ENVIRONMENTAL SERVICES

CMG EST. 2002

ENGINEERING SERVICES

2020 ANNUAL REPORT

TOWN OF EAST GRANBY
9 CENTER STREET
EAST GRANBY, CONNECTICUT

2017 MS4 GENERAL PERMIT
EXISTING PERMITTEE
PERMIT NUMBER GSM000089

FEBRUARY 2021

PREPARED FOR:

TOWN OF EAST GRANBY
9 CENTER STREET
EAST GRANBY, CONNECTICUT 06026

PREPARED BY:

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INTRODUCTION

This Annual Report has been prepared for the Town of East Granby in compliance with the Connecticut Department of Energy & Environmental Protection (CT DEEP) General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4) (MS4 General Permit), effective July 1, 2017. This report documents the efforts of the Town of East Granby to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) for the period of January 1, 2020 to December 31, 2020.

The 2020 Annual Report for the Town of East Granby is presented on the following pages. As a note, under Status in each BMP Summary table, "In progress" means the BMP has yet to be completed, and "Ongoing" means the BMP has been completed and upkeep/maintenance of it continues.

PART I: SUMMARY OF MINIMUM CONTROL MEASURE ACTIVITIES

1. PUBLIC EDUCATION AND OUTREACH (Section 6 (a)(1) / page 19)

1.1 BMP SUMMARY

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
1-1 Implement public education and outreach	Ongoing	Stormwater Management Plan has been posted on Town website.	SWMP posted to website	Planning & Zoning	Start by July 1, 2017	Ongoing	Town website will be updated to include links to MS4 General Permit and UConn NEMO website
1-2 Address education/outreach for pollutants of concern	Ongoing	Stormwater Management Plan has been posted on Town website	SWMP posted to website	Planning & Zoning	Start by July 1, 2017	Ongoing	Info regarding IDDE program will be posted to website

1.2 DESCRIBE ANY PUBLIC EDUCATION AND OUTREACH ACTIVITIES PLANNED FOR THE NEXT YEAR, IF APPLICABLE.

Town website will be further updated to include the following info:

- Links to EPA Stormwater Discharges from Municipal Sources website and the UConn NEMO Connecticut MS4 Guide
- Info regarding IDDE program will be posted to website. Once posted, a banner on website indicating new info will be added.

1.3 DETAILS OF ACTIVITIES IMPLEMENTED TO EDUCATE THE COMMUNITY ON STORMWATER

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
Printed info available in Land Use Department at Town Hall and online on the Engineering Department web page.	General public	Stormwater pollution prevention and waste minimization	NA	Planning & Zoning
Town website has mapping including natural and cultural resources which includes water resources, water quality, water-sheds, LID suitability, etc.; stormwater management and sewer mapping.	General public	Stormwater management	NA	Planning & Zoning
Town ordinances, zoning and subdivision regulations to detail how to get approval for stormwater management systems for new commercial and residential development are posted on Town website.	General public, developers	Stormwater management	NA	Planning & Zoning
LID Design Manual and LID Educational Booklet detailing BMPs for stormwater management posted on Town website.	General public, developers	Stormwater management	NA	Planning & Zoning

2. PUBLIC INVOLVEMENT/PARTICIPATION (Section 6(a)(2) / page 21)

2.1 BMP SUMMARY

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
2-1 Comply with public notice requirements for the Stormwater Management Plan	Complete	Stormwater Management Plan has been posted on Town website	SWMP posted to website	Planning & Zoning	April 3, 2017	April 3, 2017	None
2-1 Comply with public notice requirements for Annual Reports	Ongoing	Annual Report has been posted on Town website	Annual Report posted to website	Planning & Zoning	Feb. 15, 2020	May 8, 2020	After posting, a banner was added to website indicating new info.
2-2 Promote community stormwater management efforts	Ongoing	The Farmington River Watershed Association has an annual cleanup in spring for Salmon Brook and Farmington River	Event conducted annually	Planning & Zoning	Start by July 1, 2017	Ongoing	

2.2 DESCRIBE ANY PUBLIC INVOLVEMENT/PARTICIPATION ACTIVITIES PLANNED FOR THE NEXT YEAR, IF APPLICABLE.

Continuation of community stormwater management efforts listed above.

2.3 PUBLIC INVOLVEMENT/PARTICIPATION REPORTING METRICS

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Yes	4/15/17	Town website
Availability of Annual Report announced to public	Yes	5/8/20	Town website

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION (Section 6(a)(3) and Appendix B / page 22)

3.1 BMP SUMMARY

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
3-1 Develop written IDDE program	In progress	Town is in process of completing written IDDE program using the CT IDDE program template	Develop written IDDE program	Planning & Zoning	July 1, 2019	In progress	Once complete, program will be posted to Town website with a banner indicating new info added.
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	Complete	Map of Priority Areas has been developed using NEMO MS4 mapping tool	Develop list and map	Planning & Zoning	July 1, 2019	Dec. 10, 2017	
3-3 Implement citizen reporting program	Ongoing	The Town maintains a phone log to record citizen calls regarding stormwater management issues or suspected illicit discharges. Public Works investigates suspected illicit discharges	Citizen reports logged and investigated	Public Works	July 1, 2019	July 1, 2017	Engineering Department web-page has stormwater info and contact info for Town Engineer. Town website has "Email Service Requests" that are directed to First Selectman.
3-4 Establish legal authority to prohibit illicit discharges	Complete	Ordinance enforcement	Illicit discharges investigated and remediated	Planning & Zoning	July 1, 2018	July 1, 2018	
3-5 Develop record keeping system for IDDE tracking	Complete	Systems in place and functioning properly	Illicit discharges investigated, logged, tracked and remediated	Planning & Zoning	July 1, 2019	July 1, 2017	See 3-3 above
3-6 Address IDDE in areas with pollutants of concern	Ongoing	IDDE complaints investigated, logged and tracked	Illicit discharges investigated, logged, tracked and remediated	Planning & Zoning; Engineering; Public Works	Start by July 1, 2017	Ongoing	
3-7 Household hazardous waste collection	Ongoing	Participation in MDC Household Hazardous Waste Collection Day with partner towns	Household hazardous waste collected and recycled/ disposed	Planning & Zoning	Annually	Annually	

3.2 DESCRIBE ANY IDDE ACTIVITIES PLANNED FOR THE NEXT YEAR, IF APPLICABLE.

The written program will be posted to the Town website and a link listed in next year's Annual Report. The written IDDE program will be updated as needed throughout the term of the General Permit.

A master IDDE tracking spreadsheet will be maintained, and all employees involved in the IDDE program will be trained regarding the logging process.

3.3 LIST OF CITIZEN REPORTS OF SUSPECTED ILLICIT DISCHARGES RECEIVED DURING THIS REPORTING PERIOD.

Date of Report	Location / suspected source	Response taken
None received.		

3.4 PROVIDE A RECORD OF ILLICIT DISCHARGES OCCURRING DURING THE REPORTING PERIOD AND SSOS OCCURRING JULY 2012 THROUGH END OF REPORTING PERIOD USING THE FOLLOWING TABLE.

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

3.5 BRIEFLY DESCRIBE THE METHOD USED TO TRACK ILLICIT DISCHARGE REPORTS, RESPONSES TO THOSE REPORTS AND WHO WAS RESPONSIBLE FOR TRACKING THIS INFORMATION.

Reports of illicit discharges are received and investigated by the Department of Public Works.

3.6 PROVIDE A SUMMARY OF ACTIONS TAKEN TO ADDRESS SEPTIC FAILURES USING THE TABLE BELOW.

Location and nature of structure with failing septic systems			Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
69 North Main St.	101 Holcomb	6 Bonneview Dr.	Tank only installations	Farmington River, Salmon Brook, Stony Brook
27 Old County Hwy.	6 Hatchett Hill Rd.	27 Metacomet Dr.		
6 Washington Ridge Rd.	46 Wynding Hills Rd.	87 Spoonville Rd.		
154 Kimberly Rd.	8 Longview Dr.	12 Larch Dr.		
3 Concord Rd.	5 Seymour Rd.	170 Turkey Hill Rd.		
3 Hamilton Dr.	51 Country Club Rd.			
114 Peak Mountain Dr.	67 North Main St.			
1 Melody Ln.	66 Wynding Hills Rd.	48 Hatchett Hill Rd.	Full system (tank and fields) installations	
174 Turkey Hill Rd.	18 Bonnieview Dr.	149 Hartford Ave.		
11 Mount Vernon Dr.	5 Adams Dr.			

3.7 IDDE REPORTING METRICS

Metrics	
Estimated or actual number of MS4 outfalls	163
Estimated or actual number of interconnections	Unknown
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	15
Catchment investigations complete	0
Estimated percentage of MS4 catchment area investigated	9%

3.8 BRIEFLY DESCRIBE THE IDDE TRAINING FOR EMPLOYEES INVOLVED IN CARRYING OUT IDDE TASKS INCLUDING WHAT TYPE OF TRAINING IS PROVIDED AND HOW OFTEN IS IT GIVEN (MINIMUM ONCE PER YEAR).

Annual training of Department of Public Works employees on the following topics:

- MS4 General Permit
- SWMP and who has responsibility for implementation
- Discussion of IDDE, Post-Construction SW Management and Pollution Prevention / Good Housekeeping MCMs and what Town is required to do under each

4. CONSTRUCTION SITE RUNOFF CONTROL (Section 6(a)(4) / page 25)

4.1 BMP SUMMARY

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
4-1 Implement, upgrade and enforce land use regulations or other legal authority to meet requirements of MS4 General Permit	Ongoing	Inspection of construction sites	Regulations enforcement	Planning & Zoning; Engineering	July 1, 2019	Subdivision regs last updated in 2012; wetland regs developed in 2012; zoning regs last updated in 2016; POCD developed in 2016	38 commercial and residential construction sites inspected for E&SC issues. In most cases, only minor follow-up required for breached silt fences, improperly installed track pads, required installation of erosion control matting, etc. 2 stop work orders issued for work done without permit/missing E&S measures and E&S issues. Minor follow-up required for breached silt fence, improper installation of tracking pad, etc. All E&S issues were corrected.
4-2 Develop/implement plan for interdepartmental coordination in site plan review and approval	Ongoing	Planning & Zoning and Building Depts., Farmington Valley Health District, Town Engineer, Fire Marshal and traffic authority involved in review, permitting and approval of land disturbance projects as necessary	Continued inter-departmental site plan review and approval	Planning & Zoning	Start by July 1, 2017	Ongoing	
4-3 Review site plans for stormwater quality concerns	Ongoing	Town conducts plan reviews and inspections of projects disturbing 1 or more acres	Continued review of site plans for stormwater quality concerns	Planning & Zoning; Engineering	Start by July 1, 2017	Ongoing	Site inspections are to assess adequacy of installation, maintenance, operation and repair of construction and post-construction control measures
4-4 Conduct site inspections	Ongoing	Inspection of construction sites and issuance of notices of violation or stop work orders	Inspections conducted	Planning & Zoning; Engineering	Start by July 1, 2017	Ongoing	See 4-1 above

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
4-5 Implement procedure to allow public comment on site development	Ongoing	Hearings and/or public hearings with local land use commissions	Public comment solicited and received	Planning & Zoning	Start by July 1, 2017	Ongoing	
4-6 Implement procedure to notify developers about DEEP Construction Stormwater General Permit	Ongoing	Developers and contractors notified of regulation if projects disturbing 1 or more acres	Continued notification of developers of regulation	Planning & Zoning	Start by July 1, 2017	Ongoing	Developers and contractors are notified informally as needed during pre-application meetings with Town Engineer

4.2 DESCRIBE ANY CONSTRUCTION SITE RUNOFF CONTROL ACTIVITIES PLANNED FOR THE NEXT YEAR, IF APPLICABLE.

None other than continuation of those listed above.

5. POST-CONSTRUCTION STORMWATER MANAGEMENT (Section 6(a)(5) / page 27)

5.1 BMP SUMMARY

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning.	Complete		Continued implementation and upgrade of regulations	Planning & Zoning	July 1, 2021	LID regs and education manual developed in 2012	LID regulations on Planning & Zoning Dept. website
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects.	Ongoing	Inspection of construction sites and communication with site contractors	Continued enforcement of regulations	Planning & Zoning; Engineering	Start by July 1, 2018	Ongoing	See 4-1 and 4-4.
5-3 Identify retention and detention ponds in priority areas.	Ongoing	Map of Priority Areas has been developed using NEMO MS4 mapping tool	Develop list of retention and detention ponds.	Planning & Zoning	Start by July 1, 2017	Ongoing	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures.	Ongoing		Develop and implement long-term maintenance plan.	Planning & Zoning	Start by July 1, 2018	Ongoing	3 retention ponds cleaned
5-5 DCIA mapping.	In progress	Town is in process of completing IDDE program including DCIA calculations.	Perform calculations and complete mapping.	Planning & Zoning	July 1, 2020	In progress	Town has buildings and roads layers in its GIS mapping. Mapping will be further developed using NEMO MS4 mapping tool
5-6 Address post-construction issues in areas with pollutants of concern.	Ongoing		Post-construction issues will be identified and addressed.	Planning & Zoning	Start by July 1, 2017	Ongoing	

5.2 DESCRIBE ANY POST-CONSTRUCTION STORMWATER MANAGEMENT ACTIVITIES PLANNED FOR THE NEXT YEAR, IF APPLICABLE.

None other than continuation of those listed above.

5.3 POST-CONSTRUCTION STORMWATER MANAGEMENT REPORTING METRICS

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

5.4 BRIEFLY DESCRIBE THE METHOD TO BE USED TO DETERMINE BASELINE DCIA.

Consultation of MS4 map on UConn NEMO website.

6. POLLUTION PREVENTION/GOOD HOUSEKEEPING (Section 6(a)(6) / page 31)

6.1 BMP SUMMARY

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
6-1 Develop/implement formal employee training program.	In progress	Training program has been established and will be implemented	Training performed	Public Works	July 1, 2019	In progress	DPW staff trained by de-icing and rock salt company reps
6-2 Implement MS4 property and operations maintenance.	Ongoing	Town optimizes fertilizer application, properly manages grass clippings and leaves, manages pet waste and waterfowl, and buildings, vehicles and equipment are properly maintained	Continued program implementation	Public Works	Start by July 1, 2017	Ongoing	
6-3 Implement coordination with interconnected MS4s.	In progress		Town will coordinate with interconnected MS4s as necessary	Public Works	Start by July 1, 2017	In progress	
6-4 Develop/implement program to control other sources of pollutants to the MS4.	In progress		Program will be developed and implemented as necessary	Public Works	Start by July 1, 2017	In progress	
6-5 Evaluate additional measures for discharges to impaired waters.	In progress		Discharges will be evaluated as necessary	Public Works	Start by July 1, 2017	In progress	
6-6 Track projects that disconnect DCIA.	In progress		Projects will be tracked	Public Works	Start by July 1, 2017	In progress	
6-7 Implement infrastructure repair/rehab program.	Ongoing		Program will continue to be implemented	Public Works	Start by July 1, 2017	Ongoing	All town-owned retention basins and drainage swales inspected annually and maintained as needed

BMP	Status	Activities in current reporting period	Measurable goal	Department responsible	Due	Completion date	Additional details
6-8 Develop/implement plan to identify/prioritize retrofit projects.	In progress		Projects will be identified and prioritized	Public Works	Start by July 1, 2017	In progress	
6-9 Implement retrofit projects to disconnect 2% of DCIA.	In progress		Projects will be implemented	Public Works	July 1, 2022	In progress	
6-10 Develop/implement street sweeping program.	Ongoing	Streets and parking lots in Priority Areas are inspected and swept annually	Program will continue to be implemented	Public Works	Start by July 1, 2017	Ongoing	
6-11 Develop/implement catch basin cleaning program.	Ongoing	All public catch basins are inspected and cleaned annually	Program will continue to be implemented	Public Works	Start by July 1, 2017	Ongoing	
6-12 Develop/implement snow management practices.	Ongoing	Snow and de-icing agents are properly managed	Program will continue to be implemented	Public Works	Start by July 1, 2017	Ongoing	

6.2 DESCRIBE ANY POLLUTION PREVENTION/GOOD HOUSEKEEPING ACTIVITIES PLANNED FOR THE NEXT YEAR, IF APPLICABLE.

None other than continuation of those listed above.

6.3 POLLUTION PREVENTION/ GOOD HOUSEKEEPING REPORTING METRICS

Metrics	
Employee training provided for key staff	
Street sweeping	
Curb miles swept	160 miles
Volume (or mass) of material collected	~80 cy
Catch basin cleaning	
Total catch basins in priority areas	Unknown
Total catch basins in MS4	~1,200
Catch basins inspected	All
Catch basins cleaned	All
Volume (or mass) of material removed from all catch basins	~80 cy
Volume removed from catch basins to impaired waters (if known)	Unknown
Snow management	
Type(s) of de-icing material used	$MgCl_2$ treated salt
Total amount of each de-icing material applied	3,000 gals of $MgCl_2$ & 800 tons of treated salt
Type(s) of de-icing equipment used	Truck spreaders
Lane-miles treated	160 miles
Snow disposal location	Right of way
Staff training provided on application methods & equipment	Annually as needed
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	Unknown
Reduction in turf area (since start of permit)	Unknown
Lands with high potential to contribute bacteria (dog parks, parks with open water & sites with failing septic systems)	
Cost of mitigation actions/retrofits	Unknown

6.4 CATCH BASIN CLEANING PROGRAM

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule. [Complete this section for the 2018 Annual Report only]
All public catch basins are inspected and cleaned annually.

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. [Provide information if available in 2018 report. Section to be completed for the 2019 Annual Report.]
Information not available.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years. [Provide information if available in 2018 report. Section to be completed for the 2019 Annual Report.]
Information not available.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years. [Provide information if available in 2018 report. Section to be completed for the 2019 Annual Report.]
Information not available.

PART II: IMPAIRED WATERS INVESTIGATION AND MONITORING

[This section required beginning with 2018 Annual Report]

1. IMPAIRED WATERS INVESTIGATION AND MONITORING PROGRAM

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.
IDDE Program under development.

2. SCREENING DATA FOR OUTFALLS TO IMPAIRED WATERBODIES (Section 6(i)(1) / page 41)

2.1 SCREENING DATA COLLECTED UNDER 2017 GENERAL PERMIT

Complete the table below for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year's screening data showing a cumulative list of outfall screening data.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
OF-26	10/9/20	E. coli	No flow		No
OF-28	10/9/20	E. coli	No flow		No

2.2 CREDIT FOR SCREENING DATA COLLECTED UNDER 2004 GENERAL PERMIT

If any outfalls to impaired waters were sampled under the 2004 MS4 General Permit, that data can count towards the monitoring requirements under the modified 2018 MS4 General Permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 General Permit.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
R3/OF-26	11/18/13	E. coli	200 col/100 mL	Phoenix Environmental	
R3/OF-26	7/29/16	E. coli	>24,200 col/100 mL	Phoenix Environmental	
R3/OF-26	8/10/16	E. coli	>24,200 col/100 mL	Phoenix Environmental	
R3/OF-26	11/15/16	E. coli	1,400 col/100 mL	Phoenix Environmental	

3. FOLLOW-UP INVESTIGATIONS (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment

4. PRIORITIZED OUTFALL MONITORING (Section 6(i)(1)(D) / page 43)

Once outfall screening 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, 2020.

Outfall	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)

PART III: ADDITIONAL IDDE PROGRAM DATA [This section required beginning with 2018 Annual Report]

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. Rank	2. Priority	3. Priority Area?	4. Address/Assessor's Map
1.	High	Yes	Russell Rd/12
2.	High	Yes	Nicholson Rd/17
3.	High	Yes	Grainge Circle/7
4.	High	Yes	Cantebury Ln/10
5.	High	Yes	Center St/12
6.	High	Yes	Crystal Dr/12
7.	High	Yes	Bradley Park ad #2/17
8.	High	Yes	Pinewood/25
9.	High	Yes	Pennywhistle/25
10.	High	Yes	Huckleberry/25
11.	High	Yes	Sweetbriar/25
12.	High	Yes	Bonneview/25
13.	High	Yes	Spoonview/25
14.	High	Yes	Winding Hills/27
15.	High	Yes	Pinewood/27
16.	High	Yes	Tunxis/27

1. Rank	2. Priority	3. Priority Area?	4. Address/Assessor's Map
17.	High	Yes	Spoonville #2/27
18.	High	Yes	Stark/27
19.	Low	Yes	Randall Ave/7
20.	Low	Yes	Seneca Dr/9
21.	Low	Yes	Gateway Blvd/17
22.	Low	Yes	Bradley Park Rd/17
23.	Low	Yes	Hartford Ave/20
24.	Low	Yes	Southwood Ln/20
25.	High	No	Seymour Rd/21
26.	Low	No	Country Club Ln/5
27.	Low	No	Brentwood/11
28.	Low	No	Metacomet Dr/11
29.	Low	No	Jefferson Dr/15
30.	Low	No	Concord Dr/16
31.	Low	No	Old Hartford Ave/24

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

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

Outfall / Interconnection ID	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

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor.

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

3. CATCHMENT INVESTIGATION DATA (Appendix B (A)(7)(e) / page 9)

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

Where SVFs are:

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

3.2 KEY JUNCTION MANHOLE DRY WEATHER SCREENING AND SAMPLING DATA

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

3.3 WET WEATHER INVESTIGATION OUTFALL SAMPLING DATA

Outfall ID	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 James Hayden, First Selectman	Print name Matthew Reiser, CMG Environmental, Inc.
Signature / Date James L Hayden 4/23/2021	Signature / Date Matthew Reiser 4/22/21