2024 MS4 ANNUAL REPORT

Town of Burlington, Connecticut

MS4 General Permit
Town of Burlignton 2024 Annual Report
Permit Number GSM 000049
January 1, 2024 – December 31, 2024
Primary MS4 Contact: Scott Tharau, Director of Public Works and Jerry Burns, Zoning Enforcement Officer

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This report documents Town of Burlington's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2024 to December 31, 2024.

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach (Section 6 (a)(1) / page 19)

1.1 BMP Summary

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-1 Implement public education and outreach	The Town has continually updates its Public Works webpage to provide educational materials about the sources and impacts of stormwater discharges on water bodies.	Town Website	Electronically and Hard copy pamphlets	Ongoing, ~500	A general overview of the permit and steps the public can take to reduce pollutants in stormwater runoff.	Department of Public Works, Scott Tharau	The Storwmater & You – MS4 can be found here; https://www.burlingtonct.gov/237/Stormwater-You---MS4-General-Permit Educational Materials can be found here; https://www.burlingtonct.gov/254/Public-Education-Outreach
1-2 Address education/ outreach for pollutants of concern	The Town developed a written Illicit Discharge Detection and Elimination (IDDE) Ordinance, which was adopted on June 6, 2023, and effective June 28, 2023.	Town Website	Electronically	Ongoing ~20	To record illicit discharges and updated periodically with abatement activities, sampling, or other pertinent information.	Department of Public Works, Scott Tharau and Zoning Enforcement Office, Jerry Burns	Illicit discharge education materials are provided to the public on the Public Works webpage: https://www.burlingtonct.gov/237/Stormwater-You---MS4-General-Permit Citizens are encouraged to report suspected or potential illicit discharges via; https://www.burlingtonct.gov/FormCenter/Public-Works-5/Illicit-Discharge-Detection-Elimination-47

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-3 Factsheet fo Water Quality and Storwmater Summary	Provide the public access to the CTDEEP factsheet rearding Burlington Water Quality	Town Website	Electronically	Ongoing ~20	Provide public with information regarding water quality, specifically regarding bacteria.	Combined effort with CTDEEP and Department of Public Works	The Burlington MS4 Factsheet can be found here; https://www.burlingtonct.gov/254/Public-Education-Outreach

1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.

1. The Town of Burlington will continue to encourage public comment and review for the 2024 MS4 Annual Report in 2025. In 2024, the town openly displayed the 2023 MS4 Annual Report during the comment period. Although no questions or comments arose, the Town actively encouraged public participation. Information regarding outreach programs, including the Burlington Land Trust and the Farmington River Watershed Association (FRWA), was also provided through the webpage.
2. The Town of Burlington continues to receive public input on development projects through various avenues, including public hearings, online permitting processes, citizen comment periods, planning and zoning (P&Z) recorded meetings, posted agendas and minutes, notifications of all public hearings, decisions, and agendas, or phone communications.
3. The Town of Burlington has developed and implemented a procedure for notifying developers and contractors of their potential obligation to obtain authorization under CTDEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities ("Construction General Permit"). This includes a mandatory disclaimer page presented every time the Land Use Permits Online link is clicked on the Town's online permitting page.

2. Public Involvement/Participation (Section 6(a)(2) / page 21)

2.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Location Posted	Additional details
2-1 Final Stormwater Management Plan publicly available	Completed	The Stormwater Management Plan is available on the Town's website.	Provide public access to the SMP	Department of Public Works, Scott Tharau	April 30, 2023 Updated February 2025	https://www.burlingtonct.gov/documentcenter/view/182	The Town has a Stormwater Management Plan that was developed for the MS4 Permit that was issued for the period 2017 to 2022. The CTDEEP reauthorized the MS4 Permit effective October 2023. The Stormwater Management Plan update reflects progress that has been made since.
2-2 Comply with public notice requirements for Annual Reports (annually by 2/15)	Completed	The 2023 MS4 Annual Report was made available to the public for comment and review.	Provide public access to the MS4 Annual Report	Department of Public Works, Scott Tharau	January 31, 2024	https://www.burlingtonct.gov/archive.aspx?amid=&type=&adid=69	Public comment and outreach is solicited on the Town of Burlington's website during the comment period each year.
2-3 Hazardous Waste Collection	Completed and Ongoing	In partnership with Berlin, Bristol, New Britain, Plainville, Plymouth, Prospect, Southington and Wolcott Hazardous Waste Collection days are provided annually.	Provide a safe way for the residetns of Burlington to dispose of hazardous materials that can accumulate in homes.	Department of Public Works, Scott Tharau	April 12, 2024 And November 9th, 2024	https://www.burlingtonct.gov/CivicAlerts.aspx?AID=19	Collections area held twice a year. Dates for 2025 are still being determined.

2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

1. The Hazardous Waste collection is held twice a year. Dates for 2025 are still being determined.
2. The Town of Burlington has implemented an Interdepartmental Coordination Plan. The Interdepartmental Coordination meetings have been held quarterly with the first selectman, the zoning enforcement officer (ZEO), the Director of Public Works, and Atlas Technical Consultants since July 2023. Quarterly meetings continued in 2024 and will continue in 2025. Dates are still being determined for 2025.

3. Illicit Discharge Detection and Elimination (Section 6(a)(3) and Appendix B / page 22)

3.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
3-1 Develop written IDDE program	Completed	The Town of Burlington developed a written Illicit Discharge Detection and Elimination (IDDE) Ordinance, which was adopted on June 6, 2023, and effective June 28, 2023.	Establish a written IDDE program and implement it.	Department of Public Works, Scott Tharau and Zoning Enforcement Office, Jerry Burns	June 28, 2023	This ordinance is also utilized by the Town as the IDDE Program in accordance with Section 6(a)(3) of the MS4 General Permit. Illicit discharges are recorded by Atlas Technical Consultants and updated periodically with abatement activities, sampling, or other pertinent information.
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	Completed	All outfalls that are connected to various outfalls in Priority Areas have been listed and mapped.	Listing and mapping of outfalls	Department of Public Works, and Atlas	July 14, 2024	
3-3 Implement citizen reporting program	Completed	Citizens are encouraged to report suspected or potential illicit discharges via online reporting.	Record and investigate citizen reported illicit discharges.	Department of Public Works, Scott Tharau and Zoning Enforcement Office, Jerry Burns	June 28, 2023	The citizen reporting form can be found here; https://www.burlingtonct.gov/FormCenter/Public-Works-5/Illicit-Discharge-Detection-Elimination-47
3-4 Establish legal authority to prohibit illicit discharges	Completed	The IDDE Ordinance established legal authority to prohibit illicit discahrges.	Establish legal authority to prohibit illicit discharges.	Department of Public Works, Scott Tharau and Zoning Enforcement Office, Jerry Burns	June 28, 2023	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
3-5 Develop record keeping system for IDDE tracking	Completed	In August 2024, one potential illicit discharges was observed during dry weather screening. A sample was taken and found not to be indicative of illicit discharge.	Record and investigate reported illicit discharges.	Department of Public Works, Zoning Enforcement Office, and Atlas	Continually Updated	
3-6 Address IDDE in areas with pollutants of concern	In Progress	Address IDDE's with pollutants of concern (i.e) septic system failures.	Compile and investigate all IDDE's with pollutants of conern.	Department of Public Works, Zoning Enforcement Office, and Atlas	Continually Updated	No IDDEs were discovered in calendar year 2024.

3.2 Describe any IDDE activities planned for the next year, if applicable.

1. Atlas maintains the master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process.
2. Atlas completed the annual training to teach staff how to catalog IDDEs in October 2024.

3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of reporting period using the following table. Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

Location (Lat long/ street crossing /address and receiving water)	**Date and duration of occurrence**	**Discharge to MS4 or surface water**	**Estimated volume discharged**	**Known or suspected cause / Responsible party**	**Corrective measures planned and completed** (include dates)	**Sampling data** (if applicable)
None						

3.4 Provide a summary of actions taken to address septic failures using the table below.

Method used to track illicit discharge reports	Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known	Dept. / Person responsible
NA				

3.5 Briefly describe the method and effectiveness of said method used to track illicit discharge reports.

1. Illicit discharge education materials are provided to the public on the Public Works webpage:
https://www.burlingtonct.gov/237/Stormwater-You---MS4-General-Permit
3. Citizens are encouraged to report suspected or potential illicit discharges via:
https://www.burlingtonct.gov/FormCenter/Public-Works-5/Illicit-Discharge-Detection-Elimination-47

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	~636
Estimated or actual number of interconnections	~8 (Interconnections found between Burlington and Harwinton)
Outfall mapping complete	July 2024
Interconnection mapping complete	CTDOT has not mapped any Stormwater Infrastrucure in Burlington as of August 2024.
System-wide mapping complete (detailed MS4 infrastructure)	July 2024
Outfall assessment and priority ranking	July 2023
Dry weather screening of all High and Low priority outfalls complete	Atlas completed all dry weather inspections for the Town in 2024. (~112 in 2023 and ~524 in 2024).
Catchment investigations complete	1
Estimated percentage of MS4 catchment area investigated	100%

3.7 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often it is given (minimum once per year).

1. In August 2023 and October 2024, key staff in the Town of Burlington received training to comply with the provisions of the Municipal Separate Storm Sewer (MS4) General Permit. Annual training sessions will be conducted to reinforce best practices for identifying and reporting illicit discharges and improper disposal, as well as spill response protocols. These sessions will also reiterate the Town's general goals and objectives outlined in the Stormwater Management Plan (SMP).

4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

4.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Complete	The Town updated Zoning Regulations, effective June 6, 2023, to include legal authority to control stormwater discharges associated with land disturbance and development in accordance with Section 6(a)(4)(A) of the MS4 General Permit.	The Town Chapter 256, Stormwater Management, assigns responsibility for the periodic maintenance of stormwater management infrastructure.	Department of Public Works and Zoning Enforcement Office	June 6, 2023	These regukations include maintenance of detention basins, separators, and/or embankments used to manage stormwater and any associated pollutants.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Complete	Nine (9) Planning and Zoning meetings held in 2024	Meetings Held	Planning and Zoning, Zoning Enforcement Office	July 24, 2023	See Section 4.3 of the Stormwater Management Plan
4-3 Review site plans for stormwater quality concerns	Complete	Nine (9) Planning and Zoning meetings held in 2024. None involved stormwater quality plans	The Town regularly reviews site plans when a Zoning Permit, Special Permit and/or a Subdivision Permit application is received.	Department of Public Works, Zoning Enforcement Office	August 8, 2023	These reviews are conducted in accordance with Section 6(a)(4)(C)(i) of the MS4 General Permit. See Section 4.3 of the Stormwater Management Plan

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
4-4 Conduct site inspections	Complete	The Town released a Construction Site Stormwater Inspection Report checklist on February 26, 2024.	These reviews incorporate consideration of stormwater controls or management practices to prevent or minimize impacts on water quality.	Department of Public Works and Zoning Enforcement Office	February 26, 2024.	See Section 4.4 of the Stormwater Management Plan
4-5 Implement procedure to allow public comment on site development	Complete	Nine (9) Planning and Zoning meetings held in 2024.	Allow the public to comment on site development projects.	Department of Public Works and Zoning Enforcement Office	August 8, 2023	See Section 4.5 of the Stormwater Management Plan The Town continues to receive public input on development projects through various avenues, including public hearings, online permitting processes, citizen comment periods, planning and zoning (P&Z) recorded meetings, posted agendas and minutes, notifications of all public hearings, decisions, and agendas, or phone communications
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Complete	None	Notify developers about the DEEP construction permitting requirements.	Department of Public Works and Zoning Enforcement Office	August 8, 2023	This includes a mandatory disclaimer page presented every time the Land Use Permits Online link is clicked on the Town's online permitting page. See Section 4.6 of the Stormwater Management Plan The online permit applications are found here: https://burlingtonct.portal.iworq.net/portalhome/burlingtonct The Town developed and implemented a procedure for notifying developers and contractors of their potential obligation to obtain authorization under CTDEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities ("Construction General Permit").

4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

1. Continue to integrate stormwater compliance checklist into review process once completed.
2. Continue to use a mandatory disclaimer page presented every time the Land Use Permits Online link is clicked on the Town's online permitting page before submitting a permit application.
3. Cotninue to conduct site inspections to ensure best management practices are being utilized to minimize erosion.

5. Post-construction Stormwater Management (Section 6(a)(5) / page 27)

5.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22)	Complete	None	Updated The Town's Zoning Regulations to remove and identified barriers to LID.	Planning and Zoning Commussion	March 9, 2023	https://www.burlingtonct.gov/QuickLinks.aspx?CID=48 Town of Burlington Zoning Regulations The Town conducted a review of Town Ordinances to identify potential barriers to Low Impact Development (LID). Amendments to the Town of Burlington Zoning Regulations were revised in March 2023 to remove any identified barriers to LID.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Ongoing	Proposed development plans are reviewed for adherence to LID requirements	Proposed development plans reviewed	Planning and Zoning Commussion	March 9, 2023	
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	In Progress	Plans are in place to gather information on retention and detention ponds	Information uploaded to GIS database	Department of Public Works and Zoning Enforcement Office	2025	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	Ongoing	None	Identified priority areas and focused on maintaining stormwater systems within those high priority areas.	Department of Public Works and Zoning Enforcement Office	Plan Implemented in 2023	

5-5 DCIA mapping (Due 7/1/20)	Completed	DCIA Mapping has been completed by the Town Engineer.	DCIA Mapping has been completed by the Town Engineer.	Town Engineer Department of Public Works and Zoning Enforcement Office	July 20, 2023	
5-6 Address post-construction issues in areas with pollutants of concern	Completed	There are no impaired waters within the Town of Burlington		Department of Public Works and Zoning Enforcement Office	Ongoing	The Town of Burlington has implemented a maintenance plan for retention/detention ponds and stormwater treatment structures that it owns or holds easement.

5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

No significant post-construction activities planned for 2025.

5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/post-construction.htm. Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	10.86 acres
DCIA disconnected (redevelopment plus retrofits)	0 acres this year / acres total
Retrofit projects completed	0
DCIA disconnected	0% this year / 0% total since 2012
Estimated cost of retrofits	$0
Detention or retention ponds identified	# this year /# total

5.4 Briefly describe the method to be used to determine baseline DCIA.

Utilized CT ECO Draiange Basin IA Tabulations and DCIA Computations.

6. Pollution Prevention/Good Housekeeping (Section 6(a)(6) / page 31)

6.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-1 Develop/implement formal employee training program (Ongoing)	Completed – Ongoing	MS4 Storwmater Pollution Prevention training and IDDE application provided to key staff annually.	Annual Training provided.	Department of Public Works and Zoning Enforcement Office	August 2023 October 2024	Annual Training for MS4 regulations and IDDE application performed by Atlas on an annual basis.
6-2 Implement MS4 property and operations maintenance (Ongoing)	Completed	Town implemented a maintenance plan to keep the Town-owned or perated properties, parks, and other facilities maintained to minmimize the discharge of pollutants to the MS4 system.	• Parks & Open Space; • Pet Waste Management; • Waterfowl Management; • Buildings and facilities • Vehicles and Equipment; • Leaf Management.	Department of Public Works and Zoning Enforcement Office	June 2023	See Section 6.2 of the Stormwater Management Plan
6-3 Implement coordination with interconnected MS4s	Completed	No interconnections have been mapped from the CTDOT. Atlas plans to follow up on this request next year (2025).	Approximately eight (8) MS4 interconnections have been mapped on the Harwinton and Burlington border. Follow up is needed to investigate if there are more on othe adjoining towns.	Department of Public Works and Zoning Enforcement Office	August 2024	
6-4 Develop/implement program to control other sources of pollutants to the MS4	In Progress	None		Department of Public Works and Zoning Enforcement Office		

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-5 Evaluate additional measures for discharges to impaired waters*	In Progress	The most recent Water Quality Report (WQR) (2022) indicates that there are no impaired waters within the Town of Burlington.	Based on the Consent Order, there is one impaired waterbody, the Burlington Brook (based on the 2020 WQR). Atlas identified twenty two (22) that discharge directly to waterbody. Sampling has been completed at these outfalls. Further investigation is needed.	Department of Public Works and Zoning Enforcement Office	August 2024	
6-6 Track projects that disconnect DCIA (Ongoing)	Ongoing	Nine (9) retrofit projects have been recommended for implementation by UCONN Storwmater Corp.	The Retrofit Program is ongoing and depends on available information, costs, installation periods, and town-wide discussions.	Department of Public Works and Zoning Enforcement Office	Ongoing	Attached is the Stormwater Runoff Reduction Projects that Storwmter Corps provided the town.
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Ongoing	Repair and rehabiliatate its MS4 infrastrucutre in a timely manner to reduce or eliminate the discharge of pollutatns into waterbodies from the MS4 system.	Actively cleaning out catch basins throughout the Town to minimize sediment from entering waterbodies.	Department of Public Works	Ongoing	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	Ongoing	The Town is collaborating with the Farmington River Watershed Association to apply for grants to implement retrofit projects on public parcels. These grants are expected to be awarded in December 2024.	The first project awaiting funding is the installation of a rain garden at the Town Hall complex. Major upgrades to the Town Hall building, parking lots, and existing drainage are planned, providing ample opportunities to disconnect impervious surfaces. The town aims to have updated engineering plans for the Town Hall by 2025.	Department of Public Works and Zoning Enforcement Office	Ongoing	The Town is collaborating with the Farmington River Watershed Association to apply for grants to implement retrofit projects on public parcels. These grants are expected to be awarded in December 2024. The first project awaiting funding is the installation of a Frain garden at the Town Hall complex. Major upgrades to the Town Hall building, parking lots, and existing drainage are planned, providing ample opportunities to disconnect impervious surfaces. The town aims to have updated engineering plans for the Town Hall by 2025.
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Ongoing	Collaborating with Farmington River Watershed Association and the UCONN Storwmater Corps to identify retrofit projects.	The Retrofit Program is ongoing and depends on available information, costs, installation periods, and town-wide discussions.	Department of Public Works and Zoning Enforcement Office	Ongoing	
6-10 Develop/implement street sweeping program (Ongoing)	Completed	Implement procedures for sweeping permittee-owned or operated streets and parking lots.	The Town sweeps streets and parking lots in the fall and winter months every year. Approxiamtely 85 miles are swept in 2024.	Department of Public Works	Ongoing	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-11 Develop/implement catch basin cleaning program (Ongoing)	Completed	Conducts routine cleaning of all the catch basis every year.	The own inspects and cleans all catch basins (as-needed) within the Town MS4 system on an annual basis in the fall and winter months ensuring to inspect those in urbanized and high priority areas atleast once a year.	Department of Public Works	Ongoing	See Above.
6-12 Develop/implement snow management practices (Due 7/1/18)	Completed	A snow management program was developed and implemented in 2023	This program includes deicing material standard operating procedures.	Department of Public Works	Ongoing	
Additional BMP: Catalog of MS4 infrastruture that needs to be cleaned/maintiated from 2024 Dry Weather Insepctions	In Progress	Collect information on Catch Casins and Outfalls and provide it to the Town to implement their cleaning schedule	Provide the Town with information regarding areas that need maintenance and keep records of the areas that need to be isnepcted yearly.	Department of Public Works	Ongoing	Reason for addition: Reduce sedimentation buildup in MS4 infrastructure that leads to flooding and sediment loading in waterbodies.

6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

1. The Town of Burlington has developed and implemented a plan for ensuring the long-term effectiveness of stormwater treatment of structures located in urbanized areas. This includes trimming vegetation along the MS4 infrastrucures.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Annually, October 10, 2024
Street sweeping	

Metrics	
Miles swept	85 miles
Volume (or mass) of material collected	183 yards
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	2,341
Total catch basins town- (or institution-) wide	2,341
Catch basins inspected	2,341
Catch basins cleaned	223
Volume (or mass) of material removed from all catch basins	43.75 yards
Volume removed from catch basins to impaired waters (if known)	43.75 yards
Snow management	
Type(s) of deicing material used	Treated Salt
Total amount of each deicing material applied	1,363 tons
Type(s) of deicing equipment used	Town owed equip
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	90 miles
Snow disposal location	NA
Staff training provided on application methods & equipment	October 10, 2024
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	NA
Reduction in turf area (since start of permit)	NA
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	NA

Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program.

6.5 Retrofit program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project. (Due 7/1/20)
The Town is collaborating with the Farmington River Watershed Association to apply for grants to implement retrofit projects on public parcels. These grants are expected to be awarded in December 2024. The first project awaiting funding is the installation of a rain garden at the Town Hall complex. Major upgrades to the Town Hall building, parking lots, and existing drainage are planned, providing ample opportunities to disconnect impervious surfaces. The town aims to have updated engineering plans for the Town Hall by 2025.

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project. (Due 7/1/20)

The Stormwater Retrofit Program was drafted by the Town and Atlas in 2021. The Program was designed to provide guidance on implementing LID, runoff reduction measures, or other means to disconnect or improve stormwater quality. To meet the 2% MEP disconnection goal, DCIA calculations, Urbanized areas, Impaired Waterbodies, and Catchment Rankings were utilized in identifying and prioritizing areas and/or projects to be selected for retrofits.

DCIA by Catchment was identified utilizing the following formulas:

High Connectivity
DCIA%=0.4*(IA %)^1.2
Directly Connected Area= (DCIA)(IC Acres)

Average Connectivity
DCIA%=0.1*(IA%)^1.5
Directly Connected Area= (DCIA)(IC Acres)

Partial Connectivity
DCIA%=0.04*(IA%)^1.7
Directly Connected Area= (DCIA)(IC Acres)

Slight Connectivity
DCIA%=0.01*(IA%)^2.0
Directly Connected Area= (DCIA)(IC Acres)

The Average Connectivity calculation was utilized in assessing the Town's DCIA connectivity, based on the majority of land use defined as agricultural and/or rural, minor residential communities, and minor-to-moderate commercial or industrialized areas. Based on the Average Connectivity calculations for each catchment, no catchments were identified with a connectivity of 11% or greater.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection annually in future years. (Due 7/1/22)

The Town is collaborating with the Farmington River Watershed Association to apply for grants to implement retrofit projects on public parcels. These grants are expected to be awarded in December 2024. The first project awaiting funding is the installation of a rain garden at the Town Hall complex. Major upgrades to the Town Hall building, parking lots, and existing drainage are planned, providing ample opportunities to disconnect impervious surfaces. The town aims to have updated engineering plans for the Town Hall by 2025. The Retrofit Program is ongoing and depends on available information, costs, installation periods, and town-wide discussions.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: http://s.uconn.edu/ctms4map.

Nitrogen/ Phosphorus ☐ Bacteria ☐ Mercury ☐ Other Pollutant of Concern ☐

1.2 Describe program status

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.
The most recent Water Quality Report (WQR) (2022) indicates that there are no impaired waters within the Town of Burlington.

2. Screening data for outfalls to impaired waterbodies (Section 6(i)(1) / page 41)

2.1 Screening data

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

Each Annual Report will add on to the previous year's data showing a cumulative list of sampling data. **You may also attach an excel spreadsheet with the same data rather than copying it into this table**. If you do attach a spreadsheet, please write "See Attachment" below.

Outfall ID	**Latitude / Longitude**	**Sample date**	**Parameter** (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	**Results**	**Name of Laboratory (if used)**	**Follow-up required? ***
Attachment 1						

Follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	**Pollutant threshold**
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	• E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others • Total Coliform > 500 col/100ml

Pollutant of concern	Pollutant threshold
Bacteria (salt waterbody)	• Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB • Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

3. Follow-up investigations (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall ID	Status of drainage area investigation	Control measure to address impairment
NA		

4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)

Once outfall sampling has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2021. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall	Latitude / Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
NA					

Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5)

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
Attachment 2		

2. Outfall and Interconnection Screening and Sampling data (Appendix B (A)(7)(d) / page 7)

2.1 Dry weather screening and sampling data from outfalls and interconnections

This screening is the baseline IDDE dry weather screening. For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed, during dry weather, of outfalls and interconnections categorized as high or low priority in priority areas. Do not include problem or excluded catchments. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** Refer to Attachment 3 for Dry Weather Inspections conducted in 2024.

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
Illicit-1		5/12/2023	<0.05 mg/L	<0.02 mg/L	375 umhos/cm	<0.5 ppt	E. coli 10 col/100ml T. Coliforms 2,700 col/100ml	--	--	--	No
IDDE-1		5/31/2023	<0.10 mg/L	<0.02 mg/L	139 umhos/cm	<0.5 ppt	E. coli <10 col/100ml T. Coliforms <10 col/100ml	--	--	--	No
Illicit Discaharge-2024-1		8/2/2024	<0.05 mg/L	<0.02 mg/L	123 umhos/cm	<0.5 ppt	E. coli: < 10 MPN/100ml	<0.05 mg/L	--	Unknown	No

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
							T. Coliforms: < 10 MPN/100ml				

2.2 Wet weather sample and inspection data

This sampling data is the baseline wet weather priority catchment investigation sampling. For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide baseline sample data for outfalls and key junction manholes of any catchment area (all high priority, low priority, and problem outfalls within the priority area) with at least one System Vulnerability Factor. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern
NA										

3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors
NA		

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather that poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather that poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

This screening is the dry weather priority catchment investigation screening. Provide sample data, both baseline and follow-up, for key junction manholes of any catchment area begin investigated for an illicit discharge and do not have any SVFs present. Follow-up investigations must take place within one year and again within five years. **You may also attach an excel spreadsheet with the same data rather than copying it to this table**. If you do attach a spreadsheet, please write "See Attachment" below.

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
NA						

3.3 Wet weather follow-up investigation outfall sampling data

This sampling is the follow-up investigations for the wet weather priority catchment investigation. Provide follow-up sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor. Follow-up investigations must take place within one year and again within five years. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants
NA					

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name:	Print name:
Douglas K. Thompson	**RosaLinda Sibilio**
Signature / Date:	Signature / Date:
3-25-25	**3/25/2025**
Email:	Email:
thompson.d@burlingtonct.gov	Rosie.sibilio@oneatlas.com

Figure 1

Detailed MS4 Mapping

N

Nepaug Reservoir

Nepaug Marsh

Lamson Corner

Whigville

Unionville

Miles

0 0.27 0.53 1.06 1.59 2.12

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Legend

- Outfalls
- Catch Basins
- Wet Weather Sampling (2024)
- State Roads
- Municipal and Private Open Space
- Surface Water
- Surface Water Intersecting Burlington
- Town of Burlington Local Water Basin
- Urbanized Areas
- Parcel Boundaries
- Town of Burlington Boundary
- Watershed Access Roads

Town of Burlington Detailed MS4 Mapping 2024 Annual Report

ATLAS

Attachment 1

Wet Weather Screening

Town of Burlington
Wet Weather Sampling 2024

Outfall ID	Inspection Date	Condition	Discharge Description	General Parameters							Bacterial	
				Temperature (°C)[3]	pH (SU)[3]	Dissolved Oxygen (mg/L)	SPC (uS/cm)	ORP (mV)	Turbidity (NTU)	Odor	Escherichia Coli	Total Coliforms
											MPN/100mL	
OF-5	11/21/2024	Fair	Unable to find outfall location, located behind residential property. Took sample from upgradient connected catch basin. Discharge observed to be clear with a yellow/brown tint and no suspended solids.	9.1	6.62	10.61	41.9	76.5	2.18	No	**12,000**	**>24,200**
OF-7	11/21/2024	Good	HDPE pipe dishcharging to impaired waterbody downgradient. Steady flow; discharge observed to be clear with no suspended solids.	9	6.83	10.7	186.6	97.6	0.02	No	**41**	**2,360**
OF-13	11/21/2024	Fair	Unable to find outfall location, located in a wooded area likely bured under leaf litter. Took sample from connected catch basin. Discharge observed to be clear with no suspended solids.	9	6.54	10.59	32.4	84.2	11.2	No	**288**	**>24,200**
OF-15	11/21/2024	Good	HDPE pipe dishcharging to impaired waterbody from a steep cliff. Sediment accumulation observed at mouth of pipe. Discharge observed to be clear with a slight yellow tint and no suspended solids.	9.1	6.52	10.35	44.9	91.6	12.5	No	**2,100**	**>24200**
OF-20	11/21/2024	Fair	Unable to find outfall location, located on a steep cliff and likely bured under leaf litter. Took sample from connecting catch basin. Discharge observed to be cloudy with a yellow tint and no suspended solids.	9.1	6.16	10.54	49.5	96.9	56.6	No	**384**	**>24,200**
OF-136	11/21/2024	Good	Two large concrete pipes discharging to impaired waterbody. Both moderately flowing during inspection. No sediment accumulaton observed in either pipes. Discharge observed to be clear with slight yellow tint and no suspended solids.	9.3	6.58	10.49	120.8	111.4	0.02	No	**529**	**>24,200**
OF-175	11/21/2024	Good	Concrete pipe with steady flow; cloudy with a slight yellow tint.	9	6.53	10.71	74	91.3	148	No	**3,260**	**>24,200**
OF-248	11/21/2024	Fair	Unable to find outfall location, located behind residential property. Took sample from connected catch basin. Discharge observed to be clear with a slight yellow tint and some suspended solids.	9.1	6.91	9.03	21.3	72.1	31.1	No	**<10**	**>24,200**

Notes:
* All highlighted bacterial concentrations are required for follow-up investigations.
*Highlighting is based on the following criteria;
1. E. Coli >235/100mL for Swimming Areas, and >410 col/100mL for all others.
2. Total Coliform > 500 col/100mL
3. Fecal Coliform >31 col/100 mL for Class SA and >260 col/100mL for Class SB
4. Enterococci >104 col/100mL for Swimming Areas and >500 col/100mL for all others.

Attachment 2

Priority Ranking of Catchments

Town of Burlington
Catchment Assessment
and
Priority Ranking Matrix

Catchment ID	Number of Outfalls Included	Receiving Water(s)	Previous Screening Results Indicate Likely Sewer Input? [1]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sewer Repair Nearby?	Urbanized Area	DCIA >11% [9]	Impaired Waterbody	Score	Priority Ranking *Low Priority: 0-5* *Problem: 6-9* *High Priority: ≥10*
Information Source			Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Storm System Maps	Other	Municipal Staff, GIS Maps	CLEAR	CLEAR	CLEAR		
Scoring Criteria			Yes = 3 (Problem Catchment) No = 0	Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	Description	Yes=2 No=0	Yes =1 No = 0	Yes =1 No = 0	Yes =1 No = 0		
4300-00		Farmington River		3		0	1		0		1	Mix of wooded and residential; along major road and Farmington River		1	0	0	6	Problem
4300-20		Farmington River, Lake Garda		3		0	1		0		1	Residential and wooded; some agricultural; lake recreation; school with athletic fields		1	0	0	6	Problem
4300-22		Farmington River, Unionville Brook		0		0	1		0		0	Mostly wooded, some residential		1	0	0	2	Low Priority
4300-23		Farmington River, Unionville Brook		3		0	1		0		0	Residential and wooded; some agricultural		1	0	0	5	Low Priority
4300-24		Farmington River, Unionville Brook		3		0	1		0		0	Mostly wooded, some residential; small portion of aquifer protection area along eastern edge		1	0	0	5	Low Priority
4310-00		Nepaug River, Nepaug Reservoir		3		0	1		0		0	Wooded with at least half of area in Nepaug Reservoir; some residential in southern corner		0	0	0	4	Low Priority
4310-06		Nepaug River, South Nepaug Brook		0		0	1		0		0	Wooded		0	0	0	1	Low Priority
4310-11		Nepaug River, Clear Brook		3		0	1		0		1	Wooded, small amount of residential on southern edge		0	0	0	5	Low Priority
4310-12		Nepaug River, Phelps Brook		3		0	1		0		1	Mostly wooded, some residential areas		0	0	0	5	Low Priority
4311-00		Burlington Brook, Bunnell Brook		3		0	2		0		1	Mixture of wooded and residential; contains portion of CBD (light-medium density); contains most of Burlington Brook		1	0	0	7	Problem
4311-01		Burlington Brook, North Branch Bunnell Brook, Hinman Pond		0		0	1		0		1	Mixture of wooded and residential; scattered commercial; some cleared agricultural land		0	0	0	2	Low Priority
4311-02		Burlington Brook, North Branch Bunnell Brook, Dunning Pond		0		0	1		0		0	Mostly wooded, some residential; high school with athletic fields in SE corner		0	0	0	1	Low Priority

Town of Burlington
Catchment Assessment
and
Priority Ranking Matrix

Catchment ID	Number of Outfalls Included	Receiving Water(s)	Previous Screening Results Indicate Likely Sewer Input? [1]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sewer Repair Nearby?	Urbanized Area	DCIA >11% [9]	Impaired Waterbody	Score	Priority Ranking *Low Priority: 0-5* *Problem: 6-9* *High Priority: ≥10*
Information Source			Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Storm System Maps	Other	Municipal Staff, GIS Maps	CLEAR	CLEAR	CLEAR		
Scoring Criteria			Yes = 3 (Problem Catchment) No = 0	Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	Description	Yes=2 No=0	Yes =1 No = 0	Yes =1 No = 0	Yes =1 No = 0		
4311-03		Burlington Brook, South Branch Bunnell Brook		0		0	1		0		1	Residential and wooded; some agricultural		0	0	0	2	Low Priority
4311-04		Burlington Brook, Bunnell Brook		0		0	1		0		0	Mostly wooded, some residential, some cleared agricultural land; high school with athletic fields		0	0	0	1	Low Priority
4311-05	4	Burlington Brook, Bradley Brook		0		0	2		0		1	Mostly wooded, some residential; contains portion of CBD (light-medium density); state fisheries		1	0	0	4	Low Priority
4311-06		Burlington Brook, Punch Brook		3		0	1		0		1	Mostly wooded, some residential		1	0	0	6	Problem
4313-00		Poland River, Powder Brook, Bristol Reservoir No. 4		0		0	1		0		0	Mostly wooded, some residential; some cleared agricultural land; scattered ponds/lakes		0	0	0	1	Low Priority
4313-01		Poland River, Bristol Reservoir No. 5		0		0	1		0		0	Mostly wooded, some residential		0	0	0	1	Low Priority
4313-04		Poland River, Marsh Brook, Old Marsh Pond		0		0	1		0		0	Mostly wooded, some residential; small amount of cleared agricultural land		0	0	0	1	Low Priority
4314-00		Copper Mine Brook, Lake Como		0		0	1		0		1	Residential and wooded; some cleared agricultural land; lake recreation		1	0	0	3	Low Priority
4314-01		Copper Mine Brook, Whigville Brook, New Britain Reservoir		0		0	1		0		1	Mostly wooded, light residential, some agricultural; a couple industrial businesses		1	0	0	3	Low Priority
4314-02		Copper Mine Brook, Freeman Hill Brook		0		0	1		0		0	Mostly wooded, light residential		0	0	0	1	Low Priority
4314-03		Copper Mine Brook, Whigville Brook, New Britain Reservoir		0		0	1		0		0	Mostly wooded, light residential		0	0	0	1	Low Priority
4314-04		Copper Mine Brook, Wildcat Brook		0		0	1		0		1	Residential and wooded; some agricultural		1	0	0	3	Low Priority
4314-05		Copper Mine Brook, Wildcat Brook		0		0	1		0		0	Mostly wooded, light residential		0	0	0	1	Low Priority

Town of Burlington
Catchment Assessment
and
Priority Ranking Matrix

Catchment ID	Number of Outfalls Included	Receiving Water(s)	Previous Screening Results Indicate Likely Sewer Input? [1]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sewer Repair Nearby?	Urbanized Area	DCIA >11% [9]	Impaired Waterbody	Score	Priority Ranking *Low Priority: 0-5* *Problem: 6-9* *High Priority: ≥10*
Information Source			Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Storm System Maps	Other	Municipal Staff, GIS Maps	CLEAR	CLEAR	CLEAR		
Scoring Criteria			Yes = 3 (Problem Catchment) No = 0	Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	Description	Yes=2 No=0	Yes =1 No = 0	Yes =1 No = 0	Yes =1 No = 0		
4314-06		Copper Mine Brook, Freeman Hill Brook		3		0	1		0		1	Mostly wooded, some residential, some cleared agricultural land		1	0	0	6	Problem
4314-07		Copper Mine Brook, Freeman Hill Brook		3		0	1		0		0	Residential and wooded; some agricultural		1	0	0	5	Low Priority
4314-08		Copper Mine Brook, Polkville Ave Brook		0		0	1		0		0	Residential and wooded; some cleared agricultural land		1	0	0	2	Low Priority
4315-05		Pequabuck River, Birge Pond Brook		0		0	1		0		0	residential		0	0	0	1	Low Priority
4315-13		Pequabuck River, Scott Swamp Brook		0		0	1		0		0	wooded		0	0	0	1	Low Priority
6907-01		Rock Brook		0		0	1		0		0	residential, some wooded area		0	0	0	1	Low Priority

Scoring Criteria:

[1] Previous screening results indicate likely sewer input if any of the following are true:
- Olfactory or visual evidence of sewage,
- Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria levels greater than the water quality criteria applicable to the receiving water, or
- Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and detectable levels of chlorine

[2] Catchments that discharge to or in the vicinity of any of the following areas: public beaches, recreational areas, drinking water supplies, or shellfish beds

[3] Receiving water quality based on latest version of State of Connecticut Integrated Water Quality Report.
- Poor = Waters with approved TMDLs (Category 4a Waters) where illicit discharges have the potential to contain the pollutant identified as the cause of the impairment
- Fair = Water quality limited waterbodies that receive a discharge from the MS4 (Category 5 Waters)
- Good = No water quality impairments

[4] Generating sites are institutional, municipal, commercial, or industrial sites with a potential to contribute to illicit discharges (e.g., car dealers, car washes, gas stations, garden centers, industrial manufacturing, etc.)

[5] Age of development and infrastructure:
- High = Industrial areas greater than 40 years old and areas where the sanitary sewer system is more than 40 years old
- Medium = Developments 20-40 years old
- Low = Developments less than 20 years old

[6] Areas once served by combined sewers and but have been separated, or areas once served by septic systems but have been converted to sanitary sewers.

[7] Aging septic systems are septic systems 30 years or older in residential areas.

[8] Any river or stream that is culverted for distance greater than a simple roadway crossing.

[9] Based off of CT NEMO DCIA Calculations

Pending investigation

Attachment 3

Dry Weather Inspection 2024

Town of Burlignton
Detailed Mapping of MS4 Outfalls
Dry Weather Inspections August 2024

Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
1	8/2/2024	No	--	--	--	Access is blocked by a fence. No trespassing signs observed.	-72.909209	41.7420023
2	8/2/2024	Yes	12	Excellent	Good	12" black plastic flared end receives water from riprap drainage area and discharges it into a catch basin.	-72.903636	41.7283758
3	8/2/2024	Yes	24	Poor	Poor	24"" concrete pipe currently buried by sediment and leaf litter.	-72.910815	41.7269047
4	8/2/2024	No	--	--	--	Located in yard of home. No flow observed in CB	-72.910616	41.72626
5	8/2/2024	Yes	48	Good	Fair	Culvert diverting stream under road. Stream is flowing. Large amount of foam and tree branches by pipe. Pipe is large ~4 ft tall corrugated metal	-72.973226	41.7421673
6	8/2/2024	Yes	36	Fair	Good	36"" steel flared end receives water from swale and discharges through catch basins and across the street to other outfall.	-72.909675	41.7281587
7	8/2/2024	Yes	36	Fair	Good	36"" steel flared end discharges to heavily vegetated area. not able to discern the erosion control quality due to vegetation thickness.	-72.909383	41.7281092
8	8/2/2024	No	30	Good	Good	Located behind home. No flow observed inside of catch basin. outfall condition based on pipe condition within catch basin.	-72.903821	41.7313415

Town of Burlignton
Detailed Mapping of MS4 Outfalls
Dry Weather Inspections August 2024

Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
9	8/2/2024	Yes	36	Good	Good	Two large hdpe pipes with metal gates near the pipe entrance to keep debris from entering the culvert. Culvert allows water to divert under road.	-72.977715	41.7415399
10	8/2/2024	Yes	36	Good	Fair	Flow observed to be going into pond along with the stream from the other side. There is a large metal gate over the outfall to minimize debris from entering pipes. Needs to be cleaned out	-72.977689	41.7414207
11	8/2/2024	Yes	30	Fair	Fair	Flow observed from stream, no illicit discharge. receives water from a wooded stream and discharges to outfall across the street.	-72.901268	41.7288428
12	8/2/2024	Yes	12	Good	Poor	Concrete Outfall with minimal erosion control.	-72.979771	41.7408684
13	8/2/2024	Yes	30	Fair	Fair	Flow observed is from stream. Discharges to wooded swale.	-72.901435	41.7288834
14	8/2/2024	Yes	48	Good	Good	Two large corrugated metal pipes diverting water under road. Some flow observed and good erosion controls.	-72.973191	41.7421289
15	8/2/2024	Yes	24	Good	Good	Receives water from upgradient and discharges across the street to an outfall.	-72.900887	41.7283385
16	8/2/2024	Yes	24	Fair	Non-existent	Discharges to a drainage pond/wetland area. Pipe is currently underwater.	-72.900949	41.7281491

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Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
17	8/2/2024	Yes	18	Poor	Poor	Concrete pipe dislodged from ground with visible erosion from the road. Rip rap present but not providing eNough to minimize erosion during rain event	-72.981793	41.7406393
18	8/2/2024	Yes	12	In Need of Repair	Non-existent	Pipe is heavily burried under sediment with No erosion control.	-72.981896	41.7407562
19	8/2/2024	Yes	18	Fair	Non-existent	18"" pipe discharges to catch basin with No grate. also receives water from two curb inlets.	-72.90149	41.7309737
20	8/2/2024	Yes	18	Good	Fair	Outfall collects water from a small stream. Diverts it under road, likely into marsh area across the street. Corrugated metal pipe has some sediment accumulation and concrete end wall is falling apart	-72.983915	41.7404246
21	8/2/2024	Yes	12	In Need of Repair	Non-existent	12" flared end receives water from roadside swale and discharges across the street. Appears to have been damaged by a lawn mower.	-72.902409	41.7304935
22	8/2/2024	Yes	36	Fair	Poor	Discharges to landscaped swale with very little erosion control	-72.903147	41.7303266
23	8/2/2024	Yes	24	Good	Excellent	Excellent erosion control. Some sand built up near the base of the outfalls and tree branches blocking the pipes.	-72.983733	41.7376643

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Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
24	8/2/2024	Yes	24	Good	Excellent	Excellent erosion control and good rip rap under the outfall pipes. Stream flow steady No obvious signs of pollution	-72.983578	41.7376771
25	8/2/2024	No	--	--	--	Unable to locate map. Dense vegetation with winding trails in the area. Residential neighbor's said they saw a pipe in the area when the vegetation is dead.	-72.981826	41.7374624
26	8/2/2024	Yes	--	--	--	Could not get closer due to private property. However, outfall could be seen and the lake shows No signs of an active flow being received from it.	-72.902502	41.7384839
27	8/2/2024	Yes	18	Fair	Poor	Outfall receives discharge from a drainage swale and discharges across the street.	-72.901741	41.735188
28	8/2/2024	Yes	24	Fair	Poor	Culvert diverting water under road. Minimal flow. Two concrete pipes. Dense vegetation and steep incline make it difficult to access outfall. Minimal erosion control	-72.983382	41.7336958
29	8/2/2024	Yes	18	Fair	Poor	Discharges to a grassy swale. Pipe is almost entirely submerged.	-72.901958	41.735249
30	8/2/2024	No	--	--	--	Located behind home and could not access. Receives water from drainage swale.	-72.901022	41.7350679

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Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
31	8/2/2024	Yes	24	Good	Poor	Two concrete pipes diverting water under road. Minimal flow and erosion control	-72.983258	41.7336604
32	8/2/2024	Yes	12	Good	Poor	Receives water and culverts it across the street to another outfall.	-72.904298	41.7340378
33	8/2/2024	Yes	18	Fair	Non-existent	Concrete end wall with concrete pipe diverting water under road. Seems to be very dry with leaf litter and sediment accumulation inside pipe.	-72.98436	41.7317019
34	8/2/2024	Yes	12	Good	Good	Discharges to wooded/vegetated wetland/pond area.	-72.904294	41.7341237
35	8/2/2024	Yes	18	Good	Good	Located next to endwall outfall that discharges to the same area. Located further into the discharge area and is covered by vegetation. Unable to get a photo of the pipe.	-72.904331	41.7341288
36	8/2/2024	Yes	--	Fair	--	Located approximate location of outfall. Across the street from a culvert. Very densely overgrown.	-72.984483	41.7316554
37	8/2/2024	Yes	18	Good	Fair	Old outfall, flow from street goes into outfall/catch basin. Then diverts under road. Minimal sediment in outfall	-72.983324	41.7286956

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38	8/2/2024	Yes	72	Good	Fair	Discharges to lake/wetland area.	-72.906395	41.735296
39	8/2/2024	Yes	18	Good	Fair	Black hdpe pipe discharges to lake/wetland area.	-72.906389	41.7353138
40	8/2/2024	Yes	18	Good	Fair	black hdpe flared end discharges to lake/wetland area. Iron floc observed in discharge area.	-72.906347	41.7352637
41	8/2/2024	Yes	72	Fair	Good	Receives overflow from lake/pond/wetland and discharges it to outfall across the street.	-72.906567	41.7352836
42	8/2/2024	Yes	18	Good	Fair	Access to outfall is via house near the road. Some rocks observed for erosion.	-72.983526	41.7286622
43	8/2/2024	No	12	--	--	Could not locate outfall itself due to being on private property. Assessed catch basin for illicit discharges and none observed.	-72.905137	41.7382455
44	8/2/2024	Yes	16	Fair	Poor	Outfall minimal erosion control and leaf litter and sediment accumulation inside pipe.	-72.98349	41.7296617
45	8/2/2024	No	--	Fair	Good	Outfall pipe not observed, however riprap curb inlet observed. Assessed curb inlet and No discharge.	-72.905317	41.7398621

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46	8/2/2024	Yes	16	Fair	Poor	Outfall collects water from road and diverts it across. Minimal erosion control. Some sediment accumulation in pipe.	-72.982087	41.7259189
47	8/2/2024	Yes	--	In Need of Repair	Non-existent	Pipe buried under sediment and leaf litter. Unable to locate pipe.	-72.982071	41.7260319
48	8/2/2024	Yes	16	In Need of Repair	Non-existent	Outfall is not clearly marked with wooden posts. Heavy sediment and leaf litter accumulation. Pipe is almost blocked.	-72.980962	41.7253788
49	8/2/2024	Yes	36	Good	Good	Discharges to lake	-72.904195	41.7412033
50	8/2/2024	Yes	16	In Need of Repair	Non-existent	Outfall not marked well and dense vegetation overgrowth. Sediment accumulation and leaf litter debris blocking outfall	-72.981056	41.7252829
51	8/2/2024	Yes	12	Fair	Poor	Hdpe pipe leading water into the wooded area. Heavily sedimented and minimal erosion control	-72.980403	41.723793
52	8/2/2024	Yes	12	Fair	Fair	Unable to locate exact location of outfall. Densely vegetated. Minimal erosion control.	-72.980573	41.7237338
53	8/2/2024	Yes	18	Good	Good	Discharges to retention pond.	-72.927301	41.7264149

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Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
54	8/2/2024	Yes	16	Good	Good	12" corrugated metal pipe diverting flow from pond.	-72.983944	41.7249532
55	8/2/2024	Yes	18	Fair	Good	White pvc pipe discharges to vegetated retention pond.	-72.92735	41.7264037
56	8/2/2024	Yes	--	Good	--	Weir/pump that directs flow from pond under the road. Heard flow during inspection	-72.983996	41.7248533
57	8/2/2024	No	18	--	--	Could not locate outfall itself due to being on private property. Assessed catch basin for illicit discharges and none observed.	-72.927082	41.7211372
58	8/2/2024	Yes	18	Good	Poor	Discharges to wooded riprap swale.	-72.928842	41.724656
59	8/2/2024	Yes	18	--	--	Endwall woth metal pipe and hdpe pipe diverting water under road.	-72.928849	41.7246628
60	8/2/2024	No	--	--	--	Unable to locate outfall	-72.987592	41.7258869
61	8/2/2024	Yes	16	Poor	Poor	Endwall with concrete pipe. Minimal erosion control and sediment buildup in pipe.	-72.987592	41.7258869

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Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
62	8/2/2024	--	30	Good	Good	Discharges to wooded swale that discharges to a stream	-72.930624	41.7253512
63	8/2/2024	No	--	--	--	Unable to locate outfall, behind someone's property in a wooded area	-72.987932	41.7268643
64	8/2/2024	Yes	12	In Need of Repair	Non-existent	Hdpe pipe diverting water under the road. Mostly clogged by sediment and leaf litter	-72.990273	41.7266594
65	8/2/2024	Yes	12	Poor	Poor	Endwall with concrete pipe. Minimal erosion control and sediment accumulation and leaf litter in pipe	-72.990427	41.7266034
66	8/2/2024	Yes	12	Fair	Non-existent	Discharges to wooded area that leads to a stream	-72.935638	41.7266198
67	8/2/2024	Yes	24	Good	Non-existent	Discharges to wooded swale. rill erosion observed.	-72.936285	41.7266453
68	8/2/2024	Yes	--	Fair	Fair	Pipe seems to be burried under leaf litter and sediment. Some rip rap present.	-72.990836	41.7269773
69	8/2/2024	Yes	18	Fair	Poor	Discharges to roadside swale. Vegetation and debris accumulated in drainage area.	-72.936595	41.7268528
70	8/2/2024	Yes	105	Fair	Good	Flow is from stream/brook. Culverts a stream/brook across the street	-72.936149	41.727168

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71	8/2/2024	No	--	--	--	Dense vegetation blocking access to the outfall	-72.9914	41.727605
72	8/2/2024	Yes	--	Fair	--	Difficulty getting to outfall. Stream flowing with steady flow. Some rip rap and densely overgrown	-72.990135	41.729531
73	8/2/2024	Yes	16	Good	Poor	Flared end concrete pipe diverts water under road. Discharges into wetland area. Some rip rap present but sediment accumulation at end of pipe	-72.99014	41.7294564
74	8/2/2024	No	--	--	--	Catch basin has an accumulation of stone in it from a recent repaving, making it impossible to see the outfall pipe. No water in catch basin.	-72.939013	41.725175
75	8/2/2024	Yes	16	Good	Fair	Flared end concrete outfall with some rip rap at end of pipe. Minimal flow into wetland area	-72.990094	41.72956
76	8/2/2024	No	--	--	--	No catch basins or outfalls in area. Possible that outfall location was off when originally mapped.	-72.938089	41.7246798
77	8/2/2024	Yes	24	Good	Good	Difficult to access due to pricker thorns. Observed a two tired outfall with a large pipe.	-72.990377	41.7296018
78	8/2/2024	Yes	12	Poor	Good	Concrete pipe is beginning to crumble. Discharges into catch basin.	-72.942061	41.7259306

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79	8/2/2024	Yes	--	Good	--	Pipe located in wetland area. Unable to get exact location	-72.977576	41.721076
80	8/2/2024	Yes	6	Good	Excellent	6"" pvc pipe discharging steadily. Origin UnkNown. Sampled 8/2 at 9:55	-72.946183	41.7229607
81	8/2/2024	Yes	--	Good	Fair	Wetland area with cattails. Iron floc observed with organic sheen coming from outfall. Some erosion control.	-72.979161	41.718804
82	8/2/2024	No	--	Good	--	Unable to locate exact location of outfall. In wetland area. Overflow pipe then connects and so barges to outfall down gradient	-72.978707	41.7188256
83	8/2/2024	No	--	--	--	Unable to locate outfall. Near construction area.	-72.978698	41.7192364
84	8/2/2024	Yes	--	Fair	--	Steep drop down for outfall pipe. Some rip rap observed.	-72.979825	41.7180477
85	8/2/2024	Yes	16	Good	Good	Corrugated metal pipe diverting stream under road. Also collects ruNoff from road. Some rip rap present.	-72.979707	41.7180851
86	8/2/2024	Yes	16	Good	Fair	Pipe observed to have stagnant water flowing under road. Some erosion control.	-72.979309	41.7161898

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87	8/2/2024	Yes	16	Good	Non-existent	Runoff from road directed towards outfall that seems to discharge into a swale on the side of the road.	-72.979058	41.716233
88	8/2/2024	Yes	12	Good	Good	Concrete pipe directing water to down gradient stream. Good erosion control with vegetation and rip rap a	-72.975553	41.7150802
89	8/2/2024	No	--	--	--	Outfall located on residential property. Unable to access it.	-72.97665	41.7150981
90	8/2/2024	No	--	--	--	Unable to locate outfall, behind residential property	-72.974134	41.7151556
91	8/2/2024	Yes	30	Fair	Fair	Receives water from drainage swale	-72.944639	41.7191275
92	8/2/2024	Yes	--	Good	--	Exact location of outfall was not found. Outfall discharges into vegetated wetland area	-72.975817	41.7189796
93	8/2/2024	Yes	30	Good	Good	Discharges to wooded area	-72.944402	41.7191544
94	8/2/2024	Yes	--	Good	--	Unable to locate exact are of outfall. Discharges into vegetated wetland area	-72.970673	41.7209403

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95	8/2/2024	Yes	--	Good	--	Unable to locate exact location of outfall. Discharges into vegetated wetland area	-72.974529	41.7202793
96	8/2/2024	Yes	18	Fair	--	Discharges from catch basin to detention pond. Vegetation too thick to discern erosion control quality.	-72.921398	41.7340657
97	8/2/2024	No	--	--	--	Steep hill prevents observation of outfall itself. Outfall culverts water across the road.	-72.932733	41.7366743
98	8/2/2024	No	--	--	--	Steep hill prevents observation of outfall itself. Outfall culverts water across the road. All flow (flow can be heard) is from stream.	-72.933093	41.7364045
99	8/2/2024	No	18	--	--	Located in yard, observations done from catch basin.	-72.928607	41.7428223
100	8/2/2024	Yes	30	Good	Good	Discharges to wooded swale. Foam observed in discharge area.	-72.92909	41.7332944
101	8/2/2024	Yes	12	In Need of Repair	Non-existent	Outfall is buried under sediment.	-72.979578	41.732751
102	8/2/2024	Yes	--	In Need of Repair	Non-existent	Outfall completely buried under sedimentation	-72.979654	41.7327039

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103	8/2/2024	No	48	Good	--	Located behind home. Observations made from catch basin.	-72.925275	41.7355968
104	8/2/2024	No	18	Fair	--	Located behind home. Observations made from catch basin.	-72.926436	41.7405236
105	8/2/2024	Yes	--	Good	--	Exact location of outfall was not found. Dense vegetation prevent access.	-72.97343	41.7245835
106	8/2/2024	No	18	Good	--	Located behind home. Observations made from catch basin.	-72.921529	41.7462457
107	8/2/2024	Yes	18	Good	Fair	Two concrete pipes diverting water from up gradient wetland under road to stream. Some erosion control rip rap present	-72.973485	41.7245386
108	8/2/2024	Yes	24	Good	Good	Flow coming from up gradient wetland area. Flowing into two flared end outfalls that divert water under road. Good erosion rip rap	-72.958669	41.7197387
109	8/2/2024	Yes	24	Good	Good	Two flared end concrete outfalls diverting water under road to stream. Good erosion control and steady flow	-72.958419	41.7196462
110	8/2/2024	No	--	--	--	Unable to reach or locate outfall. Steep drop off to stream and highly vegetated	-72.957745	41.7199495

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111	8/2/2024	Yes	18	Excellent	Excellent	Discharges to riprap drainage depression	-72.906447	41.7455533
112	8/2/2024	No	--	--	--	Unable to locate outfall. Appears to be in dense shrubs on residential property	-72.957822	41.7202233
113	8/2/2024	Yes	48	Good	Fair	Two large concrete pipes observed to have steady flow from pond across the way. The water had a brown tint and some foaming observed. Rip rap at end of pipes to reduce erosion	-72.976633	41.7307133
114	8/2/2024	Yes	48	Fair	--	Discharges to culvert	-72.905679	41.7483393
115	8/2/2024	Yes	--	--	--	Twin outfalls diverting water across the road	-72.958452	41.7195607
116	8/2/2024	Yes	48	Fair	Fair	Culvert discharges to wooded/grassy swale.	-72.905572	41.7483567
117	8/2/2024	Yes	24	Good	Good	Discharges to wooded riprap swale	-72.904812	41.7494544
118	8/2/2024	Yes	16	Good	Fair	Stream diverting under road. Some foam present in rip rap. Concrete pipe semi blocked by tree branches.	-72.957606	41.7190799

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119	8/2/2024	Yes	24	Good	Good	Recieves water from a stream and discharges to outfall across the street	-72.904915	41.749522
120	8/2/2024	Yes	18	Fair	Fair	Two large concrete pipes one 16 the other 24 discharging water from under road. Good erosion control under pipes but minimal erosion control from road ruNoff.	-72.957639	41.7189672
121	8/2/2024	Yes	36	Excellent	Good	Discharges to detention pond area. Some refuse observed in the drainage area.	-72.904428	41.7501477
122	8/2/2024	Yes	24	Good	Good	Two large concrete outflows with steady flow. Good rip rap under pipes and a metal gate across each to prevent tree branches/ debris from getting in	-72.959385	41.7199134
123	8/2/2024	Yes	24	Good	Good	Difficult to access outfalls. Dense vegetation. Good rip rap	-72.959755	41.7198296
124	8/2/2024	Yes	18	Good	Good	Flared end concrete outfall in residential back yard that discharges into wooded area/ stream nearby.	-72.960428	41.7200083
125	8/2/2024	Yes	18	Good	Excellent	Discharges to stream/brook.	-72.90412	41.7480759
126	8/2/2024	Yes	16	Good	Fair	Concrete end wall diverting stream under road. Adequate rip rap and steady stream flow	-72.963712	41.719389

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127	8/2/2024	Yes	60	Fair	Excellent	Culverts water across the street. Significant erosion observed on stream banks	-72.904142	41.7481114
128	8/2/2024	Yes	18	Good	Good	Stream diverted under road. Good rip rap present.	-72.963917	41.7195059
129	8/2/2024	Yes	60	Good	Excellent	Culverts water across the street	-72.904258	41.7481254
130	8/2/2024	Yes	18	Good	Fair	Concrete Endwall pipe diverting water under road. Minimal erosion control.	-72.964103	41.7193675
131	8/2/2024	Yes	18	Good	Good	Concrete Endwall pipe. Good rip rap and minimal flow	-72.964033	41.7191552
132	8/2/2024	Yes	18	Good	--	Discharges into riprap stream and into culvert	-72.904364	41.7482168
133	8/2/2024	No	--	--	--	Unable to find exact location of outfall. Dense vegetation and the outfall intersects with residential property	-72.963594	41.7184797
134	8/2/2024	Yes	--	Good	Fair	Receives water from upgradient stream and discharges to outfall across the street	-72.915214	41.7497555
135	8/2/2024	Yes	18	Good	Good	Flared end concrete pipe directing flow underneath road. Good rip rap for erosion control	-72.962219	41.7180487

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136	8/2/2024	Yes	18	Good	Good	On residential property. Good rip rap and to prevent erosion	-72.961828	41.718146
137	8/2/2024	Yes	30	Good	Good	Discharges to wooded swale	-72.914958	41.7499145
138	8/2/2024	Yes	24	Good	Poor	Discharges to wooded swale/stream	-72.910269	41.7519833
139	8/2/2024	Yes	18	Fair	Fair	Flared end concrete outfall that discharges onto residential property and eventually goes to a stream. Minimal erosion control	-72.959041	41.7176365
140	8/2/2024	Yes	24	Good	Fair	Receives water from a stream and culverts it across the street to an outfall.	-72.910276	41.7521793
141	8/2/2024	No	--	--	--	No signs of an outfall in area	-72.912142	41.7396477
142	8/2/2024	No	--	--	--	No signs of an outfall/culvert	-72.912281	41.7395764
143	8/2/2024	No	--	--	--	No sign of an outfall/culvert	-72.911919	41.7395339

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144	8/2/2024	Yes	24	Good	Good	Exact location of outfall was not found. Within dense wetland vegetation. Observed to have good erosion control	-72.965632	41.716739
145	8/2/2024	Yes	24	Good	Excellent	Exact location of outfall not observed. Located within dense vegetative wetland area	-72.964963	41.7166667
146	8/2/2024	No	18	--	--	Receives water from stream and discharges to catch basin	-72.91076	41.743661
147	8/2/2024	No	--	--	--	Could not access, private property	-72.903086	41.7426522
148	8/2/2024	No	--	--	--	No signs of an outfall	-72.914049	41.7509286
149	8/2/2024	No	--	--	--	No signs of an outfall	-72.913968	41.7509523
150	8/2/2024	Yes	48	Good	Poor	Discharges to wooded stream	-72.909419	41.745983
151	8/2/2024	Yes	48	Excellent	Excellent	Receives water from a stream and discharges it into a culvert and across the street	-72.909776	41.7461012
152	8/2/2024	Yes	30	Good	Poor	Discharges to wooded swale, erosion observed	-72.908906	41.7473494

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Number	Date of Inspection	Outfall Located	Approximate Diameter of Outfall (Inches)	Outfall Condition	Erosion Control Measures	Notes	X-Coordinate	Y-Coordinate
153	8/2/2024	Yes	30	Good	Poor	Discharges to wooded swale, erosion observed	-72.908925	41.7473437
154	8/2/2024	Yes	30	Good	Good	Set of two flared ends that discharge to outfalls across the street	-72.90922	41.7472983
155	8/2/2024	Yes	30	Good	Good	Set of two flared ends that discharge to outfalls across the street	-72.909208	41.7473098
156	8/2/2024	Yes	16	Fair	Excellent	Hdpe pipe crushed under rip rap. Flow steady from stream/ swale under road. House was found to be left inside the outfall pipe. Unable to get it out (stuck) No sign of idde but likely.	-72.946892	41.7253785
157	8/2/2024	Yes	18	Good	Fair	Discharges to wooded stream	-72.908529	41.7488346
158	8/2/2024	Yes	18	Good	Fair	Hdpe pipe flared end that diverted water under road. Goes into residential property.	-72.94693	41.7253282
159	8/2/2024	Yes	18	Good	Good	Receives water from a stream and discharges to outfall across the street	-72.908789	41.748716
160	8/2/2024	Yes	24	Fair	Fair	Discharges to thickly vegetated area	-72.907741	41.7500098

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161	8/2/2024	Yes	48	Good	Excellent	Culverted bridge directing water under road. Excellent erosion control.	-72.940796	41.7312819
162	8/2/2024	Yes	24	Good	Fair	Discharges to retention pond area	-72.908417	41.7568351
163	8/2/2024	Yes	48	Good	Excellent	Culverted bridge allowing water to flow under road. Excellent rip rap	-72.940891	41.7312973
164	8/2/2024	Yes	18	Good	Fair	Discharges overflow from retention pond into wooded area	-72.908	41.7569145
165	8/2/2024	Yes	16	Good	Good	Outfall in residential property. Good rip rap to prevent erosion. Steady flow	-72.941786	41.7333344
166	8/2/2024	Yes	16	Good	Good	Good rip rap, outfall diverts water under road. Steady flow. Some foam observed in rip rap	-72.941844	41.7334893
167	8/2/2024	Yes	--	In Need of Repair	Non-existent	Outfall buried under sediment. In need of repair. A wooden plank is kept over it.	-72.938772	41.7343836
168	8/2/2024	Yes	--	In Need of Repair	--	Completely buried under sediment	-72.938768	41.7342223
169	8/2/2024	Yes	30	Good	Good	Discharges into wooded stream	-72.907443	41.7603728

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170	8/2/2024	Yes	30	Good	Good	Receives water from a stream and culverts it across the street	-72.907544	41.7605508
171	8/2/2024	Yes	16	Fair	Fair	Flared end concrete outfall. Minimal flow and erosion control. Sediment accumulation on stream bed	-72.938482	41.7376348
172	8/2/2024	No	30	--	--	U'nable to access outfall itself, made observations from catch basin	-72.907834	41.7601742
173	8/2/2024	No	30	--	--	Could not access outfall itself, made observations from catch basin. Iron floc observed in catch basin end of pipe. discharges into catch basin	-72.908081	41.7604674
174	8/2/2024	Yes	16	Fair	Good	End wall concrete mostly submerged under sediment and vegetation	-72.938423	41.7378032
175	8/2/2024	No	--	--	--	Located behind home. Observations made from catch basin.	-72.909358	41.7585174
176	8/2/2024	No	--	--	--	Unable to access, catch basin and outfall in yard of homeowner.	-72.909658	41.7582838
177	8/2/2024	Yes	12	--	Poor	Outfall likely burried under sediment. Collects water running off road.	-72.944676	41.7355028

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178	8/2/2024	Yes	48	Good	Good	Bridge culverted stream under road. Steady flow	-72.943785	41.7336755
179	8/2/2024	Yes	18	In Need of Repair	Poor	Outfall pipe appears to be collapsed. Discharges to wooded area	-72.937936	41.7560773
180	8/2/2024	Yes	48	Good	Good	Bridge diverting water under road. Good rip rap	-72.94372	41.7335824
181	8/2/2024	Yes	12	Good	Fair	Concrete pipe with some flow. Minimal Foam observed	-72.947095	41.7342957
182	8/2/2024	Yes	12	Good	Non-existent	Discharges to wooded swale with no erosion controls. Wrosion observed	-72.941037	41.7544045
183	8/2/2024	Yes	12	Good	Fair	End all concrete pipe with sediment accumulation. Small flow observed	-72.947215	41.7341582
184	8/2/2024	Yes	12	Poor	Poor	Steep slope where outfall is located. Minimal erosion control and filled in with sediment	-72.953775	41.7346336
185	8/2/2024	Yes	12	Poor	Poor	Steep are where outfall is located. Minimal erosion control and outfall pipe is filled with sediment	-72.955754	41.7348895

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186	8/12/24	Yes	16	Good	Fair	Concrete pipe diverting steam under driveway. Stream comes from the woods and possible swale on side of the road. The pipe is semi filled with leaf litter debris	-72.97198	41.7687483
187	8/12/24	Yes	16	Good	Fair	Concrete pipe with steady flow discharges into swale area on side of the road. Foam present in ponding area before rip rap. Pipe u see asphalt seems to have been eroded away.	-72.971677	41.7690383
188	8/12/24	Yes	--	In Need of Repair	Non-existent	Pipe is completely buried in sediment. Minimal erosion control present.	-72.972941	41.7684455
189	8/12/24	Yes	--	Poor	Poor	Large leaf litter and sediment pile accumulated in swale area. Outfall pipe is underneath stone	-72.973872	41.7681267
190	8/12/24	No	--	--	--	Located on private property	-72.906937	41.7589905
191	8/12/24	Yes	--	Fair	Poor	Stream diverted under road. Leaf litter debris blocking the outfall pipe. Minimal erosion control present.	-72.973933	41.7681983
192	8/12/24	No	--	--	--	Located on someone's property	-72.907441	41.7620495
193	8/12/24	Yes	--	Good	Good	Unable to find exact location of outfall pipe. Swale on the side of the road collects stormwater and diverts it under the road. The pipe is buried under dense vegetation.	-72.977532	41.767511

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194	8/12/24	Yes	16	Fair	Fair	Corrugated metal pipe directing water under road and flowing down gradient. Pipe seems to be semi buried in the hill and is covered in vegetation.	-72.979693	41.7672683
195	8/12/24	Yes	24	Fair	Poor	No rip rap installed, some larger rocks acting as natural erosion control.	-72.90931	41.7641054
196	8/12/24	Yes	18	Good	Fair	Hdpe pipe that flows into residential property. Foam observed at the mouth of the outfall. Vegetation provides some erosion control.	-72.980935	41.7658873
197	8/12/24	Yes	24	Fair	Non-existent	No erosion control observed	-72.910337	41.7651539
198	8/12/24	Yes	16	Good	Fair	Concrete box/pipe diverts water from wetland under road. Vegetation provides some erosion control	-72.98091	41.7658068
199	8/12/24	Yes	16	Poor	Poor	Sediment and leaf litter accumulation where swale discharges into outfall pipe. Erosion from the road evident with sand accumulation	-72.984392	41.7652921
200	8/12/24	Yes	24	Poor	Non-existent	Flow observed, thick vegetation around outfall	-72.910905	41.7658365
201	8/12/24	Yes	16	Fair	Poor	Water diverted under street. Discharges into wooded area. Sediment accumulation in stream bed and minimal erosion control present	-72.984425	41.7653244
202	8/12/24	No	--	--	--	Unable to find a way to get closer to the outfall, thick vegetation surrounding it	-72.911253	41.7660779
203	8/12/24	Yes	18	Fair	Poor	Minimal erosion control present. Discharges into wetland area. Pipe is mostly under water.	-72.986201	41.7651275

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204	8/12/24	No	--	--	--	Located catch basin but could not locate outfall or any pipes leading to an outfall.	-72.911278	41.7705307
205	8/12/24	Yes	16	Good	Fair	Concrete pipe diverting water under road from swale. Vegetated swale with minimal erosion control.	-72.986184	41.7650591
206	8/12/24	Yes	--	In Need of Repair	Poor	Outfall pipe semi buried under sediment. Minimal erosion control, only grass and some vegetation	-72.986623	41.7650583
207	8/12/24	No	--	--	--	Able to locate catch basin and a stream within 20 feet but could not find the outfall in the thick vegetation.	-72.911358	41.7702562
208	8/12/24	Yes	16	Good	Fair	Flared end concrete outfall discharging water into a wetland/field area. Pipe is about half way filled with sediment. Minimal erosion control	-72.987026	41.7650606
209	8/12/24	No	--	--	Non-existent	Unable to locate outfall in thick vegetation. Found the catch basin and the general area of outfall.	-72.910207	41.7700302
210	8/12/24	Yes	24	Good	Fair	Flared end concrete outfall pipe with some rip rap present discharging into wetland area	-72.98671	41.7656005
211	8/12/24	No	--	--	--	Found the catch basin and a nearby stream but no outfall was located.	-72.910005	41.7693333
212	8/12/24	Yes	24	Good	Good	Concrete flared end pipe with good rip rap erosion control at the mouth. Diverts into wetland area	-72.985091	41.766747
213	8/12/24	Yes	32	Fair	Fair	Slow stream observed, rip rap may need to be updated.	-72.909881	41.7696719

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214	8/12/24	Yes	24	Good	Excellent –	Diverging of three outfalls flowing from wetland and a residential property up hill	-72.984533	41.7675863
215	8/12/24	Yes	6	Good	Excellent –	Excellent rip rap directing water to other outfalls.	-72.984446	41.7676684
216	8/12/24	No	--	--	--	Able to locate catch basin and potential outfall location was covered in organic debris.	-72.909991	41.7680998
217	8/12/24	Yes	24	Good	Good	Three diverging outfalls flow into this pipe and out to a wetland area. Vegetated erosion control and rip rap downstream	-72.984521	41.7678255
218	8/12/24	Yes	32	Poor	Poor	Flow observed with foam at the mouth of the pipe.	-72.910448	41.7682605
219	8/12/24	Yes	32	Fair	Non-existent	A stream flows into this outfall and goes into the catch basin on the other side of the street, and they out into the woods.	-72.910558	41.7679162
220	8/12/24	No	--	--	--	Outfall located on private property. Water was observed flowing into the catch basin across the street from a 4 inch pipe.	-72.911418	41.7679795
221	8/12/24	Yes	16	Good	Good	Hdpe pipe discharging water from up gradient. Good rip rap and erosion control.	-72.991142	41.7647757
222	8/12/24	Yes	24	Fair	Non-existent	No rip rap, the surround area was free of vegetation	-72.918532	41.7667932
223	8/12/24	Yes	--	--	--	Outfall located along someone’s driveway	-72.919055	41.764781
224	8/12/24	No	--	--	--	Unable to locate outfall due to thick vegetation	-72.91926	41.7673233
225	8/12/24	Yes	12	Poor	Non-existent	Metal pipe that was visibly bent and no riprap	-72.921249	41.7672247

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226	8/12/24	Yes	12	Poor	Non-existent	Pipe was more than halfway buried in sediment.	-72.922965	41.7674811
227	--	No	--	--	--	No catch basin anywhere near the point on the road, also located on someone's property	-72.920167	41.7706901
228	8/12/24	No	--	--	--	Unable to locate outfall. Deep into someone's residential property	-72.9921	41.7685157
229	8/12/24	Yes	--	--	--	Unable to locate exact location of pipe but did observed stream flow to wetland area	-72.994269	41.7639504
230	8/12/24	Yes	32	Good	Good	The two paired outfalls run a stream under the road.	-72.923343	41.7676795
231	8/12/24	Yes	32	Fair	Poor	The stream flows into this outfall	-72.923295	41.7675052
232	8/12/24	Yes	12	Poor	Non-existent	No rip rap, the curb directs the water on the other side	-72.92473	41.7683121
233	8/12/24	Yes	163	Good	Good	Corrugated metal pipe diverting water under road. Unable to observe exact location due to steep hill	-72.99113	41.7647007
234	8/12/24	Yes	24	Fair	Non-existent	No rip rap	-72.924385	41.768106
235	8/12/24	Yes	16	Good	Good	Corrugated metal outfall pipe diverting water under road into swale	-72.991048	41.7647912
236	8/12/24	No	--	--	--	Unable to observe exact location of outfall pipe. Behind residential properties	-72.993862	41.7667458
237	8/12/24	Yes	24	Fair	Poor	No rip rap	-72.925439	41.7685769
238	8/12/24	Yes	18	Good	Good	Good rip rap surrounding outfall. Some erosion control needed along bank of stream. Runs through resident property	-72.992123	41.7723767
239	8/12/24	Yes	12	In Need of Repair	Poor	The end of the pipe was extremely damaged, may need repair.	-72.926445	41.7686027

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240	8/12/24	Yes	60	Good	Good	Large culvert diverting stream under road. Good rip rap and erosion control present	-72.99397	41.777196
241	8/12/24	Yes	32	Fair	Non-existent	Metal pipe that appeared to be rusting, no riprap	-72.930345	41.7727341
242	8/12/24	Yes	--	Good	--	Unable to observe exact location of outfall. Across the road from the other culvert. Some rip rap observed	-72.993868	41.7773167
243	8/12/24	Yes	60	Good	Fair	End all observed to allow flow to be diverted under road. Unable to get to exact location of outfall due to dense vegetation.	-72.993875	41.7773892
244	8/12/24	No	--	--	--	Unable to locate the end of the pipe.	-72.930134	41.7717758
245	8/12/24	Yes	48	Fair	Fair	Could not get down to get a good look of the pipe. A stream runs through the paired outfalls	-72.930232	41.7718876
246	8/12/24	Yes	48	Fair	Fair	The stream flows into this outfall	-72.930336	41.7718438
247	8/12/24	Yes	16	Fair	Poor	Outfall diverting water under road. Minimal erosion control and the grass. Grass next to outfall is muddy	-73.004489	41.7774843
248	8/12/24	Yes	18	Fair	Fair	On other side of busy highway- difficult to get to. Observed minimal erosion control	-73.004241	41.7772145
249	8/12/24	Yes	12	Poor	Non-existent	Catch basin with no cover across the street from the outfall, pipe slightly buried in sediment	-72.930508	41.7734482

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250	8/12/24	Yes	24	Fair	Poor	Flared end concrete outfall in residential property. Discharges water from pond across the street into wetland area. Iron floc observed throughout discharge area	-73.004382	41.7791642
251	8/12/24	No	--	--	--	Located catch basin, outfall located on private property	-72.930482	41.7745585
252	8/12/24	Yes	--	Poor	Non-existent	Water could be heard running into catch basin, covered with a pallet.	-72.931087	41.7744025
253	8/12/24	Yes	36	Good	Good	Pond discharges to pitfalls that divert water under the road. Good rip rap observed.	-73.005446	41.7816065
254	8/12/24	Yes	36	Fair	Good	Next to adjacent outfall. This one has no flow due to vegetation and sediment accumulation directing flow to the other outfall.	-73.005465	41.781631
255	8/12/24	Yes	--	--	--	Was able to locate catch basin and general area of outfall, located on someone's property	-72.930441	41.7750697
256	8/12/24	Yes	36	Fair	Fair	Three large outfall pipes converging in one area. Only one has flow. Minimal erosion control from mouth to the stream bed. Some foam accumulation.	-73.005567	41.7815759
257	8/12/24	Yes	18	In Need of Repair	Poor	Outfall is in need or repair. Concrete/stones falling apart. Minimal rip rap	-73.006327	41.7842099
258	8/12/24	Yes	16	Fair	Good	Corrugated metal pipe diverts water under road. Filled with leaf litter debris	-73.007106	41.7846862
259	8/12/24	No	--	--	--	Unable to get exact location of outfall. On residential property	-73.006327	41.7844999

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260	8/12/24	Yes	--	Fair	--	Flow observed inside catch basin, outfall was too deep into the woods to locate exactly. Running stream could be heard	-72.932048	41.7709905
261	8/12/24	No	16	--	--	Unable to locate exact location of outfall pipe. On residential property and homeowners were home and did not want us on property during inspection.	-73.007637	41.7854637
262	8/12/24	No	--	--	--	Outfall on residential property. Can see the likely stone stream bed to the right that aligns with the catch basin. Likely discharges into woods	-73.008552	41.7860198
263	8/12/24	Yes	32	Fair	Poor	Outfall located at the end of a path in the woods. Flow observed	-72.93365	41.7704209
264	8/12/24	Yes	24	Good	Fair	Outfall pipe is under dense vegetation. Minimal rip rap observed	-73.006766	41.786813
265	8/12/24	Yes	--	Good	--	Unable to find exact location of outfall. It's located on residential property. Used imagery to determine approx. location and catch basin piping to determine flow	-73.00638	41.7867431
266	8/12/24	Yes	32	Poor	Non-existent	Sediment around the end of the pipe keeps water from flowing into the stream. An orange slime substance was observed.	-72.939999	41.7716932
267	8/12/24	Yes	--	--	--	Outfall too deep into woods to get good pictures of	-72.940574	41.7724681

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268	8/12/24	Yes	--	Good	Poor	Wetland area across theam street and runoff from road discharge into outfall. Discharges into residential property (Wake Robin Farm). Pipe was under dense vegetation	-73.013775	41.7831479
269	--	--	--	--	--	On farm Farmington Side	-73.014507	41.7862208
270	8/12/24	Yes	32	Poor	Poor	Could not locate pipe inside catch basin under sediment, rusted outfall pipe	-72.930755	41.7675993
271	8/12/24	Yes	12	Poor	Poor	Pipe appears to be buried under vegetation and sediment. Discharges into a residential field	-73.014371	41.7863046
272	8/12/24	Yes	12	Poor	Poor	Outfall pipe burning under leaf litter and sediment. Minimal erosion control in stream bed	-73.014546	41.7872467
273	8/12/24	Yes	24	Poor	Non-existent	Pipe and end wall half-buried in sediment	-72.930979	41.7663344
274	8/12/24	Yes	12	Good	Fair	Outfall pipe buried under dense vegetation and on a steep hill. Water discharges into wetland area	-73.014984	41.7889589
275	8/12/24	Yes	--	--	--	Located catch basin, outfall is on private property	-72.930247	41.7621125
276	8/12/24	Yes	16	Good	Poor	Endwall with concrete pipe diverting water under road. Minimal erosion control	-73.016144	41.7942565
277	8/12/24	Yes	18	Good	Good	Located on a steep hill. Diverts water under the road. Steady flow observed with good rip rap	-73.016545	41.7960678
278	8/12/24	Yes	12	In Need of Repair	Poor	Outfall pipe mostly filled with sediment. Minimal erosion control	-73.015441	41.7911714

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279	8/12/24	Yes	48	Fair	Non-existent	There is a metal pipe going through the outfall with large holes.	-72.939635	41.7625316
280	8/12/24	Yes	12	In Need of Repair	Poor	Outfall pipe mostly filled with sediment. Minimal erosion control	-73.016613	41.7963954
281	8/12/24	Yes	16	Fair	Fair	Outfall pipe under vegetation and sediment. Diverts water from under road into a wetland area	-73.016886	41.7982245
282	8/12/24	Yes	48	Fair	Non-existent	Further upstream the metal pipe was protected by wood and ran through the main outfall	-72.939603	41.7624129
283	8/12/24	Yes	24	Poor	Poor	Sediment observed in the end wall outfall	-72.946345	41.7621454
284	8/12/24	Yes	12	Fair	Poor	Pipe appears to be covered in vegetation. Flow observed with iron floc discharging into wetland area	-73.008924	41.7765042
285	8/12/24	Yes	18	Fair	Poor	Observed wetland flow going into outfalls and diverting it under the road. Minimal erosion control present.	-73.008561	41.7761933
286	8/12/24	Yes	18	Fair	Fair	Flow diverted under road into wetland area. Some rip rap at top of pipe but minimal at mouth. Some foam observed in ponding area	-73.008436	41.7762528
287	8/12/24	Yes	24	Poor	Non-existent	No riprap, sediment build up at the endwall	-72.94196	41.7618794
288	8/12/24	No	--	--	--	Was able to find the catch basin but unable to locate outfall pipe	-72.940116	41.7626955
289	8/12/24	Yes	16	Good	Fair	Hdpe pipe observed to collect wetland flow and diver it under the road. Pipe is covered in vegetation but not preventing flow.	-73.007625	41.7749096

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290	8/12/24	Yes	--	--	--	Unable to get to outfall due to thick vegetation	-72.949438	41.7613649
291	8/12/24	Yes	18	Good	Good	Good erosion control to prevent runoff from entering stream. Outfall pipe appears to be in good condition	-73.007471	41.7749377
292	8/12/24	Yes	32	Fair	Poor	Deep erosion beneath pipe	-72.953974	41.761571
293	8/12/24	Yes	--	Poor	--	Was able to locate catch basin, outfall was covered in thick vegetation	-72.954408	41.7627597
294	8/12/24	Yes	16	Good	Fair	Outfall pipe diverts water under road onto residential property. Swale collects water on side of road. Vegetation surrounds the pipe but minimal rip rap	-73.006342	41.7735255
295	8/12/24	Yes	48	Fair	Fair	The two outfalls are used to allow a stream to go under the road	-72.955491	41.7639516
296	8/12/24	Yes	36	Good	Fair	Two concrete outfall pipes diverting water under road. Steady stream flow with good rip rap. No erosion control for runoff from the road.	-73.004782	41.7706745
297	8/12/24	Yes	48	Fair	Fair	The stream flows into this outfall	-72.955495	41.7638406
298	8/12/24	Yes	36	Good	Fair	Two concrete outfall pipes with steady stream flow diverting water under road into stream. Discharge to wooded area in residential property	-73.004665	41.7707319
299	--	No	--	--	--	Unable to locate outfall. On residential property	-73.003938	41.7692436
300	8/12/24	No	--	--	--	Unable to locate catch basin or outfall behind persons house	-72.944385	41.7636479

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301	8/12/24	Yes	16	Good	Fair	Outfall pipe located in dense vegetation. Used information gathered from nearby Catchbasin to determine outfall conditions	-73.003075	41.7670467
302	8/12/24	Yes	18	Fair	Fair	Hdpe pipe mostly filled with sediment. Discharges water into wetland/wooded area. Minimal erosion control besides vegetation	-73.002976	41.7671966
303	8/12/24	Yes	--	Good	--	Unable to observe location of outfall pipe. Heard stream flow from connected catch basin. Steep hill and highly vegetated wetland area makes the outfall pipe hard to reach	-73.003495	41.764988
304	8/12/24	Yes	--	--	--	Found the catch basin but the outfall was behind someone's house	-72.944261	41.7639399
305	8/12/24	Yes	--	Good	--	Unable to find exact outfall location. Discharges into a wetland from connecting catch basin on a residential property.	-73.003937	41.7648164
306	8/12/24	Yes	32	Fair	Fair	Stream flowed into this outfall	-72.94338	41.7649484
307	8/12/24	Yes	--	--	--	Could not locate the exact pipe but could see the general area of where the outfall was	-72.943141	41.7650378
308	8/12/24	No	18	Good	--	Unable to find outfall pipe, on residential property. Used satellite imagery to find approximate location. Corrugated metal pipe from connected catch basin flowing	-73.002049	41.7646679
309	8/12/24	Yes	24	Poor	Non-existent	No riprap, sediment build up and standing water	-72.943085	41.765487

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310	8/12/24	Yes	--	In Need of Repair	Fair	Outfall pipe appears to be buried under sediment. Diverts water under the road into the pond.	-73.002684	41.7583866
311	8/12/24	Yes	12	Fair	Fair	Outfall to allow water to pass under driveway	-72.948688	41.7590517
312	8/12/24	Yes	18	Good	Good	Water diverted under road from pond to wooded wetland area. Corrugated metal pipe with good rip rap.	-73.002582	41.7583043
313	8/12/24	Yes	18	Good	Fair	Pipe that discharges water from up gradient. Flows into same stream/wooded area as other outfall. Small dam of rip rap to prevent erosion.	-73.002803	41.7582293
314	8/12/24	Yes	12	--	Fair	Good erosion control at beginning, bad erosion down the bed of the dry stream	-72.957199	41.765214
315	8/12/24	Yes	16	Good	Good	Flared end concrete outfall observed to have good rip rap. Diverts water to connected catch basin and under road.	-73.006502	41.7566851
316	8/12/24	Yes	24	Fair	Fair	Good erosion control at the end of the pipe, bad erosion down further	-72.957241	41.7651523
317	8/12/24	Yes	12	Fair	Fair	Endwall that allows water to flow under the street to a catch basin, which is connected to the outfall across the street	-72.957375	41.7652683
318	8/12/24	Yes	24	--	Fair	Water flows into this pipe and under the street	-72.957699	41.7650357
319	8/12/24	Yes	36	Good	Good	Large concrete flared end discharges water from catch basins into wooded area that eventually flows to pond. Good rip rap observed	-73.007327	41.7555665

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320	8/12/24	No	--	--	--	Unable to locate outfall. Used catch basin to determine connection. Located on residential property.	-73.006791	41.7560554
321	8/12/24	Yes	24	Fair	Poor	Water flows out of endwall located on a steep slope	-72.955649	41.7674942
322	8/12/24	No	--	--	--	Unable to find outfall. On residential property. Used satellite imagery and catch basin connection to determine approximate location	-73.005609	41.7565679
323	8/12/24	Yes	12	Fair	Poor	Lots of sand at the end of the pipe	-72.955169	41.7690537
324	8/12/24	Yes	12	Fair	Poor	Thick vegetation covering area, no riprap observed	-72.954766	41.7699716
325	8/12/24	Yes	24	Good	Good	Observed outfall pipes connecting two ponds under the road. Exact location of outfall pipes not found due to high water table	-72.996721	41.7583936
326	8/12/24	Yes	24	Good	Good	Observed outfall pipes connecting two ponds under the road. Exact location of outfall pipes not found due to high water table	-72.99646	41.7583541
327	8/12/24	No	24	Good	Good	Unable to find exact location of outfall due to high water table in pond	-72.996931	41.7576951
328	8/12/24	Yes	12	Fair	Fair	Overgrown vegetation	-72.961981	41.7681505
329	8/12/24	Yes	32	Fair	Poor	A very slow flow of water coming out of the pipe, another pipe a little further up had water rushing out of it	-72.962527	41.767214

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330	8/12/24	Yes	18	Good	Fair	Connecting catch basin used to determine pipe size. Outfall is located on a steep hill and the stream bed is highly vegetated with some wood chips as erosion control. Unable to find exact location of outfall pipe	-72.991364	41.7593635
331	8/12/24	Yes	--	Fair	Fair	Water flows into the outfall pipe from the woods and into the catch basin	-72.96343	41.7660453
332	8/12/24	No	--	In Need of Repair	--	Outfall connected by catch basin on street discharges onto residential property. Found possible location for outfall. Might be buried under sediment/leaf litter	-72.990709	41.7605314
333	--	No	--	--	--	Connecting catch basin shows a 24 inch concrete pipe going into the wooded area on residential property	-72.989228	41.7613468
334	8/12/24	No	--	--	--	Unable to find exact location of outfall. Approximate location behind residential property house where the connecting catch basin discharges water to wooded area	-72.989911	41.7592977
335	8/12/24	No	--	--	--	Unable to find exact location of outfall. Approximate location behind residential property house where the connecting catch basin discharges water to wooded area	-72.988165	41.76095

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336	8/12/24	Yes	18	Good	Good	Outfall pipe discharges into wetland area. Unable to see outfall location due to high water table	-72.991091	41.7554981
337	8/12/24	Yes	18	Good	Good	Unable to see outfall pipe due to dense vegetation. Heard flow on rip rap.	-72.99093	41.7556641
338	8/12/24	Yes	18	Good	Good	Unable to see outfall pipe but was able to locate stream flow. Discharges into dense wetland area. Iron follow observed	-72.991921	41.7554107
339	8/12/24	Yes	18	Good	Good	Unable to see outfall pipe but was able to locate stream flow. Discharges into catch basin from dense wetland area.	-72.9918	41.7552861
340	8/12/24	Yes	16	Poor	Poor	Outfall pipe appears to be buried under sediment. Minimal erosion control present. Water discharges into open field	-72.997125	41.7563337
341	8/12/24	Yes	--	In Need of Repair	Non-existent	Outfall/catch basin completely filled with sediment.	-72.994926	41.7525007
342	8/12/24	No	--	--	--	Unable to find outfall. The connecting catch basin is filled with sediment. This is the approximate location of the outfall based on satellite images	-72.995854	41.7524976
343	8/12/24	Yes	16	In Need of Repair	Non-existent	Outfall is semi blocked by sediment and leaf litter. Minimal erosion control to prevent runoff from eroding the side of the road and into the outfall	-72.994736	41.7522659

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344	8/12/24	Yes	16	In Need of Repair	Non-existent	Outfall is semi blocked by sediment and leaf litter. Minimal erosion control to prevent runoff from eroding the side of the road and into the outfall	-72.994857	41.7522503
345	--	No	--	--	--	Determined to have different location	-72.995854	41.7524976
346	8/12/24	Yes	--	In Need of Repair	Non-existent	*possibly not an outfall* the nearest catch basin is filled with sediment and leaf litter making connection hard to determine. Area is densely filled with leaf litter and could possibly have a buried outfall. Shows signs of flow however no pipe found	-72.994313	41.7511827
347	8/12/24	Yes	24	Fair	Fair	Pipe appears to take a 45 degree angle in between the catch basin and the outfall	-72.967643	41.7675215
348	8/12/24	No	18	Good	Good	Unable to find exact location of outfall. Used connecting catch basin to determine general location. Likely under dense vegetation	-72.99315	41.7494074
349	8/12/24	No	--	--	--	Found the catch basin but could not locate outfall	-72.968739	41.7676181
350	8/12/24	Yes	12	In Need of Repair	Non-existent	Outfall filled with sediment and leaf litter debris.	-72.990915	41.7486065
351	8/12/24	Yes	--	--	--	Located the catch basin and saw that the outfall was located on private property	-72.967436	41.7653525
352	8/12/24	Yes	12	In Need of Repair	Poor	Outfall appears to be completely buried under sediment and leaf litter	-72.990822	41.7481635

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353	8/12/24	Yes	24	Good	Good	Concrete flared end outfall diverts water under road. Good rip rap present. Some leaf litter accumulation	-72.990654	41.7500221
354	8/12/24	Yes	24	Fair	Fair	Slow/steady discharge	-72.960044	41.7658287
355	8/12/24	Yes	24	Good	Fair	Unable to observe outfall pipe. Located on a steep hillside. Observed stagnant water with minimal rip rap	-72.99081	41.7501754
356	8/12/24	Yes	24	Fair	Fair	Water flowing from the outfall next it and into this outfall	-72.960079	41.7658073
357	8/12/24	Yes	24	Fair	Non-existent	Small body of water under the endwall, about 2-3 feet deep	-72.959983	41.765706
358	8/12/24	Yes	24	Fair	Fair	The two outfalls allow a stream to run under the road	-72.961832	41.7617133
359	8/12/24	Yes	18	In Need of Repair	Good	Concrete flared end outfall filled with rip rap and leaf litter. Discharges to catch basins on street	-73.000928	41.7713301
360	8/12/24	Yes	24	Fair	Poor	Natural stream flows out of the outfall	-72.961707	41.7617767
361	8/12/24	No	18	--	--	Unable to find exact location of outfall. Connecting catch basin used to determine size and general direction of outfall. Likely discharges into wetland area in between two residential properties	-72.99922	41.7714774
362	8/12/24	Yes	12	Poor	Poor	Sediment build up in the pipe	-72.961628	41.7603613
363	8/12/24	Yes	12	Poor	Non-existent	Sediment build up in the outfall, inlet was overgrown	-72.961905	41.7592267
364	8/12/24	Yes	16	Poor	Good	Outfall discharges into a pond area. Pond is covered in green algae. Good rip rap along the outfall but the outfall pipe seems to be crumbling	-73.009742	41.7770173

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365	8/12/24	No	--	In Need of Repair	Non-existent	Found the catch basin to be full of sediment above the pipe, could not locate outfall across the street	-72.962377	41.7570384
366	8/12/24	Yes	6	Good	Good	Water from pond discharges through the grass to stone outfall pipe	-73.009307	41.7769193
367	8/12/24	Yes	--	Good	--	Unable to find exact location of outfall pipe, underneath dense vegetation. Diverts water from wetland across the street under road	-73.010295	41.7768719
368	8/12/24	No	12	In Need of Repair	Non-existent	I was able to just barely see the top of the pipe in the catch basin due to sediment build up, could not find the outfall	-72.962388	41.75607
369	8/12/24	Yes	12	Good	Poor	Hdpe flared end pipe diverts water under road	-73.010328	41.7767283
370	8/12/24	No	24	--	Non-existent	Found the catch basin, the outfall was too far in the woods to find	-72.961572	41.7550234
371	8/12/24	Yes	12	Poor	Poor	Outfall almost buried in sediment	-72.961375	41.754462
372	8/12/24	Yes	12	Poor	Non-existent	Outfall full of sediment	-72.960457	41.7534084
373	8/12/24	Yes	24	Fair	Poor	No sediment build up or thick vegetation	-72.959407	41.7525483
374	8/12/24	Yes	24	Poor	--	Found catch basin, outfall was hidden in thick vegetation on a steep slope	-72.958984	41.7521513
375	8/12/24	No	24	--	--	Unable to find exact location of outfall. Used connected catch basin and satellite imagery to determine general location. Likely deep behind wooded area in between residential properties	-72.97288	41.7610696
376	8/12/24	Yes	24	--	--	Found the catch basin, outfall located on someone's property	-72.960175	41.7498641

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377	8/12/24	Yes	24	--	--	Outfall located on someone's property	-72.964176	41.7484604
378	8/12/24	Yes	32	Fair	Fair	Thick vegetation around outfall	-72.963097	41.7487593
379	8/12/24	Yes	24	Fair	Fair	Didn't have time to take more detailed pictures, home owner was waiting on me	-72.963101	41.7489375
380	8/12/24	Yes	24	Good	Good	Good rip rap observed near concrete outfall. Leaf litter accumulation present. Diverts water under road	-72.962997	41.7501399
381	8/12/24	Yes	24	Good	Fair	Concrete outfall pipe observed to have some rip rap at mouth but minimal where the runoff from the road flows towards the stream	-72.963053	41.7499923
382	8/12/24	Yes	12	Good	Good	Hose pipe observed to have some rip rap to prevent erosion. Located on residential property	-72.964738	41.7506236
383	--	--	--	--	--	Unlikely to be an outfall, no connecting catch basins	-72.964585	41.7508781
384	8/12/24	Yes	12	Poor	Non-existent	Concrete pipe discharges onto CT State Land in a wetland area. No erosion control and semi filled with sediment	-72.957673	41.7503399
385	8/12/24	Yes	16	Fair	Fair	Hdpe pipe discharging into wooded area. Rip rap present but the outfall has eroded the soil near the mouth.	-72.941266	41.7516062