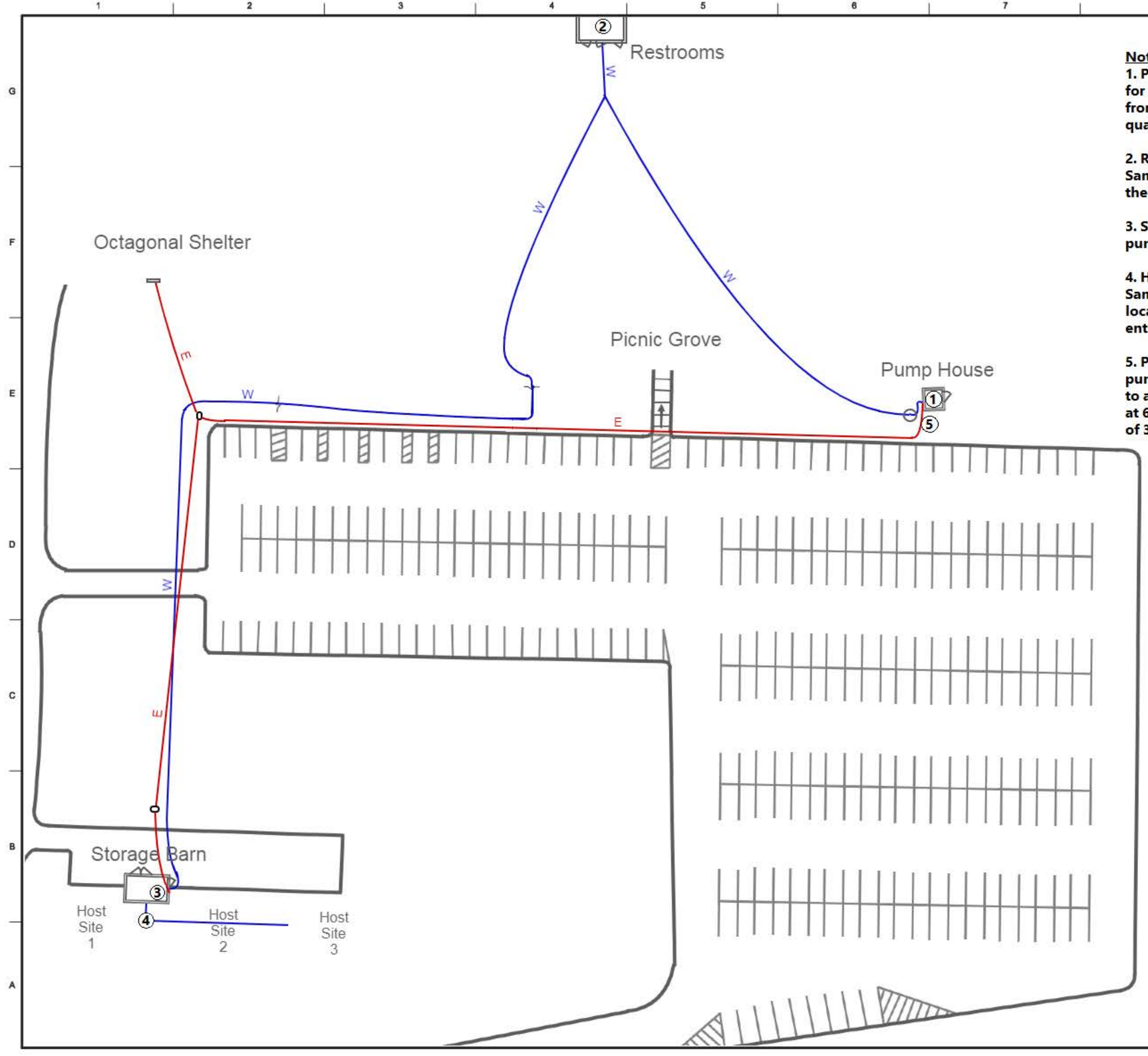

Sample Point 1
Sample Point 2
Sample Point 3
229 Oxford Rd
Oxford Rd
Google Earth
42°07'17.49" N 71°54'38.48" W elev 0 ft eye alt 1193 ft



Notes:

1. Pump house contains a pressure tank, filter housing for treatment, and water consumption meter. Piping from pressure tank features a hose bib used as a water quality sampling site.

2. Restrooms are used as a water quality sampling site. Samples are taken from the water fountains located at the front of the building, closest to the beach.

3. Storage barn contains a 300-gallon storage tank, pump, and pressure tank.

4. Host site 1 is used as a water quality sampling site. Samples are taken from the frost-proof yard hydrant located behind the storage barn, closest to the park entrance.

5. Public water source well 2054052 which feeds into the pump house (1). The well is a 6-inch bedrock well, drilled to a depth of 675 feet with a 2-HP submersible pump set at 600 feet. Approved by MassDEP for a withdrawal rate of 3,000 gallons per day.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:
DRAWN BY:
CHECKED BY:
SUBMITTED BY:
SIZE: ANSI D
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
DRAWING CODE: THA-BV-128
SHEET OF
SCALE:

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD, MA 01742-2751

PWS ID#: 2054052

ELECTRICAL IMPROVEMENTS
BUFFUM/LILLE LAKE DAM
CHARLTON, MASSACHUSETTS

WATER

SHEET ID

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER PROGRAM
100 CAMBRIDGE STREET, SUITE 900, BOSTON, MA 02114 ● (617) 292-5770

2024
Certificate of Registration

The Department of Environmental Protection
Drinking Water Program
Hereby Recognizes the

BUFFUMVILLE PARK
PWS ID # 2054052

as a Registered Public Water System in Massachusetts.
Public Water Systems must comply with
the Massachusetts Drinking Water Regulations,
310 CMR 22.00.

Yvette dePeiza, Program Director
Drinking Water Program

Certificate expires December 31, 2024

Please contact the Drinking Water Program if there are any changes in this system.

MassDEP: https:/www.mass.gov/orgs/massachusetts-department-of-environmental-protection

PWS ID#: **2054052** PWS Name: **BUFFUMVILLE PARK** Town: **CHARLTON** Class: **NC**

BACTERIA SAMPLING

Apr - Sep: 3 per MONTH
Oct - Mar per

Season Start Date: 05/01
Season End Date: 09/30

Refer to your MassDEP Coliform Sampling Plan for approved coliform sample locations. Systems open before or beyond the start/end dates must collect samples during these extra months.

Loc ID #	SAMPLE LOCATION NAME	M/S	R/F	D/S	WAIVER Y / N	2023 QTR1	2023 QTR2	2023 QTR3	2023 QTR4	2024 QTR1	2024 QTR2	2024 QTR3	2024 QTR4	2025 QTR1	2025 QTR2	2025 QTR3	2025 QTR4
IRON																	
01G	FINISHED: WELL #1	S	F	S												X	
2054052-01G	ROCK WELL																
MANGANESE																	
01G	FINISHED: WELL #1	S	F	S												X	
2054052-01G	ROCK WELL																
NITRATE																	
01G	FINISHED: WELL #1	S	F	S	N			X				X				X	
2054052-01G	ROCK WELL																
NITRITE																	
01G	FINISHED: WELL #1	S	F	S	N							X					
2054052-01G	ROCK WELL																
SECONDARY CONTAMINANTS																	
01G	FINISHED: WELL #1	S	F	S	N	[DEP recommends annual testing]											
2054052-01G	ROCK WELL																
SODIUM																	
01G	FINISHED: WELL #1	S	F	S	N							X					
2054052-01G	ROCK WELL																
VOLATILE ORGANIC COMPOUNDS																	
01G	FINISHED: WELL #1	S	F	S	N			X									
2054052-01G	ROCK WELL																

M/S= (M)ultiple/Manifold sources or a (S)ingle source **R/F = (R)aw or (F)inished water** **D/S = (D)istribution or (S)ource sample** **Waiver = (Y)es or (N)o** M = Monthly

Important Notes: This monitoring schedule is based on the system's current inventory and is subject to change. The system is responsible for promptly reporting errors or omissions. Errors or omissions on the schedule do not prohibit MassDEP from enforcing monitoring requirements set forth by the Regulations.

POSTED FOR CUSTOMER REVIEW AS REQUIRED BY THE MASSACHUSETTS DEP/DWP

Massachusetts Drinking Water Regulations 310 CMR 22.16A (23)

2023 DRINKING WATER QUALITY REPORT

For the period January 1, 2022 to December 31, 2022

BUFFUMVILLE PARK
PWS ID: 2054052
229 OXFORD RD
CHARLTON MA 01507

The drinking water system at the facility noted above is registered in the Commonwealth as a transient non-community (TNC) public water system because it owns and/or controls its source of water and supplies potable water to 25 or more persons at least 60 days of the year. Examples of TNCs include restaurants, motels, campgrounds, parks, golf courses, ski areas and community centers.

All drinking water, including bottled water, may contain small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

The drinking water quality monitoring results on file with the Massachusetts Department of Environmental Protection Drinking Water Program (MassDEP/DWP) for this public water system and period noted above are as follows:

MONITORING RESULTS TABLE

CONTAMINANT	HIGHEST DETECT VALUE[1]	MCL [2]	MCLG [3]	VIOLATION [4] (YES or NO)		POSSIBLE SOURCES OF CONTAMINATION
				MCL	FAILURE TO MONITOR **	
Total Coliform	NO DATA	0	0	N	N	Naturally present in the environment.
Nitrate (MG/L)	< 0.03	10	10	N	N	Runoff from fertilizer use; leaching from septic tanks, sewage; and erosion of natural deposits.
Nitrite (MG/L)	< 0.007	1	1	N	N	Runoff from fertilizer use; leaching from septic tanks, sewage; and erosion of natural deposits.
Sodium (MG/L)	22	N/A	N/A	N/A	N	Naturally present in the environment; may also be due to salt runoff from deicing practices.
Other Contaminant Violations[5]	N/A	N/A	N/A	N/A	N/A	

[1] **Detect** – any levels found at or above the detection limits in the Massachusetts Drinking Water Regulations, 310 CMR 22.00.
[2] **Maximum Contaminant Level (MCL)** – the highest level of a contaminant that is allowed in drinking water.
[3] **Maximum Contaminant Level Goal (MCLG)** – the level of a contaminant in drinking water below which there is no known or expected risk to health.
[4] **For any violations**, Refer to the following health effects language listed below and contact the system's contact person for information on corrective actions taken by the system to return to compliance and stay in compliance in the future:

Total Coliform – Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria are present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

Nitrate – Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

Nitrite - Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

[5] **Other Contaminant Violations** – If applicable, contact the owner or the MassDEP at the numbers listed below for information on the other contaminants.

** If "Y", one or more times during the reporting period this system did not monitor and/or report to the MassDEP as required.
" We are required to monitor your drinking water for specific contaminants on a regular basis. Results of the regular monitoring are an indicator of whether or not our drinking water meets health standards. During the above noted reporting period we did not monitor or test and/or did not complete all monitoring or testing for contaminant(s) noted above and therefore cannot be sure of the quality of our drinking water during that time. "

The posting of this report meets the public notification Tier 3 requirements of 310 CMR 22.16(4).

For more information, or the complete monitoring results for this system:

Owner/responsible party name	Signature of owner/responsible party	Telephone #
Certified Operator Name	Signature of certified operator	License #

If you have any questions on the Massachusetts Drinking Water Program contact the MassDEP, Drinking Water Program at (617) 292-5770, email program.director-dwp@mass.gov (subject: TNC CCR) or visit the MassDEP web site at www.mass.gov/orgs/massachusetts-department-of-environmental-protection. Contact the EPA Safe Drinking Water Hotline at (800) 426-4791 for more information about contaminants and potential health effects.

Date Drinking Water Quality Report posted_____ Location posted_____

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Massachusetts Drinking Water Regulations 310 CMR 22.16A (23)

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Per- and Polyfluoroalkyl Substances (PFAS)

Per- and polyfluoroalkyl substances (PFAS) are a family of chemicals widely used in common consumer products such as food packaging, outdoor clothing, carpets, leather goods, ski and snowboard waxes, and more. PFAS can leach into groundwater or surface water from surface soils contaminated with PFAS. When ingested, some PFAS can build up in the body, and over time, these PFAS may increase to a level where health effects could occur.

The PFAS Maximum Contaminant Level (MCL) of 0.000020 milligrams per liter (mg/l) or 20 ppt for the sum of six PFAS compounds (PFOS, PFOA, PFHxS, PFNA, PFHpA, and PFDA) known as PFAS6 is not applicable to transient non-community (TNC) systems, but TNCs are required to comply with the special applicability requirements of 310 CMR 22.07G(2): *Every Supplier of Water operating a Transient, Non-Community Water System shall collect, analyze and report the results of one sample from each Sampling Point, or alternate sampling location required by the Department pursuant to 310 CMR 22.07G(4)(a) or (b), no later than September 30, 2022. All such monitoring shall be performed in compliance with the provisions addressing monitoring protocols, invalidation of PFAS samples, PFAS analytical requirements, PFAS reporting requirements, PFAS6 minimum reporting levels and electronic filing requirements set forth in 310 CMR 22.07G(4), (9), (12), (13), (16), (17).*

These results are on file with the Massachusetts Department of Environmental Protection Drinking Water Program (MassDEP/DWP). For more information please contact the persons listed on the first page.

REGULATED PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) RESULTS TABLE

CONTAMINANT	DETECT RANGE [1]	AVERAGE DETECT [2]	POSSIBLE SOURCES OF CONTAMINATION	HEALTH EFFECTS
PFAS6 *	ND	ND	Discharges and emissions from industrial and manufacturing sources associated with the production or use of these PFAS, including production of moisture and oil resistant coatings on fabrics and other materials. Additional sources include the use and disposal of products containing these PFAS, such as fire-fighting foams.	Some people who drink water containing these PFAS at elevated levels may experience certain adverse effects. These could include effects on the liver, blood, immune system, thyroid, and fetal development. These PFAS may also elevate the risk of certain cancers.
Transient Non-Community (TNC) systems are not required to meet the MCL of 20 ppt for PFAS6. MassDEP may perform a site-specific health risk assessment per 310 CMR 22.03(8) for results over 20 ppt.				

* Sum of PERFLUORODECANOIC ACID (**PFDA**), PERFLUOROHEPTANOIC ACID (**PFHpA**), PERFLUOROHEXANESULFONIC ACID (**PFHxS**), PERFLUORONONANOIC ACID (**PFNA**), PERFLUOROOCTANESULFONIC ACID (**PFOS**), PERFLUOROOCTANOIC ACID **(PFOA).** PFAS6 was regulated on October 2, 2020.
[1] The lowest and highest detected values. A single value means only one sample was taken.
[2] The average detected amount of PFAS6. This is calculated by adding all detected amounts and dividing by the number of samples taken.

UNREGULATED PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) RESULTS TABLE

CONTAMINANT (CASRN)	DETECT RANGE [1]	AVERAGE DETECT [2]	ORSG [3]	POSSIBLE SOURCE OF CONTAMINATION	HEALTH EFFECTS
11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID-11CL-PF3OUDS (763051-92-9)	ND	ND	†		
4,8-DIOXA-3H-PERFLUORONONANOIC ACID - ADONA (919005-14-4)	ND	ND	†		
9-CHLOROHEXADECAFLUORO-3-OXANONE-1-SULFONIC ACID-9CL-PF3ONS (756426-58-1)	ND	ND	†		
HEXAFLUOROPROPYLENE OXIDE DIMER ACID - HFPO-DA (13252-13-6)	ND	ND	†		
N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID - NETFOSAA (2991-50-6)	ND	ND	†		

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N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID - NMEFOSAA (2355-31-9)	ND	ND	†		
PERFLUOROBUTANESULFONIC ACID-PFBS (375-73-5)	ND	ND	†		
PERFLUORODODECANOIC ACID - PFDOA (307-55-1)	ND	ND	†		
PERFLUOROHEXANOIC ACID - PFHXA (307-24-4)	ND	ND	†		
PERFLUOROTETRADECANOIC ACID - PFTA (376-06-7)	ND	ND	†		
PERFLUOROTRIDECANOIC ACID - PFTRDA (72629-94-8)	ND	ND	†		
PERFLUOROUNDECANOIC ACID - PFUNA (2058-94-8)	ND	ND	†		

* PFDA, PFHpA, PFHxS, PFNA, PFOS, PFNA were unregulated chemicals from January 1 – October 1, 2020 and had an ORSG of 20 ppt. On October 2, 2020 these chemicals became regulated with an MCL of 20 ppt. Any detects found after that time are reported in the regulated table above as PFAS6.

‡ Sum of PERFLUORODECANOIC ACID (**PFDA**), PERFLUOROHEPTANOIC ACID (**PFHpA**), PERFLUOROHEXANESULFONIC ACID (**PFHxS**), PERFLUORONONANOIC ACID (**PFNA**), PERFLUOROOCTANESULFONIC ACID (**PFOS**), PERFLUOROOCTANOIC ACID **(PFOA).** PFAS6 was regulated on October 2, 2020.

† There is no ORS Guideline for this compound.

[1] The lowest and highest detected values. A single value means only one sample was taken.

[2] The average of all sample results between January 1 to December 31, 2021. This is calculated by adding all detected amounts and dividing by the number of samples taken.

[3] Office of Research and Standards Guideline (ORSG) - MassDEP health-based guideline.

Appendix M - *Guidelines and Policies for Public Water Systems*
https://www.mass.gov/doc/consumer-confidence-reporting-requirements (1.91 MB)