233	12.3	0.268	33.1	0.475	0.737	1.849	0.000	0.000	1.849	0.69
7/14/2024	0.496	18.3	0.275	10.0	0.227	11.8	0.360	28.0	0.245	6.00	0.220	11.5	0.305	40.5	0.587	0.862	2.128	0.047	0.000	2.175	0.78
7/15/2024	0.501	18.0	0.329	11.0	0.200	42.9	0.339	36.4	0.159	6.00	0.287	11.5	0.308	40.0	0.539	0.868	2.123	0.000	0.000	2.123	0.00
7/16/2024	0.542	13.4	0.292	9.0	0.241	11.5	0.429	27.7	0.253	6.00	0.263	11.7	0.335	33.3	0.670	0.961	2.354	0.026	0.000	2.380	0.00
7/17/2024	0.461	13.3	0.308	10.0	0.191	11.6	0.317	27.5	0.171	13.80	0.272	11.3	0.308	32.8	0.508	0.816	2.028	0.024	0.000	2.052	0.00
7/18/2024	0.460	17.9	0.349	9.0	0.203	43.0	0.338	38.1	0.163	13.90	0.215	33.3	0.282	38.9	0.541	0.890	2.009	0.000	0.000	2.009	1.09
7/19/2024	0.492	13.6	0.233	9.0	0.249	43.0	0.418	36.6	0.207	6.10	0.238	12.0	0.302	33.9	0.667	0.900	2.138	0.000	0.000	2.138	0.00
7/20/2024	0.518	13.4	0.291	9.0	0.200	11.6	0.339	27.4	0.204	13.90	0.279	12.1	0.318	32.9	0.539	0.830	2.149	0.000	0.000	2.149	0.00
7/21/2024	0.572	13.2	0.401	9.0	0.265	12.0	0.443	27.9	0.230	6.00	0.279	11.2	0.351	32.9	0.708	1.109	2.540	0.000	0.000	2.540	0.05
7/22/2024	0.512	13.3	0.300	9.0	0.228	11.6	0.381	27.4	0.208	6.00	0.264	11.7	0.314	32.9	0.609	0.909	2.206	0.000	0.000	2.206	0.00
7/23/2024	0.432	13.1	0.310	34.0	0.238	12.0	0.404	27.6	0.147	13.90	0.213	33.1	0.265	32.7	0.642	0.952	2.009	0.000	0.000	2.009	0.02
7/24/2024	0.509	13.1	0.294	34.0	0.210	42.4	0.351	25.9	0.192	13.80	0.255	11.4	0.350	32.8	0.561	0.854	2.160	0.000	0.000	2.160	0.02
7/25/2024	0.446	13.1	0.403	34.0	0.293	42.8	0.358	36.5	0.190	13.90	0.230	32.8	0.274	32.8	0.651	1.054	2.195	0.000	0.000	2.195	0.00
7/26/2024	0.641	13.0	0.319	8.0	0.215	10.8	0.220	30.7	0.259	5.90	0.301	11.6	0.394	32.8	0.435	0.753	2.348	0.000	0.000	2.348	0.00
7/27/2024	0.561	13.1	0.370	34.0	0.257	11.3	0.279	31.1	0.224	5.80	0.292	10.9	0.384	32.8	0.536	0.906	2.367	0.000	0.000	2.367	0.00
7/28/2024	0.496	13.0	0.350	8.0	0.209	11.1	0.220	30.9	0.216	5.80	0.257	9.6	0.343	32.6	0.429	0.779	2.091	0.000	0.000	2.091	0.00
7/29/2024	0.429	12.9	0.282	7.0	0.224	11.7	0.243	31.4	0.161	5.90	0.257	32.4	0.296	31.7	0.467	0.749	1.892	0.000	0.000	1.892	0.80
7/30/2024	0.477	12.9	0.271	8.0	0.191	11.4	0.194	28.7	0.169	6.00	0.231	11.3	0.329	31.9	0.385	0.656	1.861	0.000	0.000	1.861	0.30
7/31/2024	0.468	17.6	0.291	8.0	0.189	11.6	0.202	31.4	0.240	6.00	0.277	11.3	0.324	39.7	0.391	0.682	1.991	0.000	0.000	1.991	0.06
Average	0.492	14.5	0.290	16.2	0.217	19.7	0.350	29.6	0.198	8.57	0.255	17.8	0.310	34.7	0.567	0.856	2.112	0.003	0.000	2.115	0.20
Minimum	0.385	12.9	0.003	7.0	0.172	9.8	0.076	23.1	0.132	5.80	0.213	9.6	0.236	31.7	0.287	0.552	1.828	0.000	0.000	1.828	0.00
Maximum	0.641	18.3	0.403	35.0	0.293	43.0	0.507	38.1	0.281	14.10	0.326	33.6	0.394	40.5	0.749	1.109	2.540	0.047	0.000	2.540	1.55
Total	15.266		8.981		6.723		10.839		6.131		7.910		9.623		17.562	26.543	65.474	0.097	0.000	65.571	6.75

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	0.15	Total Monthly Demand	
% of Total Sent to NL (Wells)		0.00	65.571
Running Total (water received 2023)	0.376		
Goal	14.850		
% of Goal	2.53		
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

AUG 27 2024

AGENDA# 12b

Sewer Department Monthly Report

August 27 2024

Data For the Month of: July 2024

Monthly Running Avg: 1,021,993 GPD
 Daily Avg: 991,582 GPD
 Daily Max: 1,247,184 GPD
 Daily Min: 725,440 GPD

Daily Average as a Percent of Monthly Running Average: 97.02%

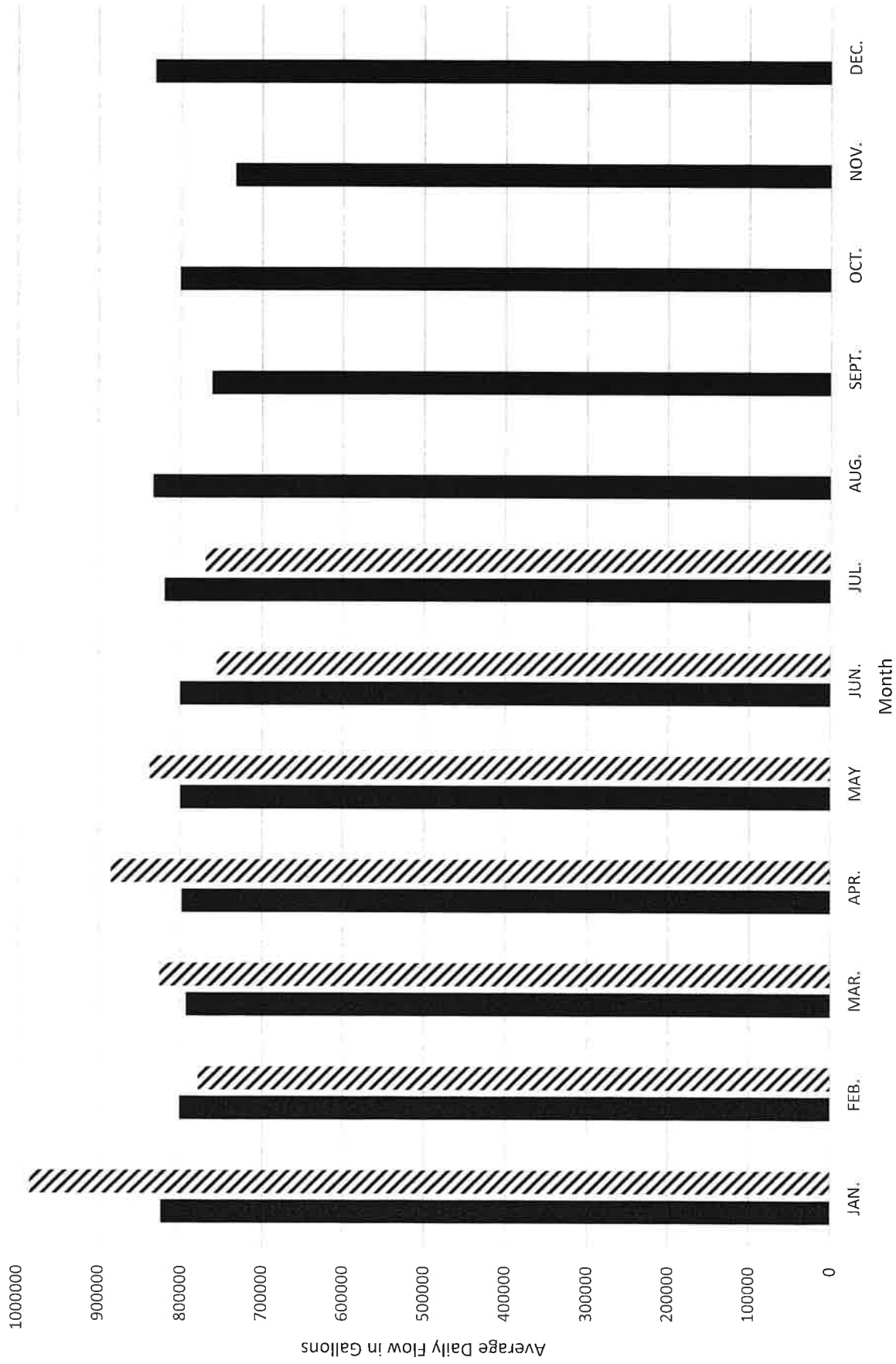
State CT Flows:

	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	14.20%	1.89%	0.00%	2.25%	4.03%	22.38%
% 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			
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		0.04%	6.21
											Precip. Total	43.45

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



Legend: ■ 2022 and 2023 Average Daily Flow, ▨ 2024 Average Daily Flow

East Lyme Sewer Department

Monthly Average Day Wastewater Flows (MGD)

August 27 2024

Sewer Flows for the Month of July

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			
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	Max	1.076	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	Min	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		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		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		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		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																
	September																
	October																
	November																
	December																
	Annual Avg. (Jan - Dec)		1.022	1.354	0.747	0.117	0.012	0.000	0.019	0.040	0.188	0.290	61%	0.834	0.188	18%	
												Rolling 2 Year Average		0.815	0.207	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