



**Town of Essex, Connecticut
2023 Annual Report**

**General Permit for the Discharge of Stormwater
from Small Municipal Separate Storm Sewer Systems (MS4)**

Permit Number GSM 00019

MS4 General Permit
Town of Essex 2023 Annual Report
Permit Number GSM 000019
January 1, 2023 – December 31, 2023
Primary MS4 Contact:

Lisa Fasulo, MPH, REHS/RS, Director of Health / Sanitarian, 860-767-4340 x 118, lfasulo@essexct.gov

This report documents Town of Essex's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2023 to December 31, 2023.

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	2023 Monthly Facebook Recycling and Environmental postings. Published on social media and town website a reminder about car washing activities, animal waste clean-up and proper removal and disposal of leaves and other vegetation and to prevent debris from entering the MS4. Link to information on free compost collection at the Essex Landfill station.	Facebook page and Town website.	Facebook Page and Town website.	Facebook posts have reached over 200 people per post.	Impacts to stormwater from web-based personal waste / recycling programs, animal waste clean-up and car washing activities.	Administrative Assistant to the Selectman: Alyson Finnegan / Health Department: Lisa Fasulo	

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(2)	Stormwater News Article in Essex News.	Town-wide email submittal.	Essex News subscribers and Town Website	Over 1,476 email addresses were sent with a 62.5% "open" rate (922 people).	Webpage "Open" rate of 62.5%	Administrative Assistant to the Selectman: Alyson Finnegan / Health Department: Lisa Fasulo	
1-1(3)	Updated Stormwater Brochure	Outside Essex Town Hall Voting Booth area on November 8, 2023	Brochure handouts	Approximately 20 citizens picked up the brochure and asked questions.	Approximately 20 citizens picked up the brochure and asked questions.	Health Department: Lisa Fasulo	
1-2 Address education/ outreach for pollutants of concern	Town of Essex Community Resiliency Building Workshop.	Town of Essex embarked on a certification via Sustainable CT. As part of that certification, Sustainable CT and the Nature Conservancy provided the Town with a voluntary process to conduct an assessment of Climate Change impacts. In August 2019, a municipal-based core team organized a Community Reliance Building Workshop facilitated by the Nature Conservancy in Partnership with Sustainable CT.	Town Meetings and Email Correspondence	Town Members	On-Going	Town Members	

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 Car and Truck Washing Events	Published Car and Truck washing prohibited on impervious surfaces.	Posted vehicle washing recommendations on town web site and Facebook page. Residents should avoid having car washes on impervious surfaces.	Essex News subscribers and Town Website	The Town continues to educate residents to wash their cars and boats on grassy or crushed stone areas.	On-Going	Administrative Assistant to the Selectman: Alyson Finnegan / Town Members	
1-4 Pet Wastes (Pick Up)	Published pet waste removal from Public Areas (i.e. Parks)	Posted signage in parks and public areas and on town web site and Facebook page. Residents request to pick up after your pet.	Facebook posts on <i>People of Essex, CT</i> page documents the ongoing dialog and conversation about pet waste.	The Town provides pet-waste bags in municipal-owned parks and continues to educate residents about picking up after pets.	On-Going	Town Members	
1-5 Address education/ outreach for pollutants of concern*	Due to the continued Covid-19 precautionary behaviors, which include limited public contact in buildings, schools, town fairs and events, minimal public outreach occurred in 2023.	N/A	N/A	N/A	N/A	N/A	

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

Continued support of Sustainable CT and the Stormwater MS4 Working Group.
Continued Facebook posts regarding material recycling and MS4 Issues.
Continue Town Web Page regarding MS4 Activities.
Continue Quarterly MS4 Committee Meetings
Continue to pursue other public activities and groups to participate in MS-4 activities.

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	On-Going	Publicly available SWMP.	Final SWMP.	Town of Essex	Completed on March 23, 2017	Town Hall and Town Website http://essexct.gov/	Review SMP Annually by Feb 15
2-2 Comply with public notice requirements for Annual Reports (annually by 2/15)	On-Going	Public Notice available	45-day Public Notice	Town of Essex		Hartford Courant	
2-3 Town of Essex Stormwater (MS4) Working Group	Quarterly Meetings	Committee Members Identified	Provide forum to coordinate SWMP implementation across departments and commissions	Town Planner: John Guskowski DPH: Lisa Fasulo Town Engineer: Robert Doane	On-Going	Email Solicitations	Reason for addition: Committee will represent town departments & commissions with stake in stormwater management.
2-4 Town of Essex Stormwater (MS4) Working Group	Quarterly Meetings Minutes	Committee Members	Minutes are posted on Town Web page and available to the public.	Administrative Assistant to the Selectman: Alyson Finnegan	After every quarterly meeting.	Town Hall and Town Website http://essexct.gov/	

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

Hold quarterly stormwater committee meetings to review SMP implementation progress.
Provide availability of the Stormwater Management Plan to public.
Provide availability of Annual Report and comments announced to public.

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 (Due 7/1/19)	Completed	Town completing the written IDDE program using the CT IDDE program template	Written Plan Prepared	Essex DPW: Ryan Welch Essex Health Dept: Lisa Fasulo	Jul 1, 2018	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	100% Complete	Editing and finalizing the remaining interconnections and CBs.	100% Complete	MapGEO Essex DPW: Ryan Welch Health Dept: Lisa Fasulo	August 2020	
3-3 Implement citizen reporting program (Ongoing)	On-Going	Designed a public comment / reporting on MS4 webpage.	100% Complete	MapGEO Essex DPW: Ryan Welch Health Dept: Lisa Fasulo Administrative Assistant to the Selectman: Alyson Finnegan	March 2020	There are multiple ways in which citizens can report any concerns, including IDDE, to the Town Authorities. (1) Citizens can report directly to the Essex Health Dept by phone, email or in person at the Health Dept Office. (2) There have been a few instances where citizens called the Selectman's office or Land Use Office who then referred the caller to the Health Dept. (3) Alternately, citizens can go to the Town of Essex website and under the Quick Links tab, select REPORT A CONCERN https://www.essexct.gov/home/webforms/report-a-concern
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	Completed	Completed	Written ordinance	Town Officials	February 2019	

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 (Due 7/1/17)	Completed	Prepared dry and wet inspection sheets and MS4 documentation.	Completion	Essex DPW: Ryan Welch Health Dept: Lisa Fasulo	March 2022	
3-6 Address IDDE in areas with pollutants of concern	On-Going	Completed final 1/2 of outfall dry inspections.	Completed dry inspections	MapGEO Essex DPW: Ryan Welch	March 2023	

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

The written IDDE Plan / program will be posted to the Town of Essex webpage and a link listed in 2021 Annual Report; will update the written IDDE program as needed throughout the permit term.

Illicit discharges are called into the town. Town assistant records call and the town public works department is sent in to investigate. Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process and can log in future IDDE reports.

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)

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
The Health Dept uses a permit tracking system to document failures and all corrective actions as required by CT Public Health Code Section 19-13-B103a and 19-13-B104.	17 Dickinson Lane Failure – During yard re-grade	Repair septic system	None	Health Dept: Lisa Fasulo
	9 Harbor View	Failure - dbox & distribution pipe	None	Health Dept: Lisa Fasulo
	7 Hudson Lane	Failure - breakout on lawn	Possible MS4 impacted waterbody	Health Dept: Lisa Fasulo
	56 West Hills Road	Failure - dbox & sewer pipe	None	Health Dept: Lisa Fasulo
	17 North Main Street SX	Failure - dbox	None	Health Dept: Lisa Fasulo
	26 Parker Terrace	Failure - broken tank	None	Health Dept: Lisa Fasulo
	1 Bundy Hill Road	Failure - broken sewer pipe & dbox	None	Health Dept: Lisa Fasulo
	147 Main Street - Ivoryton	Failure - cracked tank.	None	Health Dept: Lisa Fasulo
	57 Main Street – Ivoryton	Failure - broken tank & dbox	None	Health Dept: Lisa Fasulo
	48 Lynn Road	Failure - broken dbox	None	Health Dept: Lisa Fasulo
	45 Westbrook Road	Failure - breakout on lawn	Possible impacted MS4 waterbody	Health Dept: Lisa Fasulo
	13 Highland Terrace	Failure - broken tank	None	Health Dept: Lisa Fasulo
	3 Nutmeg Lane	Failure - dbox & distribution pipe	None	Health Dept: Lisa Fasulo
	19 West Hills Road	Failure - cracked tank.	None	Health Dept: Lisa Fasulo
	21 Harbor View S	Failure – leaking tank.	None	Health Dept: Lisa Fasulo

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
Septic Repair and Minor Modifications	42 Prospect Street	home renov & addition	None	Health Dept: Lisa Fasulo
	31 Old Deep River Road	home renov & additional apartment	None	Health Dept: Lisa Fasulo
	6 Hickory Lane	deck addition	None	Health Dept: Lisa Fasulo
	6 Bank Lane	home renov & addition	None	Health Dept: Lisa Fasulo
	68 Comstock Avenue	very old septic system; update to current Code	None	Health Dept: Lisa Fasulo
	54 Main Street SX	Replace Cast Iron Sewer pipe with PVC per Code	None	Health Dept: Lisa Fasulo
	7 Clark Lane	home renov & addition	None	Health Dept: Lisa Fasulo
	67 Main Street CTBK	Replace 2 undersized tanks with 1 new larger tank	None	Health Dept: Lisa Fasulo
	16 Grove Street	Replace dbox & PVC distribution pipe for future ADU	None	Health Dept: Lisa Fasulo
	12 Maple Avenue	Property Tsfr - install new system to meet Code	None	Health Dept: Lisa Fasulo
	26 Harbor View	Property Tsfr - install new septic tank to meet Code	None	Health Dept: Lisa Fasulo
	18 Hemlock Drive	Relocate sewer line to accommodate new pool	None	Health Dept: Lisa Fasulo
	5 Main Street CTBK	Reconfigure grease tank & PVC to meet Code	None	Health Dept: Lisa Fasulo
	91 Pond Meadow Road	home renov & addition	None	Health Dept: Lisa Fasulo
	14 Comstock Avenue	very old septic system; update to current Code	None	Health Dept: Lisa Fasulo
	5 Book Hill Road	home renov, addition & new ADU	None	Health Dept: Lisa Fasulo
New Construction & Major Modifications	79 North Main Street - Ivoryton	New construction	None	Health Dept: Lisa Fasulo
	13 Dogwood Drive	Home expansion & complete renovation	None	Health Dept: Lisa Fasulo
	42 South Main Street	Home expansion & complete renovation	None	Health Dept: Lisa Fasulo
	43 Bokum Road	New construction	None	Health Dept: Lisa Fasulo
	6 Budney Hill Road	New construction	None	Health Dept: Lisa Fasulo
	83 Westbrook Road	New construction	None	Health Dept: Lisa Fasulo

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

The Health Dept uses a permit tracking system to document failures and all corrective actions as required by CT Public Health Code Section 19-13-B103a and 19-13-B104. This system has successfully implemented and tracked the required repairs or modifications to septic system issues for the town.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	207
Estimated or actual number of interconnections	18
Outfall mapping complete	100%
Interconnection mapping complete	100%
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	25
Catchment investigations complete	400
Estimated percentage of MS4 catchment area investigated	75%

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).

Two Public Works employees are trained to recognize IDDE issues including IDDE identification, potential catchment basin and outfall repairs and sediment loading. These employees perform CB and Outfall inspections throughout the town. IDDE Training is given annually by the Town Garage (Public Works) Director and the environmental consultant.

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 (Due 7/1/20)	Ongoing	Specific LID Requirements		Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch Essex Health Department – Lisa Fasulo	July 1, 2019	
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	Ongoing	Stormwater MS4 Working Group		Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch Essex Health Department – Lisa Fasulo	Completed and Ongoing	
4-3 Review site plans for stormwater quality concerns (Ongoing)	Ongoing	Stormwater MS4 Working Group		Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch Essex Health Department – Lisa Fasulo	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
4-4 Conduct site inspections (Ongoing)	Ongoing	<ul style="list-style-type: none"> • Inspect <u>Heron Pond</u> (SW detention) • Inspect <u>36 Pratt Street</u> (oil/water separator) • Inspect <u>Stonebrook Drive</u> stormwater recharge system • <u>43 Bokum Road</u> a 8.9 acre construction project will erect 28,000 sq ft and 24,480 sq ft commercial building and associated site work within 100 feet of a wetlands and with both temporary and permanent impacts to a wetlands. 	Inspections Completed	Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch Essex Health Dept. – Lisa Fasulo	Ongoing	<p><u>Heron Pond</u> clean out on 03/30/22.</p> <p><u>36 Pratt Street</u> Oil/water Separator – Inspection on 07/20/22</p> <p><u>Stonebrook Drive</u> recharge inspection on 05/12/22.</p> <p><u>57 Main Street Ivoryton</u> (building renovation adjacent to Falls River) – inspect E&S controls frequently</p> <p><u>4 Essex Glen</u> (ongoing large site development project) – inspect E&S controls & detention pond frequently.</p> <p><u>43 Bokum Road</u> - inspect E&S controls frequently</p>
4-5 Implement procedure to allow public comment on site development (Ongoing)	Ongoing	Stormwater MS4 Working Group		Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch Essex Health Dept. – Lisa Fasulo	Ongoing	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	Ongoing	Section 82 of the Zoning Regulations	Land Use Regulation Completed	Land Use Office – Carey Duques Town Engineer – Robert Doane	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
4-7 Develop stormwater compliance checklist	In progress	Developing checklist to provide developers on stormwater management compliance requirements	LID checklist (attached)	Land Use Office – Carey Duques	Jul 1, 2018	The existing Zoning and Inland Wetlands Regulations are routinely enforced by Town staff for all approved Wetlands and P & Z applications that are under construction.
4-8 New Developments That Have Been Reviewed for MS4 / E&S Control Plans.	In progress	<p>Provide developers information on stormwater management compliance requirements:</p> <p><u>6 Budney Hill Road</u> – New Single Family Home</p> <p><u>11 Earl Street (Centerbrook)</u> - New Single Family Home. E&S- silt fence; proposed an infiltrator and yard drain.</p> <p><u>43 Bokum Road</u> - Retaining wall and Building 1- 28,770 Sq ft building as shown on approved plans. E&S- silt fence; retention basins/stormwater wetlands being created; hydrodynamic separators to be installed.</p> <p><u>8 Heron Pond Road</u> - New Single Family Home. E&S- silt fence.</p> <p><u>54 Main Street</u> - Renovations to existing boathouse and landscaping. June 2023 completed.</p> <p><u>46 Main Street</u> - Demo of an existing garage and addition of sunroom.</p> <p><u>130 Mares Hill Road</u> - New Single Family Home. E&S- silt fence.</p> <p><u>13 Novelty Lane</u> - Removal of pavement and replacement with sod; creation of pervious driveway for access to boat slips. E&S- silt fence.</p>	Standardize Plan Review	Land Use Office – Carey Duques Town Engineer – Robert Doane	<p>Ongoing</p> <p>10/25/23</p> <p>01/23/23</p> <p>03/20/23</p> <p>10/05/23</p> <p>05/09/23</p> <p>Under Review</p> <p>Under Review</p> <p>Under Review</p>	Reason for addition: Make it easier to ensure compliance with stormwater regulations

		<u>20 River Road</u> - Dredging existing pond, renovating house including raising the structure, inground pool construction. E&S- silt fence; pond dredged for more capacity. <u>River Road Sidewalk Project</u> - Construct new sidewalk along River Road from Falls Rover bridge to Heritage Cove. E&S- silt fence hay bales; installation of CBs with deep sumps. <u>42 South Main Street</u> - Addition to existing single-family home. E&S- silt fence; roof drains existing to the lawn. <u>83 Westbrook Road</u> - 10,000 sq ft athletic facility. E&S- silt fence; bioretention basin proposed to handle roof drains.			04/01/22 Under Review 01/30/24 03/14/23	
--	--	--	--	--	--	--

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

Continue to inspect and perform maintenance on Town-owned stormwater features such as detention ponds, oil/water separators and infiltration galleries. The Town of Essex Land Use Office and Engineering Department require any new proposed Site Plans to comply with the Planning and Zoning LID regulation requirements. The Town of Essex Land Use Department Officer, or his designee, inspects all construction sites a minimum of once a week or as necessary.

The Town of Essex Land Use and Town Engineer require any new proposed Site Plans to comply with the current CTDEEP Erosion and Sediment Control and LID regulation requirements.

Integrate stormwater compliance checklist into review process completed.

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)	Ongoing	Article IV Section 608 Drainage and Stormwater Control regulations	Written Zoning Regulations - Completed	Land Use Office – Carey Duques	Ongoing – Beginning date July 1, 2021	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Ongoing	Article IV Section 608 Drainage and Stormwater Control regulations	Written Zoning Regulations - Completed	Land Use Office – Carey Duques	Ongoing – Beginning date July 1, 2019	
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	Ongoing	Heron Pond (stormwater detention pond) 36 Pratt Street Oil/water separator Stone Brook Drive Recharge/Infiltration Gallery.	Annual and Semi-annual Maintenance activities	Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch	Ongoing beginning Jul 1, 2019	Heron Pond (stormwater detention pond) clean out on 03/30/22 . 36 Pratt Street Oil/water Separator – Inspection on 07/20/22 . Stonebrook Drive recharge inspection 05/12/22 .
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	Ongoing	Heron Pond (stormwater detention pond) 36 Pratt Street Oil/water separator Stone Brook Drive Recharge/Infiltration Gallery.	Annual and Semi-annual Maintenance activities	Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch	Ongoing beginning Jul 1, 2019	Heron Pond (stormwater detention pond) 36 Pratt Street Oil/water Separator Stonebrook Drive recharge system.

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
5-5 DCIA mapping (Due 7/1/20)	Complete	DCIA Mapping and Report Completed	Town-wide DCIA estimated at 6.78%	Land Use Office – Carey Duques Town Engineer – Robert Doane AppGEO	Completed June 12, 2020	
5-6 Address post-construction issues in areas with pollutants of concern	Ongoing	None	Reduction DCIA by 2% per year.	Land Use Office – Carey Duques Town Engineer – Robert Doane AppGEO		Current (2023) DCIA – 6.8%

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

Six new septic systems were designed and completed for new construction in 2023. Four of these are new construction developments. The Town of Essex Land Use and Town Engineer require any new proposed Site Plans to comply with the current Stormwater Erosion and Sediment Control and LID regulation requirements.

The Town of Essex Public Works department maintains the stormwater retention ponds, oil/water separators and infiltration galleries.

5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit [ma1](#). Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	1, 507.67 acres
DCIA disconnected (redevelopment plus retrofits)	0 acres this year / acres total
Retrofit projects completed	None
DCIA disconnected	6.78% this year / % total since 2012
Estimated cost of retrofits	\$0
Detention or retention ponds identified	Three (3) this year /# total

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

To estimate the DCIA % for the town, the total acres of catchment areas (1,507.67 acres) and impervious cover within those catchments (250.52 acres) were used to get the towns IC% (16%). Equation 3 was used as an average for all the catchments to estimate the town's DCIA% to be **6.78%**.

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)	Ongoing	Perform Training Program	Annual training Performed on 11/09/22.	Essex DPW – Ryan Welch	Essex DPW Ongoing	
6-2 Implement MS4 property and operations maintenance (Ongoing)	Complete Heron Pond (stormwater Detention pond) 36 Pratt Street Oil/water separator Stone Brook Drive Recharge/Infiltration Gallery.	Annual and Semi-annual Maintenance Activities.	Ongoing Beginning July 1, 2018	Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch	Ongoing Annual Maintenance Activities	
6-3 Implement coordination with interconnected MS4s	Ongoing	Wet and Dry Outfall Inspections to verify interconnected MS4s	Identify MS4s Interconnections.	Essex DPW – Ryan Welch	Ongoing	
6-4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing	Industrial stormwater permit compliance at Town Garage.	Complete - Compliance with Industrial Stormwater General Permit Criteria	Essex DPW – Ryan Welch Health Dept – Lisa Fasulo	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
6-5 Evaluate additional measures for discharges to impaired waters*	Ongoing	There are no impaired waterways identified for the Town of Essex	Not specified	Essex DPW – Ryan Welch Health Dept – Lisa Fasulo	Ongoing	There are no impaired waterways identified for the Town of Essex
6-6 Track projects that disconnect DCIA (Ongoing)	Ongoing	Installation of (4) Drywells		Town Engineer – Robert Doane Essex DPW – Ryan Welch AppGEO	Ongoing	
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Ongoing Catchment basin	Eighteen (18) CB were repaired during 2023.	Eighteen (18) CB were repaired during 2023.	Essex DPW – Ryan Welch	November 1, 2023. Continue inspecting and Repairing CBs in town.	
6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	Not started yet				July 1, 2020	
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Ongoing				July 1, 2022	
6-10 Develop/implement street sweeping program (Ongoing)	Ongoing	Street Sweeping Report attached.	Completed 2023 Street Sweeping Program.	Essex DPW – Ryan Welch	Completed 2023 Street Sweeping Program	

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)	Ongoing (Annual program)	340 catch basins cleaned (out of 965 total)	340 catch basins Cleaned in 2022.	Janet Sweeping Company	July 2023.	
6-12 Develop/implement snow management practices (Due 7/1/18)	Ongoing	Snow management practices began in 2019 including snow disposal locations, reduced sand spreading operations and use of treated "brown" salt materials.	Snow Management Plan (2020)	Essex DPW – Ryan Welch	Snow Management Plan (2020)	

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

Inventory and Map erosion areas in Town ROW to reduce the sediment that may be entering the Town MS4 system. Continue infrastructure repair and rehabilitation, street sweeping, catch basin cleaning and snow management practices. The town will continue to track illicit discharges and sanitary sewer system failures / repairs.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	(Yes) / December 19, 2023
Street sweeping	
Curb miles swept	84 miles
Volume (or mass) of material collected	500 yards of debris collected in 2023.
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	200
Total catch basins town- (or institution-) wide	950
Catch basins inspected	18

Catch basins cleaned	340
Volume (or mass) of material removed from all catch basins	500 yards
Volume removed from catch basins to impaired waters (if known)	NA
Snow management	
Type(s) of deicing material used	Blizzard Wizard (treated sugar cane molasses salt) and Washed winter road sand.
Total amount of each deicing material applied	88 tons – Blizzard Wizard 264 tons – Washed winter road sand
Type(s) of deicing equipment used	Town-owned Spreader / Jet Sanders
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	84 miles
Snow disposal location	1. Bushnell Park Parking Lot 2. Comstock Field (50 Park Road)
Staff training provided on application methods & equipment	On the Job training
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	100%
Reduction in turf area (since start of permit)	acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	\$0

6.4 Catch basin cleaning program

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

The Town of Essex retains the services of Janet Sweeping Company, Meriden Connecticut. The Department of Public Works oversees the catch basin cleaning activities and attempts to complete a third of the CBs in one year (approximately 350/year). The Town of Essex completed 340 CB cleanings in 2023.

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 of Essex will utilize the DCIA map and new zoning regulations to prioritize the Retrofit Program. Any new project that is anticipated to be undertaken will be evaluated for possible retrofit to remove impervious surfaces with low LID projects. The responsible departments will review any projects that may be used as retrofit projects.

Responsible Department: Engineering, Public Works

Administration Measurable Goal: Develop a list of possible retrofit projects.

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 of Essex Planning and Engineering Departments require any new proposed Site Plans to comply with the Planning and Zoning LID regulation requirements.

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.

According to the MS4 map viewer described above and the CTDEEP 2020 IWQR, there are no priority impaired or TMDL Impaired waterways / waterbodies located in the Town of Essex. The Town of Essex monitors six (6) outfalls for bacteria (E. coli), Nitrogen and Phosphorus.

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 <https://nemo.uconn.edu/ms4/tasks/monitoring/>. 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? *
NA						

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)	<ul style="list-style-type: none"> E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others Total Coliform > 500 col/100ml
Bacteria (salt waterbody)	<ul style="list-style-type: none"> 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

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)
Sunset Terrace		12/28/23	E. Coli Total Nitrogen	579.4 MPN/100 ml 3.48 mg/L	Environmental Consulting Laboratories, Inc.
Sunset Pond		12/28/23	E. Coli Total Nitrogen	613.1 MPN/100 ml 5.94 mg/L	Environmental Consulting Laboratories, Inc.
New City Street		12/28/23	E. Coli Total Nitrogen	435.2 MPN/100 ml 2.98 mg/L	Environmental Consulting Laboratories, Inc.
Ivoryton Library		12/28/23	E. Coli	980.4 MPN/100 ml	Environmental Consulting Laboratories, Inc.

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
CRN-OF-0023	Low Priority	3
CRN-OF-0009	Low Priority	1
CRN-OF-0021	Low Priority	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.** If you do attach a spreadsheet, please write "See Attachment" below.

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

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
Sunset Terrace		12/28/23	0.36	ND<0.02	126	ND<1.00	579.4	ND<0.05	45.1	E. Coli and Nitrogen
Sunset Pond		12/28/23	0.13	ND<0.02	150	ND<1.00	613.1	ND<0.05	44.2	E. Coli and Nitrogen
Foot of Main		12/28/23	0.08	ND<0.02	90.2	ND<1.00	307.6	ND<0.05	38.3	
New City Street		12/28/23	0.08	ND<0.02	89.2	ND<1.00	435.2	ND<0.05	48.2	E. Coli and Nitrogen
Bokum Road		12/28/23	0.06	ND<0.02	59.4	ND<1.00	248.1	ND<0.05	46.2	
Ivoryton Library		12/28/23	0.07	ND<0.02	81.1	ND<1.00	980.4	ND<0.05	47.3	E. Coli

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

For details on this requirement, visit <https://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
CRN-OF-0022	Connecticut River	MEDIUM 11,12
CRN-OF-0023	Connecticut River	MEDIUM 11,12
CRN-OF-0008	Connecticut River	NO DISCHARGE
CRN-OF-0003	Connecticut River	LOW 11,12
CRN-OF-0004	Connecticut River	NO DISCHARGE
CRN-OF-0013	Connecticut River	NO DISCHARGE
CRN-OF-0002	Connecticut River	LOW 11,12
CRN-OF-0009	Connecticut River	MEDIUM 11,12
CRN-OF-0021	Connecticut River	HIGH; BLOCKAGE IN OUTFALL PIPE 11,12

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 than 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 than 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

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

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: Norm Needleman, First Selectman	Print name: William Drouin
Signature / Date:	Signature / Date:
Email: nneedleman@essexct.gov	Email: wdrouin@apexc.com

How to complete the MS4 Annual Report template

General Instructions

- Text **highlighted yellow** represents generic text to be updated.
- Example responses are provided in **red text**. Delete these if you don't use them.
- When viewing this template in Word, please click on the comment bubble icon to view the language from the permit for that requirement. For more detail on permit requirements, please see the corresponding page number in the general permit in each comment.

Part I: Summary of Minimum Control Measure (MCM) Activities

- Best Management Practice (BMP) Summary tables: Each MCM section starts with a BMP Summary table. A description of what to include in each column is below.

BMP: Self-explanatory.

Status: Provide status of BMP implementation (not started, ongoing, in progress, or complete).

- *In progress* means a task has been started but not yet completed.
- *Ongoing* means a task that is due each year or that is required to be maintained throughout the year (ex. Track disconnections of DCIA or Review site plans for stormwater quality concerns).

Activities in current reporting period: Describe ongoing and completed BMP activities. Briefly explain if you're on schedule to meet the deadline or not. If not, explain why you don't expect to meet the deadline.

Measurable Goal: Provide a measurable goal for the BMP.

Dept/Person Responsible: Identify the lead department and responsible person for that BMP. Note if it changed from the previous year. Third parties can be listed here if they are implementing the BMP. However, the permittee retains responsibility for tracking the BMP.

Date completed / projected completion date: Actual BMP completion date or when it's scheduled to be completed.

Additional details: Add any additional details including reasons for overdue BMPs, specific location of BMP if applicable, reason for adding an additional BMP.

- Other Tables: Each MCM has specific data reporting requirements. Brief descriptions and/or example responses are provided for each requirement.

Part II: Impaired waters investigation and monitoring

- Brief instructions are provided for each reporting requirement throughout Part II.

Part III: Additional IDDE Program Data

- Brief instructions are provided for each reporting requirement throughout Part III.

Part IV: Certification - Self-explanatory

Note about 2023 Reporting – To receive credit for activities completed during the lapse in permit coverage, include those activities in this report. DEEP has stated that for enforcement, the focus will be on any violations of the permit which existed before the original expiration date on June 30th, 2022, rather than any lapses that occurred between then and October 1st, 2023 (when the permit was reissued). However, DEEP will be providing credit for any work which was completed between the timeframe of June 30th, 2022 and October 1st, 2023.

From: [Alison Finnegan](#)
To: [Norm Needleman](#); [Lisa Fasulo](#); [Bill Drouin](#)
Cc: [Maria Lucarelli](#)
Subject: [EXT] January 2023 Social Media Posts for Recycling/MS4
Date: Friday, March 17, 2023 2:01:45 PM
Attachments: [image014.png](#)
[image022.png](#)
[image026.png](#)
[image047.png](#)

CAUTION

Please see attached recycling/MS4 social media posts for January 2023.

Facebook & Instagram TOE
JANUARY 2023 POSTS
23-Feb-23

POST DATE	MESSAGE	FACEBOOK	INSTAGRAM	TOTAL REACH	IMAGE
1/3/2023	Your grease-free pizza boxes can be recycled, but please remove the cheese and crusts before placing in the bin. 🗑️ We promise not to judge you for not eating the crust. #Pizza #Recycle #Recycling	575	393	968	
1/4/2023	✖️ Needles are dangerous and are not recyclable. Please do not put them in the recycling cart. 🚫	240	224	464	
1/5/2023	Air Pillows - Return to Retailer	1,184	175	1,359	
1/6/2023	Don't forget to compost in the winter! https://earth911.com/home-garden/strategies-for-winter-composting/	302	-	302	
1/6/2023	Thank you for not feeding the recycling cart. Only clean & dry items please. Consider composting food waste or bringing your food scraps to the Transfer Station (for FREE!). #Recycle #ReduceReuseRecycle #Recycled #RecyclingMatters	298	223	521	
1/10/2023	Americans Throw Away a Billion Dollars of Cans a Year	211	160	371	
1/10/2023	Test your nest for Radon!	192	227	419	
1/11/2023	Batteries and electronics do not belong in the recycling cart. ????? These can start fires at recycling facilities and in trucks. Bring your batteries and electronics to the Essex Transfer Station. Alkaline and rechargeable batteries can also be recycled at the Town Hall!	509	497	1,006	
1/12/2023	Go to: https://www.essexct.gov/sites/g/files/vyhlif3116/ff/uploads/2017_recycle_ct_flyer_edit_nocrops.pdf	443		443	
1/13/2023	WINTER STORMWATER TIPS	335	257	592	
1/17/2023	Textiles	287	776	1,063	
	<p>RECYCLE YOUR SNEAKERS!</p> <p>Did you know that your gently worn sneakers could help the Valley Warrior Baseball team? Well, they can and here's how...Our team is participating in a fundraiser where there is nothing to buy or sell; all we need is your support and your gently worn, used, or new sneakers!</p> <p>Here's how you can help:</p> <p>It's hard to believe that an estimated 600 million pair of shoes go into America's landfills every year! 100% of these shoes can be recycled and the majority of these shoes can still be reused. The Valley Regional High School BASEBALL team, the VALLEY WARRIORS, has joined forces with GotSneakers. The sneakers that we collect through the GotSneakers program will help us raise much needed funds AND will keep sneakers out of landfills. Talk about a win-win!</p> <p>Can you collect 15-20 pair of sneakers to help us out? With your help, we can achieve great results! Collect as many pair as you can. Every pair counts! DROP OFF BIN is located at the Essex Town Hall at</p>				

1/18/2023	the back door!	212	226	438	
1/20/2023	Instagram - other day posted in FB twice??		153	153	
1/24/2023	#DYK that with the rise of online shopping we generate more than 6.1 MILLION tons of cardboard a year at home but we only recycle about 36% of this? Next time you buy something online – help save trees by recycling the box! ♻️ Just empty and flatten.	275	302	577	
1/25/2023	(MS4)Dog fecal matter is a major contributor to stormwater pollution. One out of three households have at least one dog, and all that dog poop left out can be blown into storm drains, lakes, and streams. When in water, the liquefied waste consumes the oxygen and releases ammonia, which contaminates our resources as well as harms the fish that reside there. Please pick up your pet's poop! And please toss that bag of poop into a garbage can, not on the side of the road!	1,558	276	1,834	
1/27/2023	Image: F+F-Plastic-Envelopes.png Woohoo! Your package has arrived, but before tossing your plastic shipping envelope, please consider taking it to your local grocery store. These can be recycled there, but not at your home. #Shopping #Recycle #Recycling	750	387	1,137	
1/30/2023	Consider recycling your food scraps! It's free for Essex residents to recycle food scraps at the Transfer Station and we are still selling starter kits!	291	300	591	
TOTALS		7,662	4,576	12,238	

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: [Alison Finnegan](#)
 To: [Norm Needham](#); [Lisa Fausolo](#); [Bill Downin](#)
 Cc: [Norm Needham](#)
 Subject: [EXTERNAL] February 2023 Social Media Posts for Recycling/MS4
 Date: Wednesday, April 5, 2023 3:57:15 PM
 Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

CAUTION

Please find attached the February 2023 Recycling posts on social media.

FACEBOOK: Town of Essex - Government
FEBRUARY 2023 POSTS
5-Apr-23

POST DATE	MESSAGE	Facebook	Instagram	Total Reach	IMAGE
2/1/2023	10 Winter Items You Didn't Know you Could recycle	166		166	https://recyclenation.com/2015/03/10-winter-items-you-didn-t-know-you-could-recycle/?fbclid=IwAR0nMn5G7HEnHmlxsbre1KUQfkaWQVhZqjQF7qBbhDkwZzsJRFxdJr8w
2/3/2023	You can mix business with pleasure but don't mix trash with recyclables...#RecycleRight	200	192	392	
2/6/2023	Questioning what can be recycled?	285	271	556	
2/6/2023	Recycle your batteries for free at the Essex Transfer Station/Recycling Center and at the Town Hall! (From sustainable Essex newsletter) Batteries contain lots of re-usable metals, and are some of the most easily recycled products. It is also good to keep the toxic chemicals in batteries out of the waste stream, so they don't hurt sanitation workers or the environment.	201	0	201	.
2/7/2023	Disposal of old medications (Flyer and location to Troop F link) Facebook only	340		340	
2/8/2023	Textile Bins at Transfer Station	511	387	898	
2/8/2023	Top 10 Recycling Facts	347	0	347	.
2/9/2023	Going Green at the Office	107	0	107	.
2/10/2023	Recycling Opportunities: With landfill costs rising it is more important than ever to do what we can to recycle and keep what we can out of the garbage. The Essex Transfer Station provides the following recycling services FREE to Essex residents.	381	197	578	propane tanks and food scraps
2/10/2023	Nex Trex at the Library	156	153	309	
2/13/2023	Reduce your trash! Canva creation	174	226	400	
2/14/2023	When it's time to take the handmade card off the refrigerator, don't forget to recycle it. #Recycle #TGIF #RecyclingMatters #ValentinesDay #Valentine #Bae #ReduceReuseRecycle	242	158	400	
2/15/2023	Do your Part Be SepticSmart!	253	187	440	
2/16/2023	HHW brochure	778		778	
2/17/2023	Still not ready to give up your paper edition of the newspaper? It's OK. You're not the only one! But please be sure to recycle the newspaper and take the bag to a plastic bag return center available at many grocery stores.	267	344	611	
	Did you know that recycling is mandatory in Connecticut? Everyone must recycle. That includes residents whether living in a single or multi-family building, every business including non-profits, and all public and private agencies and institutions (e.g. colleges, hospitals, local and state government agencies). It's the Law! Visit www.recyclect.com to learn about the benefits of recycling right. Items Designated (i.e. Mandated) for Recycling: Glass & Metal Food & Beverage Containers Plastic Containers (PET or PETE #1) Plastic Containers (HDPE #2) Corrugated Cardboard Boxboard Newspaper Magazines White & Colored Office Paper (residences and businesses)				

	Scrap Metal, including appliances Ni-Cd Rechargeable Batteries (from consumer products) Waste Oil (crankcase oil from internal combustion engines) Leaves (must be composted) Lead Acid Battery or Motor Vehicle Batteries Grass Clippings (should be left on the lawn or, if necessary, composted) Image				
2/22/2023	RecycleCTWednesday Wisdom	172	0	172	
2/23/2023	Don't be afraid to keep your compost going just because it's winter! During the colder months, the microbes in the compost must be kept active. For winter composting, move compost bins to a sunnier part of the yard if possible. And use layers of leaves, straw, cardboard or sawdust to help insulate and keep warmth in the pile.	515	283	798	
2/24/2022	What Are the Benefits of Recycling Plastic? Reduces Pollution During the production of plastic, a lot of oil is burnt. This creates a huge quantity of toxic greenhouse gases. But when plastic is recycled instead of creating it from the start, the poisonous emissions are eliminated to a huge extent! Apart from air, producing plastic disrupts other elements in our ecosystem. It also contaminates the soil and water. Plastic waste contains dangerous compounds. When the waste is not disposed of properly, animals in the water or on earth can ingest it and die. During recycling, the plastic is taken to proper recycling centers where it is properly recycled and made reusable.	280			
2/28/2023	Paper Towels are not recycled! But if they are chemical-free they can go in your compost!	227	234	461	
TOTALS		5,436	2,632	8,068	

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: [Alyson Finnegan](#)
To: [Norm Needleman](#); [Lisa Fasulo](#); [Bill Drouin](#)
Cc: [Maria Lucarelli](#)
Subject: [EXT] Recycling Posts on Social Media for the month of March 2023
Date: Thursday, May 11, 2023 1:46:30 PM
Attachments: [image007.png](#)
[image009.png](#)
[image013.png](#)

CAUTION

Please find attached the social media recycling results information for March 2023.

Facebook & Instagram: Town of Essex - Government
MARCH 2022 POSTS
11-May-23

POST DATE	MESSAGE	Facebook	Instagram	Total Reach	IMAGE
3/1/2023	Recycling Fact Brochure	215	176	391	
3/2/2023	Why Does It Matter Where I wash my car - MS4	480		480	
3/6/2023	Finished with your freezer, snack, and sandwich bags? Don't throw them in the garbage or your recycling bin! Please be sure to make them clean and dry and take them back to the store to be recycled. #Recycle #Motivated Monday#	264	464	728	
3/7/2023	Prefer cream in your coffee? Remember clean and dry half & half cartons are recyclable. ☕ #Coffee #Recycle #Recycling #CoffeePlease#	228	223	451	
3/13/2023	Who is required to recycle? Everyone! The Mandatory Recycling Act went into effect in Connecticut on January 1, 1991. It applies to every business, every household, every institution and every government agency.	173	194	367	
3/15/2023	HHW Brochure 2023	2,693		2,693	
3/15/2023	Why Recycle? Through mattress recycling, millions of unnecessary pounds of waste can be prevented each year: - Over 30 million mattresses are sent to landfills across the country each year! - Mattresses range in size from 27 to 60 cubic feet and average 60 lbs. - Mattresses decompose slowly in a landfill, often taking over a decade. - Mattresses absorb hazardous materials and store flammable pockets of air. - If thrown in machinery, mattresses can destroy compactors due to bulkiness and metal coils. Recycle your mattress at the Essex Transfer Station	291	368	659	
3/17/2023	FunFacts Friday - plastic	150	165	315	
3/20/2023	Drug Take Back Day	199	241	440	
3/20/2023	Spring!	217	188	405	
	Dry cleaning bags are great for protecting, storing, and traveling with your clothes, but not so great for the				

3/22/2023	recycling system. Before you waste these, consider taking them back to your local grocery store for recycling. #Recycle #Recycling	286	211	497	
3/24/2023	Even when single-use batteries can no longer run devices, they can still produce current. They can be hazardous if discarded improperly. Collect used household batteries in a container. A cardboard box or plastic tub is a safe option. Prevent any fire risk by taping 9-volt battery terminals before getting rid of them. You can use a piece of masking, electrical or duct tape.	713	459	1172	
3/27/2023	Drug Take Back Day	335	186	521	
3/27/2023	Paint at the transfer station	228	242	470	
3/30/2023	Compost Bin & Rain barrel Flyer Sale	227	191	418	
TOTALS		6,699	3,308	10,007	

Alyson Finnegan
 Administrative Assistant
 First Selectmen's Office
 Essex Town Hall
 29 West Ave
 Essex, CT 06426
 860-767-4340 x 145
afinnegan@essexct.gov

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: Alyson Finnegan
To: Norm Needelman; Lisa Fasulo; Bill Drouin
Cc: Maria Lucarelli
Subject: [EXT] Recycling Social Media Posts - May 2023
Date: Friday, June 30, 2023 1:31:37 PM
Attachments: image001.png
 image009.png
 image022.png
 image024.png
 image025.png

CAUTION

Please see below for the May 2023 Recycling social media report.

FACEBOOK: Town of Essex - Government
May 2023 POSTS
30-Jun-23

POST DATE	MESSAGE	Facebook	Instagram	Total Reach	IMAGE
5/1/2023	Tip # 5 - improve water quality this spring	767	434	1,201	
5/2/2023	Don't Trash Grass! Save Time and Money! Reduce Waste! Visit https://www.ct.gov/deep/cwp/view.asp?A=2718&Q=325364 for more lawn tips!	327	278	605	
5/4/2023	TIP #6 ON HOW YOU CAN IMPROVE WATER QUALITY THIS SPRING! Scoop Your Pet's Poop! With warmer weather comes more walks with your fuzzy friend in the outdoors. Always remember to clean up after your pet's waste and place it in the trash. Pet waste contains harmful bacteria that will wash into our waterways after a rainfall- which there is plenty of in the spring!	369	152	521	
5/6/2022	If your weekend plans involve wine...	436	236	672	
5/10/2023	Recycle Your sneakers!	998	215	1213	
5/12/2023	Paper Shredding	207	250	457	-
5/12/2023	It's easy being green-reduce reuse recycle	230	122	352	
5/15/2023	A typical family consumes 182 gallons of soda, 29 gallons of juice, 104 gallons of milk, and 26 gallons of bottled water a year. That's a lot of containers - make sure they're recycled!	260	192	452	
5/17/2023	Consider reducing HHW in your home.	760	375	1135	
5/18/2023	Textile Bins	NA	263	263	

5/18/2023	Excuse Me - Did you drop something? Dog poop message	387	130	517	-
5/19/2023	what goes around comes around	232	159	391	
5/21/2023	Most people don't realize how much food they throw away every day — from uneaten leftovers to spoiled produce. About 94 percent of the food we throw away ends up in landfills or combustion facilities. In 2015, we disposed 37.6 million tons of food waste. By managing food sustainably and reducing waste, we can help businesses and consumers save money, provide a bridge in our communities for those who do not have enough to eat, and conserve resources for future generations. Stay tuned this week for Compost Week coverage!	240	353	593	
5/22/2023	Composting Basics • Browns - This includes materials such as dead leaves, branches, and twigs. • Greens - This includes materials such as grass clippings, vegetable waste, fruit scraps, and coffee grounds. • Water - Having the right amount of water, greens, and browns is important for compost development. Your compost pile should have an equal amount of browns to greens. You should also alternate layers of organic materials of different-sized particles. The brown materials provide carbon for your compost, the green materials provide nitrogen, and the water provides moisture to help break down the organic matter.	249	217	466	
5/24/2023	Benefits of Composting • Enriches soil, helping retain moisture and suppress plant diseases and pests. • Reduces the need for chemical fertilizers. • Encourages the production of beneficial bacteria and fungi that break down organic matter to create humus, a rich nutrient-filled material. • Reduces methane emissions from landfills and lowers your carbon footprint.	222	141	363	
5/26/2023	How to Compost at Home/Backyard • Select a dry, shady spot near a water source for your compost pile or bin. • Add brown and green materials as they are collected, making sure larger pieces are chopped or shredded. • Moisten dry materials as they are added. • Once your compost pile is established, mix grass clippings and green waste into the pile and bury fruit and vegetable waste under 10 inches of compost material. • Optional: Cover top of compost with a tarp to keep it moist. When the material at the bottom is dark and rich in color, your compost is ready to use. This usually takes anywhere between two months to two years.	236	116	352	
TOTALS		5,920	3,633	9,553	

Alyson Finnegan
Administrative Assistant
First Selectmen's Office
Essex Town Hall
29 West Ave
Essex, CT 06426
860-767-4340 x 145
afinnegan@essexct.gov

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: Alyson Finnegan
To: Lisa Fasulo; Bill Drouin; Norm Needleman
Cc: Maria Lucarelli
Subject: [EXT] Final Social Media Recycling Report for June 2023
Date: Friday, August 11, 2023 11:18:02 AM
Attachments: image001.png
image003.png
image007.png
image008.png

CAUTION

FACEBOOK: Town of Essex - Government
JUNE 2023 POSTS
11-Aug-23

POST DATE	MESSAGE	Facebook	Instagram	Total Reach	IMAGE
6/1/2023	Don't Trash Grass! Save Time and Money! Reduce Waste! Visit https://www.ct.gov/deep/cwp/view.asp?A=2718&Q=325364 for more lawn tips!	184		184	
6/2/2023	Essex must protect the Connecticut River! Where are you washing your car? Did you know there is widespread unawareness of the potentially harmful effects on the environment from the vehicle wash water? The wash water may contain pollutants such as detergents, oil, grease, gasoline, and phosphates and if you are not being careful, the wash water will run into the street and flow into a stormwater drain, and then directly to the Connecticut River. Please, wash your cars on your grass or gravel driveway - the water should soak into a penetrable surface in your yard, and not flow into the street or the town's stormwater drains. Keep our river clean! The town's stormwater management team recommends going to a full or self-serve car wash because commercial wash water flows through sand and oil traps to remove pollutants and reduce harmful effects on the environment.	571	178	749	
6/5/2023	HHW Brochure	597	151	748	
6/6/2023	Recycle your electronics at the Essex Transfer Station!	397	213	610	
6/8/2023	Do you know about the Betty Pierson Shed located at the Essex Transfer Station? This area provides a drop off location for reusable items that residents want to offer to their neighbors. Wooden furniture, household items, bicycles, etc., in good condition, may be left here. Residents may take items for their personal use. Don't toss things into the garbage that someone else might be able to use!	492	436	928	
6/13/2023	Textile Tuesday! TEXTILE TUESDAY! Do you have old shoes, duffel bags, placemats or curtains that won't ever be used again? The Essex Transfer Station has textile bins accepting all this and more! In any condition, 95% of all textiles can be recycled! For a full list of acceptable items go to https://www.essexct.gov/.../acceptableitemsforrecycling_2...	344	319	663	
6/15/2023	Measure Your Waste! The amount of trash you create should be about EQUAL to the amount of recycling. Who knew?? Do a spot check now to see how you measure up off the bat. If your garbage is overflowing and your recycling is slim (or even empty!), then it's time to pay attention to What's In and What's Out! When your trash does exceed your recycling on any given week, do a quick mental review of the previous days. When your trash is minimal compared to recycling, do the same. You'll be able to pinpoint areas that have received or could use a little recycling TLC, then keep an eye on those moving forward. #ThoughtfulThursday#RecyclingMatters#	308	161	469	
6/16/2023	Woohoo! Your package has arrived, but before tossing your plastic shipping envelope, please consider taking it to your local grocery store. These can be recycled there, but not at your home. #Shopping #Recycle #Recycling	265	240	505	
6/23/2023	Paper Shredding event	627	166	793	
	From the EPA Reducing Waste: What You Can Do Tips for Home The best place to start making a difference is right in your own home. Learn how you can reduce, reuse, and recycle materials to decrease household waste. The tips below will help you get started. 1) Lawn and Garden - Learn to compost at home. Use food scraps, yard trimmings, and other organic wastes to create a compost pile. Adding the compost you make to soil increases water retention, decreases erosion, and keeps organic materials out of landfills.				

6/26/2023	<ul style="list-style-type: none"> -Raise the cutting height of your lawnmower during hot summer months to keep grass roots shaded and cooler, reducing weed growth, browning, and the need for watering. - If you need large lawn and garden equipment such as tillers and chainsaws, you can reduce waste (and save money) by setting up a sharing program with your neighbors. -When you mow, "grasscycle" by leaving grass clippings on your lawn instead of bagging them. The clippings will return nutrients to the soil instead of taking up space in landfills. - Donate healthy plants that you want to replace to community gardens, parks and schools. - If you have a wood burning fireplace, save your ashes instead of throwing them away. Once cooled, wood ashes can be mixed into your compost heap and provide nutrients to your garden. 	187		187	
6/27/2023	From the EPA Reducing Waste: What You Can Do Home Improvement <ul style="list-style-type: none"> - Use insulation made from recycled paper, glass, and other recovered materials. - Clean and properly store tools, toys and outdoor furniture to protect them from damage and keep them out of landfills. - Turn off or unplug lights during the day. Doing so will save energy and help your lights last longer. - Storms can cause power outages. Prevent waste by keeping rechargeable batteries for your flashlights. If you do use disposable batteries, reduce hazardous waste by buying ones with low mercury content. 	173		173	
6/28/2023	From the EPA Reducing Waste: What You Can Do Moving & Cleaning <ul style="list-style-type: none"> - Have a yard sale to find homes for clothes, toys, appliances, and books that you no longer need. - When moving, use old newspapers to wrap fragile materials. - Use moving boxes with the highest content of recycled paper and bubble wrap containing recycled plastic. Be sure to recycle packaging materials after your move. Many organizations, such as U-Haul, have places where you can drop of unused boxes for others to reuse. - Be sure to properly dispose of any non-recyclable items that you won't be taking with you. Look for household hazardous waste collection days in your community to properly dispose of cleaners, paints, automotive supplies and other hazardous items. - For cleaning chores, buy reusable mops, rags and sponges. When using cleaning products, use only the amount you need and follow the bottle's directions for use and disposal. 	175	0	175	
6/30/2023	Still not ready to give up your paper edition of the newspaper? It's OK. You're not the only one! But please be sure to recycle the newspaper and take the bag to a plastic bag return center available at many grocery stores. #Recycle #Recycling	267	234	501	
TOTALS		4,587	2,098	6,685	

Alyson Finnegan
 Administrative Assistant
 First Selectmen's Office
 Essex Town Hall
 29 West Ave
 Essex, CT 06426
 860-767-4340 x 145
afinnegan@essexct.gov

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: Alison Finnegan
To: Norm Needelman; Lisa Fasulo; Bill Drouin
Cc: Maria Lucarelli
Subject: [EXT] Final Social Media Recycling Report for July 2023
Date: Thursday, September 28, 2023 12:46:24 PM
Attachments: image009.png
 image014.png
 image020.png
 image021.png
 image023.png
 image025.png
 image027.png

CAUTION

Please see social media results below for recycling and stormwater for the month of July.

FACEBOOK: Town of Essex - Government
JULY 2023 POSTS
28-Sep-23

POST DATE	MESSAGE	Facebook	Instagram	Total Reach	IMAGE
7/1/2023	SavetheOcean	258	224	482	
7/3/2023	Don't make us cry like a baby. 👶 Baby food jars are recyclable. ❌ Baby food pouches - not so much. 🍼 #Ohbaby #Recycle #Recycling	287	121	408	
7/3/2023	HHW Brochure	456	212	668	
7/4/2023	Happy Birthday USA! Don't forget that streamers, balloons, and fireworks of any kind can't be recycled! Safety first! #4thofJuly#RecyclingMatters	310	160	470	
7/6/2023	Transfer Station Brochure: The Essex Transfer Station offers a wealth of recycling opportunities from the textile bins to the recycling of smoke alarms! Take a look at the brochure below or go to the transfer station page at www.essexct.gov .	764	272	1,036	Brochure
7/8/2023	FUN FACT FRIDAY! Recycling just a single aluminum can saves enough energy to catch up on your favorite album on your music device and recycling 100 aluminum cans saves enough energy to keep the lights on in your bedroom for two weeks.	386	243	629	
7/10/2023	Start your day right. Sip by sip. Choice by choice. Every day is a great day to recycle. ☺️ #RecyclingMatters #MondayMotivation	240	156	396	
7/13/2023	Clean pizza boxes are #recyclable! Crusts are not! Make sure to remove crusts and scrape cheese off the inside of the box before #recycling. #WednesdayWisdom	356	157	513	
7/14/2023	Happy Friday! Make sure you you know what goes in your Recycling and what goes in the Trash!	360	179	539	
7/17/2023	Dog fecal matter is a major contributor to stormwater pollution. One out of three households have at least one dog, and all that dog poop left out can be blown into storm drains, lakes, and streams. When in water, the liquefied waste consumes the oxygen and releases ammonia, which contaminates our resources as well as harms the fish that reside there. Please pick up your pet's poop! And please toss that bag of poop into a garbage can, not on the side of the road!	444	353	797	
7/19/2023	Compostable Bathroom Reminder REMINDER TO RESIDENTS AND FRIENDS OF ESSEX The restrooms at the Main Street Park in downtown Essex are compostable! Please follow instructions!	428	515	943	
7/20/2023	Sneaker Recycling9/28/2023 The Valley Warrior Baseball team is participating in the gotSneakers fundraiser. There is nothing to buy or sell; all we need is your support and your gently worn, used, or new sneakers! DROP OFF BIN is located at the Essex Town Hall at the back door! Reduce#Reuse#Recycle#	275	257	532	
7/21/2023	Up to 40 percent of food in the U.S. is never eaten. Stocking your fridge with these tips will help make a dent in food waste, saving you money while you do it!	356	450	806	
	Tips for Conserving Water WEEK! Bathrooms: • Never use your toilet as a waste basket. • Do not let the water run while shaving or brushing teeth.				

	<ul style="list-style-type: none"> • Take short showers instead of tub baths. Turn off the water flow while soaping or shampooing. • If you must use a tub, close the drain before turning on the water and fill the tub only half full. Bathe small children together. • Never pour water down the drain when there may be another use for it -such as watering a plant or garden. 				
7/24/2023	(Information provided by the Environmental Protection Agency)	202	212	414	
	<p>Tips for Conserving Water WEEK</p> <p>Kitchen and Laundry:</p> <ul style="list-style-type: none"> • Keep drinking water in the refrigerator instead of letting the faucet run until the water is cool. • Wash fruits and vegetables in a basin. Use a vegetable brush. • Do not use water to defrost frozen foods, thaw in the refrigerator overnight. • Use a dishpan for washing and rinsing dishes. • Scrape, rather than rinse, dishes before loading into the dishwasher. • Add food wastes to your compost pile instead of using the garbage disposal • Operate the dishwasher only when completely full. • Use the appropriate water level or load size selection on the washing machine. 				
7/25/2023	(Information provided by the Environmental Protection Agency)	371	203	574	
	<p>Tips for Conserving Water</p> <p>Outside:</p> <ul style="list-style-type: none"> • Sweep driveways, sidewalks and steps rather than hosing off. • Wash the car with water from a bucket, or consider using a commercial car wash that recycles water. • When using a hose, control the flow with an automatic shut-off nozzle. • Avoid purchasing recreational water toys that require a constant stream of water. • If you have a swimming pool, consider a new water-saving pool filter. • Lower pool water level to reduce amount of water splashed out. • Use a pool cover to reduce evaporation when pool is not being used 				
7/26/2023	(Information provided by the Environmental Protection Agency)	234	153	387	
	<p>Tips for Conserving Water WEEK!</p> <p>Equipment:</p> <ul style="list-style-type: none"> • Repair all leaks. A leaky toilet can waste 200 gallons per day. To detect leaks in the toilet, add food coloring to the tank water. If the colored water appears in the bowl, the toilet is leaking. • Install ultra-low flow toilets, or place a plastic container filled with water or gravel in the tank of your conventional toilet. Be sure it does not interfere with operation of the toilet's flush mechanism. • Install low-flow aerators and showerheads. • Consider purchasing a high efficiency washing machine which can save over 50% in water and energy use. 				
7/27/2023	(Information provided by the Environmental Protection Agency)	258	237	495	
	<p>CFLs: How to dispose of them? Fluorescent bulbs come in various shapes and sizes. Some are the traditional, 2-, 4-, or 8-foot-long "tube" type bulb. Others include the newer "compact" fluorescent lights (CFLs) that screw in like a regular incandescent bulb. All of them contain varying amounts of the toxic metal mercury, and should not be disposed of in the regular trash. CFLs are accepted at the ESSEX transfer station. #RecyclingMatters#MotivationMonday#</p>				
7/31/2023		303	219	522	
TOTALS		6,288	4,323	10,611	

Alyson Finnegan
Administrative Assistant
First Selectmen's Office
Essex Town Hall
29 West Ave
Essex, CT 06426
860-767-4340 x 145
afinnegan@essexct.gov

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: Alyson Finnegan
To: Norm Needelman; Lisa Fasulo; Bill Drouin
Cc: Maria Lucarelli
Subject: [EXT] Social Media Recycling Report September 2023
Date: Thursday, November 30, 2023 1:01:30 PM
Attachments: image001.png
 image002.png
 image003.png
 image004.png

CAUTION

Please find attached the September 2023 recycling social media report.

FACEBOOK: Town of Essex - Government




September 2023 POSTS

30-Nov-23




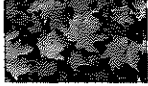









POST DATE	MESSAGE	FACEBOOK	INSTAGRAM	TOTAL	IMAGE
9/2/2022			-	-	-
9/5/2023	Do you have old shoes, duffle bags, placemats or curtains that won't ever be used again? The Essex Transfer Station has textile bins accepting all this and more! In any condition, 95% of all textiles can be recycled! For a full list of acceptable items go to https://www.essexct.gov/.../news/acceptableitemsforrecycling...	444	173	617	
9/7/2023	Household Hazardous Waste Collection (Saturday 9/16)	337	204	541	
9/19/2023	Waste is a Terrible Thing to Mind - RECYCLE	235	178	413	
9/25/2023	RiverCog Rain Barrel and Composter sale	700	263		
9/27/2023	Drug Take Back Day	414	172		
9/28/2023	Happy Fall! Preserve Your Garden Goodies. Check your tires. Clean and Test Your Furnace. Bring in the Houseplants. Do some Yardwork.	238		238	
9/28/2023	Recycling more at home does not require much effort if you spend some time to create a comprehensive recycling system. Here are some simple tips to recycle more effectively at home: 1. Flatten cardboard boxes so that you can fit more recyclables into your bin. 2. All plastic bottles can be recycled, from water bottles to salad dressing, so put all of them in your recycling container. 3. It is not just newspapers that you can recycle at home. Also, recycle wrapping paper, envelopes, birthday cards and phone books. All sorts of cardboard can be recycled, too, even toilet and paper towel tubes.	156	119	275	
9/29/2023	Got Sneakers Recycling initiative	239	317		
TOTALS		2,763	1,426	4,189	

Alyson Finnegan
 Administrative Assistant
 First Selectmen's Office
 Essex Town Hall
 29 West Ave
 Essex, CT 06426
 860-767-4340 x 145
afinnegan@essexct.gov

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

POST DATE	DESCRIPTION	MESSAGE	Facebook	Instagram	Total Reach	IMAGE
10/2/2023		River Cog Compost Bin and Rain barrel sale	295	192	487	
10/4/2022		Drug Take Back	44	148	192	
10/6/2023		♻️ Recycling is kind of a big dill. And, we'd relish the idea of you recycling your pickle jar. #InAPickle #Pickle #Recycle #Recycling	461	161	622	
10/7/2023		❌ Sorry folks, chip bags are not recyclable.	277	143	420	
10/8/2023		Wait! Don't waste that! Cans are recyclable. ♻️ Place them in your recycling cart -- loose, not in bags.	244	152	396	
10/9/2023		☕ Prefer cream in your coffee? Remember clean and dry half & half cartons are recyclable. ♻️ Find out what your local recycling program accepts. [insert a link to your website here] #Coffee #Recycle #Recycling #CoffeePlease #Coffeegram	238	102	340	
10/10/2023		River Cog Compost Bin and Rain barrel sale	500	179	679	
10/11/2023		Drug Take Back	390	160	550	
10/11/2023		Leaf Composting Information The Leaf Composting Area will be open the same days and times as the Landfill except from Oct 1 - June 1 when the composting area will be open Monday through Saturday from 7am - 3pm. The Composting Area is for leaves only. Do not dump any brush or other materials in this area. Valid I.D. must be presented to prove town residence. See attendant before dropping off leaves.	406	181	587	
10/16/2023		River Cog Compost Bin and Rain barrel sale	149	179	328	
10/18/2023		Drug Take Back	180		180	
10/18/2023		Without proper collection and recycling, plastics affect our environment, harm the planet and have a long-lasting impact on ecosystems. We have to act now and provide the appropriate solutions.	244	107	351	
10/19/2023		From Sustainable Essex Committee: How can we reduce food waste? It's going to take many fronts! 1. Educate, educate, educate about the environmental cost of excess food waste. 2. Make the economic case for only buying what food you will eat, and using up all the food you bought. 3. Lower barriers for people to separate food scraps from regular household waste, and properly dispose of it. 4. Make separate disposal of food scraps a social norm. See infographic from the Institute for Local Self-Reliance.	244	67	311	
10/25/2023		Drug Take Back	268	158	426	
10/28/2023		National Prescription Take Back Day	229	0	229	
TOTALS			4,169	1,929	6,098	

FACEBOOK: Town of Essex - Government
November 2023 POSTS
29-Dec-23

POST DATE	MESSAGE	Facebook	Instagram	TOTAL REACH	IMAGE
11/7/2023	Vote & Recycle	268	128	396	
11/8/2023	Paper towels do not go in the recycling bin!	315	159	474	
11/12/2023	Reduce your purchase of hazardous products!	2,839	412	3,251	
11/15/2023	<ul style="list-style-type: none"> • Let leaves stay where they fall. They won't hurt your lawn if you chop them with a mulching mower. • Rake leaves off the lawn to use as mulch in garden beds. For finer-textured mulch, shred them first. • Let leaf piles decompose; the resulting leaf mold can be used as a soil amendment to improve structure and water retention. • Make compost: Combine fallen leaves ("brown material") with grass clippings and other "green material" and keep moist and well mixed. You'll have nutrient-rich compost to add to your garden next spring. 	725	173	898	
11/16/2023	<p>Thanksgiving is right around the corner which means spending time with your family and having a great meal, but when you are finished with your meal what will you do with the leftover food, cans, and plastic containers that your food came in. Most people will just simply throw it into the garbage and not think about whether it can be recycled. In fact, during this holiday season household waste goes up by 25% which can add 1 million tons of trash into our landfills. Here are some recycling tips to help you during Thanksgiving.</p> <ol style="list-style-type: none"> 1. Reduce the amount of waste you have by buying products that can be recycled. 2. Decorate with nature. Forget the petroleum-based plastic and synthetic decorations and adorn your table with natural and homemade festive decor. Fill clear vases with pinecones, acorns and colorful leaves. Popped open your organic wine bottles already? Carve a small slit in the corks, and slide in a piece of paper with a guest's name to create unique, upcycled place settings. 3. Use cloth napkins that can be washed and used again. 4. Recycle all your used paper, plastics, glass, tin, steel and aluminum containers in your blue bag. 5. You can also compost your leftover Thanksgiving fruit and vegetable trimmings. * Remember, food scraps can now be recycled at the Transfer Station for FREE! 	299	218	517	
11/17/2023	Pumpkin Spice lattes are in, Styrofoam is OUT	344	265	609	
11/19/2023	<p>Attention Dog Walkers: Kindly Bag your dog's poop and return home with it or put in a town of essex trash bin. Do not leave it on the ground or a bench or in a neighbor's trash bin.</p>	1,119	575	1,694	
11/20/2023	Thanksgiving is probably one of the few times a year you cook a whole turkey or bake a pie. And one of the few times you use a pie tin or an aluminum tray. But, with 46 million turkeys consumed each Thanksgiving, we had better figure out what to do with all those turkey trays. Those aluminum trays, and the pie tins too, are recyclable. Please clean them and place them in your recycling bin. #recycling	662	320	982	
11/22/2023	Happy (almost) Thanksgiving! Tomorrow is a big day for eating lots of amazing food, but did you know that the average person wastes 288 pounds of food per year? That's the equivalent of 29 turkeys per person! We've got some helpful tips to mitigate food waste this year. 1) Utilize your freezer! Too many leftovers? Use reusable containers to freeze those delicious leftovers! Or if you feel like sharing, ask your guest to bring containers so they can bring the extras home. 2) Don't trash scraps! Peelings and trimmings from vegetables and fruits can be used to make homemade stock. 3) Be mindful! We all love eating on Thanksgiving but sometimes we don't eat everything on our plate. Be mindful about what and how much you take.	221	197	418	
11/27/2023	Nextrex - Plastic recycling at the Essex & Ivoryton Libraries	556	126	682	
11/28/2023	RECYCLABLES should be more than or equal to TRASH!	295	178	473	
11/29/2023	Leaves: rake, compost, or jump in the pile...just don't #recycle them! Keep all yard waste out of your recycling cart. #RecyclingMatters #WednesdayWisdom	235	128	363	
11/30/2023	No Dumping Only Rain Down the Drain	234	208	442	
TOTALS		8,112	3,087	11,199	

FACEBOOK: Town of Essex - Government
December 2023 POSTS
22-Jan-24

[illegible]

12/25/2023	It's Christmas morning, the gifts are opened, and now your living room looks like a shipping warehouse. #Recycle those cardboard boxes! #Christmas #ChristmasGifts #Recycling #Recycle	316	420	736	
12/27/2023	Your grease-free pizza boxes can be recycled, but please remove the cheese and crusts before placing in the bin.				



CLEAN STORMWATER ONLY



Stormwater occurs when precipitation from rain or snowmelt flows over the ground and into the municipal storm sewer system. The flow then enters our local waterbodies without being treated.



To help keep our local water bodies clear and clean you can do your part by helping Alsace Township identify illicit discharge or pollution entering the stormwater system. The images below depict everyday items that impact the municipal stormwater system.



Motor vehicle fluids



Household hazardous waste



Grass clippings and leaf litter



Animal wastes

PLEASE NOTIFY THE TOWN OFFICE IF YOU NOTICE ANY ILLICIT DISCHARGE

**TOWN OF ESSEX
29 WEST AVENUE
860-767-4340
essexct.gov**

*Clean water. Healthy habitat. Thriving communities.*

Connecticut River Conservancy

[DONATE](#)[About Us ▾](#)[Our Work ▾](#)[Get Involved ▾](#)[Learn ▾](#)[Explore ▾](#)[News and Events ▾](#)

overwhelm our aging sewer systems and cause untreated sewage and rainwater to discharge into our rivers and streams. Rainfall washes all kinds of pollution from parking lots, lawns, and roads into our rivers, which can make our water sick for both people and animals. This is a problem throughout the watershed, particularly in communities who designed their sewers to collect both sewage and rainwater. Throughout New England communities have been investing hundreds of millions of dollars to modernize

their sewage treatment plants and sewer lines to reduce or in some cases eliminate this problem. CRC works with communities as well as state and federal government to create the best solutions to this problem because these are critical investments for our economy and our environment. Our rivers shouldn't make us sick.

Thanks to investments made by people throughout the watershed there has been real progress. In western Massachusetts, over 1 billion gallons of untreated sewage and rainwater no longer discharge when it rains. Over 18 miles of the Chicopee River have no discharges at all thanks to pipes being removed. Five western Massachusetts towns have completely eliminated pipes that would discharge during rain events. Eight communities in the Hartford, CT region have voted to spend over \$1.6 billion dollars to improve their sewage treatment and significantly reduce discharges over the next twenty years.

But there is more to do in cities throughout the watershed and we will continue pushing for robust solutions and strong voter support for this critical work.

Speaking up for the river in Hartford

In 2012, CRC and other advocates supported the greater Hartford region with a creative advocacy and information campaign on the value of their rivers. On Election Day, voters in the eight MDC towns (Bloomfield, East Hartford, Hartford, Newington, Rocky Hill, West Hartford, Wethersfield and Windsor) approved the Clean Water Project with overwhelming support by voting “Yes” to clean rivers . Your votes expressed that, even in challenging economic times, we value our rivers and communities enough to help make them cleaner and safer.

The Clean Water Project will stop over 1 billion gallons of raw sewage from entering the Connecticut and Park Rivers every year. By investing your money in gray and green infrastructure and better treatment plants we will have healthier river communities and a healthier economy. This phase of the work is projected to cost \$800 million dollars. That’s a lot of money, but an average household will only see an increase of \$48 each quarter in their bill. That’s less than the cost of a daily cup of coffee!

Here’s what your neighbors said about why they invest in their rivers:



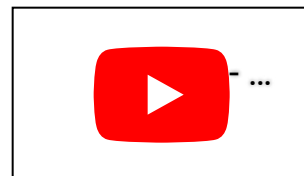
Gladys is a Hartford resident and advocate.



Jeff, photographer who has paddled the entire length of the Connecticut River, and Diane, a local real estate agent.



Christian is a youth environmental leader. (video en Espanol)



Clare – future River Steward!

To learn more about the Clean Water Project visit the [Metropolitan District Commission \(MDC\) website](#).

List of Designated and Other Recyclable Items in Connecticut

- Glass & Metal Food and Beverage Containers
- PET & HDPE Plastic Containers (#1 & #2)
- Corrugated Cardboard & Boxboard (shoe and cereal type boxes)
- Newspaper & Magazines
- White & Color Office Paper

In addition to the designated items, many municipalities have ordinances which require additional items to be recycled, such as:

- #3 - #7 Plastic Containers
- Drink Box Beverage Cartons
- Junk Mail

The following designated recyclable items should always be recycled **separately** at your local Transfer Station or other location designated by the municipality. They should **never** be placed **into curbside or single stream/mixed recycling** containers.

- Scrap Metal
- Ni-Cd Rechargeable Batteries
- Used Motor Oil
- Lead Acid Batteries (from vehicles)
- Leaves/Grass
- Electronic Devices
- Fluorescent Bulbs/Lamps

To find out about those additional items, contact your Municipal Recycling Coordinator, your local Department of Public Works, refer to your town website, or contact DEEP at (860) 424-3366.

WARNING:

Failure to comply with Connecticut's Recycling Law (Sections 22a-220(f), 22a-229, 22a-241b of the Connecticut General Statutes) may result in DEEP enforcement actions with civil penalties up to \$25,000 per day per violation!



To learn more, visit DEEP's web-site at:

www.ct.gov/deep/recycle
www.ct.gov/deep/recyclingatwork
www.ct.gov/deep/recyclinglaws
www.recyclect.com

or search these keywords:
 Apartments; Condominiums; Multi-Family; Business Recycling Profile; RecycleCT Wizard

Recycling at Apartments, Condominiums and Other Multi-Family Properties is Connecticut Law !



Connecticut Department
 of
 ENERGY &
 ENVIRONMENTAL
 PROTECTION (DEEP)
 79 Elm Street
 Hartford, CT 06106-5127
 (860) 424-3366

www.ct.gov/deep/recycle
www.recyclect.com

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action and Equal Opportunity Employer that is committed to complying with the Americans with Disabilities Act.



THERE'S A NEW WAY TO RECYCLE RIGHT—Just ask the **RecycleCT Wizard!**

RecycleCT has **customizable RECYCLING RESOURCES** available to help you provide information to tenants on the state's universal residential recycling guidelines. The materials can be easily downloaded for organization's name, address, phone number and website.

Connecticut Recycling Law Requires That "Every Person" Recycle

This includes **every resident** of a single family home or a **Multi-Family Property**, and **every business**, including non-profits and all public and private agencies and institutions.

To be compliant with Connecticut Recycling Law, Owners and/or Managers of Multi-Family Properties must:

- Provide accessible, convenient and appropriately-sized recycling *and* trash collection containers by making provisions for recycling containers that are of equal size as those for trash, or even a greater size to promote recycling;
- Ensure all collection containers have clear and multi-lingual labels and containers are emptied frequently (as needed);
- Educate new tenants and provide periodic recycling reminders to all tenants; and
- Ensure that all segregated recyclable items remain separate from trash. Previously segregated recyclable items cannot be combined with trash.



Every collection program must provide residents sufficient opportunity to recycle accepted materials at the rate they are generated. This is consistent with municipal recycling goals and the State's Comprehensive Materials Management Strategy, which calls for a statewide 60 percent diversion of discarded materials by 2024.

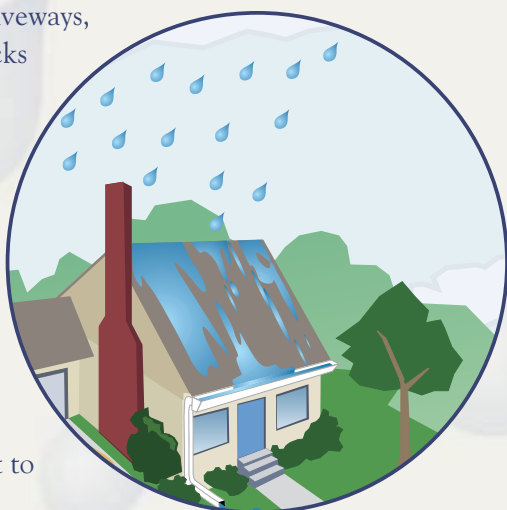


To ensure compliance with Connecticut Recycling Law, DEEP recommends that Owners and/or Managers of Multi-Family Properties:

1. Identify a responsible individual or team to develop, implement and monitor a customized Recycling Program for your Multi-Family Property;
2. Work with your trash/recycling hauler to estimate the recycling and trash volume and service frequencies for your Multi-Family Property (recycling volumes can be up to 8-10 gallons of material generated each week per occupant); and
3. Monitor the Recycling Program to evaluate the effectiveness and implement changes as necessary to ensure adequate, convenient recycling and trash collection.

If more than a small (inadvertent) amount of recyclables can be observed in your trash containers or dumpsters, there's a good chance that your existing recycling program is *insufficient*. Further outreach to your tenants and/or additional recycling bins are likely needed.

As stormwater flows over driveways, lawns, and sidewalks, it picks up debris, chemicals, dirt, and other pollutants. Stormwater can flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.



By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of stormwater. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands, and coastal waters. Remember to share the habits with your neighbors!

Healthy Household Habits for Clean Water

Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to **minimize** the amount of dirty, soapy water flowing into the storm drain and eventually into your local waterbody.
- Check your car, boat, motorcycle, and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up **spilled fluids** with an absorbent material like kitty litter or sand, and don't rinse the spills into a nearby storm drain. Remember to properly dispose of the absorbent material.



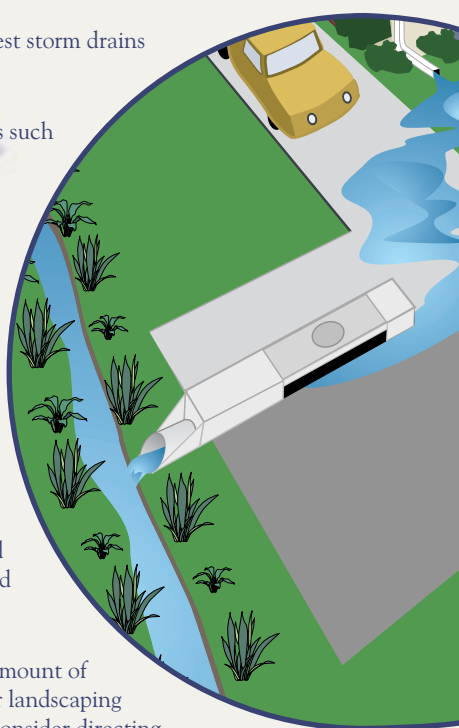
- **Recycle** used oil and other automotive fluids at participating service stations. Don't dump these chemicals down the storm drain or dispose of them in your trash.

Lawn and Garden

- Use pesticides and fertilizers **sparingly**. When use is necessary, use these chemicals in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals will be washed into your local stream.
- Select **native** plants and grasses that are drought- and pest-resistant. Native plants require less water, fertilizer, and pesticides.
- **Sweep up** yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't overwater your lawn. Water during the **cool** times of the day, and don't let water run off into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local waterbodies. **Vegetate** bare spots in your yard to prevent soil erosion.

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains and **protect** them from debris and other materials.
- **Sweep up** and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cleaners in the **smallest amounts possible**, and follow the directions on the label. Clean up spills **immediately**, and dispose of the waste safely. Store substances properly to avoid leaks and spills.
- Purchase and use **nontoxic, biodegradable, recycled, and recyclable** products whenever possible.
- **Clean** paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil-based paints. Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.
- **Reduce** the amount of paved area and increase the amount of vegetated area in your yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.





Make your home The SOLUTION TO STORMWATER POLLUTION!

A homeowner's guide to healthy
habits for clean water



Remember: Only rain down the drain!

For more information, visit
www.epa.gov/npdes/stormwater
or
www.epa.gov/nps

EPA United States Environmental Protection Agency
EPA 833-B-03-003
January 2003



Internet Address (URL) • [HTTP://www.epa.gov](http://www.epa.gov)
Recycled/Recyclable • Printed With Vegetable Oil Based Inks on 100% Postconsumer,
Process Chlorine Free Recycled Paper

Storm drains connect to waterbodies!

- Flush responsibly. Flushing household chemicals like paint, pesticides, oil, and antifreeze can destroy the biological treatment taking place in the system. Other items, such as diapers, paper towels, and cat litter, can clog the septic system and potentially damage components.
- Care for the septic system drainfield by **not** driving or parking vehicles on it. Plant only grass over and near the drainfield to avoid damage from roots.
- Have your septic system **inspected** by a professional at least every 3 years, and have the septic tank **pumped** as necessary (usually every 3 to 5 years).
- Properly store pool and spa chemicals to **prevent** leaks and spills, preferably in a covered area to avoid exposure to stormwater.
- Whenever possible, drain your pool or spa into the **sanitary** sewer system.
- **Drain** your swimming pool only when a test kit does not detect chlorine levels.

Swimming Pool and Spa

- When walking your pet, remember to **pick up** the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Pet Care



Town of Essex

www.essexct.gov

Essex Town Hall

29 West Avenue

Essex, Connecticut 06426

Telephone: 860-767-4340

Fax: 860-767-8509

TOWN OF ESSEX STORMWATER (MS4) WORKING GROUP AGENDA

Tuesday, February 13, 2024

Conference Room B – 11:00 am

Join Zoom Meeting: <https://zoom.us/j/91831587480?pwd=YWdmVVBNaHJTMWEzYW1qWUdUVzNGdz09>

Meeting ID: 918 3158 7480

Password: 589040

Dial: +1 646 558 8656

1. Activities performed during 2023 for compliance with the 2023 MS4 General Permit
2. Update from AppGeo
3. New Stormwater Sampling Sites
4. Quarterly Activities
 - A. Health Dept
Septic System Failures, Education Outreach
 - B. Zoning Dept
New Construction, LID, Education Outreach
 - C. Town Engineer
Construction Site Stormwater Runoff Control, Illicit Discharge & Elimination
 - D. Selectmen's Office
Education Outreach
5. Miscellaneous



TOWN OF ESSEX
STORMWATER (MS4) WORKING GROUP
Meeting Minutes
August 8, 2023
Room A

Attendees

William Drouin (Apex Co)
Ryan Welch (DPW)
Rebecca Davis (MapGeo GIS)
Robert Doane (Town Engineer)
Jessica Sypher (Assessor)
Alyson Finnegan (First Selectman's Office)

Absent

Norman Needleman (First Selectman)
John Guskowski (Town Planner)
Lisa Fasulo (Health Director)
Carey Duques (Land Use Official)

Bill Drouin stated that DEEP has not yet extended the existing MS4 General Permit nor have they issued a new one.

Bob Doane stated that there were two new construction projects, both are industrial projects. Rebecca Davis will add both projects to the system noting that they are private.

Ryan Welch confirmed that dry weather samples have been completed on all 450 Falls River and CT River catch basins. Mr. Welch also cleaned out several systems that were clogged. Mr. Welch will send documentation to Mr. Drouin.

Mr. Drouin noted that the Industrial Stormwater Permit will change next year and no sampling is needed.

Mr. Drouin will work with Mr. Welch to schedule training in September with the public works crew.

Mr. Drouin reported that the Town is in very good shape with the DCIA average but we will continue working to improve it.

Mr. Drouin will send Mr. Welch information on bubblers for Sunset Pond to reduce eutrophication.

Mr. Drouin will get a list of the five gas stations' catch basin/drainage plans from Lisa Fasulo and send them to Rebecca Davis to add to the map.

Ms. Finnegan will continue to maintain the Town social media pages and the Town website to promote public awareness on the stormwater program and she will forward the monthly reports to Ms. Fasulo and Mr. Drouin.

The next Stormwater meeting will be on November 8, 2023 at 11:00 am in Conference Room B.

TOWN OF ESSEX
STORMWATER (MS4) WORKING GROUP
Meeting Minutes
November 28, 2023
Room B

Attendees

William Drouin (Apex Co)
Lisa Fasulo (Health Director)
Carey Duques (Land Use Official)
Robert Doane (Town Engineer)
Jessica Sypher (Assessor)
Alyson Finnegan (First Selectman's Office)

Absent

Norman Needleman (First Selectman)
John Guskowski (Town Planner)
Rebecca Davis (MapGeo GIS)
Ryan Welch (DPW)

Bill Drouin stated that the existing MS4 General Permit will be extended 2-3 years.

Mr. Drouin will work with Mr. Welch to schedule training in December with the public works crew.

There was general discussion about the Department of Energy and Environmental Protection and the Connecticut Council on Soil and Water Conservation having revised the Connecticut Guidelines for Soil Erosion and Sediment Control and the Connecticut Stormwater Quality Manual. The effective date for these guidance documents is March 30, 2024. The full adoption of these documents will be phased. During the phased in adoption of the revised manual the 2004 version will also remain available until September 2024.

Bob Doane stated that there is new construction at 8 Heron Pond Rd and 63 South Main Street. Carey Duques will send a list of new homes from 2022-23 to Bill Drouin.

Lisa Fasulo stated that Ryan Welch does not need to choose new sampling locations. The sites from December 2022 will be used.

Lisa Fasulo will send a map of the Town's septic problems to Rebecca Davis.

The 2024 calendar of meetings was approved.

Ms. Finnegan will continue to maintain the Town social media pages and the Town website to promote public awareness on the stormwater program and she will forward the monthly reports to Ms. Fasulo and Mr. Drouin.

The next Stormwater meeting will be on February 13, 2024 at 11:00 am in Conference Room B.

Town of Essex

January 1 - Dec 15, 2023

15 Failure/Septic System Repairs**16 Septic Repair & Minor Modifications****6 New Construction & Major Modifications**Add the Septic System Failure Information to 2023 MS4 Annual Report & AppGeo

Permit Type: Failure/Septic Repair						
Name	#	Location	Year	Permit #	Issue Date	Reason
RHOADS JED E	17	DICKINSON LA	2023	23-25SR	1/19/2023	Failure - damage during yard regrading
BEISHHEIM HILARY & JOHN JR (JT)	9	HARBOR VIEW	2023	23-35SR	2/8/2023	Failure - dbx & distribution pipe
SMITH SEYMOUR M & ANITA P	7	HUDSON LA	2023	23-65SR	4/4/2023	Failure - breakout on lawn
PORCELAIN PROPERTIES LLC	56	WEST HILLS RD	2023	23-95SR	5/2/2023	Failure - dbx & sewer pipe
DANESE DANIELLE Y	17	NORTH MAIN ST SX	2023	23-105SR	5/9/2023	Failure - dbx
ZUCKERMAN ANDREW H & TARA	26	PARKER TERR	2023	23-115SR	5/16/2023	Failure - broken tank
C & N REALTY HOLDING COMPANY LLC	1	BUDNEY HILL RD	2023	23-125SR	6/1/2023	Failure - broken sewer pipe & dbx
ONE VIA VERONA LLC	147	MAIN ST IVTN	2023	23-165SR	7/20/2023	Failure - cracked tank.
RETREAT ON THE POND LLC	57	MAIN ST IVTN	2023	23-185SR	7/26/2023	Failure - broken tank & dbx
IANNUCCI ANTHONY J & DUDACK STEPHANIE A (JT)	48	LYNN RD	2023	23-225SR	9/12/2023	Failure - broken dbx
BEIGHAU ROBERT J & MELODIE C	45	WESTBROOK RD	2023	23-265SR	10/23/2023	Failure - breakout on lawn
CARTAGENA VICTOR M & JILL P	13	HIGHLAND TERR	2023	23-275SR	11/1/2023	Failure - broken tank
STIDHAM GARY J & NEVONDA C	3	NUTMEG LA	2023	23-295SR	11/13/2023	Failure - dbx & distribution pipe
FRANDSEN RUSSELL H & MEGAN ZITTING	19	WEST HILLS RD	2023	23-305SR	12/1/2023	Failure - cracked tank.
TOMKIEWICZ IZABELA & FERRER CHRISTIAN	21	HARBOR VIEW S	2023	23-315SR	12/7/2023	Failure - leaking tank.

Permit Type: Septic Repair & Minor Modifications

Name	#	Location	Year	Permit #	Issue Date	Reason
BOGAN STEPHEN	42	PROSPECT ST	2023	23-4SSR	3/8/2023	home renov & addition
OTAVALO NESTOR R & ANDYARA (JT)	31	OLD DEEP RIVER RD	2023	23-1SSR	1/10/2023	home renov & additional apartment
PETERS GREGORY ALLEN & PAGE BRIDGET	6	HICKORY LA	2023	23-5SSR	4/3/2023	deck addition
HALL STEVEN & HARTELL STEPHANIE (JT)	6	BANK LA	2023	23-7SSR	4/5/2023	home renov & addition
ELLISON THOMAS C & PATRICIA M	68	COMSTOCK AVE	2023	23-8SSR	4/20/2023	very old septic system; update to current Code
SANTORO ANNELISA	54	MAIN ST SX	2023	23-14SSR	6/21/2023	Replace Cast Iron Sewer pipe with PVC per Code
BOGAN ALYSSA	7	CLARK LA	2023	23-15SSR	6/29/2023	home renov & addition
MAINSTREAM INC	67	MAIN ST CTBK	2023	23-17SSR	7/25/2023	Replace 2 undersized tanks with 1 new larger tank
CALLAHAN PATRICK M & GOODWIN ANN W	16	GROVE ST	2023	23-19SSR	8/10/2023	Replace dbox & PVC distribution pipe for future ADU
DELEA GARRY L JR & HAGAN JILL E	12	MAPLE AVE	2023	23-21SSR	8/23/2023	Property Tsfr - install new system to meet Code
ONEIL PHYLLIS	26	HARBOR VIEW	2023	23-20SSR	8/17/2023	Property Tsfr - install new septic tank to meet Code
STONE KEVIN & CHRISTINE	18	HEMLOCK DR	2023	23-23SSR	9/12/2023	Relocate sewer line to accommodate new pool
FIVE MAIN CENTERBROOK LLC	5	MAIN ST CTBK	2023	23-24SSR	9/18/2023	Reconfigure grease tank & PVC to meet Code
9197CCAS LLC	91	POND MEADOW RD	2023	23-25SSR	10/11/2023	home renov & addition
JOHNSON RICHARD H+DIANE H	14	COMSTOCK AVE	2023	23-28SSR	11/1/2023	very old septic system; update to current Code
PIPOLI ROSANNE F	5	BOOK HILL RD	2023	23-32SSR	12/7/2023	home renov, addition & new ADU

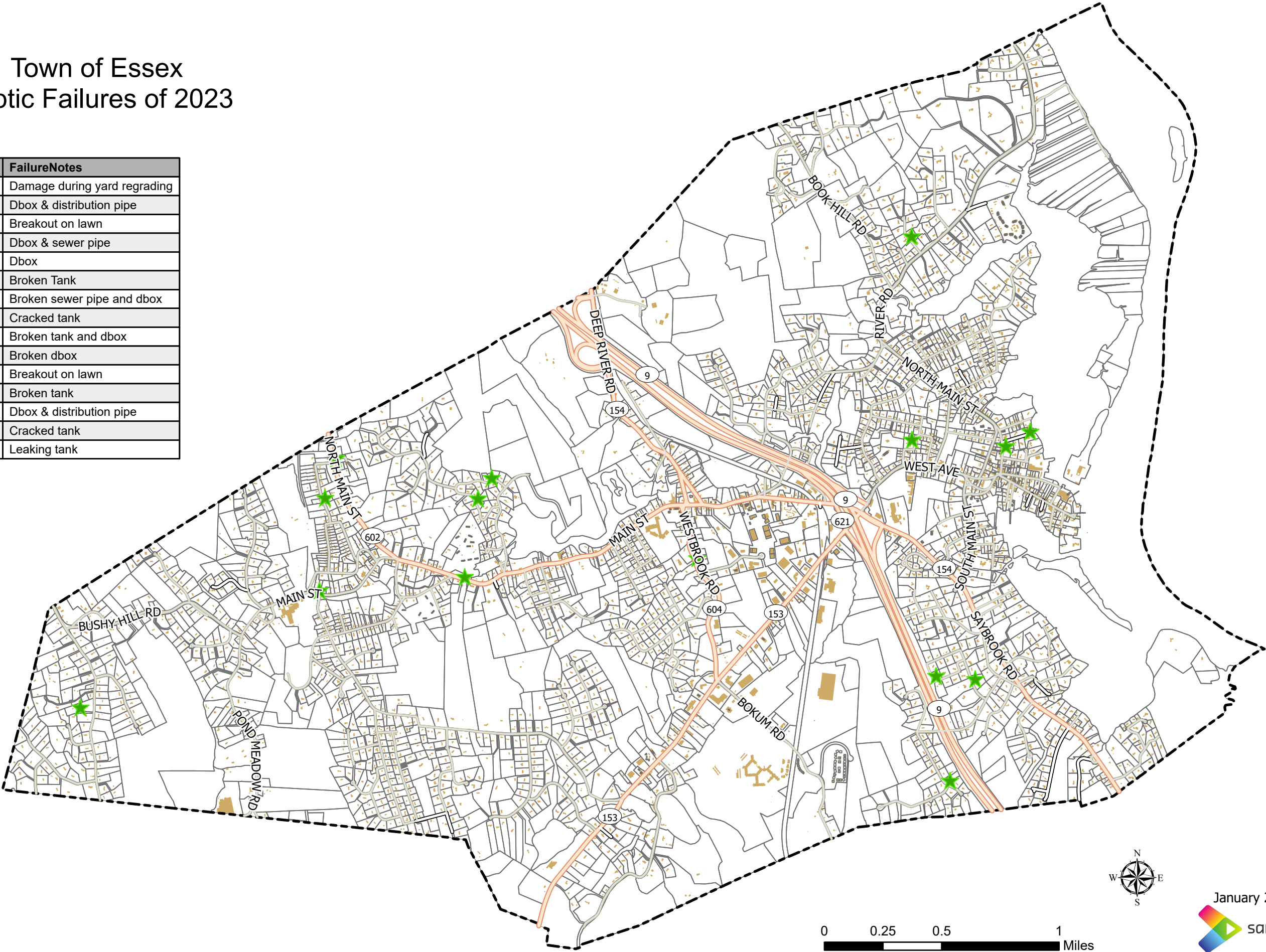
Permit Type: New Construction & Major Modifications

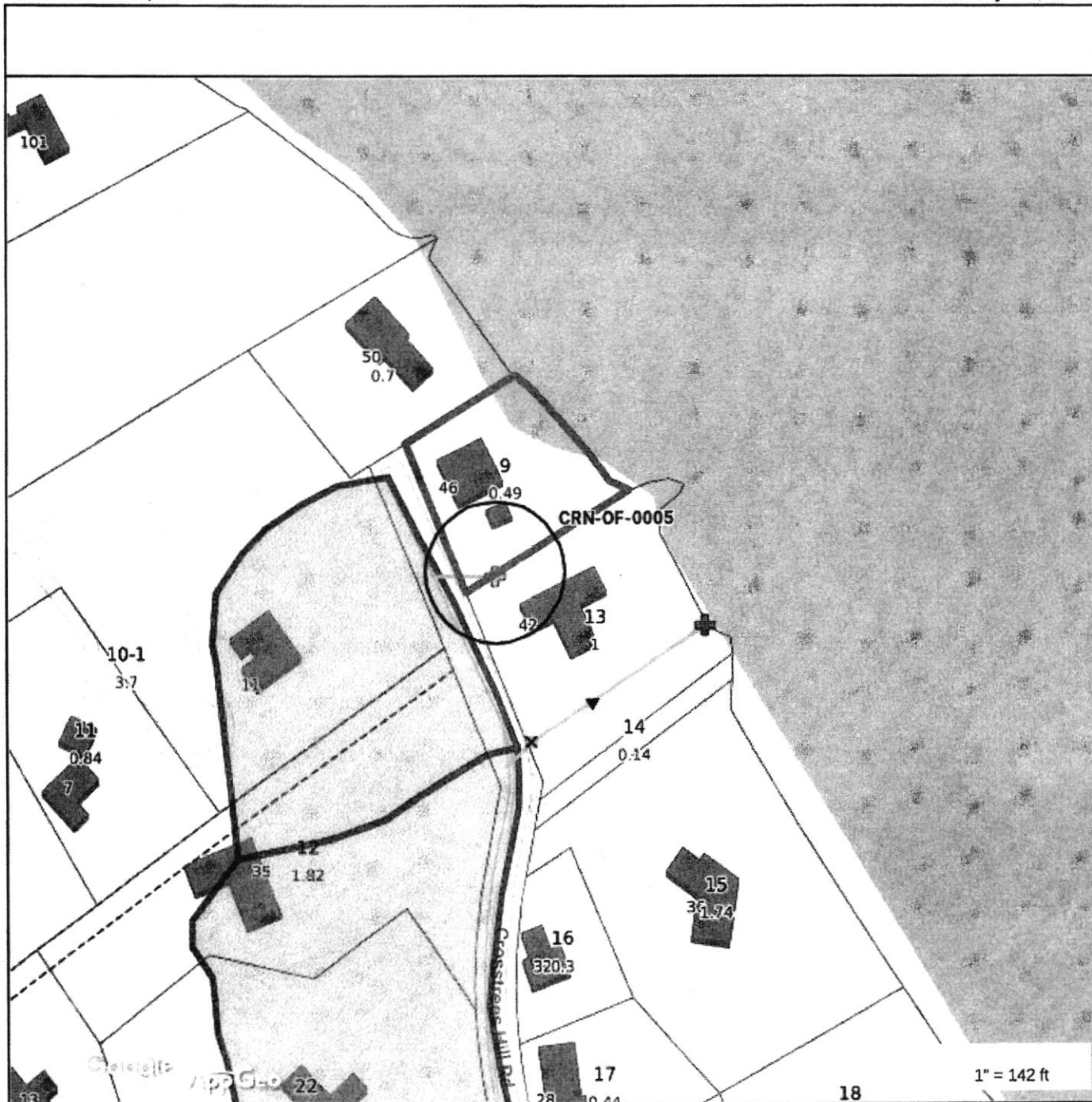
Name	#	Location	Year	Permit #	Issue Date	Reason
ROBERTS AMITY L	79	NORTH MAIN ST IVTN	2023	23-1SSC	4/5/2023	New construction
B & R SOLUTIONS LLC	13	DOGWOOD DR	2023	23-2SSC	6/7/2023	Home expansion & complete renovation
ZUNIGA DIEGO	42	SOUTH MAIN ST	2023	23-3SSC	9/13/2023	Home expansion & complete renovation
GEORGE C FIELD CO INC	43	BOKUM RD	2023	23-5SSC	12/7/2023	New construction
CORNERSTONECS LLC	6	BUDNEY HILL RD	2023	23-7SSC	12/20/2023	New construction
CLINE STEPHEN R SUCCESSOR TRUSTEE OF THE	83	WESTBROOK RD	2023	23-6SSC	12/13/2023	New construction



Town of Essex Septic Failures of 2023

Address	FailureDate	FailureNotes
17 Dickinson La	1/19/2023	Damage during yard regrading
9 Harbor View Dr	2/8/2023	Dbox & distribution pipe
7 Hudson La	4/4/2023	Breakout on lawn
56 West Hills Rd	5/2/2023	Dbox & sewer pipe
17 North Main St SX	5/9/2023	Dbox
26 Parker Terr	5/16/2023	Broken Tank
1 Budney Hill Rd	6/1/2023	Broken sewer pipe and dbox
147 Main St IVTN	7/20/2023	Cracked tank
57 Main St IVTN	7/26/2023	Broken tank and dbox
48 Lynn Rd	9/12/2023	Broken dbox
45 Westbrook Rd	10/23/2023	Breakout on lawn
13 Highland Terr	11/1/2023	Broken tank
3 Nutmeg La	11/13/2023	Dbox & distribution pipe
19 West Hills Rd	12/1/2023	Cracked tank
21 Harborview Dr S	12/7/2023	Leaking tank



**Property Information**

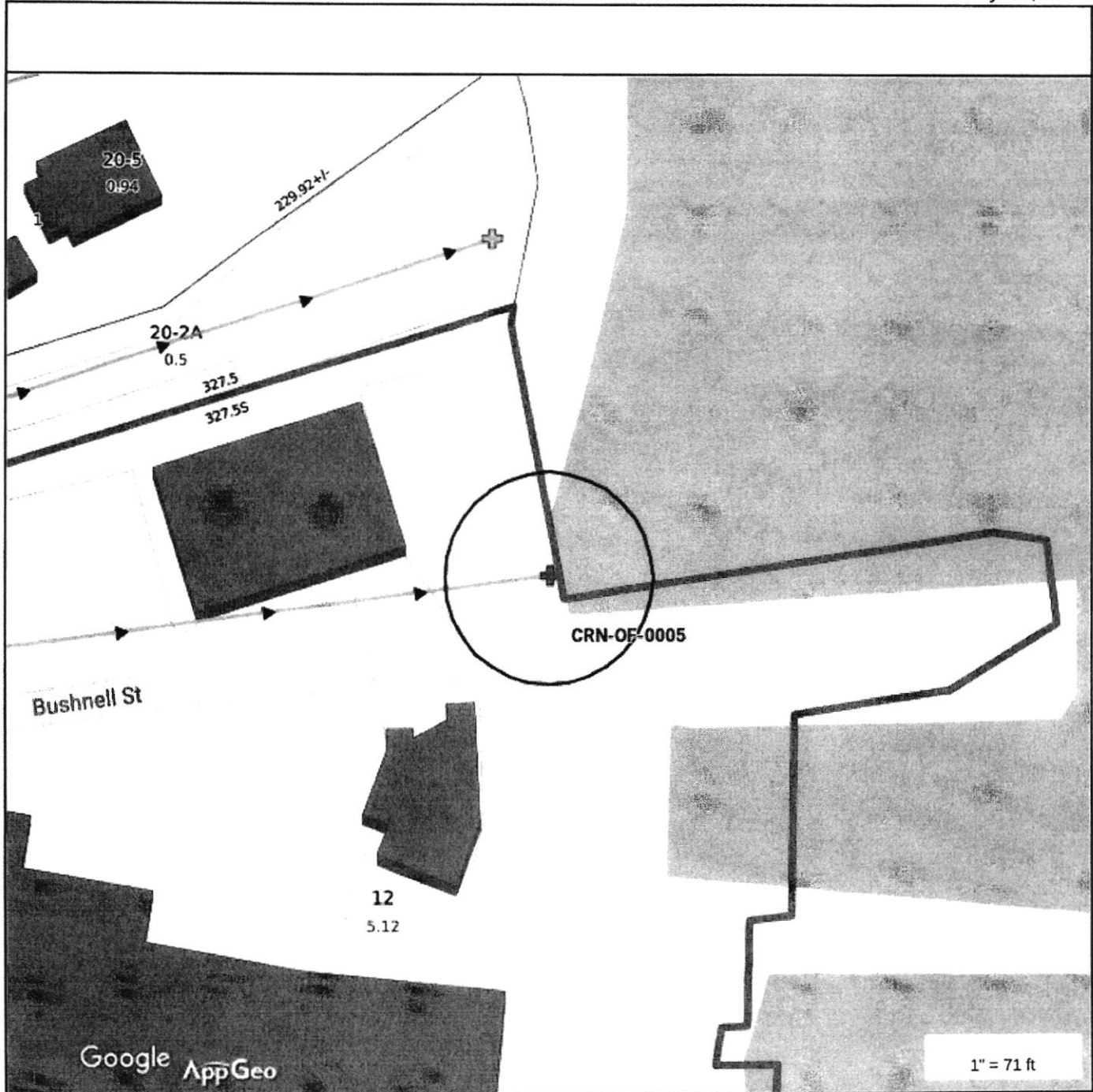
Property ID 70.9
Location 46 CROSSTREES HILL RD
Owner BERGANTINO CAROLYN A & PAUL M



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
Data updated 04/09/2020



Property Information

Property ID 47 12
Location 37 PRATT ST
Owner SHM DAUNTLESS LLC



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
Data updated 04/09/2020

Catchment Basin / Outfall Visual Parameters

ID #

CHW 01

0022

DRY WEATHER INSPECTION

PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 CLEAR DARK	minimal flow
Odor	1 2 3 4 5 6 7 8 9 10 NONE PUNGENT	outlet Below
Clarity	1 2 3 4 5 6 7 8 9 10 CLEAR OPAQUE	Tidy most of
Floating Solids	1 2 3 4 5 6 7 8 9 10 NONE COVERED	time
Settled Solids*	1 2 3 4 5 6 7 8 9 10 NONE 1/2" >1"	
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	Yes No	If yes- grab sample

DATE:

5-23-23

INSPECTOR NAME:

Rich Gally

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l

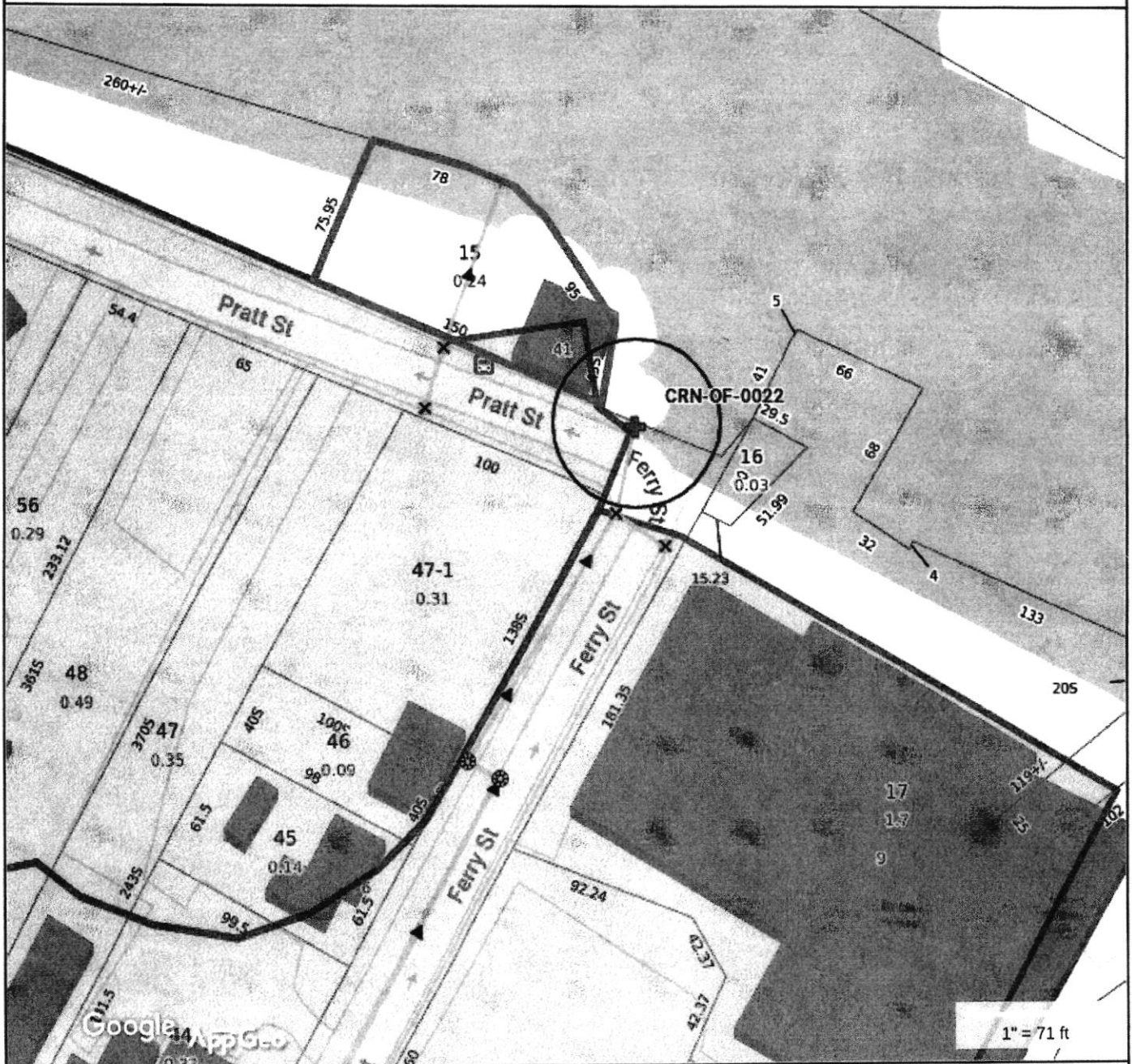
Total Phosphorus > 0.3 mg/l

field turbidity meter < 5.0 mg/L

Pratt Ferry

Town of Essex, CT

January 26, 2021



Property Information

Property ID 47 15
Location 41 PRATT ST
Owner LIGHTHOUSE LANDING INC



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
Data updated 04/09/2020

Catchment Basin / Outfall Visual Parameters

ID #

CRW of
0023

DRY WEATHER INSPECTION

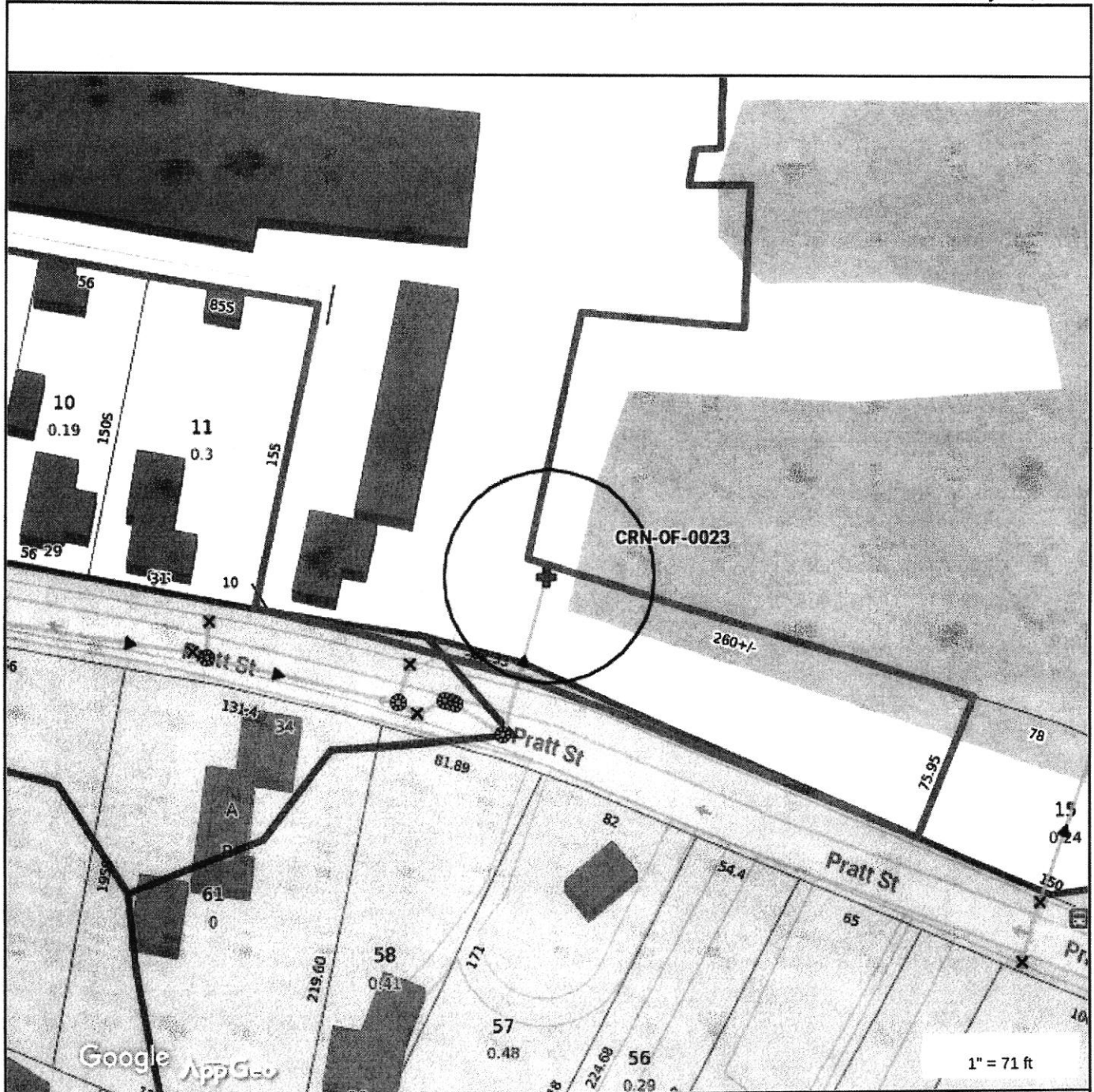
PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> CLEAR <input type="radio"/> DARK	
Odor	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> NONE <input type="radio"/> PUNGENT	red dots
Clarity	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> CLEAR <input type="radio"/> OPAQUE	faecal on top
Floating Solids	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> NONE <input type="radio"/> COVERED	of Bulkhead
Settled Solids*	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> NONE 1/2" >1"	
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> NONE <input type="radio"/> SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> NONE <input type="radio"/> SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 <input checked="" type="radio"/> NONE <input type="radio"/> FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	<input checked="" type="radio"/> Yes <input type="radio"/> No	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Galt

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l Total Phosphorus > 0.3 mg/l field turbidity meter < 5.0 mg/L



Property Information

Property ID 47 12
 Location 37 PRATT ST
 Owner SHM DAUNTLESS LLC



MAP FOR REFERENCE ONLY
 NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
 Data updated 04/09/2020

ID #

C.H.W. of
0008

Catchment Basin / Outfall Visual Parameters

DRY WEATHER INSPECTION

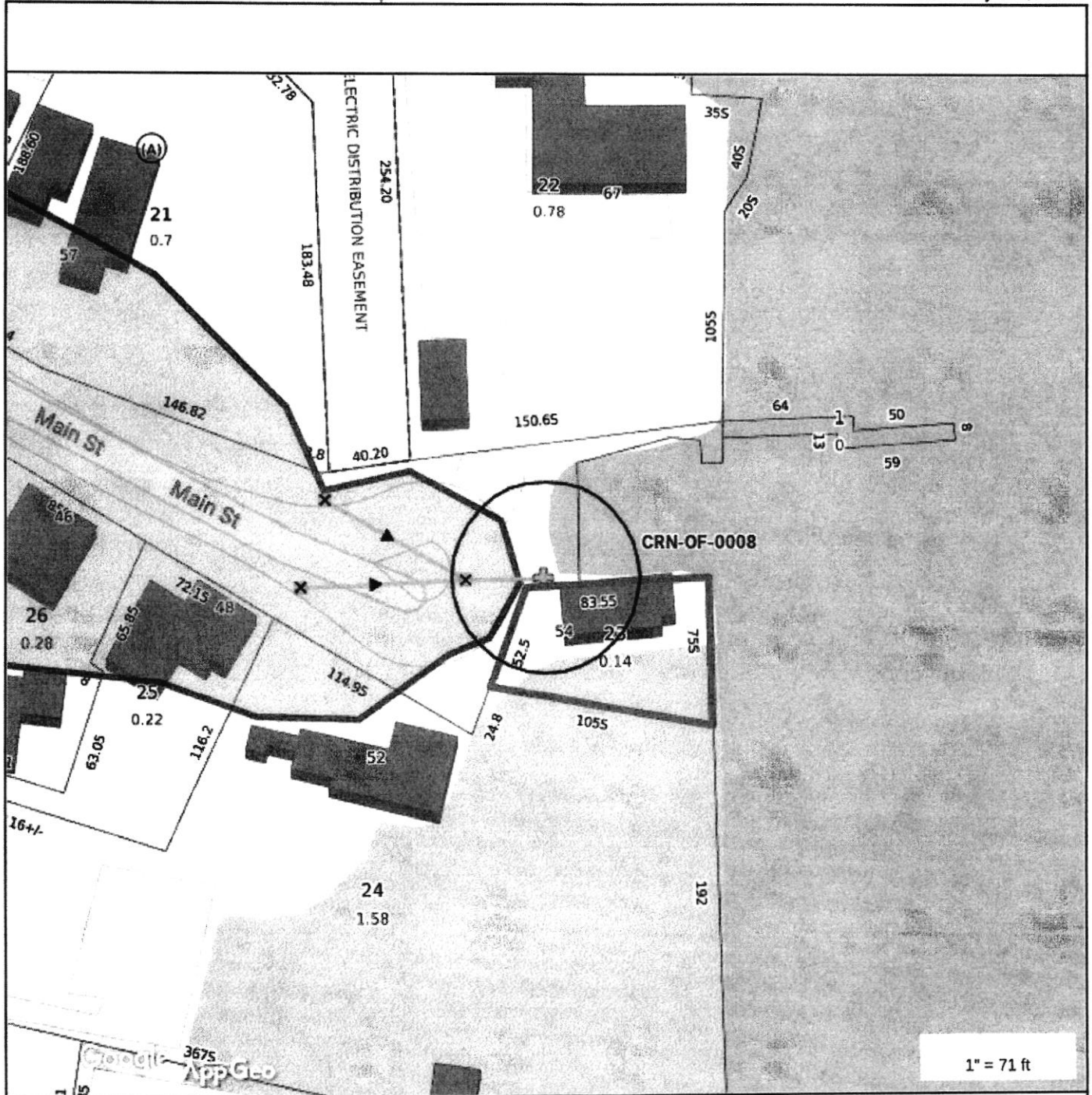
PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 CLEAR DARK	
Odor	1 2 3 4 5 6 7 8 9 10 NONE PUNGENT	
Clarity	1 2 3 4 5 6 7 8 9 10 CLEAR OPAQUE	
Floating Solids	1 2 3 4 5 6 7 8 9 10 NONE COVERED	
Settled Solids*	1 2 3 4 5 6 7 8 9 10 NONE 1/2" >1"	
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	Yes <input checked="" type="radio"/> No	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Galle

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l Total Phosphorus > 0.3 mg/l field turbidity meter < 5.0 mg/L



Property Information

Property ID 47 23
 Location 54 MAIN ST SX
 Owner LOVELACE RICHARD S JR



MAP FOR REFERENCE ONLY
 NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
 Data updated 04/09/2020

Catchment Basin / Outfall Visual Parameters

ID #

CW of
0003

DRY WEATHER INSPECTION

PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 <u>CLEAR</u> DARK	Minimal Flow
Odor	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> PUNGENT	Trickle
Clarity	1 2 3 4 5 6 7 8 9 10 CLEAR <u>OPAQUE</u>	
Floating Solids	1 2 3 4 5 6 7 8 9 10 NONE COVERED	
Settled Solids*	1 2 3 4 5 6 7 8 9 10 NONE 1/2" <u>>1"</u>	
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	Rust color in sediment
Flowing discharge?	<u>Yes</u> No	If yes- grab sample

DATE:

5-26-23

INSPECTOR NAME:

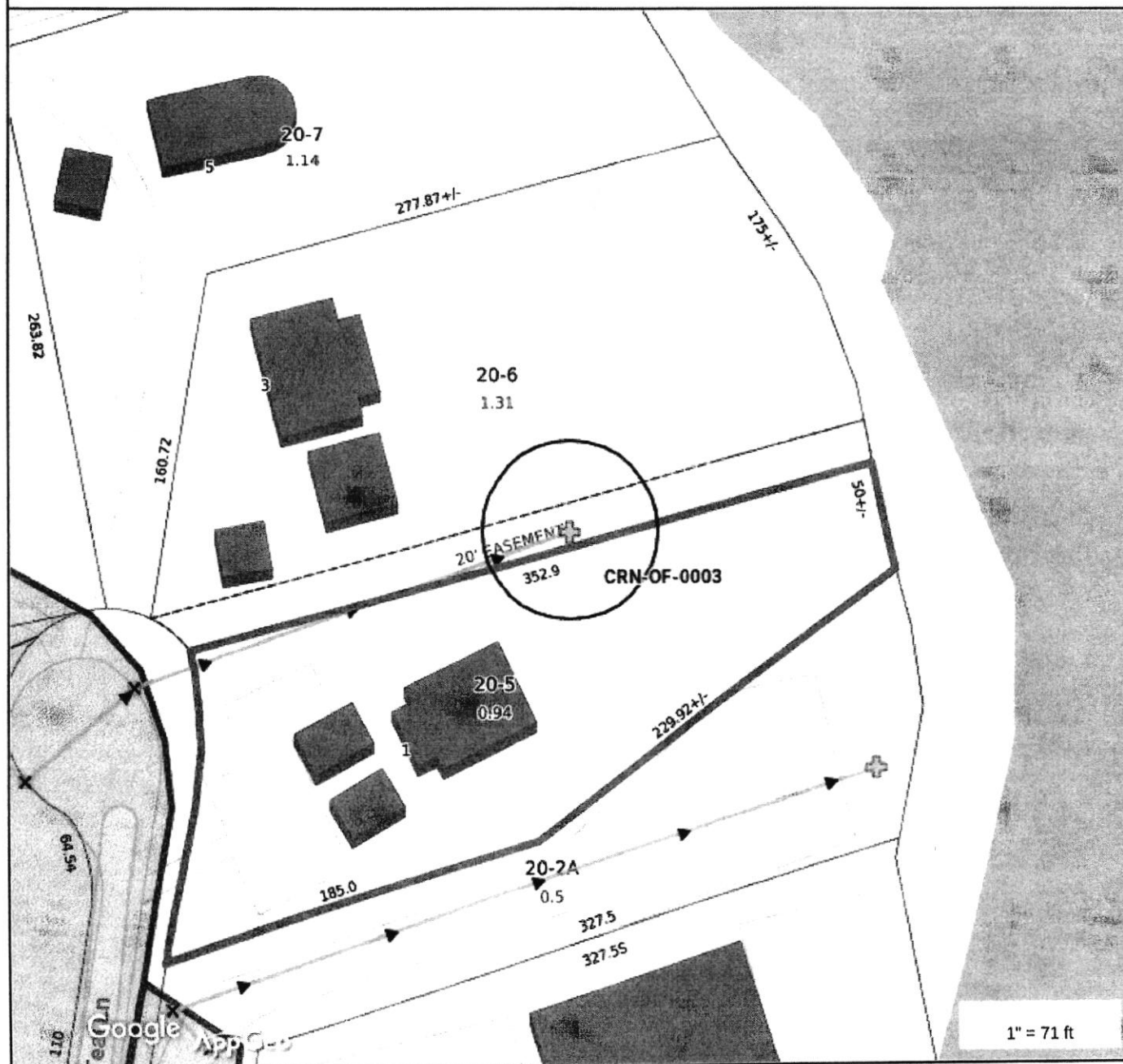
Rich Galla

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l

Total Phosphorus > 0.3 mg/l

field turbidity meter < 5.0 mg/L

**Property Information**

Property ID 31 20-5
Location 1 TEAL LA
Owner GOWRIE OFFICE LLC



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
Data updated 04/09/2020

Catchment Basin / Outfall Visual Parameters

ID #

CHW of
0004

DRY WEATHER INSPECTION

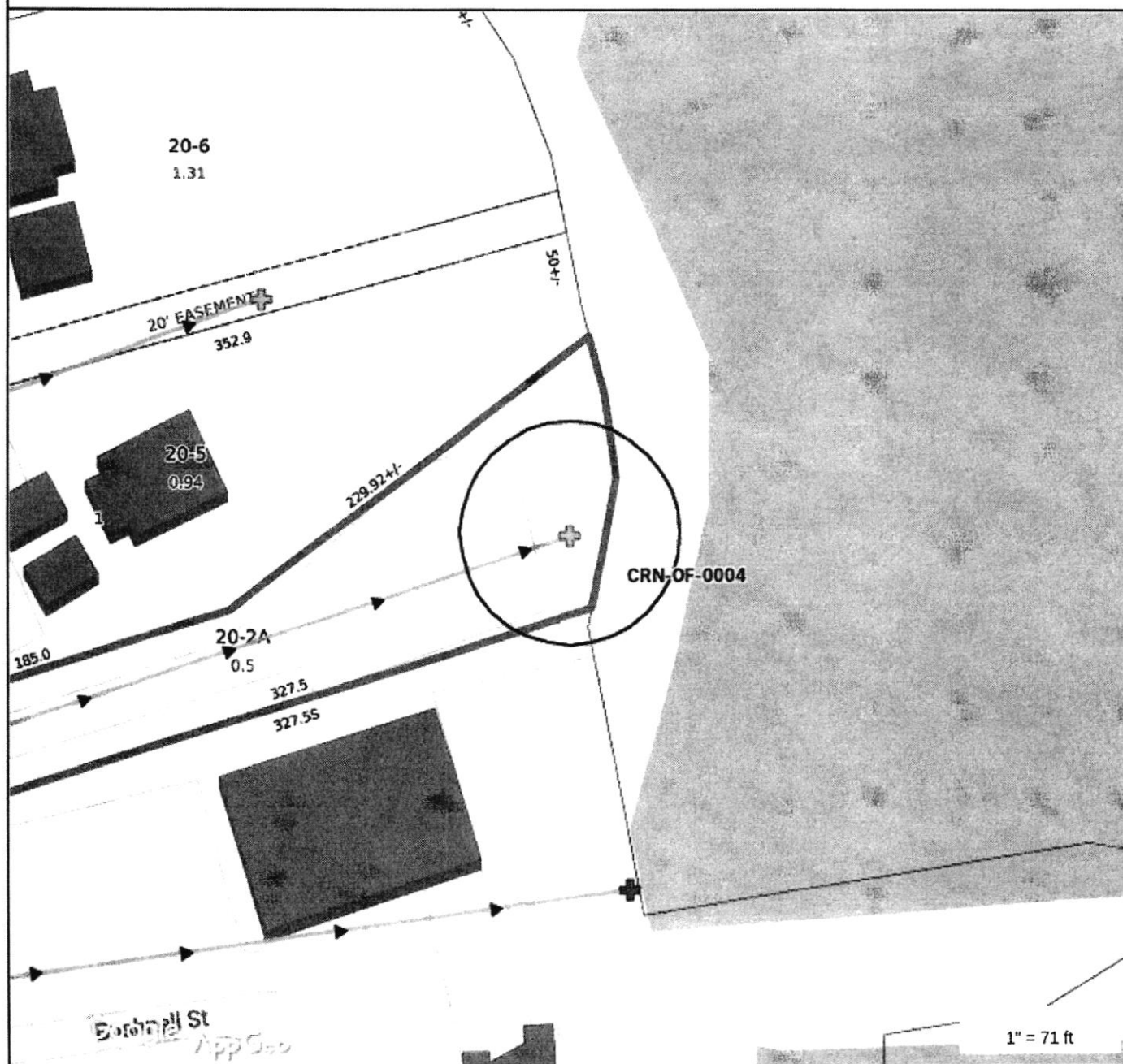
PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 CLEAR DARK	
Odor	1 2 3 4 5 6 7 8 9 10 NONE PUNGENT	
Clarity	1 2 3 4 5 6 7 8 9 10 CLEAR OPAQUE	
Floating Solids	1 2 3 4 5 6 7 8 9 10 NONE COVERED	
Settled Solids*	1 2 3 4 5 6 7 8 9 10 NONE 1/2" >1"	
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	Yes <u>No</u>	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Galla

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l Total Phosphorus > 0.3 mg/l field turbidity meter < 5.0 mg/L



Property Information

Property ID 31 20-2A
Location BUSHNELL ST
Owner ESSEX TOWN OF



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
Data updated 04/09/2020

Catchment Basin / Outfall Visual Parameters

ID # CRW of
0013

DRY WEATHER INSPECTION

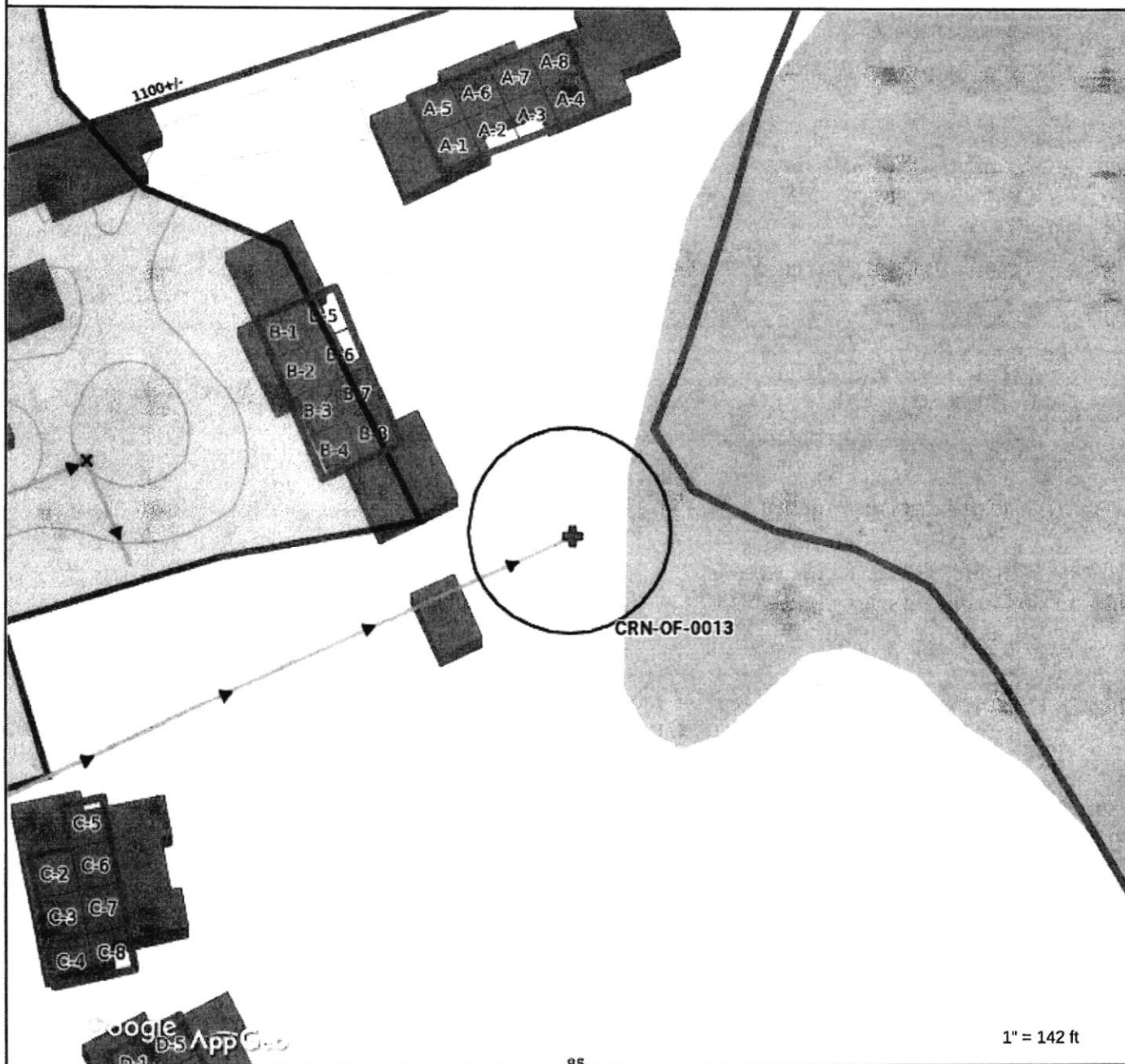
PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 CLEAR DARK	
Odor	1 2 3 4 5 6 7 8 9 10 NONE PUNGENT	
Clarity	1 2 3 4 5 6 7 8 9 10 CLEAR OPAQUE	
Floating Solids	1 2 3 4 5 6 7 8 9 10 NONE COVERED	
Settled Solids*	1 2 3 4 5 6 7 8 9 10 NONE 1/2" >1"	
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	Yes <u>No</u>	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Gault

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l Total Phosphorus > 0.3 mg/l field turbidity meter < 5.0 mg/L



Property Information

Property ID 127
 Location 85 RIVER RD #MAIN
 Owner



MAP FOR REFERENCE ONLY
 NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
 Data updated 04/09/2020

Catchment Basin / Outfall Visual Parameters

ID # CRN 07
0002

DRY WEATHER INSPECTION

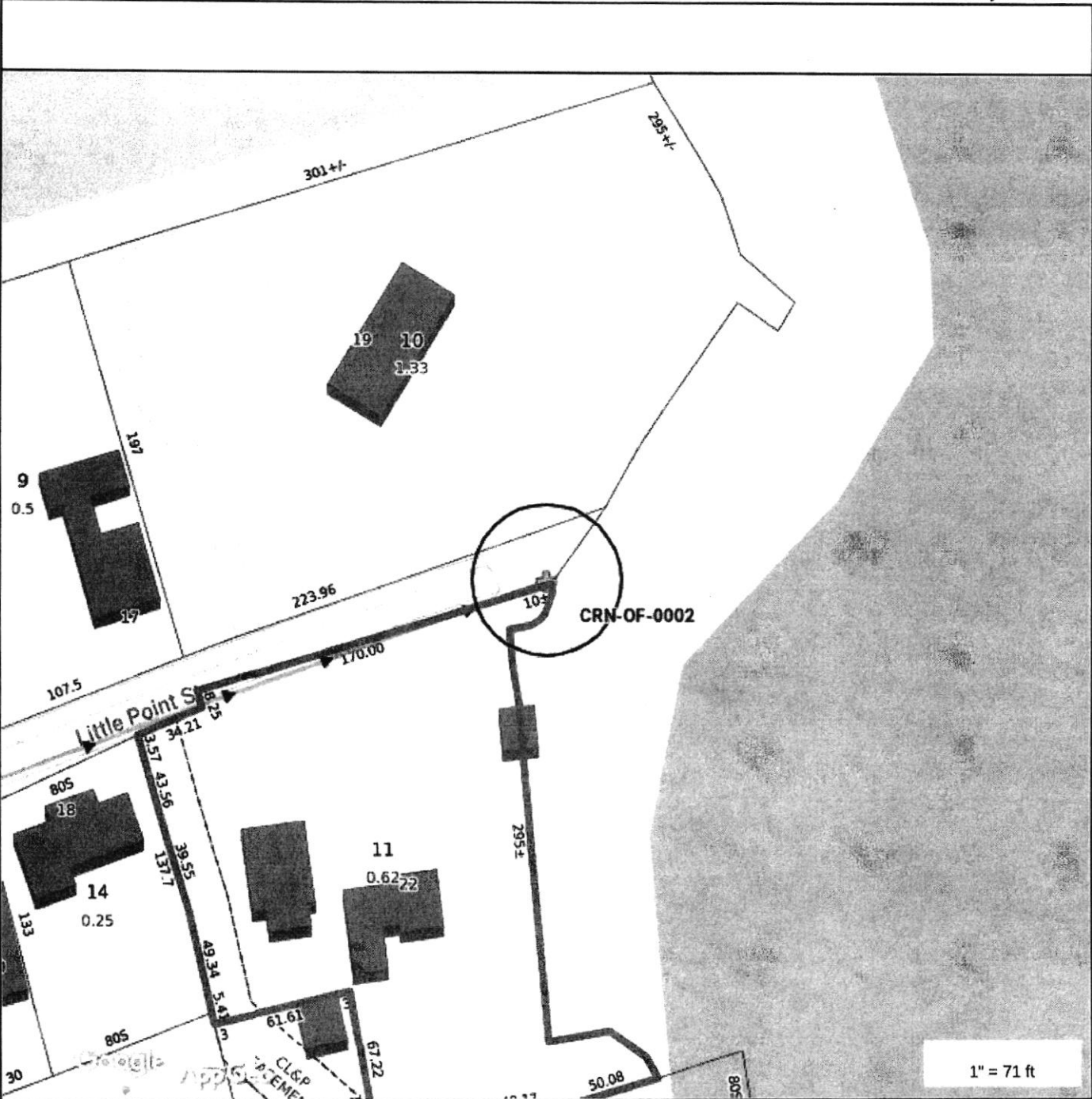
PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	<u>1</u> 2 3 4 5 6 7 8 9 10 CLEAR DARK	
Odor	<u>1</u> 2 3 4 5 6 7 8 9 10 NONE PUNGENT	<u>Barrel Flow</u>
Clarity	<u>1</u> 2 3 4 5 6 7 8 9 10 CLEAR OPAQUE	<u>Trickle</u>
Floating Solids	<u>1</u> 2 3 4 5 6 7 8 9 10 NONE COVERED	
Settled Solids*	<u>1</u> 2 3 4 5 6 7 8 9 10 NONE 1/2" >1"	
Suspended Solids*	<u>1</u> 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	<u>1</u> 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	<u>1</u> 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	<u>Yes</u> No	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Galla

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l Total Phosphorus > 0.3 mg/l field turbidity meter < 5.0 mg/L



<p>Property Information</p> <p>Property ID: 31 11</p> <p>Location: 22 LITTLE POINT ST</p> <p>Owner: ROSENGREN DAVID E & SALLY SHULMAN</p>	<div data-bbox="751 1521 867 1627"> </div> <p>MAP FOR REFERENCE ONLY NOT A LEGAL DOCUMENT</p> <p>Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.</p> <p>Geometry updated 04/09/2020 Data updated 04/09/2020</p>	
--	---	--

New
city-willow
5-26-23

Catchment Basin / Outfall Visual Parameters

ID # CRN-07
0009

DRY WEATHER INSPECTION

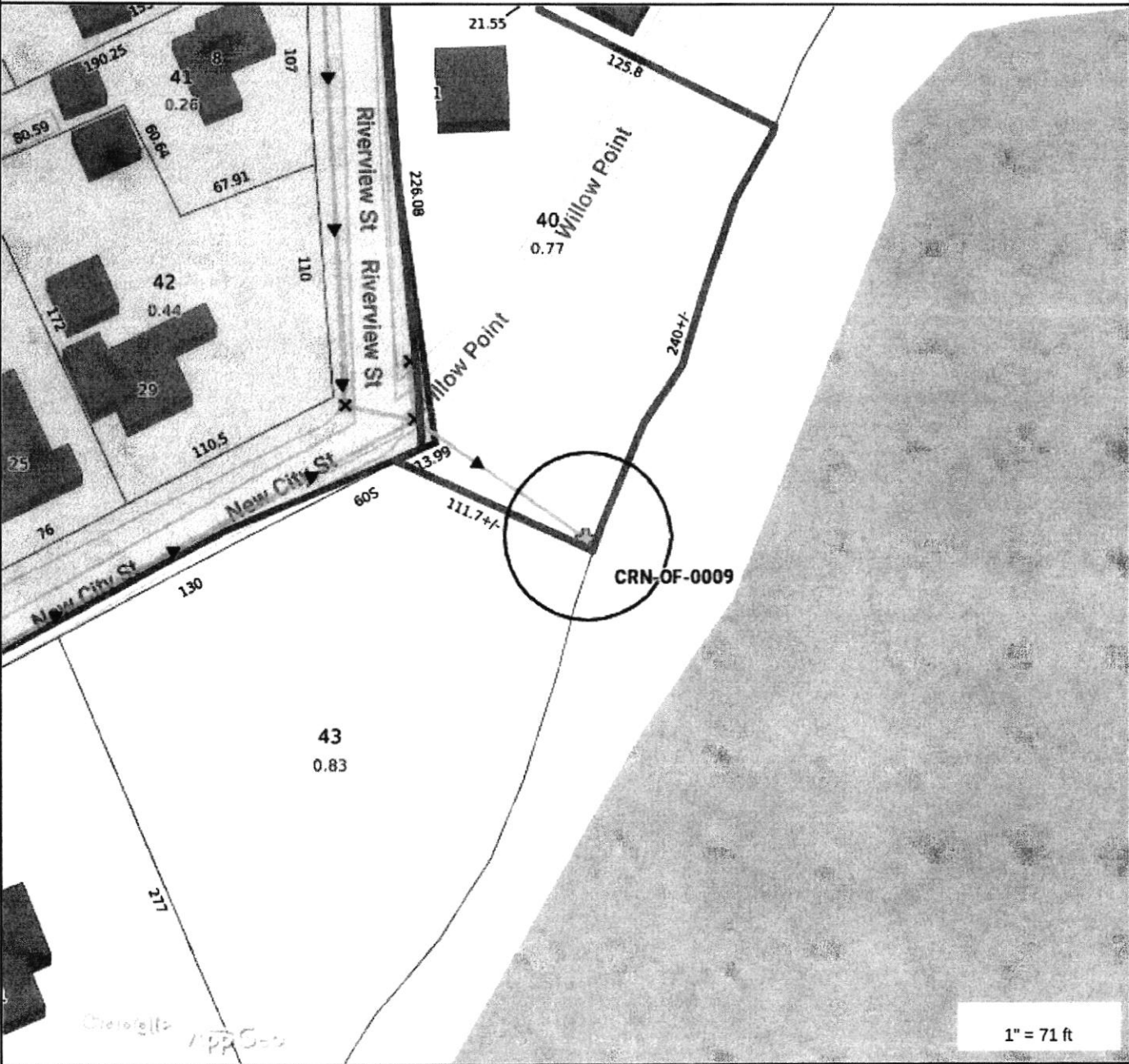
PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	① 2 3 4 5 6 7 8 9 10 CLEAR DARK	
Odor	① 2 3 4 5 6 7 8 9 10 NONE PUNGENT	
Clarity	① 2 3 4 5 6 7 8 9 10 CLEAR OPAQUE	
Floating Solids	① 2 3 4 5 6 7 8 9 10 NONE COVERED	
Settled Solids*	① 2 3 4 5 6 7 8 9 10 NONE 1/2" >1"	
Suspended Solids*	① 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Foam	① 2 3 4 5 6 7 8 9 10 NONE SIGNIFICANT	
Oil Sheen	① 2 3 4 5 6 7 8 9 10 NONE FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	Yes No	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Gallo

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l Total Phosphorus > 0.3 mg/l field turbidity meter < 5.0 mg/L



Property Information

Property ID 28 40
Location 1 RIVERVIEW ST
Owner DOYEN SERGE J & BURD PATRICIA A



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/09/2020
Data updated 04/09/2020

ID #

C.R.N.
of 0021

Catchment Basin / Outfall Visual Parameters

Barly → middle cov

DRY WEATHER INSPECTION

PARAMETER	EVALUATION (1 to 10 Scale, 1=Good, 10=Bad)	COMMENTS / DESCRIPTION / POTENTIAL SOURCE
Color	1 2 3 4 5 6 7 8 9 10 <u>CLEAR</u> DARK	Pipe thru
Odor	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> PUNGENT	Bulkhead
Clarity	1 2 3 4 5 6 7 8 9 10 <u>CLEAR</u> OPAQUE	red arrow pointed
Floating Solids	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> COVERED	Pipe 3/4 Blocked
Settled Solids*	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> 1/2" >1"	with - wood ?? !!
Suspended Solids*	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> SIGNIFICANT	
Foam	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> SIGNIFICANT	
Oil Sheen	1 2 3 4 5 6 7 8 9 10 <u>NONE</u> FREE PRODUCT	
Other signs of stormwater pollution (note each)	1 2 3 4 5 6 7 8 9 10	
Flowing discharge?	<u>Yes</u> No	If yes- grab sample

DATE: 5-26-23

INSPECTOR NAME: Rich Gella

Phosphorus, Nitrogen, or Bacteria is a Stormwater Pollutant of Concern. Field turbidity meter

Total Nitrogen > 2.5 mg/l

Total Phosphorus > 0.3 mg/l

field turbidity meter < 5.0 mg/L

Geometry updated 04/09/2020
Data updated 04/09/2020

Town of Essex, CT Drainage Map

Legend

Drain Outfall

- Municipal (207)
- State (66)
- Private (13)

Catch Basin

- Municipal (967)
- State (221)
- Private (88)

Feature Point

- Municipal (177)
- State (38)
- Private (27)

Drain Manhole

- Municipal (48)
- State (15)
- Private (2)

Drain Line

- Municipal (1,072)
- State (238)
- Private (108)

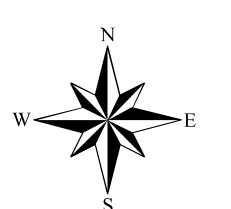
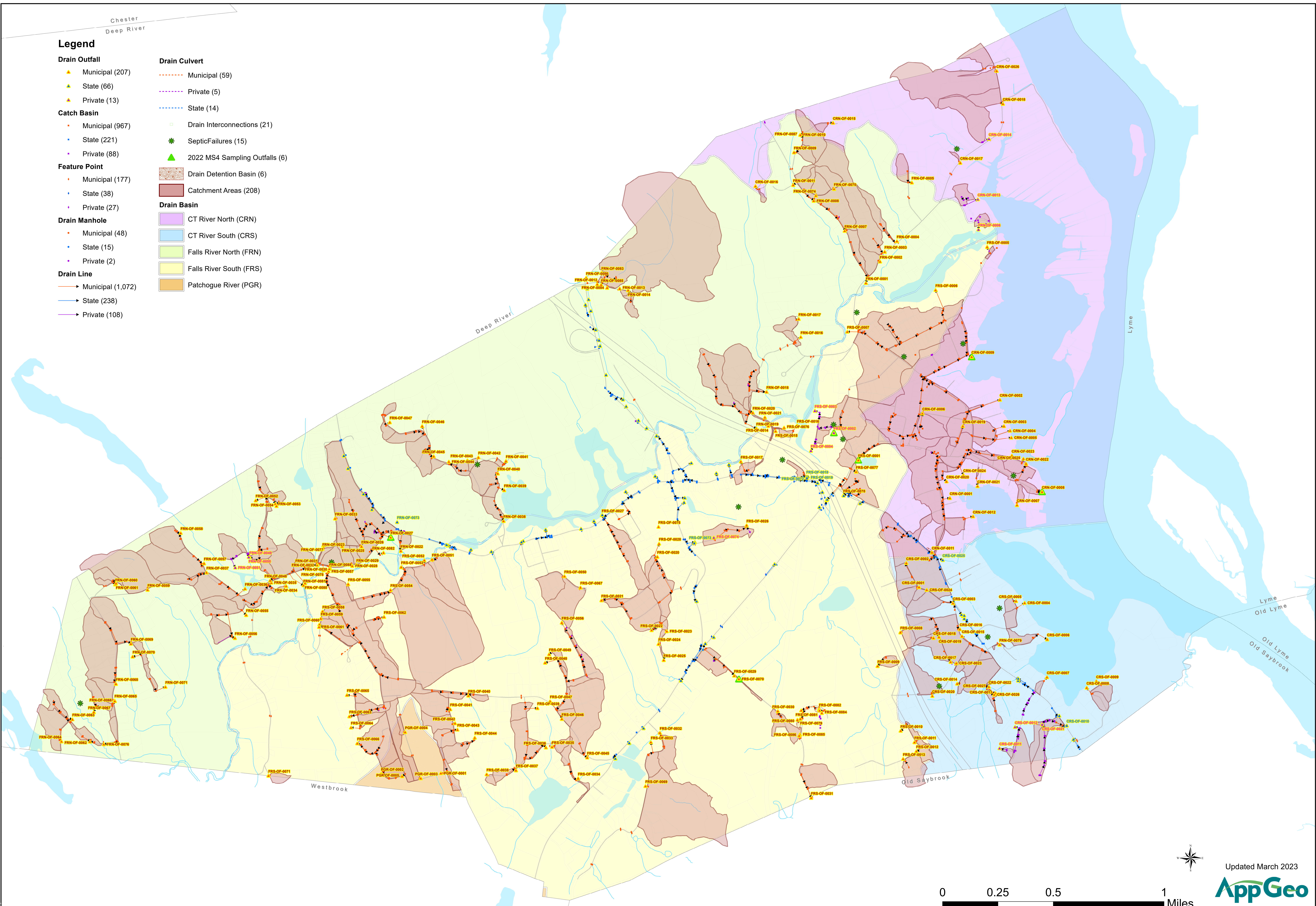
Drain Culvert

- Municipal (59)
- Private (5)
- State (14)
- Drain Interconnections (21)
- Septic Failures (15)
- 2022 MS4 Sampling Outfalls (6)

- Drain Detention Basin (6)
- Catchment Areas (208)

Drain Basin

- CT River North (CRN)
- CT River South (CRS)
- Falls River North (FRN)
- Falls River South (FRS)
- Patchogue River (PGR)



Updated March 2023



CATCH BASIN DRAINAGE AND REPAIR 2023

TOWN OF ESSEX, CT

PUBLIC WORKS AND HIGHWAY DEPARTMENT

IN 2023 DRAINAGE UP-GRADES AND REPAIRS WERE MADE TO THE FOLLOWING LOCATIONS:

May (5)

25 Comstock Avenue - new catch basin concrete curb top set to grade- made necessary repairs to block work.

27 Comstock Avenue - new catch basin concrete curb top set to grade- made necessary repairs to block work.

29 Comstock Avenue - new catch basin concrete curb top set to grade- made necessary repairs to block work.

31 Comstock Avenue - new catch basin concrete curb top set to grade- made necessary repairs to block work.

35 Comstock Avenue - new catch basin concrete curb top set to grade- made necessary repairs to block work.

JUNE (4)

62 North Main Street new catch basin curb top set to grade- made necessary repairs to block work.

66 North Main Street - new catch basin flat top set to grade- made necessary repairs to block work.

68 North Main Street - new catch basin curb top set to grade- made necessary repairs to block work.

67 North Main Street - new catch basin curb top set to grade- made necessary repairs to block work.

JULY (6)

28 River Road- South side new type 1 catch basin top set. Modified existing sump to fit new type 1 top.

28 River Road- North side new type 1 catch basin top set. Modified existing sump to fit new type 1 top.

35 River Road- new concrete curb top set. Installed new sump and connected to existing headwall.

21 River Road- new concrete curb top set. Installed new sump and new outlet pipe.

9 River Road- installed new concrete catch basin top with new sump and outlet pipe.

25 River Road- installed new concrete catch basin top with new sump and outlet pipe.

NOVEMBER (3)

12 North Winds Drive- new catch basin curb top set to grade- made necessary repairs to block work.

27 Lynn Road- North side new catch basin curb top set to grade- made necessary repairs to block work.

27 Lynn Road- South side new catch basin curb top set to grade- made necessary repairs to block work.

2023 BATCH BASIN CLEANING RECORD

Town of Essex, Public Works Department

Basins cleaned by Janet Sweeping Company,
Meriden CT

In July 2023 the catch basins on the following roads
were cleaned: **(340 total catch basins cleaned)**

ABBY LN

BUSHNELL ST

CAPTINS WALK

CEDAR GROVE TERR

HARBOR VIEW DR

HARBOR VIEW N

HARBOR VIEW S

CEDAR GROVE TERR EXT

CHAMPLIN SQ

CLARK LN

CROSTREES HILL RD

ESSEX HILLS DR

ESSEX SQ

EVANS LN

FERRY ST

FOXBORO RD

GATES RD

GRANDVIEW TERR

GROVE ST

HEMLOCK D

HERON POND RD

HILLSIDE DR

HUNTERS TRL

KINGS LN

LITTLEPOINT ST

MACK LN

MAIN ST ESX

MALLARD PT

MAPLE AVE

NEWCITY ST

NORTH MAIN ST ESX

PARKER TERR

PARTRIDGE LN

PRATT ST

PROSPECT ST

RIVERVIEW ST

SOUTH MAIN ST

SPINAKE LN

SQUIRES LN

STAMFORD HILL RD

SUNSET TERR

TEAL LN

TURNSTONE RD

WATERSIDE LN

WEST AVE

Construction Sites in the Town of Essex

Last updated 02/02/24

Street #	Address	Name	Project	Map	Lot	Zone	MS4/E&S BMPs	Date building permit issued	CO Issued
6	Budney Hill Rd	Cornerstone CS LLC	New single family home	38	8	RUM		10/25/2023	
11	Earl Street, Centerbrook	James Daly and Carolyn Trotta	New single family home	43	81	VR	E&S- silt fence; proposed an infiltrator and yard drain	1/23/2023	
43	Bokum Road, Essex	George C Field Company, Inc	Retaining wall and Building 1- 28,770 Sq ft building as shown on approved plans	67	4	LI	E&S- silt fence; retention basins/stormwater wetlands being created; hydrodynamic separators to be installed	3/20/2023	
8	Heron Pond Rd, Essex	Robert and Lynn Keller	New single family home	71	5	RU	E&S- silt fence	10/5/2023	
54	Main Street, Essex	Annelisa Santoro	Renovations to existing boathouse and landscaping	47	23	WF		5/9/2023	June 2023 completed
46	Main Street, Essex	Heidi Kunzli	Demo of an existing garage and addition of sunroom	47	26	EV			
130	Mares Hill Road	Dana and Kevin Lefebvre	New single family home	82	11	RU			
13	Novelty Essex	Essex Yacht Club	Addition of an elevator shaft on the north side of the building	50	5	WF	E&S- silt fence		
13	Novelty Essex	Essex Yacht Club	Removal of pavement and replacement with sod; creation of pervious driveway for access to boat slips	50	5	WF	E&S- silt fence	N/A	
15	Novelty Essex	William Bowers and Joanne Kenndey	Installation of a patio and possibly an inground pool	50	5-1	WF			
5	River Road	Kristine Thomas	Addition to a single family home	17	4	RU		12/16/2022	
20	River Road Essex	Matthew and Jean Walston	Dredging existing pond, renovating house including raising the strucutre, inground pool construction	18	2	RU	E&S- silt fence; pond dredged for more capacity;	4/1/2022	
	River Road Sidewalk Project	Town of Essex	Construct new sidewalk along River Road from Falls River bridge to Heritage Cove	numerous	numerous	VR	E&S- silt fence hay bales; installation of CBs with sumps	N/A	N/A
63	South Main Street, Essex	Keith Crehan	Demolition of exisiting structures and clear cutting of trees	46	33	RU		11/20/23- demo permits issued	Completed Jan 2023
42	South Main, Essex	Diego Zuniga	Addition to existing single family home	46	46	RU	E&S- silt fence; roof drains existing to the lawn	1/30/2024	
83	Westbrook Road	Steven Cline/Successor Trustee	10,000 sq ft athletic facility	54	18	LI	E&S- silt fence; bioretention basin proposed to handle roof drains	3/14/2023	

Wang

[illegible]

ROAD SWEEPING REPORT 2023

TOWN OF ESSEX PUBLIC WORKS AND HIGHWAY DEPARTMENT

It is necessary to continually sweep town-maintained roads throughout the year. The collection of sand, leaves, dirt, litter and other debris is part of our best management practice to ensure clean streets, drainage and waterways.

Approx. 269 yards of debris collected in 2023

3/17/2023

Comstock Ave, Baldwin Ln, Read St, Terrace, Ivory St, Mikes Terr, Park Rd, Beechwood Dr, Stonebrook Dr, Walnut St. 12 yds.

3/21/2023

Main St Ivoryton, Busy Hill Rd, Cheney St, Harmony Ln, Melody Ln, Keyboard Ln, Chord Ln, Hickory Ln, Westwood Rd, Town Woods Rd, Piney Branch Rd. 8 yds.

3/22/2023

Town Hall Parking lot, Post Office parking lot, Main St Essex, Ferry St, Bushnell St, North Main St, Cross St, South Main St. 8 yds.

3/23/2023

Woodland Dr, Ridge Rd, oak Dr, Brich Cir, Dogwood Dr, Main St Essex, Ferry St, Pratt St. 6yds.

3/24/2023

Industrial Park Rd, Bokum Rd, Ingham Hill Rd. 12 yds.

3/27/2023

Mares Hill Rd, Old Dobbin Rd, Windswept Ridge Rd, Windermere Way Rd, Birch Mill Tr, South Winds Dr, North Winds Dr, Carol Dr, Partridge Hill Ln, South Main St, Hill Top Ave. 12 yds.

3/28/2023

Fordham Rd, Hemlock Dr, Turnstone Rd, Crosstrees Rd, Mallard Pt Rd, Stanford Hill Rd, Orchard Heights Rd, Gates Rd, Cedar Grove Ter, Harbor View North and South, Cove Hill Rd, Captains Walk Rd. 8 yds.

3/29/2023

Bushy Hill Rd, Oak Ledge Dr, Brooks Ln, Hopper Rd, Lynn Rd, Winthrop Hills Rd, Rachel Ln, Deer Ln, Pine Lake Rd, Blake St, Oak St, Chestnut St, Highland Ter, Budney Hill Rd. 8 yds.

3/30/2023

River Rd, Andrews Rd, Lookout Hill Rd, River Rd Dr, Hudson Ln, Carriage Ln. 8 yds.

4/10/2023

Book Hill Rd, Navy Ln, Meadow Woods Rd, Ox Bow Ln, Canfield Rd, Book Hill Woods Rd, Maple Ave, Clark Ln, Kings Ln, Foxboro Ln, Riverview St, New City St, Prospect St, High St. 8 yds.

4/11/2023

Dennison Rd, Donald Rd, Dennison Ln, Curiosity Ln, Laurel Rd, Sunset Ter, Grandview Ter, Parker Ter. 10 yds.

4/12/2023

Dennison Rd, Primrose Ledge Rd, Eagle Ridge Rd, Old Dennison Rd, Old Dennison Rd 2, Chales St, Cedar St, Earl St, View St. 6 yds.

4/13/2023

Falls River Dr, West Hills Dr, Mitchell Ter, Bittersweet Ln, Mitchell Cir, Conklin Ave, Verona St, Edgewood Ave, Fairview St. 16 yds.

4/17/2023

Pond Meadow Rd, Toby Hill Rd, Ebony Ln, Fife Ct, Rosewood Ln. 8 yds.

4/21/2023

Grove St, Town Hall parking lot, Fire Department and Commuter Lot, Essex Hills Dr, Squire Ln. 2yrd.

8/17/2023

Ebony Ln, Rosewood Ln, Comstock Ave, Town Woods Rd, Westwood Rd, Chestnut St, Blake St, Summit St, Highland Ave, Fife Ct. 4 yds.

8/28/2023

Ebony, Rosewood, Fife Ct, Comstock Ave, Westwood Rd, Town Woods Rd. 2 yds.

9/8/2023

Comstock Ave, Baldwin Ln, Terrace Ln, Ivory St, Ebony Ln, Fife Ct, Rosewood Ln. Collecting Chip Seal loose stone. 30yds.

9/11/2023

Town Woods Rd, Westwood Rd, Ebony Ln, Fife Ct, Rosewood Ln, Comstock Ave, Ivory St, Terrace Ln.
Collecting Chip Seal loose stone. 20 yds.

9/26/2023

Comstock Ave, Ivory St, Ebony Ln, Fife Ct, Rosewood Ln. 8 yds.

9/29/2023

Main St Essex, Pratt St, Ferry St, Post Office parking lot. 2 yds.

10/27/2023

Main St Ivoryton, Walnut St, Ivory St. 2 yds.

11/27/2023

Comstock Ave, Walnut St, Town Woods Rd, West Wood Rd, Mikes Terrace. 8 yds.

11/28/2023

Summit St, Blake St, Oak Dr, Highland Ave, Main St Ivoryton, Ebony Ln, Fife Ct, Rosewood Ln, Cheney St,
Ivory St, Edgewood Ave, Fairview St. 12 yds.

11/29/2023

West Ave, South Main, Main St, Ferry St, Pratt St, North Main St, Grove St, Prospect St, High St, Grove St,
Dump Rd. 10 yds.

12/5/2023

Woodland Dr, Ridge Rd, Dogwood Dr, Ingham Hill Rd, Fordham Rd, Hemlock Rd, Mallard Pt Rd, Gates Rd,
Cove Hill Rd, Cedar Grove Ter. 12yds.

12/8/2023

Main St Ivoryton, Pond Meadow Rd. 6 yds.

12/15/2023

Fire Station parking lot, West Ave near Town Hall, North Main St, Prospect St, Plaza Dr, Parker Ter. 8 yds.

12/20/2023

Cedar Grove, Hill Side Dr, Cedar Grove Ter Ext, Nutmeg Ln, Hunters Trail, Crosstrees Hill Rd, Hill Top Ave,
Partridge Hill Ln. 10yds.

12/22/2023

Woodland Dr, Ingham Hill Rd, Bokum Rd, Mares Hill Rd. 9 yds.

2022-2023 Annual Sand and Salt usage

Town of Essex, CT

Department of Public Works

Required to manage: Winter snow and ice control

88 Tons- Blizzard Wizard treated sugar cane molasses salt

264 Tons- Washed winter road sand

1005 BOSTON POST ROAD
MADISON, CT 06443
Phone 203-245-0568
FAX 203-318-0830
Connecticut Certification PH-0535
www.eclinonline.com



Report of Analysis

Name: Town of Essex - DPW
29 West Avenue
Essex, CT 06426
Attn: Mr. Ryan Welch
Sample Date: 12/28/2023
Receipt Date: 12/28/2023
Report Date: 1/10/2024
Sample Site: Sunset Terrace

Sample ID#: 166795
Sample Type: Water
Sample Source: MS4 Stormwaters
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Biological Coliform, E. Coli	579.4	MPN/100mL	Colilert-18	0	12/28/2023	WR
Chemical Ammonia as N	0.36	mg/L	ASTM D6919-03	0.05	1/9/2024	KC
Chlorine- Residual, Total	ND	mg/L	SM4500-Cl G	0.02	12/28/2023	JB
Nitrate as N	1.24	mg/L	EPA 300.0	0.1	12/28/2023	JB
Nitrite as N	ND	mg/L	EPA 300.0	0.01	12/28/2023	JB
Phosphorous -Total as P	0.09	mg/L	EPA 200.7	0.04	1/5/2024	JB
Salinity	<1.00	ppt	SM210B	1	1/3/2024	JB
Surfactants as MBAS	ND	mg/L	SM5540C	0.05	12/29/2023	CET
TKN as N	1.88	mg/L	4500NorgC	0.5	1/9/2024	KC
Physical Conductivity	126	umhos/cm	SM2510B	1	1/3/2024	JB
PH	6.60	pH	EPA 150.2	1	12/28/2023	JB
Temperature	45.1	F	SM2250B	1	12/28/2023	Client

DAVID BARRIS - LABORATORY DIRECTOR


JORDAN BARRIS - CO-DIRECTOR

ND = Not Detected

Comments CET - CT PH-0116.

1005 BOSTON POST ROAD
MADISON, CT 06443
Phone 203-245-0568
FAX 203-318-0830
Connecticut Certification PH-0535
www.eclinonline.com



Report of Analysis

Name: Town of Essex - DPW
29 West Avenue
Essex, CT 06426
Attn: Mr. Ryan Welch
Sample Date: 12/28/2023
Receipt Date: 12/28/2023
Report Date: 1/10/2024
Sample Site: Sunset Pond

Sample ID#: 166796
Sample Type: Water
Sample Source: MS4 Stormwaters
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Biological Coliform, E. Coli	613.1	MPN/100mL	Colilert-18	0	12/28/2023	WR
Chemical Ammonia as N	0.13	mg/L	ASTM D6919-03	0.05	1/9/2024	KC
Chlorine- Residual, Total	ND	mg/L	SM4500-Cl G	0.02	12/28/2023	JB
Nitrate as N	4.86	mg/L	EPA 300.0	0.1	12/28/2023	JB
Nitrite as N	ND	mg/L	EPA 300.0	0.01	12/28/2023	JB
Phosphorous -Total as P	0.08	mg/L	EPA 200.7	0.04	1/5/2024	JB
Salinity	<1.00	ppt	SM210B	1	1/3/2024	JB
Surfactants as MBAS	ND	mg/L	SM5540C	0.05	12/29/2023	CET
TKN as N	0.95	mg/L	4500NorgC	0.5	1/9/2024	KC
Physical Conductivity	150	umhos/cm	SM2510B	1	1/3/2024	JB
PH	6.21	pH	EPA 150.2	1	12/28/2023	JB
Temperature	44.2	F	SM2250B	1	12/28/2023	Client

DAVID BARRIS - LABORATORY DIRECTOR

JORDAN BARRIS - CO-DIRECTOR

ND = Not Detected

Comments CET - CT PH-0116.

1005 BOSTON POST ROAD
MADISON, CT 06443
Phone 203-245-0568
FAX 203-318-0830
Connecticut Certification PH-0535
www.eclinconline.com



Report of Analysis

Name: Town of Essex - DPW
29 West Avenue
Essex, CT 06426
Attn: Mr. Ryan Welch
Sample Date: 12/28/2023
Receipt Date: 12/28/2023
Report Date: 1/10/2024
Sample Site: Foot of Main

Sample ID#: 166797
Sample Type: Water
Sample Source: MS4 Stormwaters
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Biological Coliform, E. Coli	307.6	MPN/100mL	Colilert-18	0	12/28/2023	WR
Chemical Ammonia as N	0.08	mg/L	ASTM D6919-03	0.05	1/9/2024	KC
Chlorine- Residual, Total	ND	mg/L	SM4500-Cl G	0.02	12/28/2023	JB
Nitrate as N	0.48	mg/L	EPA 300.0	0.1	12/28/2023	JB
Nitrite as N	ND	mg/L	EPA 300.0	0.01	12/28/2023	JB
Phosphorous -Total as P	0.06	mg/L	EPA 200.7	0.04	1/5/2024	JB
Salinity	<1.00	ppt	SM210B	1	1/3/2024	JB
Surfactants as MBAS	ND	mg/L	SM5540C	0.05	12/29/2023	CET
TKN as N	0.80	mg/L	4500NorgC	0.5	1/9/2024	KC
Physical Conductivity	90.2	umhos/cm	SM2510B	1	1/3/2024	JB
PH	7.02	pH	EPA 150.2	1	12/28/2023	JB
Temperature	38.3	F	SM2250B	1	12/28/2023	Client

DAVID BARRIS - LABORATORY DIRECTOR

JORDAN BARRIS - CO-DIRECTOR

ND = Not Detected

Comments CET - CT PH-0116.

1005 BOSTON POST ROAD
MADISON, CT 06443
Phone 203-245-0568
FAX 203-318-0830
Connecticut Certification PH-0535
www.eclinonline.com



Report of Analysis

Name: Town of Essex - DPW
29 West Avenue
Essex, CT 06426
Attn: Mr. Ryan Welch
Sample Date: 12/28/2023
Receipt Date: 12/28/2023
Report Date: 1/10/2024
Sample Site: New City St.

Sample ID#: 166798
Sample Type: Water
Sample Source: MS4 Stormwaters
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Biological Coliform, E. Coli	435.2	MPN/100mL	Colilert-18	0	12/28/2023	WR
Chemical Ammonia as N	0.08	mg/L	ASTM D6919-03	0.05	1/9/2024	KC
Chlorine- Residual, Total	ND	mg/L	SM4500-Cl G	0.02	12/28/2023	JB
Nitrate as N	2.19	mg/L	EPA 300.0	0.1	12/28/2023	JB
Nitrite as N	ND	mg/L	EPA 300.0	0.01	12/28/2023	JB
Phosphorous -Total as P	0.05	mg/L	EPA 200.7	0.04	1/5/2024	JB
Salinity	<1.00	ppt	SM210B	1	1/3/2024	JB
Surfactants as MBAS	ND	mg/L	SM5540C	0.05	12/29/2023	CET
TKN as N	0.71	mg/L	4500NorgC	0.5	1/9/2024	KC
Physical Conductivity	89.2	umhos/cm	SM2510B	1	1/3/2024	JB
PH	7.02	pH	EPA 150.2	1	12/28/2023	JB
Temperature	48.2	F	SM2250B	1	12/28/2023	Client

DAVID BARRIS - LABORATORY DIRECTOR

JORDAN BARRIS - CO-DIRECTOR

ND = Not Detected

Comments CET - CT PH-0116.

1005 BOSTON POST ROAD
MADISON, CT 06443
Phone 203-245-0568
FAX 203-318-0830
Connecticut Certification PH-0535
www.eclinonline.com



Report of Analysis

Name: Town of Essex - DPW
29 West Avenue
Essex, CT 06426
Attn: Mr. Ryan Welch
Sample Date: 12/28/2023
Receipt Date: 12/28/2023
Report Date: 1/10/2024
Sample Site: Bokum Rd.

Sample ID#: 166799
Sample Type: Water
Sample Source: MS4 Stormwaters
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Biological Coliform, E. Coli	248.1	MPN/100mL	Colilert-18	0	12/28/2023	WR
Chemical Ammonia as N	0.06	mg/L	ASTM D6919-03	0.05	1/9/2024	KC
Chlorine- Residual, Total	ND	mg/L	SM4500-Cl G	0.02	12/28/2023	JB
Nitrate as N	0.29	mg/L	EPA 300.0	0.1	12/28/2023	JB
Nitrite as N	ND	mg/L	EPA 300.0	0.01	12/28/2023	JB
Phosphorous -Total as P	0.05	mg/L	EPA 200.7	0.04	1/5/2024	JB
Salinity	<1.00	ppt	SM210B	1	1/3/2024	JB
Surfactants as MBAS	ND	mg/L	SM5540C	0.05	12/29/2023	CET
TKN as N	0.66	mg/L	4500NorgC	0.5	1/9/2024	KC
Physical Conductivity	59.4	umhos/cm	SM2510B	1	1/3/2024	JB
PH	6.63	pH	EPA 150.2	1	12/28/2023	JB
Temperature	46.2	F	SM2250B	1	12/28/2023	Client

DAVID BARRIS - LABORATORY DIRECTOR

JORDAN BARRIS - CO-DIRECTOR

ND = Not Detected

Comments CET - CT PH-0116.

1005 BOSTON POST ROAD
MADISON, CT 06443
Phone 203-245-0568
FAX 203-318-0830
Connecticut Certification PH-0535
www.eclinonline.com



Report of Analysis

Name: Town of Essex - DPW
29 West Avenue
Essex, CT 06426
Attn: Mr. Ryan Welch
Sample Date: 12/28/2023
Receipt Date: 12/28/2023
Report Date: 1/10/2024
Sample Site: Ivoryton Library

Sample ID#: 166800
Sample Type: Water
Sample Source: MS4 Stormwaters
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Biological Coliform, E. Coli	980.4	MPN/100mL	Colilert-18	0	12/28/2023	WR
Chemical Ammonia as N	0.07	mg/L	ASTM D6919-03	0.05	1/9/2024	KC
Chlorine- Residual, Total	ND	mg/L	SM4500-Cl G	0.02	12/28/2023	JB
Nitrate as N	1.12	mg/L	EPA 300.0	0.1	12/28/2023	JB
Nitrite as N	ND	mg/L	EPA 300.0	0.01	12/28/2023	JB
Phosphorous -Total as P	0.06	mg/L	EPA 200.7	0.04	1/5/2024	JB
Salinity	<1.00	ppt	SM210B	1	1/3/2024	JB
Surfactants as MBAS	ND	mg/L	SM5540C	0.05	12/29/2023	CET
TKN as N	1.00	mg/L	4500NorgC	0.5	1/9/2024	KC
Physical Conductivity	81.1	umhos/cm	SM2510B	1	1/3/2024	JB
PH	6.73	pH	EPA 150.2	1	12/28/2023	JB
Temperature	47.3	F	SM2250B	1	12/28/2023	Client

DAVID BARRIS - LABORATORY DIRECTOR


JORDAN BARRIS - CO-DIRECTOR

ND = Not Detected

Comments CET - CT PH-0116.

