



Haverhill

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Water/Wastewater Division
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October 26, 2021

Ms. Elizabeth Kudarauskas
U.S. EPA - Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

Subject: City of Haverhill, MA NPDES Permit #MA 0101621
Consent Decree Submittal (Civil Action No. 16-11698-IT)
Compliance Report Number 10 – January 1, 2021 through June 30, 2021

Dear Ms. Kudarauskas:

Enclosed is Compliance Report No. 10 as required by Section IX.67 of the Consent Decree. This report is for the January 1, 2021 through June 30, 2021 reporting period.

If you require additional information, please call me at (978) 374-2382.

Sincerely,

Robert E. Ward
Deputy DPW Director

Enclosure

cc: Chief, Environmental Enforcement Section, U.S. DOJ
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CITY OF HAVERHILL, MASSACHUSETTS

NPDES PERMIT No. MA0101621

CONSENT DECREE

(Civil Action No. 16-11698-IT, 11/10/16)

COMPLIANCE REPORT No. 10

JANUARY THROUGH JUNE 2021

OCTOBER 2021

CITY OF HAVERHILL, MASSACHUSETTS
NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM
PERMIT No. MA0101621
CONSENT DECREE
(Civil Action No. 16-11698-IT, 11/10/2016)
COMPLIANCE REPORT No. 10
JANUARY THROUGH JUNE 2021

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SECTION 1

INTRODUCTION

1.1 BACKGROUND

The United States Environmental Protection Agency (EPA), Massachusetts Department of Environmental Protection (MassDEP), and the City of Haverhill entered into a Consent Decree to require the City to take measures necessary to meet the requirements of the Clean Waters Act and the Massachusetts Clean Water Act, and to achieve and maintain compliance with the Small Municipal Separate Stormwater Sewer System (MS4) General Permit and the Publicly Owned Treatment Works (POTW) Permit, and all applicable federal and state regulations. The effective date of the Consent Decree is November 10, 2016.

As part of the Consent Decree, the City is required to submit a Compliance Report to EPA and MassDEP for the previous six-month period, referred to as a “Reporting Period.” The bi-annual Reporting Periods run from January through June, and July through December, with the Compliance Reports due on April 30th and October 31st for the previous period.

The goal of this Compliance Report is to provide the EPA and MassDEP an updated summary of the work performed by the City to achieve and maintain compliance over the course of the Reporting Period.

1.2 UNFORESEEN CHALLENGES

Since March 2020, the City continues to face both external and internal challenges that impacts their ability to perform required tasks as originally scheduled. The Coronavirus (COVID-19) pandemic continues to impede the collection systems operations activities due to reduced daily productivity levels because of the coronavirus safety protocols that remain in place.

1.2.1 Vacant Positions

As reported previously, the Collection System Supervisor position remains vacant and is currently being filled by the former and retired Collection System Supervisor in an acting capacity. Every effort continues to be made to fill this critical role with a permanent hire.

1.3 REPORT ORGANIZATION

The Compliance Report is divided into several sections including:

- IDDE Program
- SSO and Building/Private Party Backup Events
- Construction Site Inspection and Enforcement Program
- General Status
- Secondary Treatment Bypass
- CMOM Corrective Action Plan (per MassDEP request)

Each section summarizes the City's actions, activities, and events that have occurred over the previous Reporting Period in accordance with the Consent Decree.

1.4 CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Robert E. Ward

10/26/2021

Robert E. Ward

(date)

Deputy DPW Director

City of Haverhill, Massachusetts

SECTION 2

IDDE PROGRAM

2.1 INTRODUCTION

The City identified and inspected 1,200 stormwater outfalls (13 of these outfalls are shared stormwater/combined sewer overflow (CSO) outfalls) as part of the 2014/2015 Stormwater Outfall Inspection Report. Based on the findings, the City established a draft schedule of prioritized inspections.

In 2017, the City prepared the “Illicit Discharge Detection and Elimination (IDDE) Manual.” The manual identified the procedures that the City will follow to continue their comprehensive inspections of its stormwater outfalls, upstream system investigations, and enforcement procedures when an illicit connection is identified. Most recently, the IDDE Manual was updated in 2020 to be in compliance with the City’s MS4 permit.

The IDDE Manual can be found on the City’s Stormwater website at:

www.cityofhaverhill.com/departments/storm_water_program/index.php

2.2 CURRENT REVISED PRIORITY LISTING

The City continues to conduct IDDE sampling and update priorities based on field investigation and lab analysis testing results. The current IDDE investigation priorities as of June 2021 are shown in Table 2-1. The current priorities categories reflect the following inventory: 6 Problem Priority outfalls; 3 High Priority outfalls; and 39 Low Priority outfalls. Table 2-1 has been updated with the most recent sampling results for each outfall. The priority listing of outfalls, with sample results, is available on the City’s stormwater website.

2.3 IDDE INVESTIGATION PROGRESS REPORTING

Table 2-2 shows the City's progress to date on their IDDE investigations during the reporting period (January through June 2021). Three catchments were investigated for potential illicit connections resulting in no illicit connections found; these outfall catchment areas have been updated on Table 2-2 and IDDE catchment investigation maps in Appendix B. Table 2-3 shows the City's current list of priority outfalls for maintenance.

Using GIS, the City identified a total of 26.12 miles of storm drain piping and 2,617 drainage manholes and catch basins in the tributary area upstream of the outfalls included in the Priorities List as Problem, High, and Low priorities. The total length investigated is included and updated from previous reporting for a cumulative percentage investigated. Some outfalls are considered fully investigated if there is no flow in an upstream asset.

During this reporting period, eight outfalls were removed from the Low Priority category, three catchment investigations were completed, 14 Outfall Maintenance repairs/inspections were completed, and 209 Dry Weather Outfall inspections were completed.

Table 2-1

PRIORITIZED LIST OF OUTFALL SUB-AREA INVESTIGATIONS

(BASED ON OUTFALL INSPECTION PROGRAM)

2014-2020 Dry-Weather MS4/Stormwater Outfall Inspection Program

Summary of Water Quality Testing of Dry Weather Flow at MS4/CSO Outfalls

Outfall Information					Field Inspection Information			Dry-Weather Flow Characteristics					Field Parameter Test Results							Coliform Laboratory Sampling/Analysis					
					Date	Previous Rainfall	Dry Weather < 24 hours < 48 hours	Flow Description	Odor	Color	Floatables	Turbidity	Sample Time	Sample Temp (F)	pH	Conductivity	Ammonia (mg/l)	Surfactants (mg/l)	Chlorine (mg/l)	Sample Date for Bacteria	Previous Rainfall (Inches)	Previous Rainfall (Date)	Previous Rainfall (End Time)	E. Coli (MPN/100 ml)	Enterococcus (MPN/100 ml)
Problem Priority																									
UNK0955	36"	RCP	South Main St (Dominor Plaza)	City	9/16/2020	0.1" ON 9/13/2020		TRICKLE	NONE	CLEAR	NONE	NONE	725	62.2	7	1630	0.13	0.1	0	9/16/2020	0.1	9/13/2020		>2400	
PL0891	30"	RCP	Main St @ Marsh Ave	City	6/9/2020	0.01" ON 6/6/20		MODERATE	DETERGENT	NONE	NONE	CLEAR	1011	58	7.9	1200	0.17	2.19	0.02	6/9/2020	0.01	6/6/2020		>2400	
MR1109	12"	RCP	350 Water Street	City	11/9/2020	0.1" ON 11/3/2020		TRICKLE	NONE	NONE	NONE	NONE	930	59.3	7.31	3	0	0	0	12/10/2015	0.1	12/3/2015		1413.6	> 2420
UNK1767	36"	CMP	Tudor Ct	City	6/23/2020	0.2" ON 6/11/2020		TRICKLE	NONE	CLEAR	NONE	CLEAR	750	64	7	453	0.07	0	0	6/23/2020	0.2	6/11/2020		>2400	
UNK0951	48"	RCP	61 Brook St	City	8/27/2020	4" ON 8/23/2020		NONE	NONE	CLEAR	NONE	CLEAR	900	65.5	7.88	334	0	0.25		10/14/2014				>2419.6	
DP0946	48"	RCP	High School	City	11/5/2015	0.02" ON 11/1/15		TRICKLE	NONE	NONE	NONE	NONE	815	56.4	7.22	849	0	0.25	0	12/10/2015	0.1	2/3/2015		>2420	
High Priority																									
LR1260	3'x4'	OTHER, Blocks	140 Hale Street	City	9/28/2015	0.10" ON 9/13/15		NO INFORMATION	NONE	NONE	NONE	NONE	1040	69.9	7.1	927	0	0.5	0	11/4/2015	0.02	11/1/2015		1986.3	
UNK1166	34"	RCP	8 Franzone Dr	City	6/11/2020	0.01 ON 6/11/2020		SUBSTANTIAL	NONE	CLEAR	NONE	CLEAR	831	62	6.5	1000	0.09	0	0.03	6/11/2020	0.01	6/11/2020		461.1	
UNK1177	48"	RCP	Franzone Dr	City	6/11/2020	0.01" ON 6/11/2020		SUBSTANTIAL	NONE	CLEAR	NONE	CLEAR	925	63	6.1	1000	0.1	0.15	0.01	6/11/2020	0.01	6/11/2020		770.1	
Low Priority																									
BZB0847	15"	RCP	Fernanagh St	City	10/20/2014	0.02" ON 10/19/14		TRICKLE	NONE	CLEAR	NONE	NONE	1308	60	7.7	287	0	1		11/13/2014	0.06	11/7/2014		770.1	
MR20718	10"	RCP	1 Water Street	City	8/14/2015	0.57" ON 8/11/15		NO INFORMATION	NONE	NONE	NONE	NONE	1000	78	7.99	2	0	0	0	8/31/2015	0.19	8/23/2015		596	631
MR1164	36"	RCP	Water Street	City	8/25/2015	0.36" ON 8/21/15			NONE	CLEAR	NONE	NONE		72.2	7.6	2	0	0	0	08/31/2015	0.19	08/23/2015		461	< 10
FBO0638	12"	RCP	Hilldale Ave.	City	6/27/2015	0.04" ON 6/27/15		TRICKLE	NONE	NONE	NONE	NONE	945	64.5	6.91	453	0	0	0	7/7/2015	0.02	7/4/2015		435.2	
PL1222	36"	RCP	West Gile St.	City	5/20/2015	0.07" ON 5/19/15		NO INFORMATION	NONE	NONE	NONE	NONE	825	65.4	7	548	0	0.25	0	6/5/2015	1.38	6/2/15		410.6	
UNK0661	24"	RCP	Parkridge Rd.	City	9/26/2014	0.36" ON 9/21/14		TRICKLE	NONE		NONE	NONE		67.1	7.84	815	0	0		11/13/2014	0.06	11/7/2014		365.4	
MR0982	18"	CLAY	20 Back Lane	City	10/14/2015	0.02" ON 10/13/15		NO INFORMATION	NONE	NONE	NONE	NONE	1150	63.1	7.25	3	0	0	0	11/4/2015	0.02	11/1/15		547.5	183.5
MR23912	8"	STEEL	120 Merrimack St	City	8/27/2015	0.19" ON 8/23/15		TRICKLE	NONE	NONE	NONE	NONE	915	55.1	6.71	6	0	0	0	8/31/2015	0.19	8/23/2015		12.1	148
MR1140	15"	RCP	River St	City	9/23/2014	0.36" ON 9/21/14		TRICKLE	NONE	BROWN	OTHER	CLOUDY		42.6	8.18	484	0	0		11/13/2014	0.06	11/7/2014		62.4	
LRO0995	18"	RCP	Newark St	City	9/10/2014	0.5" ON 9/7/14		TRICKLE	NONE	CLEAR	NONE	CLEAR	915	71.4	7.41	120	0	0.75		10/14/2014	0.18	10/11/2014		52	
MR0834	48"	RCP	Merrimack River (Bradley Ave)	City	9/19/2014	0.02" ON 9/16/14		MODERATE	NONE	CLEAR	NONE	NONE	831	50	7.6	295	0	0		11/13/2014	0.06	11/7/2014		43.2	
UNK0883	12"	CMP	Ferry Rd	City	9/24/2014	0.36" ON 9/21/14		TRICKLE	NONE	CLEAR	NONE	NONE	925	64.7	7.41	224	0	0.25		10/20/2014	0.02	10/18/2014		28.8	
MR0662	18"	RCP	Parkridge Rd.	City	9/25/2014	0.36" ON 9/21/14		TRICKLE	NONE	CLEAR	NONE	NONE	1120	65.4	7.5	475	0	0.25		10/6/2014	0.12	10/4/14		23.8	
LR0953	15"	HDPE	Alvares St	City	9/11/2014	0.5" ON 9/8/14		MODERATE	NONE	CLEAR	NONE	SLIGHT CLOUDINESS	1015	68.1	7.87	855	0	0.25		9/16/2014	0.18	9/13/2014		22.6	
CB1198	NA	RCP	Research Dr	City	11/4/2014	0.25" ON 11/2/14		MODERATE	NONE	CLEAR	NONE	CLEAR	1003	50.2	7.06	208	0	0.25		11/13/2014	0.06	11/7/2014		21.3	
MR0770	36"	RCP	Merrimack River (River St)	City	9/23/2014	0.36" ON 9/21/14		TRICKLE	NONE	CLEAR	NONE	CLEAR	930	60.6	7.86	713	0	0.25		9/30/2014	0.01	9/29/2014		19.9	
UNK1836	36"	RCP	Computer Dr	City	11/6/2014	0.25" ON 11/2/14		MODERATE	NONE	CLEAR	NONE	CLEAR	850	53.7	7.48	3	0	0.5		11/13/2014	0.06	11/7/2014		18.3	
FP7115	12"	RCP	Bickell Ln	City	5/18/2015	0.03" ON 5/12/15		NO INFORMATION	NONE	BROWN	OTHER	CLOUDY	920	56	7.4	6	0	0.5	0.25	5/22/2015	0.07	5/19/15		8.4	
DP0969	15"	RCP	Diana Road	City	6/4/2015	1.38" ON 6/2/15		MODERATE	NONE	NONE	NONE	NONE	1035	65.3	7.22	610	0	0	0.25	6/5/2015	1.38	6/2/2015		5.2	

Outfall Information					Field Inspection Information			Dry-Weather Flow Characteristics					Field Parameter Test Results						Coliform Laboratory Sampling/Analysis						
					Date	Previous Rainfall	Dry Weather < 24 hours < 48 hours	Flow Description	Odor	Color	Floatables	Turbity	Sample Time	Sample Temp (F)	pH	Conductivity	Ammonia (mg/l)	Surfactants (mg/l)	Chlorine (mg/l)	Sample Date for Bacteria	Previous Rainfall (inches)	Previous Rainfall (Date)	Previous Rainfall (End Time)	E. Coli (MPN/ 100 ml)	Enterococcus (MPN/ 100 ml)
GS Identifier	Diameter	Material	Outfall Location	Owner-ship																					
DPO0657	45"	RCP	44 Sarah J Circle	City	6/9/2015	0.1" ON 6/6/15			TRICKLE	NONE	NONE	NONE	SLIGHT CLOUDINESS	925	65.4	6.94	206	0	0	0	7/7/2015	0.02	7/4/15		4.1
UNK1011	24"	RCP	Lake Street	City	6/8/2015	0.1" ON 6/6/15			TRICKLE	NONE	NONE	NONE	NONE	915	59.3	6.95	794	0	0.25	0	6/12/2015	0.1	6/6/2015		3.1
UNK0627	15"	RCP	Haley Rd	City	5/21/2015	0.07" ON 5/19/15			NO INFORMATION	NONE	NONE	NONE	NONE	840	64.5	6.82	791	0	0	0.25	5/22/2015	0.07	5/19/15		2
DP0947	18"	RCP	177 Brook Street	City	10/31/2015	0.66" ON 10/29/15			MODERATE	RANCID/ SOUR	NONE	NONE	NONE	800	52.3	7.4	263	0	0	0	12/19/2015	0.1	12/3/15		1
UNK1189	NA	NA	Primrose St (Dpw)	City	9/12/2014	0.01" ON 9/9/14			TRICKLE	NONE	CLEAR	NONE	CLEAR	1025	64.7	7.86	343	0	0.25		9/16/2014	0.18	9/13/2014		<1
TS0984	24"	RCP	Newton Rd	City	5/11/2015	0.03" ON 5/12/15			MODERATE	NONE	BROWN	NONE	SLIGHT CLOUDINESS	1111	62.2	6.81	76	0	0	0.25	5/22/2015	0.07	5/19/15		<1
TS0989	24"	RCP	Newton Rd	City	5/18/2015	0.03" ON 5/12/15			SUBSTANTIAL	NONE	Clear	NONE	SLIGHT CLOUDINESS	1100	63.3	7.2	48	0	0	0.25	5/22/2015	0.07	5/19/15		<1
UNK1020	24"	RCP	River St	Private	9/30/2014	0.36" ON 9/21/14			TRICKLE	NONE	NONE		SLIGHT CLOUDINESS	840	44.9	7.77	301	0	0		11/13/2014	0.06	11/7/2014		34.1
UNK1750	24"	RCP	36 Magnavista	City	5/18/2015	0.03" ON 5/12/15			TRICKLE	NONE	NONE	NONE	NONE	955	64.7	7.6	574	0	0	0.25	5/22/2015	0.07	5/19/2015		<1
UNK1040	24"	RCP	Gile St.	City	5/20/2015	0.07" ON 5/19/15			TRICKLE	NONE	ORANGE	NONE	SLIGHT CLOUDINESS	930	63.1	7.3	877	0	0.25	0	5/22/2015	0.07	5/19/2015		<1
UNK0902	40"	CMP	Shelley Rd	City	9/24/2014	0.36" ON 9/21/14			MODERATE	NONE	CLEAR	OTHER (RUST)	CLEAR		62.6	7.02	1567	0	0.25						
UNK1680	15"	HDPE	Colonial Farm Road	Private	6/27/2015	0.04" ON 6/27/15			TRICKLE	NONE	BROWN	NONE	NONE		66.9	6.9	238	0	0	0					
DP1107	54"	CMP	Kensilworth Ln	City	10/10/2014	0.08" ON 10/8/14			TRICKLE	NONE	CLEAR	OTHER (DIRT/DEBRIS)	CLEAR	1040	51.5	7.86	471	0	0.25						
UNK0848	18"	RCP	Woodrow Ave	City	9/26/2019	0.01" ON 9/23/19			NO FLOW																
FBO0723	18"	RCP	Hanna Ridge Rd.	City	7/31/2019	1.2" ON 7/23/19			MODERATE	NONE	NONE	NONE	CLEAR	923	76.6	7.77	440	0	<0.05	0	7/31/2019	1.2	7/23/2019	1045	8.5
UNK0888	NA	NA	West Lowell Street	City	6/12/2015	0.1" ON 6/6/15			MODERATE																
UNK1188	32"	RCP	Primrose Street	City	7/16/2019	0.45" ON 7/12/19			TRICKLE	NONE	NONE	NONE	CLEAR	930	73.9	7.48	855	0.5	<0.05	0	7/16/2019	0.45	7/12/2019	2045	770.1
MR38714	6"	PVC	Parkridge Rd.	City	3/9/2016	0.01" ON 3/4/16			TRICKLE																
MR38716	18"	RCP	Merrimack River	City	9/26/2019	0.01" ON 9/23/19			TRICKLE	NONE	NONE	NONE	CLEAR	1013	68.1	8.01	509	0	<0.05	0	9/29/2019	0.01	9/23/2019	2240	>2400
LR39512	48"	RCP	Little River	City	7/31/2019	1.2" ON 7/23/19			NO FLOW																

NOTE: Data exceeds one of the parameter thresholds that suggest it should be added to the IDDE program

Laboratory Sampling Dates in Red are the samples taken with less than 48 hours of dry weather.

TABLE 2-2
SUMMARY OF IDDE INVESTIGATIONS OF SYSTEMS WITH POTENTIAL ILLICIT CONNECTIONS BY BASIN
(BASED ON OUTFALL INSPECTION PROGRAM)
2014-2021 Dry-Weather MS4/Stormwater Outfall Inspection Program
REVISED (December 2020) IDDE INVESTIGATION PRIORITIES

Basin ID	Outfall ID	Current Report Period						Completed to Date			
		January 2021 - June 2021						Including this Reporting Period			
		Existing Length of Pipe (ft)	Number of Manholes and Catch Basins	Upstream Length of Pipe (ft)	Percent Completed	Number of Manholes and Catch Basins	Percent Completed	Upstream Length of Pipe (ft)	Percent Completed	Number of Manholes and Catch Basins	Percent Completed
Buswell Brook	BZB0847	1,697	24					1,697	100%	24	100%
Buswell Brook TOTAL		1,697	24	0	0%	0	0%	1,697	100%	24	100%
Creek Brook	CB1193	70	0					70	100%		
	CB1198	144	5	144	100%	5	100	144	100%	5	100
	CB1710	71	0					71	100%		
Creek Brook Outlet TOTAL		285	5	144	51%	5	100%	285	100%	5	100%
Detention Pond Outlet	DPO0657	422	7								
	DPO0696	61	2					61	100%	2	100%
	DPO1079	37	0								
Detention Pond Outlet TOTAL		520	9	0	0%	0	0%	61	12%	2	22%
Detention Pond Inlet	DP10946	7,421	172					7,421	100%	172	1
	DP10947	1,360	11								
	DP10969	1,515	22								
	DP11007	1,634	0								
	DP11074	694	14								
	DP11094	22	0					22	100%		
Detention Pond Inlet TOTAL		12,646	219	0	0%	0	0%	7,443	59%	172	79%
Fishing Brook	FBO0638	852	15					852	100%	15	100%
Fishing Brook TOTAL		852	15	0	0%	0	0%	852	100%	15	100%
Frey's Pond	FP7115	72	3								
Frey's Pond TOTAL		72	3	0	0%	0	0%	0	0%	0	0%
Johnston's Creek	JC1028	1,397	12					1,397	100%	12	100%
Johnston's Creek TOTAL		1,397	12	0	0%	0	0%	1,397	100%	12	100%
Little River	LR0952	7,268	88								
	LR0963	703	11								
	LR0993	539	4					539	100%	4	100%
	LR0995	822	0								
	LR1103	4,418	4					4,418	100%	4	100%
	LR1260 ¹	26,134	614					26,134	100%	622	100%
Little River TOTAL		39,884	721	0	0%	0	0%	31,091	78%	630	87%
Merrimack River	MR0662	210	5								
	MR0770	2,980	47								
	MR0834	756	8								
	MR0982	128	10					128	100%	10	100%
	MR1109	941	12					941	100%	12	100%
	MR1138	289	18					289	100%	18	100%
	MR1140	90	2								
	MR1141 ²	3,899	104					3,899	100%	104	100%
	MR1164	1,746	116					1,746	100%	116	100%
	MR20718	NA									
	MR23912	0	1								
	MR38718	1713	30								
	MR24314	541	24					541	100%	24	100%
Merrimack River TOTAL		13,293	377	0	0%	0	0%	7,544	57%	284	75%
Pentucket Lake	PL0891	5,463	128					5,463	100%	128	100%
	PL1222 ¹	3,292	102					3,292	100%	102	100%
Pentucket Lake TOTAL		8,755	230	0	0%	0	0%	8,755	100%	230	100%
Tilton Swamp	TS0984	52	1								
	TS0989	3,893	47								
Tilton Swamp		3,945	48	0	0%	0	0%	0	0%	0	0%

TABLE 2-2 CONTINUED

Basin ID	Outfall ID	Current Report Period						Completed to Date			
		January 2021 - June 2021						Including this Reporting Period			
		Existing Length of Pipe (ft)	Number of Manholes and Catch Basins	Upstream Length of Pipe (ft)	Percent Completed	Number of Manholes and Catch Basins	Percent Completed	Upstream Length of Pipe (ft)	Percent Completed	Number of Manholes and Catch Basins	Percent Completed
Unknown	UNK0627	254	8								
	UNK0661	410	11					410	100%	11	100%
	UNK0668	854	18								
	UNK0788	869	16					869	100%	16	100%
	UNK0836	842	12								
	UNK0883	570	7								
	UNK0898	91	0					91	100%		
	UNK0902	54	2								
	UNK0951	1,910	34					1,910	100%	34	100%
	UNK0953	225	0					225	100%		
	UNK0954	81	0					81	100%		
	UNK0955	6058	146					6,058	100%	146	100%
	UNK1011	5306	44								
	UNK1020	71	2								
	UNK1040	1414	21								
	UNK1063	49	0								
	UNK1166	1079	28					1,079	100%	28	100%
	UNK1177	156	3					156	100%	3	100%
	UNK1188	25926	470					25,926	100%	470	100%
	UNK1189	2043	17	2043	100%	17	100%	2,043	100%	17	100%
	UNK1680	719	8								
	UNK1750	1239	23	1239	100%	23	100%	1,239	100%	23	100%
Unknown	UNK1767	2077	52					2,077	100%	52	100%
	UNK1835	761	10					761	100%	10	100%
	UNK1836	1179	22								
	UNK1886	20	0					20	100%		
	UNK1887	20	0					20	100%		
	UNK1888	21	0					21	100%		
	UNK1889	21	0					21	100%		
Unknown TOTAL		54,319	954	3,282	6%	40	4%	43,007	79%	810	85%
West Meadow Brook	WMB0738	80	0					80	100%		
	WMB0739	80	0					80	100%		
	WMB0740	82	0					82	100%		
	WMB0759	20	0					20	100%		
West Meadow Brook TOTAL		262	0					262	100%		
GRAND TOTAL		137,927	2,617	3,426	2%	45	2%	102,394	74%	2,184	83%
		26.12mi.		0.65mi.				19.39mi.			

¹ Estimate Base upon Percentage of Manholes Inspected² Catchment includes State owned drainage and outfall. City inspected City owned drainage.

TABLE 2-3
OUTFALL MAINTENANCE PRIORITY TABLE
January through June 2021

Outfall ID	Work Order Number	High Priority		Medium Priority	Low Priority					Inspection Date	Re-Inspection Date
		Could Not Locate	Buried	Fully Submerged in Sediment	Partially Submerged in Sediment	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegetation	Outfall Damage		
DPI1056	ST00000521	X								June-18	
KL1227	ST00001275	X								June-18	
LR1101	ST00001276	X								June-18	
UNK1015	ST00001278	X								June-18	
UNK1016	ST00001279	X								June-18	
UNK1035	ST00001280	X								June-18	
DPI0942	ST00000517		X							August-18	
LR1150	ST00001282		X							June-19	
MR1224	ST00000540		X								
UNK0888	ST00000478		X							March-19	
UNK0889	ST00000554		X							August-18	
UNK0905	ST00000556		X							August-18	
UNK0997	ST00000560		X							August-18	
UNK1033	ST00000562		X							June-18	
UNK1136	ST00001311		X							August-18	
UNK1207	ST00001312		X							March-19	
UNK1221	ST00000568		X							August-18	
UNK1907	ST00001313		X							August-18	
UNK35912	ST00001314		X							August-18	
UNK1773	ST00000575		X							March-19	
UNK1774	ST00000576		X							August-18	
BZB0959	ST00000508			X						April-19	June-21
CB1196	ST00000510			X						March-19	
DPI0655	ST00000514			X						March-19	
DPI1008	ST00000520			X						April-19	
DPO1154	ST00000524			X						March-19	
FP7112	ST00000529			X						March-19	June-21
JP1179	ST00000530			X						April-19	
KL1230	ST00001152			X						March-19	
LR0844	ST00000083			X						March-19	
LR1118	ST00001283			X						March-19	
MR1278	ST00000541			X						April-19	
MR24329	ST00000544			X						April-19	
SB11512	ST00000545			X						August-18	
TS0987	ST00000548			X						March-19	
UNK0064	ST00000551			X						April-19	
UNK0782	ST00000553			X						March-19	
UNK0935	ST00000558			X						March-19	
UNK1017	ST00000561			X						March-19	
UNK1076	ST00000563			X						March-19	
UNK1137	ST00000564			X						March-19	
UNK1183	ST00000566			X						March-19	
UNK1678	ST00000572			X						March-19	
UNK1748	ST00000573			X						March-19	
UNK1772	ST00000574			X						March-19	
UNK1906	ST00000580			X						March-19	
UNK25513	ST00000583			X						March-19	
UNK31513	ST00000584			X						March-19	
CB1148	ST00000591				X					August-19	
CB1199	ST00000595				X					August-19	
CB1200	ST00000596				X					August-19	
CB1201	ST00000597				X					August-19	
CL0681	ST00000600				X					April-19	
CL0683	ST00000601				X					April-19	
CL0690	ST00000602				X					April-19	
CL0701	ST00000603				X					April-19	
CLO688	ST00000605				X					April-19	
DPI0634	ST00000606				X					April-19	
DPI0841	ST00000608				X					April-19	
DPI0965	ST00000609				X					April-19	
DPI1001	ST00000612				X					April-19	
DPI1004	ST00000613				X					July-19	June-21
DPI1081	ST00000615				X						

Table 2-3 Continued

Outfall ID	Work Order Number	High Priority		Medium Priority	Low Priority					Inspection Date	Re-Inspection Date
		Could Not Locate	Buried	Fully Submerged in Sediment	Partially Submerged in Sediment	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegetation	Outfall Damage		
DPI1090	ST00000617				X					April-19	
FBO0721	ST00000628				X					April-19	June-21
FP7114	ST00000629				X					April-19	
FP7115	ST00000630				X					April-19	June-21
KL30718	ST00000634				X					April-19	
LR0931	ST00000635				X					April-19	
LR1099	ST00000636				X					April-19	
LR1102	ST00000637				X					April-19	
LR1251	ST00000641				X					April-19	
MR23513	ST00000650				X						
MR23514	ST00000651				X						
MR23515	ST00000652				X						
MR23516	ST00000653				X						
MR23517	ST00000654				X						
MR23518	ST00000655				X						
MR23519	ST00000656				X						
MR23520	ST00000657				X						
MR23522	ST00000659				X						
MR23523	ST00000660				X						
MR23524	ST00000661				X						
MR23525	ST00000662				X						
MR24316	ST00000663				X					April-19	
MR24318	ST00000664				X						
MR24718	ST00000665				X					April-19	
MR5112	ST00000666				X					April-19	
PL1181	ST00000667				X					April-19	June-21
SB1117	ST00000668				X					April-19	
UNK0626	ST00000674				X					April-19	
UNK0663	ST00000677				X					April-19	
UNK0756	ST00000691				X					April-19	
UNK0882	ST00000700				X					April-19	
UNK0885	ST00000701				X					April-19	
UNK0950	ST00000706				X					April-19	
UNK0962	ST00000709				X						
UNK1000	ST00000710				X					April-19	
UNK1005	ST00000711				X					April-19	
UNK1006	ST00000712				X					April-19	
UNK1111	ST00000717				X					April-19	
UNK1123	ST00000718				X					April-19	
UNK1158	ST00000721				X					April-19	
UNK1160	ST00000722				X					April-19	
UNK1170	ST00000724				X					April-19	
UNK1174	ST00000726				X					April-19	
UNK1205	ST00000732				X					April-19	
UNK1213	ST00000734				X					April-19	
UNK1263	ST00000736				X					April-19	
UNK1265	ST00000737				X					April-19	
UNK13512	ST00000738				X					April-19	
UNK16715	ST00000741				X						
UNK1684	ST00000742				X					April-19	
UNK1685	ST00000743				X					July-19	
UNK1686	ST00000744				X					July-19	
UNK1738	ST00000751				X					May-21	
UNK1801	ST00000758				X					July-19	
UNK1802	ST00000759				X					July-19	
UNK1806	ST00000760				X						
UNK1864	ST00000767				X						
UNK1865	ST00000768				X					June-21	
UNK1867	ST00000770				X						
UNK1868	ST00000771				X					April-19	
UNK1880	ST00000772				X					April-19	
UNK1891	ST00000773				X					April-19	
UNK1896	ST00000774				X					April-19	
UNK1899	ST00000775				X					July-19	
UNK1900	ST00000776				X					July-19	
UNK24721	ST00000780				X					August-19	
UNK32717	ST00000791				X					May-19	

Table 2-3 Continued

Outfall ID	Work Order Number	High Priority		Medium Priority	Low Priority					Inspection Date	Re-Inspection Date
		Could Not Locate	Buried	Fully Submerged in Sediment	Partially Submerged in Sediment	Fully Submerged in Water	Partially Submerged in Water	Abnormal Vegetation	Outfall Damage		
UNK34712	ST00000793				X						
UNK34713	ST00000794				X					May-19	
UNK26725	ST00001286				X					May-19	
UNK26726	ST00000784				X						
UNK29512	ST00000787				X					May-19	
CB0976	ST00001287							X		May-19	June-21
CB0977	ST00001288							X			
CB1147	ST00001289							X		August-19	June-21
DPO0657	ST00001291							X		May-19	
DPO1007	ST00001292							X		August-19	June-21
FB0715	ST00001293							X			
UNK0906	ST00001294							X			
UNK1901	ST00001295							X		May-19	
UNK1902	ST00001296							X		May-19	
UNK5113	ST00001297							X			
CB1198	ST00001298					X				May-19	
DPI0945	ST00000519					X				May-19	
DPI1133	ST00000522					X				May-19	
MR20719	ST00000542					X					
TS0989	ST00000549					X				April-19	
KL26714	ST00000533					X					
DPI0970	ST00000610						X				
DPI1007	ST00000614						X				
DPI1084	ST00000616						X				
DPI1125	ST00000618						X				
DPI1131	ST00000619						X			May-19	
DPI1162	ST00000621						X			May-19	
DPI1197	ST00001299						X				
FBO0719	ST00000627						X			April-19	
KL1178	ST00000633						X			April-19	
LR1260	ST00000642						X				
TS0984	ST00000670						X			April-19	
TS33514	ST00000673						X			April-19	
UNK0665	ST00000678						X			May-19	
UNK0666	ST00000679						X			May-19	
UNK0728	ST00000688						X			May-19	June-21
UNK0729	ST00000689						X				
UNK0730	ST00000690						X			May-19	
UNK0902	ST00000703						X			July-19	
UNK0955	ST00000708						X				
UNK1168	ST00000723						X				
UNK1176	ST00000728						X			July-19	
UNK1177	ST00000729						X			June-19	
UNK1188	ST00001301						X			April-19	
UNK1206	ST00000733						X			May-19	
UNK1220	ST00000735						X				
UNK1695	ST00000745						X			April-19	
UNK1696	ST00000746						X			April-19	
UNK1749	ST00000752						X			April-19	
UNK1767	ST00000755						X			June-21	
UNK1823	ST00000761						X				
UNK1829	ST00000762						X			June-21	
UNK1835	ST00000763						X			May-19	
UNK1910	ST00000777						X			May-19	
UNK6316	ST00001303						X			May-19	
UNK8312	ST00000797						X				
UNK1775	ST00000756						X			August-19	
LR0979	ST00001304								X	April-19	
MR0607	ST00001305								X	May-19	
TS0983	ST00001307								X	April-19	
UNK1173	ST00001308								X		
MR0927	ST00001309										
UNK1189	ST00001310										
Unknown Ownership Outfalls											

2.4 IDENTIFIED ILLICIT CONNECTIONS AND CURRENT RESOLUTION STATUS

The ongoing and cumulative status of the City's efforts to remove any identified illicit connections or discharges is summarized in Table 2-4. Three identified illicit discharges have been resolved and removed from the summary list on Table 2-4.

- Merrimack River Basin Outfalls
 - MR24314 was inspected for dry weather flow and no flow was found. This outfall has been removed from the priority list.
 - MR1141 was inspected for dry weather flow and no flow was found. This outfall has been removed from the priority list.
 - MR1138 was inspected for dry weather flow and no flow was found. This outfall has been removed from the priority list.
- Detention Pond Outlets
 - DPO0696 was inspected for dry weather flow and no flow was found. This outfall has been removed from the priority list.
- Johnson Creek Basin Outfalls
 - JC1028 was inspected for dry weather flow and no flow was found. This outfall has been removed from the priority list.
- Little River Basin Outfalls
 - LR1103 was inspected through two reporting periods with no flow present, therefore the outfall was removed from the priority list.
 - LR0993 was inspected for dry weather flow with no flow present and was removed from the priority list.
- Unknown Basin
 - UNK0951 remains a High Priority due to physical damage to the storm drain catchment. Work will begin when weather permits.
 - UNK1835 was inspected through multiple reporting periods with no dry weather flow and was removed from the priority list.

- UNK0955 was investigated using CCTV for a portion of the catchment area and it was found that illicit flow was not originating from the near-by shopping plaza. Additional CCTV and sampling will be conducted when weather permits.
- Pentucket Lake Basin Outfalls –
 - PL0891 was determined to be high in bacteria and surfactants. It was discovered that the surfactants were attributed to a laundromat; therefore, the owner has been instructed to repair the broken lateral with expected completion in the next reporting period.

TABLE 2-4
SUMMARY OF ILLICIT DISCHARGES IDENTIFIED BY BASIN AND CURRENT STATUS
(January through June 2020)

Description		Illicit Discharge/Connection Verified				Ongoing Illicit Discharge Removal Activities					Final Illicit Connection Removal Actions				Assessment: Is the City in compliance with the schedule?
CD Requirement		67.a.iii.1			67.a.iii.2	67.a.iii.7		67.a.iii.8		67.a.iii.9	67.a.iii.3	67.a.iii.4	67.a.iii.5	67.a.iii.6	
Basin ID	Outfall ID	Date Verified	Address Location	Type of Discharge ¹	Estimated Flow	Removed?	Reasons Why Not	Schedule for Removal	Reason why expedited	Legal Actions against Private Property Owners	Actions Taken (with Dates)	Date Connection Eliminated	Est. Cost of Removal	Estimated Volume Removed (gallons)	
Little River	LR1260	10/26/2017	29 Union Street	Single family broken sewer	400 gpd	not removed	gave extension	Was removed on 2/24/18			Catchment investigation completed on 10/10/2020.			60,000	
Merrimack River	MR1164	11/19/2016	Market Basket Parking Lot	groundwater into drain	Seasonal Flow/ Not able to estimate	N/A	N/A	N/A	N/A	N/A	This dry weather flow appears to be from a groundwater discharge into the drainage system across a parking lot. Additional testing is required to confirm bacteria source is groundwater.	N/A	N/A	N/A	Yes, the City is in compliance with resolving this "illicit discharge".
	MR1109	12/21/2020	350 Water St	IDDE conducted and needs further investigation to determine the source.	500gpd	not removed	verifying bacteria counts				CCTV conducted on 12.21.2020 no defects found. Flow appears to be from top of catchment from depression/wetland flowing through drain. Additional CCTV required in nearby sewer lines to confirm no infiltration				Yes, the City is in compliance
	MR1138	10/20/2017	River St	Upstream contamination from culvert inlet.	Not able to estimate	Yes						Continuing to monitor outfall for dry weather flow.			
Pentucket Lake	PL0891	10/5/2016	Marsh Avenue	leaking sewer/ exfiltration	Not able to estimate	X	Sewer replacement costs/lengths are extensive; cost exceeds discretionary funds; new fund required in next fiscal year to complete project	2021	This connection is being removed as quickly as possible and dependent on the availability of funds within the fiscal year.	NOV	10/5/18-10/10/18: SMH-2190 point repair and manhole rehabilitation complete. 10/11/18-10/16/18: Installation of CIPP main line liner on Main St 10/17/18-10/23/18: Installation of CIPP main line liner on Marsh Ave. 10/24/18: Began installing CIPP of sewer laterals. Groundwater too high causing flooding in homes. Project on hold until mid-end March. Project is complete. Post lining CCTV was reviewed and determined that more CCTV needs to be conducted and 1 defect in lining needs to be repaired.6/9/2020: illicit connection located at lateral from laundromat, owner notified to repair	-	\$ 446,000	-	Marsh Ave sewer repair project was bid and awarded to National Water Main Cleaning Co. and contract had to be extended to 6/30/19 due to high groundwater. Project was completed by the end of June 2019 but after review of CCTV, it was determined that more CCTV needs to be conducted and 1 defect in lining needs to be repaired.
Unknown	UNK0951	11/1/2017	Brook Street	Leaking sewer running through drain	Not able to estimate	not removed	Not able to fix due to weather	As soon as weather permits	-	-	Section of sewer was dug up and replaced. Further inspections in 2020 showed no dry weather flow. The City will continue to monitor for dry weather flow	4/17/2018	\$ 4,277	-	Yes, the City is in compliance
	UNK0955	10/14/2016	South Main St	Contaminated private line discharges to City line.	Not able to estimate	not removed	unable to complete investigation due to weather	As soon as weather permits			drain manholes will be exposed and CCTV'd when weather permits to identify source of illicit flow. CCTV conducted showing no infiltration from shopping plaza, additional CCTV will continue in upcoming reporting period.				
	UNK1166	6/11/2020	Franzone Dr	Upstream contamination needs additional IDDE	10gpm est	not removed	CCTV to be completed in next reporting period								
	UNK1188	12/25/2012	34 Columbia Pk., 66 Columbia Pk., 74 Columbia Pk., 80 Columbia Pk., 90-92 Columbia Pk.	5 Single family	N/A	N/A	N/A	N/A	N/A	N/A	5-house sewer services through a drain pipe that were dripping. Install a PVC sleeve through drain	6/8/2016	\$ 13,000	26,481	City is in compliance. 60 day deadline was not applicable until November 2016.
	UNK1767	6/23/2020	Tudor Ct	IDDE conducted. CCTV needs to be completed. High ammonia from private pipe. Dye tested home and their wastes go to sewer.	N/A	not removed	CCTV to be completed in next reporting period								

Description		Illicit Discharge/Connection Verified				Ongoing Illicit Discharge Removal Activities					Final Illicit Connection Removal Actions				Assessment: Is the City in compliance with the schedule?
CD Requirement		67.a.iii.1			67.a.iii.2	67.a.iii.7		67.a.iii.8		67.a.iii.9	67.a.iii.3	67.a.iii.4	67.a.iii.5	67.a.iii.6	
Basin ID	Outfall ID	Date Verified	Address Location	Type of Discharge ¹	Estimated Flow	Removed?	Reasons Why Not	Schedule for Removal	Reason why expedited	Legal Actions against Private Property Owners	Actions Taken (with Dates)	Date Connection Eliminated	Est. Cost of Removal	Estimated Volume Removed (gallons)	
Detention Pond Outlet	DPO0696	6/12/2015	Pamela Lane	Private drain and outfall DPI0697 that discharge to detention pond and not contaminated.	Not able to estimate	N/A	N/A	N/A	N/A	N/A	No Flow present on multiple inspections in 2020. City will continue to monitor for dry weather flow	N/A	N/A	N/A	
Grand Total =													\$ 463,277	86,481	

SECTION 3

3.1 SSO AND BUILDING/PRIVATE PARTY BACKUP EVENTS

A chronological list of the sanitary sewer overflows (SSO) and building/private party backup events that occurred during this Reporting Period (January through June 2021), are listed in Table 3-1 and shown in Figure 3-1.

Over the Reporting Period, there were a total of six reportable SSO events associated with the City's sewer collection system and are listed in Table 3-1. Two of the six reported SSO's associated with the City have occurred previously and were addressed as follows:

- SSO-21-05 50 Stetson Street CCTV cleaned sewer lines
- SSO-21-06 16 South Brook Street CCTV cleaned sewer lines

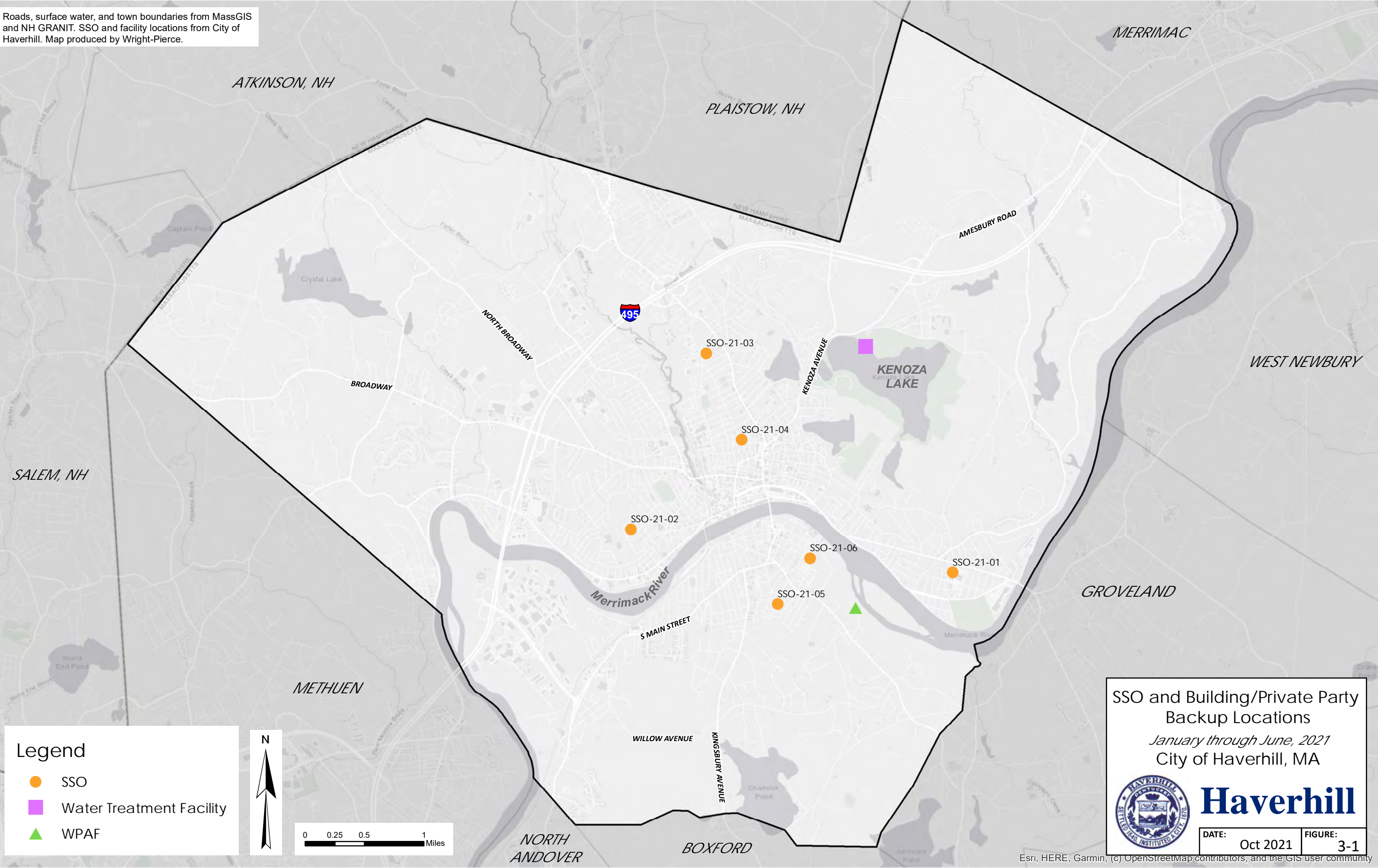
It is important to note that the SSO's associated with the City collection system operations continue to not be a result of pipe capacity deficiencies and the City continues to make significant progress in reducing the number of SSOs that occur in the system attributed to City operations. For this six-month reporting period, the City had six SSOs that were directly attributable to unanticipated collection system conditions. The EPA reported annual average SSOs in a typical nationwide system is about four SSOs per 100 miles. Accordingly, Haverhill continues to have less SSOs than the national average.

**TABLE 3-1
SANITARY SEWER OVERFLOW EVENTS
JANUARY THROUGH JUNE 2021**

SSO ownership (city or private)	CITY	CITY	CITY	CITY	CITY	CITY
MaintStar Work Order	WW00001996	WW00002017	WW00002023	WW00002027	WW00002028	WW00002034
SSO ID	SSO-21-01	SSO-21-02	SSO-21-03	SSO-21-04	SSO-21-05	SSO-21-06
SSO Address	Katsaros Drive	14 Overlook Ave	45 Seventeenth Ave	49 Cedar St	50 Stetson St	16 South Brook St
Start date/time	3/17/2021 20:30	5/1/2021 17:00	5/13/2021 8:00	6/10/2021 21:00	6/13/2021 11:15	6/30/2021 18:48
End date/time	3/17/2021 21:00	5/1/2021 18:30	5/13/2021 9:05	6/10/2021 22:00	6/13/2021 12:00	6/30/2021 19:00
Date reported EPA/DEP	3/18/2021 9:30	5/2/2021 9:30	5/13/2021 12:00	6/11/2021 8:00	6/14/2021 7:00	7/1/2021 15:00
Who notified	Isaiah Lewis	Paul Jessel	Paul Jessel	Paul Jessel	Paul Jessel	Isaiah Lewis
Reason for occurrence	SEWER MAIN BLOCKED	SEWER MAIN BLOCKED	SEWER MAIN BLOCKED	SEWER MAIN BLOCKED	SEWER MAIN BLOCKED	SEWER MAIN BLOCKED
Date of last SSO occurrence	FIRST	FIRST	FIRST	FIRST	10/14/2018	3/26/2015
	OCCURRENCE	OCCURRENCE	OCCURRENCE	OCCURRENCE		
SSO est. Vol.	25	15	20	500	1,000	10
Receiving waters if sewerage entered	CONTAINED IN CB	NA	NA	NA	NA	NA
Method used to estimate volume	Visual	Visual	Visual	Visual	Visual	Visual
Nearest CB Location ID	CB-8045	CB-222	CB-3098	CB-5580	CB-2855	CB-3488
Distance to nearest CB (ft.)	370	454	75	110	50	131
Name of receive water whether or not there was a release	Unknown	Unknown	Little River	Little River	Merrimack River	Merrimack River
Entered CB yes or no	YES	NO	NO	NO	NO	NO
Measured Taken to stop SSO	FLUSH SEWER MAIN	FLUSH SEWER MAIN	FLUSH SEWER MAIN	FLUSH SEWER MAIN	FLUSH SEWER MAIN	FLUSH SEWER MAIN
Decontaminate	YES	YES	YES	YES	YES	YES
Measures taken to prevent future overflows	CCTV Line	CCTV Line	CCTV Line	CCTV Line	CCTV Line	CCTV Line
Sewerage location into stream	NA	NA	NA	NA	NA	NA

Roads, surface water, and town boundaries from MassGIS and NH GRANIT. SSO and facility locations from City of Haverhill. Map produced by Wright-Pierce.

J:\N W:\GIS_Development\Projects\MA\Haverhill\13703_EPA-ConsentDecree\MXDs\SSOs_Jan-June2021_11x17.mxd



Legend

- SSO
- Water Treatment Facility
- WPAF

SSO and Building/Private Party Backup Locations
January through June, 2021
City of Haverhill, MA

 **Haverhill**

DATE: Oct 2021	FIGURE: 3-1
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Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

SECTION 4

4.1 CONSTRUCTION SITE INSPECTION AND ENFORCEMENT PROGRAM

At the June 26, 2018 Haverhill City Council meeting, the Council passed and adopted a Pre and Post Construction Stormwater Management Ordinance (Ch. 219) as required by the Consent Decree and MS4 Stormwater Permit.

The City is currently reviewing its first two permit applications for "non-exempt" projects. The first project consists of the redevelopment of an existing church property; the second is the development of a new residential subdivision. Both projects disturb more than one acre of land and discharge to the MS4.

Thus far, projects meeting the one acre and MS4 connection requirements have been exempt under the Ordinance due to their being permitted by the Conservation Commission under the Massachusetts stormwater regulations. In addition, the Ordinance has served as a deterrent, as there have been instances where projects have been redesigned to reduce proposed disturbances to less than one acre.

SECTION 5

GENERAL STATUS

5.1 INTRODUCTION

This section summarizes the actions taken by the City of Haverhill to achieve Consent Decree compliance within the Reporting Period.

For the Tenth Reporting Period (January through June 2021), there were two deliverables and/or activities due within that timeframe to achieve compliance. The two deliverables/activities are shown in Table 5-1 below.

The City continues to make progress related to their Combined Sewer Overflow Final Long-Term Control Plan. The CSO Dry Weather Connector Pipe Improvements was awarded to N. Granese & Sons, Inc. and was completed in May 2021.

In June 2021, the City Council passed a Loan Authorization of \$7,037,000 for sewer improvements. This project includes replacing sewer line in various locations, installing a cured-in-place lining in a 54-inch sewer main, and rehabbing sewer lines in other various locations.

A draft Request for Qualifications, (RFQ), for the preliminary design of the City's Water Pollution Abatement Facility's Rehabilitation and Upgrade Project has been prepared. This draft RFQ is scheduled to be advertised in the first quarter of 2022.

In addition, the City is currently reviewing several computerized maintenance management systems (CMMS). The new CMMS will be utilized to develop consequence of failure and likelihood of failure values through CCTV to be inputted into the City's long-term CIP. The new CMMS will also have reporting capabilities for outfall inspection and investigation, catch basin cleaning and inspection, and any corrective or preventative maintenance associated with sewer and stormwater (lift station checks, cleaning of sewer lines, etc.) The City is in its final review of qualified CMMS vendors. Due to the procurement requirement, the City has developed a Request For Proposals (RFP) to solicit CMMS vendors. This RFP must be received by July 14, 2021.

The City continues to search for a qualified candidate to fill the Collection System Supervisor position.

Work orders generated from the City's computerized maintenance management system, Utility Cloud, for the outfall inspection program, from January through June 2021, are attached to this Compliance Report in Appendix A.

TABLE 5-1
SUBMISSIONS WITHIN CURRENT REPORTING PERIOD

<i>Part</i>	<i>Activity</i>	Due Date	Submittal Date
Effective Date of Consent Decree (11/10/2016)			
M	CSO Monitoring		
	Annual CSO Activation Report	5/1/2021	3/26/2021
IX	Compliance Reporting		
	Compliance Report No. 9	4/30/2021	4/27/2021

5.2 ISSUES OF NONCOMPLIANCE

The City is in compliance with the requirements of this Consent Decree.

5.3 LOOKING AHEAD - SIX MONTH FORECAST

The anticipated future deliverable required under the Consent Decree for the next Reporting Period, July through December 2021, is shown in Table 5-2.

**TABLE 5-2
FUTURE DELIVERABLES DURING THE PROCEEDING REPORTING PERIOD
(JULY THROUGH DECEMBER 2021)**

<i>Part</i>	<i>Activity</i>	<i>Trigger Event</i>	<i># Days Due</i>	<i>Due Dates</i>
			<i>Post Trigger Event</i>	
	Effective Date of Consent Decree	11/10/2016		
VII.N	CSO Planning and Plan Implementation			
	CSO Dry Weather Connection Pipe	Construction Contract Award December 2020	240	August 2021
IX	Compliance Reporting			
	Compliance Report No. 10	4/30/2021	180	10/31/2021

SECTION 6

SECONDARY TREATMENT BYPASS

6.1 INTRODUCTION

The intent of this section is to summarize the secondary treatment bypass events that occurred at the City of Haverhill's Water Pollution Abatement Facility during the reporting period, January through June 2021.

6.2 BYPASS EVENTS

There were no secondary treatment bypass events that occurred during the reporting period. Particularly of note, this is the seventh consecutive reporting period (three and a half years), that the secondary treatment bypass facilities have not been activated. They have not been activated since September 7, 2017.

SECTION 7

CMOM CORRECTIVE ACTION PLAN

7.1 INTRODUCTION

Pursuant to the Consent Decree, the City of Haverhill submitted the Capacity, Management, Operation, and Maintenance Program Assessment Corrective Action Plan (CMOM), dated February 22, 2017, to MassDEP and EPA. In their review letter dated August 3, 2017, MassDEP requested that a summary of the status of CMOM-Related corrective actions that occurred during the reporting period be included in the Compliance Report.

7.2 CMOM CORRECTIVE ACTIONS

The CMOM identified 27 deficiencies, their recommended corrective actions, and an implementation schedule, which are listed below in Table 7-1.

7.3 ADDITIONAL CMOM-RELATED ACTIVITIES

In conjunction with the corrective activities, the City has also performed additional activities as outlined and recommended in the CMOM Program, which includes collection system maintenance and construction activities. The expenses related to collection system maintenance activities performed from January through June 2021 (Reporting Period 10) are listed in Table 7-2 below.

In addition, construction activities continued during the reporting period. The CSO Dry Weather Connection Pipe Improvements total cost to date (including all change orders) is \$1,323,664.94. The Construction Project is mostly completed with the exception of final pavement. Construction funds expended totaled \$586,333.24, with Engineering Fees totaling \$36,018.37.

TABLE 7-1**CMOM-CORRECTIVE ACTION PLAN AND STATUS**

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
1	The City does not have a formal long-term plan to mitigate SSO.	The recommendations in the Wastewater Treatment Plant & Collection System Staffing Analysis (Woodard & Curran, 2017), Collection System CIP and Sewer Inspection SOP (Appendices B and F), and the Pump Station Evaluation (Wright Pierce, 2016) will serve as a long-term plan to reduce the causes of SSOs.	Ongoing/ Completed	The City has a capital improvement plan which includes recommendations from the Wastewater Treatment Plant & Collection System Staffing Analysis, Collection System CIP and Sewer Inspection SOP, and the Pump Station Evaluation which is the long-term plan to reduce the causes of SSOs. A majority of SSO's are caused by unanticipated sewer blockages. Every effort is taken to minimize the overflow and to take corrective action to prevent reoccurrences. The City has made great strides in order to reduce the number of SSOs over the years, which has seen a downward trend in the annual total occurrences. The City's Standard Operating Procedure (SOP) for reoccurring SSO calls for CCTV if the sewer segment to verify previous corrective actions are sufficient. If there are three occurrences within a year, the sewer segment or street is placed on a bi-annual preventative maintenance schedule, (PM). This is one of the reasons that SSOs are reduced from year to year.

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
2	The City does not have a comprehensive system to prioritize investigations, repairs, and rehabilitation.	Use the risk-based methods described in Appendices B and F from Capacity, Management, Operations and Maintenance (CMOM), Program Assessment and Corrective Action Plan prepared by Woodard & Curran (February 2017) to prioritize investigations, repairs, and rehabilitation.	Ongoing/Complete	A PEF was submitted to complete planning and implementation of various CMOM corrective action plans including pipe inspections. The City has also began adding CCTV and LOF pipe ratings to their new CMMS software (Utility Cloud). The City is finalizing the purchase of a new CMMS. The CMMS will be GIS centric with the ability to indicate CoF and LoF values as an attribute to the sewer segment. This will be done Citywide and will be used for capital planning. The City will continue utilizing Engineering services for risk-base methods whenever there is a water, sewer, or other infrastructure project as their standard operating procedure. The City has hired an Asset Manager who will update, revise, and develop further CoF and LoF values that will be used to develop the City's long-range CIP. The City will use this data and incorporate into a capital asset planning tool. The city received an Asset Management Grant, part of which will be going towards updating the Woodard & Curran corrective action plan from 2017 with new criticality insights as sewer and stormwater investigations have become more frequent. The grant will also go towards a new CMMS/EAMS. The new software will be GIS centric, able to store our CCTV data, and provide risk-based insights on assets that can be utilized in capital planning.
3	The City does not have updated job descriptions that match technical requirements for a modern collection system utility.	Update job descriptions for the revised organizational structure proposed in the Wastewater Treatment Plant & Collection System Staffing Analysis (Woodard & Curran, 2017)	Within one year after EPA approves the CMOM Action Plan	Complete.

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
4	Although the City training program includes some key safety training, staff would benefit from a formalized safety and technical training program.	Implement a staff training program using the guidelines outlined in Appendix C.	Within one year after EPA approves the CMOM Action Plan	The City is in contact with Innovative Safety Services, NEWWTA, and others, to schedule yearly training, focusing on safety and operations and maintenance. All Wastewater employees are encouraged to seek any additional training, including management and leadership training, at the City's cost.
5	Although the City uses MaintStar to track customer complaints, they do not use the database to prioritize preventative maintenance.	Annually review customer complaint data using GIS to identify areas that may require further investigation.	Within one year after EPA approves the CMOM Action Plan Complete	Ongoing, see response to item 2 above.
6	The City lacks a comprehensive, risk-based approach to maintenance planning.	Use the risk-based methods described in Appendices B and F from CMOM Program Assessment and Corrective Action Plan prepared by Woodard & Curran, February 2017 to prioritize investigations, repairs, and rehabilitation.	Ongoing/Complete	The City's Asset Manager will use the risk base approach from Appendix B and F from the CMOM Program Assessment and Corrective Action Plan prepared by Woodard & Curran, February 2017, along with developing a CIP See response to item 1 above.
7	Local limits need to be updated.	Perform a local limits study and update the limits table in the ordinance (per Appendix E, Sewer Ordinance Review from CMOM Program Assessment and Corrective Action Plan prepared by Woodard & Curran, February 2017).	Within one year after EPA approves the CMOM Action Plan	Final NPDES Permit went into effect on January 1, 2020. Local limits evaluation is finalized. Completed local limit study and was submitted to EPA for review on June 23, 2021.

Action #	Deficiency	Recommended Action	Corrective	Implementation Schedule	Status
8	The City needs to improve implementation and enforcement of their Sewer Use Ordinance (SUO).	Improve implementation and enforcement of the SUO. Begin mapping Food Service Establishments in GIS and building database of grease trap inspectional data.		Within one year after EPA approves the CMOM Action Plan	Utility Cloud (CMMS) has been updated to reflect all food service establishments (FSE) and is updated as new permits are submitted. The City hired Watermark Environmental Inc. to conduct FSE annual FOG inspections and to update Utility Cloud system with pass/fail designations. In December of 2020 the City completed draft updates to the SUO for FOG inspection implementation and enforcement; as well as updated the Enforcement Response Plan. These drafts will be submitted for City Council approval with the Local Limits evaluation.
9	The City should update recordkeeping pertaining to private systems.	Input private lift stations into CMMS to track issues & contact information.		Within three months after EPA approves the CMOM Action Plan	Complete.
10	The City does not have a finalized version of their capital improvement plan – which will include pump station upgrades, collection system rehabilitation, and WWTP upgrades.	The City should finalize their CIP and appropriate funds as necessary.		Within three months after EPA approves the CMOM Action Plan	Complete, and as part of the annual budget process, the city updates the CIP each year. The CIP is used to develop the wastewater 5-year financial plan to fund the CIP. The CIP includes pump station upgrades, collection system rehabilitation, and WWTP upgrades. In order to fund the CIP, the City has raised sewer user rates by 40% over the last four years.
11	The City has not verified that other air relief valves do not exist. Maintenance of air relief valves has not been performed historically.	Review record drawings and inspect force main routes to confirm location of air relief valves. If located, enter in GIS and schedule routine maintenance in CMMS.		Within one year after EPA approves the CMOM Action Plan	Ongoing.
12	The City does not have a standard procedure for maintaining safety training records.	The City will utilize their CMMS program to organize safety training records.		Within one year after EPA approves the CMOM Action Plan	Complete Training is currently tracked by administration staff in a Microsoft Access File.

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
13	The City has a general emergency response plan (ERP). The Division recently completed an ERP for responding to SSOs. The Division lacks ERP for other collection system emergencies.	Develop ERP for collections-specific emergencies, in particular those affecting critical assets. For example, there should be an SOP for providing backup power to pump stations during a system-wide power outage.	Within one year after EPA approves the CMOM Action Plan	Complete. The City has purchased a vac-truck, which is scheduled for delivery in Spring 2021. The ERP has been updated to incorporate the utilization of the vac-truck. The City has combined Power Outage, Sanitary Sewer Overflows, and Marginal Pump Station High Flow Management, into one document. This document is being circulated for staff review.
14	The City does not have formal emergency response training.	Implement a program for training and practicing emergency response.	Within one year after EPA approves the CMOM Action Plan	The Wastewater Staff have been trained and additional training will be documented into the City's CMMS. For minor emergencies, the staff prepares in advance of a weather event (e.g., setting up bypass pumps at the Marginal Pump Station, verifying that equipment has fuel (gasoline, diesel, or propane), along with procuring rental generators. The need for training is incorporated into these routine preparations.
15	The City has a hydraulic model for interceptors and CSOs, but there is no city-wide hydraulic model.	Although developing a comprehensive hydraulic model is not a high priority, Woodard & Curran recommends building out the model as required to address capacity issues and plan for new development as the need arises.	As Needed	The City's GIS system is updated on an ongoing basis which will provide a good foundation for a future model.
16	The City does not have adequate staff to perform sufficient preventative maintenance on all 36 pump stations part of the collection system.	Follow the recommendations of the Wastewater Treatment Plant & Collection System Staffing Analysis (Woodard & Curran, 2017) to assign sufficient resources to keep up with required maintenance.	Within one year after EPA approves the CMOM Action Plan	The City developed a job description for a new Collection System MEO/laborer and hired a qualified candidate. The City outsources many tasks. See response to Item #19. The Mission Systems improve the monitoring of pump stations resulting in reduced staff time for routine inspections (weekly vs. daily) and more time on preventative maintenance.

Action #	Deficiency	Recommended Action	Corrective	Implementation Schedule	Status
17	Although there is generally sufficient redundancy of pumps and level controls, some stations require specific upgrades related to redundancy.	The City will utilize the recommendations of the Pump Station Evaluation (Wright Pierce, 2016) to evaluate future rehabilitation.		Ongoing	<p>The replacement/upgrades to the Carleton Street and North Avenue Pump Stations are complete and online. The City will be standardizing all their pump stations during upgrades and additional pump stations will be recommended for rehabilitation/upgrades as outlined in the Pump Station CIP.</p> <p>Mission alarms are currently installed in twenty-three (23 out of 36) lift stations with seven budgeted for FY 21. The remaining thirteen will be budget over the next few fiscal years.</p> <p>Lift stations with bubblers will be changed to Vega Radar level control with backup floats. Six stations have been budgeted for this upgrade.</p>
18	Not all pump stations have communication ability. Lack of communication at pump stations has contributed to SSOs.	The City will utilize the recommendations of the SCADA Study (Woodard & Curran, 2011) and Pump Station Evaluation (Wright Pierce, 2016) to evaluate communication improvements.		Ongoing	<p>All pump stations have the ability to communicate alarms. The City has selected the use of Mission Alarm and Monitoring Systems for communication. Currently, 23 out of the City's 36 pump stations have Mission Systems. The City has budgeted money to install Mission RTU alarms at 7+/- additional stations this fiscal year (the number of stations will depend on the bid price). The City will be continuing to install Mission Systems until all lift stations are equipped, which is estimated to be complete within the next two fiscal years.</p>

Action #	Deficiency	Recommended Corrective Action	Implementation Schedule	Status
19	11 pump stations do not have working backup power, though most of these have connections for a portable generator or are small enough to pump out.	The City will utilize the recommendations of the SCADA Study (Woodard & Curran, 2011) and Pump Station Evaluation (Wright Pierce, 2016) to evaluate emergency power improvements. Develop an ERP to address a system-wide power outage including monitoring fuel supplies, mobilizing portable generators, and pumping out with trucks.	Ongoing ERP for system wide power outage will be developed within three months after EPA approves the CMOM Action Plan	Completed. There are currently seven stations without backup generators. The ERP will be updated to include new generator at the North Avenue Station and the use of the City's new vac-truck. See response to item #13 ERP has been updated needs to be reviewed by staff.
20	There is currently no schedule for cleaning sewer lines on a system-wide basis.	The City will utilize a 20-year plan to inspect all sewer pipes calculated to have a consequence of failure value ≥ 3 (approximately 57% of system). See the Collection System CIP (Appendix B) for additional information.	Will begin to implement program within six months after EPA approves the CMOM Action Plan	The City has purchased their own vac truck. Sewers are designed to achieve self-cleaning velocities. Once the Vac-Truck is delivered the City will begin to clean the City's sewers as necessary. The City has added flushing PM's with more flushing being conducted with 153 sewer mains cleaned.
21	The City does not have a dedicated location for offloading and dewatering sewer cleanings. The City does not have an enclosed location for storage of their sewer maintenance vehicles.	The City will purchase a dewatering dumpster for sewer cleanings. The City will construct a facility for storage of sewer maintenance vehicles.	Within three years after EPA approves the CMOM Action Plan	Dewatering dumpsters – Complete. Maintenance Vehicle Facility – Included in 5-year CIP.
22	The City does not have a list of assets located on right-of-ways. The City has also not developed an SOP for maintenance of right-of-ways and easements.	Identify off-street assets using GIS. Schedule preventative maintenance for maintaining accessibility in CMMS. Develop SOPs for specific easements as necessary, including contacting property owners to obtain keys, etc.	Within two years after EPA approves the CMOM Action Plan	The City has inputted easements into GIS and assets. These assets will be populated, and SOPs will be made; as well as the development of preventative maintenance plan. The City has developed sewer segments that are contained within the easements along with a PM schedule. The City will be moving from MainStar and UtilityCloud to a new CMMS. These PM's will be inputted into new CMMS and begin soon.

Action #	Deficiency	Recommended Action	Corrective Schedule	Status
23	There is no systematic program for uncovering manholes that have been paved over.	Develop an SOP which includes: <ul style="list-style-type: none"> • Identification of paved over manholes as part of routine inspections • Add paved-over manholes to GIS. • Adding work orders to CMMS for raising paved-over manholes. 	Within two years after EPA approves the CMOM Action Plan	The City's highway department distributes a street paving list to each department. The engineering department investigates those streets and puts a list together of buried manholes. This list is then given to the contractor and the contractor raises the manholes. Paved over manholes are added to GIS on an ongoing basis as they are discovered.
24	Although the City has identified areas with high measured inflow, building inspections have not been performed.	The City will perform trial building inspections to a sample of 10% of buildings located in Areas 14 & 23 Infiltration and Inflow Report (CDM Smith, 2011). Sample brochures will be sent out to buildings where inspections are not successfully completed.	Within two years after EPA approves the CMOM Action Plan	The City is considering this as part of their Phase 3 CSO work however recommended corrective action is only practical in separated sewer areas. Under Phase 3 CSO, the City will evaluate the development of informative brochures to send to all homeowners.
25	The City lacks public education materials associated with roof leaders and sump pumps.	The City will consider using a public education campaign to inform residents of proper plumbing in areas of separated sewer.	Within one year after EPA approves the CMOM Action Plan	The City is considering this as part of their Phase 3 CSO work. Refer to Item #24 status.
26	The City does not have a system-wide manhole inspection program.	Perform manhole inspections using NASSCO Level 1 MACP. Prioritize and schedule using the risk-based approach described in Appendices B and F rehabilitation. The City plans to complete manhole inspections while performing pipe inspections.	Will begin to implement program within six months after EPA approves the CMOM Action Plan.	Manholes inspection are ongoing as part of pipe inspections. As the City contracts with engineering firms for CCTV work, their scope will also include manhole inspections. The City has implemented NAASCO MACP sewer inspection standards and requires contractors to be NAASCO certified when performing inspections. In addition, MACP Level 1 form has been created in the City's CMMS Utility Cloud. The City will ask CCTV vendors to perform a MACP level 1 when they CCTV a sewer segment.

TABLE 7-2
CMOM-RELATED EXPENSES THAT OCCURRED
DURING REPORTING PERIOD 10
(JANUARY THROUGH JUNE 2021)

Account	Funds Expended during Reporting Period	Account Description
Lift Station Operation and Maintenance	\$82,356	Used to fund costs for all maintenance and repair of the wastewater collection system. Haverhill's system includes approximately 200 miles of gravity sewer which includes 8-inch up to 72-inch pipe, 36 pumping stations and 3 siphons under the Merrimack River.
Sewer Assessment & Inspection	\$21,878	Used to fund cleaning, CCTV inspection, and assessment of sewer lines and grit removal
Service Contracts	\$37,312	Used to fund the annual service contracts for various items in the wastewater department.
Wastewater Infrastructure	\$34,000	This account is used for sewer repair miscellaneous items. This is an annual appropriation funded from current year revenues.
Wastewater Capital	\$0	Funds are used for expenditures greater than \$10,000 with a life greater than 3-years. This is an annual appropriation funded from current year revenues.
Storm Water - Capital	\$111,665	Funds capital expenditures greater than \$10,000 with a life greater than 3-years. Funds are annual appropriations from user rates and fees.
Stormwater Expense	\$92,208	Funds various expenses related to stormwater system operation and maintenance, street sweeping, federal and state permit requirements, and the downtown flood system. There is currently no revenue source for stormwater expenditures.
Vac-Truck Purchase (Loan)	\$457,712	City has received the Vac-Truck.
Total Spent During Reporting Period	\$837,130	





CITY OF HAVERHILL, MASSACHUSETTS

NPDES PERMIT No. MA0101621

CONSENT DECREE

(Civil Action No. 16-11698-IT, 11/10/16)

COMPLIANCE REPORT No. 10

JANUARY THROUGH JUNE 2021

APPENDICES




OCTOBER 2021

APPENDIX A




OUTFALL INVESTIGATIONS AND INSPECTIONS

JANUARY 2021




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL0640				OUTFALL ID:		CL0640			
Date/Time:		2021-01-20 11:21:00									
Temperature: °F		34				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		DANRICH CT									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL0641				OUTFALL ID:		CL0641			
Date/Time:		2021-01-20 11:13:00									
Temperature: °F		34				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				Green							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											



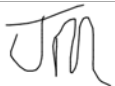
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CL0678			OUTFALL ID:		CL0678			
Date/Time:		2021-01-22 13:19								
Temperature: °F		41			Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		GATES FARM CIR								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00			Amount (inches):		1.2			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		Reinforced Concrete			Circle		32		In Water:	No
									With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?			Indicator Description					
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:			
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL0679				OUTFALL ID:		CL0679			
Date/Time:		2021-01-22 13:15									
Temperature: °F		41				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		GATES FARM CIR									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		32		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											



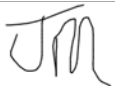
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CL00686				OUTFALL ID:		CL00686		
Date/Time:		2021-01-22 12:53								
Temperature: °F		41				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete		Circle	48	In Water:		Partially		
						With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA														
ASSET ID:		CL0685				OUTFALL ID:		CL0685						
Date/Time:		2021-01-22 12:21												
Temperature: °F		38				Inspector(s):		Jesse Middleton						
Street Name/Structure Location:		SAWMILL RIDGE RD												
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2						
Pictures														
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION														
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete			Circle		32		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">In Water:</td> <td>No</td> </tr> <tr> <td style="background-color: #d3d3d3;">With Sediment:</td> <td>Partially</td> </tr> </table>		In Water:	No	With Sediment:	Partially
In Water:	No													
With Sediment:	Partially													
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS														
Indicator		Indicator Present?			Indicator Description									
Asset Damage		None												
Deposits/Stains		None												
Pool Quality		None												
Pipe Algae/Growth		None												
*Do physical indicators suggest an illicit discharge is present (Y/N):		No												
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:							
Comments :														
Signature of Inspector :														




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL00686				OUTFALL ID:		CL00686			
Date/Time:		2021-01-22 12:53									
Temperature: °F		41				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		48		In Water:	
										Partially	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CL00688				OUTFALL ID:		CL00688		
Date/Time:		2021-01-20 11:33:00								
Temperature: °F		34				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		FAIRVIEW FARM RD								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete		Circle	12	In Water:		Partially		
						With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		FB0712				OUTFALL ID:		FB0712			
Date/Time:		2021-01-20 10:31:00									
Temperature: °F		32				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		32		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		FB0718				OUTFALL ID:		FB0718			
Date/Time:		2021-01-20 10:56:00									
Temperature: °F		32				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										Partially	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		HB46713				OUTFALL ID:		HB46713					
Date/Time:		2021-01-26 12:48											
Temperature: °F		31				Inspector(s):		Jesse Middleton					
Street Name/Structure Location:		RIVER ST											
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		10		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:					
Comments :													
Signature of Inspector :													




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR0754				OUTFALL ID:		MR0754		
Date/Time:		2021-01-26 12:52								
Temperature: °F		31				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Vitrified Clay		Circle		10		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		Cracking								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR0772				OUTFALL ID:		MR0772		
Date/Time:		2021-01-26 13:06								
Temperature: °F		31				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		RIVER ST								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete		Circle	18	In Water:	No	With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		Flow Line								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR0836				OUTFALL ID:		MR0836			
Date/Time:		2021-01-26 13:04									
Temperature: °F		31				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		RIVER ST									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				Flow Line							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0629				OUTFALL ID:		UNK0629			
Date/Time:		2021-01-26 13:15									
Temperature: °F		31				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0693				OUTFALL ID:		UNK0693		
Date/Time:		2021-01-22 13:40								
Temperature: °F		42				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		CRYSTAL CT								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		24		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0774				OUTFALL ID:		UNK0774			
Date/Time:		2021-01-26 13:39									
Temperature: °F		32				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											



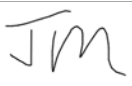
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA														
ASSET ID:		UNK0775			OUTFALL ID:		UNK0775							
Date/Time:		2021-01-26 13:41												
Temperature: °F		32			Inspector(s):		Jesse Middleton							
Street Name/Structure Location:		Cross Country												
Previous Precipitation Date/End Time:		2021-01-16 14:40:00			Amount (inches):		1.2							
Pictures														
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION														
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete			Circle		18		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">In Water:</td> <td>No</td> </tr> <tr> <td style="background-color: #d3d3d3;">With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No													
With Sediment:	No													
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS														
Indicator		Indicator Present?			Indicator Description									
Asset Damage		None												
Deposits/Stains		None												
Pool Quality		None												
Pipe Algae/Growth		None												
*Do physical indicators suggest an illicit discharge is present (Y/N):		No												
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:							
Comments :														
Signature of Inspector :														




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK0776				OUTFALL ID:		UNK0776	
Date/Time:		2021-01-26 13:31							
Temperature: °F		32				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2	
Pictures	<div style="display: flex; justify-content: space-around; align-items: center;">   </div>								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	12	In Water:		No		
					With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1858				OUTFALL ID:		UNK1858		
Date/Time:		2021-01-22 13:10								
Temperature: °F		41				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		VILLAGE WOODS RD								
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		24		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1859				OUTFALL ID:		UNK1859			
Date/Time:		2021-01-22 13:08									
Temperature: °F		41				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		VILLAGE WOODS RD									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall



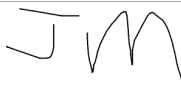
SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK46312				OUTFALL ID:		UNK46312		
Date/Time:		2021-01-26 13:25								
Temperature: °F		31				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		RIDGELAND HEIGHTS RD								
Previous Precipitation Date/End Time:		2021-01-23 14:40:00				Amount (inches):		1.2		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete		Circle	18	In Water:		No		
						With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
SECTION 4: COMMENTS AND SIGNATURE										
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall



SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK46313				OUTFALL ID:		UNK46313			
Date/Time:		2021-01-26 13:20									
Temperature: °F		31				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		RIDGELAND HEIGHTS RD									
Previous Precipitation Date/End Time:		2021-01-16 14:40:00				Amount (inches):		1.2			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											

APRIL 2021




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR0749				OUTFALL ID:		MR0749			
Date/Time:		2021-04-24 8:05									
Temperature: °F		47				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR0751				OUTFALL ID:		MR0751			
Date/Time:		2021-04-24 6:57									
Temperature: °F		52				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR1009			OUTFALL ID:		MR1009			
Date/Time:		2021-04-24 8:34								
Temperature: °F		48			Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-04-21 16:08:00			Amount (inches):		0.1			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Reinforced Concrete			Circle		24	In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										



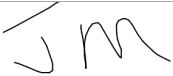
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		MR32721				OUTFALL ID:		MR32721	
Date/Time:		2021-04-27 11:26							
Temperature: °F		50				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		CROSS COUNTRY							
Previous Precipitation Date/End Time:		2021-04-25 11:50:00				Amount (inches):		0.05	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		Reinforced Concrete		Circle		48		In Water:	No
								With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		Yes		Bacteria growth					
Is Inlet Pipe No.1 Flowing?		Yes		Moderate		Estimated GPM:		10	
Comments :	Needs testing								
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40312				OUTFALL ID:		MR40312			
Date/Time:		2021-04-24 8:21									
Temperature: °F		50				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		MR40313				OUTFALL ID:		MR40313					
Date/Time:		2021-04-24 8:17											
Temperature: °F		50				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart					
Street Name/Structure Location:		WESTERN AVE											
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		12		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:							
Comments :													
Signature of Inspector :													

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40314				OUTFALL ID:		MR40314			
Date/Time:		2021-04-24 8:00									
Temperature: °F		47				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40316				OUTFALL ID:		MR40316			
Date/Time:		2021-04-24 7:47									
Temperature: °F		46				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40316				OUTFALL ID:		MR40316			
Date/Time:		2021-04-24 7:47									
Temperature: °F		46				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40712				OUTFALL ID:		MR40712			
Date/Time:		2021-04-24 7:44									
Temperature: °F		46				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 18:06:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40713				OUTFALL ID:		MR40713			
Date/Time:		2021-04-24 7:21									
Temperature: °F		52				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No				Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR40714				OUTFALL ID:		MR40714			
Date/Time:		2021-04-24 7:16									
Temperature: °F		52				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		WESTERN AVE									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR67513				OUTFALL ID:		MR67513			
Date/Time:		2021-04-24 7:04:00									
Temperature: °F		42				Inspector(s):		Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart			
Street Name/Structure Location:		CROSS COUNTRY									
Previous Precipitation Date/End Time:		2021-04-21 16:08:00				Amount (inches):		0.1			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe										In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage											
Deposits/Stains											
Pool Quality											
Pipe Algae/Growth											
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?										Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA								
ASSET ID:		MR67514			OUTFALL ID:		MR67514	
Date/Time:		2021-04-27 8:56						
Temperature: °F		52			Inspector(s):			Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart
Street Name/Structure Location:		CROSS COUNTRY						
Previous Precipitation Date/End Time:		2021-04-21 16:08:00			Amount (inches):			0.1
Pictures								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION								
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged		
Outfall Pipe						In Water:		
						With Sediment:		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS								
Indicator		Indicator Present?		Indicator Description				
Asset Damage								
Deposits/Stains								
Pool Quality								
Pipe Algae/Growth								
*Do physical indicators suggest an illicit discharge is present (Y/N):								
Is Inlet Pipe No.1 Flowing?						Estimated GPM:		
Comments :								
Signature of Inspector :								




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA								
ASSET ID:		MR67913			OUTFALL ID:		MR67913	
Date/Time:		2021-04-27 8:41						
Temperature: °F		52			Inspector(s):			Jesse Middleton Samuel Martinez Zebulan Day Derek Beckwith Brett Robart
Street Name/Structure Location:		CROSS COUNTRY						
Previous Precipitation Date/End Time:		2021-04-21 16:08:00			Amount (inches):			0.1
Pictures								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION								
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged			
Outfall Pipe					In Water:			
					With Sediment:			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS								
Indicator		Indicator Present?		Indicator Description				
Asset Damage								
Deposits/Stains								
Pool Quality								
Pipe Algae/Growth								
*Do physical indicators suggest an illicit discharge is present (Y/N):								
Is Inlet Pipe No.1 Flowing?						Estimated GPM:		
Comments :	photos reflect flush water used to determine outfall location							
Signature of Inspector :								




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK28326				OUTFALL ID:		UNK28326	
Date/Time:		2021-04-27 12:58							
Temperature: °F		56				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		BOXFORD RD							
Previous Precipitation Date/End Time:		2021-04-25 11:50:00				Amount (inches):		0.05	
Pictures	<div style="display: flex; justify-content: space-around;">   </div>								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Poly Vinyl Chloride	Circle	12	In Water:		No		
					With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									

Haverhill IDDE Inspection Form Outfall



SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK32716			OUTFALL ID:		UNK32716			
Date/Time:		2021-04-27 11:34								
Temperature: °F		50			Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		RIVER ST								
Previous Precipitation Date/End Time:		2021-04-25 11:50:00			Amount (inches):		0.05			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Reinforced Concrete			Circle		10	In Water:	No	
								With Sediment:	Partially	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall

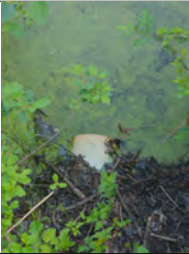

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK32717				OUTFALL ID:		UNK32717		
Date/Time:		2021-04-27 11:36								
Temperature: °F		50				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		RIVER ST								
Previous Precipitation Date/End Time:		2021-04-25 11:50:00				Amount (inches):		0.05		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Brick		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										

MAY 2021




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		BZB43112				OUTFALL ID:		BZB43112		
Date/Time:		2021-05-23 7:31								
Temperature: °F		70				Inspector(s):		James Conte Justin Mazzotta		
Street Name/Structure Location:										
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe	CB-8661	Poly Vinyl Chloride		Circle	10	In Water:		No		
						With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :		<div style="font-size: 2em; font-family: cursive;">JC JM</div>								



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		CP25116				OUTFALL ID:		CP25116	
Date/Time:		2021-05-23 8:12							
Temperature: °F		69				Inspector(s):		Jesse Middleton Zebulan Day	
Street Name/Structure Location:		BARKER ST							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Poly Vinyl Chloride	Circle	8	In Water: Fully				
					With Sediment: No				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :	Wetlands								
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		DP10636				OUTFALL ID:		DP10636		
Date/Time:		2021-05-23 8:47								
Temperature: °F		75				Inspector(s):		James Conte Justin Mazzotta		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-22 2:28:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe	DMH-4601	Asbestos Concrete		Circle	12	In Water:		Partially		
						With Sediment:		Partially		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage										
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		Green								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI0853				OUTFALL ID:		DPI0853			
Date/Time:		2021-05-12 10:26									
Temperature: °F		57				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI0854			OUTFALL ID:		DPI0854				
Date/Time:		2021-05-12 10:32									
Temperature: °F		57			Inspector(s):		Jesse Middleton				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											

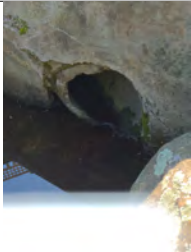


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI1001			OUTFALL ID:		DPI1001				
Date/Time:		2021-05-20 9:59									
Temperature: °F		67			Inspector(s):		Jesse Middleton				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Corrugated Metal		Circle		36		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI1003				OUTFALL ID:		DPI1003			
Date/Time:		2021-05-19 10:26									
Temperature: °F		69				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										Partially	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI1004				OUTFALL ID:		DPI1004			
Date/Time:		2021-05-19 10:13									
Temperature: °F		69				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI1131				OUTFALL ID:		DPI1131			
Date/Time:		2021-05-24 12:56									
Temperature: °F		64				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Poly Vinyl Chloride		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall


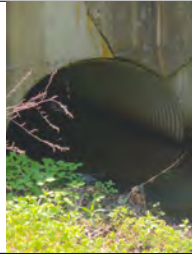

SECTION 1: BACKGROUND DATA									
ASSET ID:		DPI1133				OUTFALL ID:		DPI1133	
Date/Time:		2021-05-17 10:20							
Temperature: °F		67				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:00:00				Amount (inches):		0.01	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Reinforced Concrete	Circle	12	In Water:	No
					With Sediment:	No

SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :			
Signature of Inspector :			

Haverhill IDDE Inspection Form Outfall


SECTION 1: BACKGROUND DATA										
ASSET ID:		DP01007			OUTFALL ID:		DP01007			
Date/Time:		2021-05-19 10:33								
Temperature: °F		69			Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-16 15:55:00			Amount (inches):		0.01			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape	Diameter/Dimension (in.)	Submerged			
Outfall Pipe		Corrugated Metal			Circle	36	In Water:	No		
							With Sediment:	No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :	Wetlands									
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall



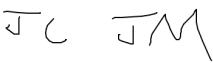
SECTION 1: BACKGROUND DATA									
ASSET ID:		JP1179				OUTFALL ID:		JP1179	
Date/Time:		2021-05-23 9:04							
Temperature: °F		74				Inspector(s):		Jesse Middleton Zebulan Day	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Reinforced Concrete	Circle	12	In Water:	No
					With Sediment:	No



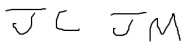
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :	Needs Dredging		
Signature of Inspector :			



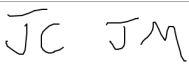
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		JP1180			OUTFALL ID:		JP1180		
Date/Time:		2021-05-23 9:24							
Temperature: °F		80			Inspector(s):		James Conte Justin Mazzotta		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged			
Outfall Pipe	CB-3643	Reinforced Concrete		Circle	8	In Water:		No	
						With Sediment:		Fully	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?						Estimated GPM:			
Comments :	Pipe buried need maintenance								
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		JP1740			OUTFALL ID:		JP1740				
Date/Time:		2021-05-23 9:50:00									
Temperature: °F		80			Inspector(s):		James Conte Justin Mazzotta				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		DMH-7047		Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :		Could use minor maintenance									
Signature of Inspector :											



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		JP1741			OUTFALL ID:		JP1741		
Date/Time:		2021-05-23 9:33							
Temperature: °F		80			Inspector(s):		James Conte Justin Mazzotta		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material			Shape	Diameter/Dimension (in.)	Submerged		
Outfall Pipe	DMH-7046	Reinforced Concrete			Circle	15	In Water:		
							With Sediment:		
							No		
							Fully		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :	Buried in leaves needs maintenance								
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR0648				OUTFALL ID:		MR0648			
Date/Time:		2021-05-14 12:48									
Temperature: °F		73				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
										No	
										Partially	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR0649				OUTFALL ID:		MR0649		
Date/Time:		2021-05-14 12:50								
Temperature: °F		73				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		HDPE		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
SECTION 4: COMMENTS AND SIGNATURE										
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR0650				OUTFALL ID:		MR0650		
Date/Time:		2021-05-14 12:52								
Temperature: °F		73				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		HDPE		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		MR1058				OUTFALL ID:		MR1058					
Date/Time:		2021-05-14 12:46											
Temperature: °F		73				Inspector(s):		Jesse Middleton					
Street Name/Structure Location:		Cross Country											
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		12		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:							
SECTION 4: COMMENTS AND SIGNATURE													
Comments :													
Signature of Inspector :													




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR1152			OUTFALL ID:		MR1152				
Date/Time:		2021-05-23 8:29									
Temperature: °F		70			Inspector(s):		Samuel Martinez Brett Robart				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Poly Vinyl Chloride		Circle		12		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR1268			OUTFALL ID:		MR1268			
Date/Time:		2021-05-23 8:59								
Temperature: °F		75			Inspector(s):		Samuel Martinez/Brett Robart			
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		HDPE		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0652				OUTFALL ID:		UNK0652		
Date/Time:		2021-05-12 10:22								
Temperature: °F		57				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape	Diameter/Dimension (in.)	Submerged			
Outfall Pipe		Reinforced Concrete			Circle	18	In Water:	No		
							With Sediment:	No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?			Indicator Description					
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:			
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0663			OUTFALL ID:		UNK0663				
Date/Time:		2021-05-19 9:58									
Temperature: °F		68			Inspector(s):		Jesse Middleton				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Poly Vinyl Chloride		Circle		6		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK0725				OUTFALL ID:		UNK0725	
Date/Time:		2021-05-25 11:10							
Temperature: °F		66				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Poly Vinyl Chloride	Circle	8	In Water:				
					No				
					With Sediment:				
					No				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		Yes		Moderate		Estimated GPM:		1	
Comments :	DP0- flow expected								
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK0726			OUTFALL ID:		UNK0726		
Date/Time:		2021-05-25 11:06							
Temperature: °F		66			Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		GLENVIEW RD							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03		
Pictures	<div style="display: flex; justify-content: space-around;">   </div>								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged			
Outfall Pipe		Reinforced Concrete		Circle	15	In Water:		No	
						With Sediment:		No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		UNK0727				OUTFALL ID:		UNK0727					
Date/Time:		2021-05-25 10:50											
Temperature: °F		66				Inspector(s):		Jesse Middleton					
Street Name/Structure Location:		Cross Country											
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		12		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:							
Comments :													
Signature of Inspector :													




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		UNK0728				OUTFALL ID:		UNK0728					
Date/Time:		2021-05-25 10:56											
Temperature: °F		66				Inspector(s):		Samuel Martinez					
Street Name/Structure Location:		Cross Country											
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		18		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:					
Comments :													
Signature of Inspector :													

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0850				OUTFALL ID:		UNK0850			
Date/Time:		2021-05-12 10:45									
Temperature: °F		57				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0881				OUTFALL ID:		UNK0881		
Date/Time:		2021-05-12 10:16								
Temperature: °F		57				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		30		In Water:	Partially	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
SECTION 4: COMMENTS AND SIGNATURE										
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form
Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		#N/A				OUTFALL ID:		#N/A			
Date/Time:		#N/A									
Temperature: °F		#N/A				Inspector(s):		#N/A			
Street Name/Structure Location:											
Previous Precipitation Date/End Time:		#N/A			Amount (inches):		#N/A				
Pictures		#N/A				#N/A					
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		#N/A		#N/A		#N/A		#N/A		In Water: #N/A	
										With Sediment: #N/A	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?			Indicator Description				
Asset Damage				#N/A			#N/A				
Deposits/Stains				#N/A			#N/A				
Pool Quality				#N/A			#N/A				
Pipe Algae/Growth				#N/A			#N/A				
*Do physical indicators suggest an illicit discharge is present (Y/N):				#N/A			#N/A				
Is Inlet Pipe No.1 Flowing?				#N/A			#N/A		Estimated GPM: #N/A		
Comments :		#N/A									
Signature of Inspector :		#N/A									



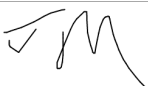
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0903				OUTFALL ID:		UNK0903			
Date/Time:		2021-05-12 10:02									
Temperature: °F		56				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Corrugated Metal		Circle		32		In Water:	
										Partially	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :		Outfall/culvert. DPI									
Signature of Inspector :											


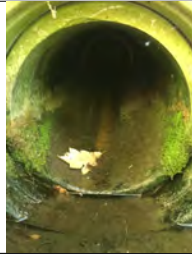

Haverhill IDDE Inspection Form
Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		#N/A				OUTFALL ID:		#N/A			
Date/Time:		#N/A									
Temperature: °F		#N/A				Inspector(s):		#N/A			
Street Name/Structure Location:											
Previous Precipitation Date/End Time:		#N/A			Amount (inches):		#N/A				
Pictures		#N/A				#N/A					
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		#N/A		#N/A		#N/A		#N/A		In Water: #N/A	
										With Sediment: #N/A	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?			Indicator Description				
Asset Damage				#N/A			#N/A				
Deposits/Stains				#N/A			#N/A				
Pool Quality				#N/A			#N/A				
Pipe Algae/Growth				#N/A			#N/A				
*Do physical indicators suggest an illicit discharge is present (Y/N):				#N/A			#N/A				
Is Inlet Pipe No.1 Flowing?				#N/A			#N/A		Estimated GPM: #N/A		
Comments :		#N/A									
Signature of Inspector :		#N/A									


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA														
ASSET ID:		UNK0910			OUTFALL ID:		UNK0910							
Date/Time:		2021-05-12 9:42												
Temperature: °F		55			Inspector(s):		Jesse Middleton							
Street Name/Structure Location:		Cross Country												
Previous Precipitation Date/End Time:		2021-05-09 7:00:00			Amount (inches):		0.01							
Pictures														
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION														
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete			Circle		18		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">In Water:</td> <td>Partially</td> </tr> <tr> <td style="background-color: #d3d3d3;">With Sediment:</td> <td>No</td> </tr> </table>		In Water:	Partially	With Sediment:	No
In Water:	Partially													
With Sediment:	No													
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS														
Indicator		Indicator Present?			Indicator Description									
Asset Damage		None												
Deposits/Stains		None												
Pool Quality		None												
Pipe Algae/Growth		None												
*Do physical indicators suggest an illicit discharge is present (Y/N):		No												
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:							
Comments :														
Signature of Inspector :														

Haverhill IDDE Inspection Form Outfall


SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0939				OUTFALL ID:		UNK0939		
Date/Time:		2021-05-23 8:18								
Temperature: °F		73				Inspector(s):		James Conte Justin Mazzotta		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-22 2:28:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe	CB-1080	Asbestos Concrete		Circle	12"	In Water:	Partially			
						With Sediment:	No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None Flow Line								
Pool Quality		None								
Pipe Algae/Growth										
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall


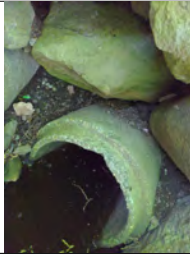

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1000				OUTFALL ID:		UNK1000	
Date/Time:		2021-05-20 10:06							
Temperature: °F		68				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Reinforced Concrete	Circle	12	In Water:	No
					With Sediment:	No



SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :			
Signature of Inspector :			



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1002				OUTFALL ID:		UNK1002			
Date/Time:		2021-05-19 10:19									
Temperature: °F		69				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		16		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :		Wetlands									
Signature of Inspector :											

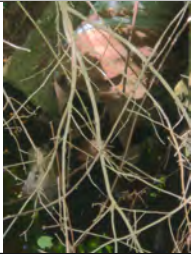

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1005				OUTFALL ID:		UNK1005	
Date/Time:		2021-05-20 10:27							
Temperature: °F		69				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	15	<div style="display: flex; justify-content: space-between;"> In Water: No </div>				
					<div style="display: flex; justify-content: space-between;"> With Sediment: Fully </div>				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1006				OUTFALL ID:		UNK1006	
Date/Time:		2021-05-20 10:34							
Temperature: °F		69				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	18	In Water:		No		
					With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1011				OUTFALL ID:		UNK1011	
Date/Time:		2021-05-25 10:41:00							
Temperature: °F		64				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Corrugated Metal	Circle	12	In Water: No				
					With Sediment: No				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1012				OUTFALL ID:		UNK1012	
Date/Time:		2021-05-25 10:44							
Temperature: °F		64				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		Reinforced Concrete		Circle		24		In Water:	No
								With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1016				OUTFALL ID:		UNK1016			
Date/Time:		2021-05-23 9:20									
Temperature: °F		74				Inspector(s):		Jesse Middleton Zebulan Day			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										Fully	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :		Needs dredging									
Signature of Inspector :											


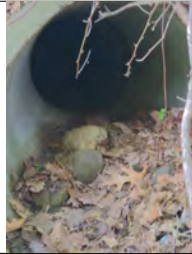

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1054				OUTFALL ID:		UNK1054			
Date/Time:		2021-05-20 11:28									
Temperature: °F		70				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1104				OUTFALL ID:		UNK1104			
Date/Time:		2021-05-23 7:48									
Temperature: °F		69				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		DORIAN DR									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1105			OUTFALL ID:		UNK1105			
Date/Time:		2021-05-23 7:50								
Temperature: °F		69			Inspector(s):		Jesse Middleton Zebulan Day			
Street Name/Structure Location:		DORIAN DR								
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Reinforced Concrete			Circle		24	In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?			Indicator Description					
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:			
Comments :										
Signature of Inspector :										


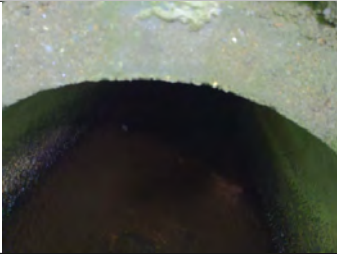

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1143			OUTFALL ID:		UNK1143				
Date/Time:		2021-05-23 9:29									
Temperature: °F		75			Inspector(s):		Samuel Martinez Brett Robart				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		15		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1174				OUTFALL ID:		UNK1174			
Date/Time:		2021-05-23 8:02									
Temperature: °F		69				Inspector(s):		Jesse Middleton Zebulan Day			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete				18		In Water:	
										With Sediment:	
										No	
										Fully	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1175			OUTFALL ID:		UNK1175		
Date/Time:		2021-05-23 8:07							
Temperature: °F		69			Inspector(s):		Jesse Middleton Zebulan Day		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged			
Outfall Pipe		Reinforced Concrete		Circle	24	In Water:		Partially	
						With Sediment:		No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :	Wetlands								
Signature of Inspector :									



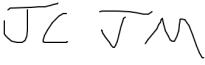
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1284				OUTFALL ID:		UNK1284			
Date/Time:		2021-05-24 13:42									
Temperature: °F		69				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA														
ASSET ID:		UNK1205			OUTFALL ID:		UNK1205							
Date/Time:		2021-05-24 13:38												
Temperature: °F		69			Inspector(s):		Jesse Middleton							
Street Name/Structure Location:		Cross Country												
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03							
Pictures														
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION														
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete			Circle		24		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f2f2f2;">In Water:</td> <td>No</td> </tr> <tr> <td style="background-color: #f2f2f2;">With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No													
With Sediment:	No													
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS														
Indicator		Indicator Present?			Indicator Description									
Asset Damage		None												
Deposits/Stains		None												
Pool Quality		None												
Pipe Algae/Growth		None												
*Do physical indicators suggest an illicit discharge is present (Y/N):		No												
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:							
Comments :														
Signature of Inspector :														




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1223				OUTFALL ID:		UNK1223		
Date/Time:		2021-05-23 9:02								
Temperature: °F		75				Inspector(s):		James ConteJustin Mazzotta		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe	DMH-4763	Reinforced Concrete		Circle	15	In Water:	Partially			
						With Sediment:	No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :	Pool quality clear									
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1264				OUTFALL ID:		UNK1264		
Date/Time:		2021-05-17 10:26								
Temperature: °F		67				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-16 15:00:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		15		<div style="display: flex; justify-content: space-between;"> In Water: No </div> <div style="display: flex; justify-content: space-between;"> With Sediment: No </div>		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1265			OUTFALL ID:		UNK1265		
Date/Time:		2021-05-17 10:37							
Temperature: °F		68			Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:00:00			Amount (inches):		0.01		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	15					
					In Water:	No			
					With Sediment:	Partially			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									

Haverhill IDDE Inspection Form Outfall




SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1266				OUTFALL ID:		UNK1266	
Date/Time:		2021-05-17 10:34							
Temperature: °F		68				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:00:00				Amount (inches):		0.01	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Reinforced Concrete	Circle	15	In Water:	No
					With Sediment:	No

SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :			
Signature of Inspector :			




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1269				OUTFALL ID:		UNK1269		
Date/Time:		2021-05-20 10:49								
Temperature: °F		69				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form
Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		#N/A				OUTFALL ID:		#N/A			
Date/Time:		#N/A									
Temperature: °F		#N/A				Inspector(s):		#N/A			
Street Name/Structure Location:											
Previous Precipitation Date/End Time:		#N/A			Amount (inches):		#N/A				
Pictures		#N/A				#N/A					
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		#N/A		#N/A		#N/A		#N/A		In Water: #N/A	
										With Sediment: #N/A	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?			Indicator Description				
Asset Damage				#N/A			#N/A				
Deposits/Stains				#N/A			#N/A				
Pool Quality				#N/A			#N/A				
Pipe Algae/Growth				#N/A			#N/A				
*Do physical indicators suggest an illicit discharge is present (Y/N):				#N/A			#N/A				
Is Inlet Pipe No.1 Flowing?				#N/A			#N/A		Estimated GPM: #N/A		
Comments :		#N/A									
Signature of Inspector :		#N/A									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1684				OUTFALL ID:		UNK1684			
Date/Time:		2021-05-25 10:03									
Temperature: °F		61				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											


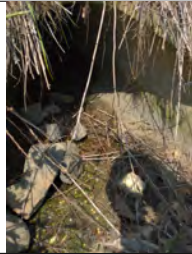

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1685				OUTFALL ID:		UNK1685			
Date/Time:		2021-05-25 10:05									
Temperature: °F		61				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1738			OUTFALL ID:		UNK1738		
Date/Time:		2021-05-20 11:13							
Temperature: °F		70			Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00			Amount (inches):		0.01		
Pictures	 								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material			Shape	Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Reinforced Concrete			Circle	18	In Water:	No	
							With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?			Indicator Description				
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:		
Comments :									
Signature of Inspector :									


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1739			OUTFALL ID:		UNK1739				
Date/Time:		2021-05-20 11:21									
Temperature: °F		70			Inspector(s):		Jesse Middleton				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall


SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1765			OUTFALL ID:		UNK1765		
Date/Time:		2021-05-19 11:32							
Temperature: °F		71			Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		CHADWICK RD							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00			Amount (inches):		0.01		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	12					
					In Water:	No			
					With Sediment:	No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									

Haverhill IDDE Inspection Form Outfall



SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1766				OUTFALL ID:		UNK1766	
Date/Time:		2021-05-20 10:31							
Temperature: °F		69				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		KINGSBURY AVE							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Reinforced Concrete	Circle	20	In Water:	Partially
					With Sediment:	No




SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :	Wetland		
Signature of Inspector :			




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1772				OUTFALL ID:		UNK1772	
Date/Time:		2021-05-24 12:21							
Temperature: °F		63				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	18	<div style="display: flex; justify-content: space-between;"> In Water: No </div>				
					<div style="display: flex; justify-content: space-between;"> With Sediment: Partially </div>				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1775				OUTFALL ID:		UNK1775			
Date/Time:		2021-05-20 10:39									
Temperature: °F		69				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		KINGSBURY AVE									
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1867				OUTFALL ID:		UNK1867			
Date/Time:		2021-05-25 10:17									
Temperature: °F		64				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		LAKE ST									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK16715				OUTFALL ID:		UNK16715			
Date/Time:		2021-05-25 11:08									
Temperature: °F		66				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		CROSS COUNTRY									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		15		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK23512			OUTFALL ID:		UNK23512				
Date/Time:		2021-05-23 7:11									
Temperature: °F		66			Inspector(s):		Jesse Middleton Zebulan Day				
Street Name/Structure Location:		WILLOW AVE									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00			Amount (inches):		0.03				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :		Wetlands									
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK24721				OUTFALL ID:		UNK24721		
Date/Time:		2021-05-23 7:22								
Temperature: °F		68				Inspector(s):		Jesse Middleton Zebulan Day		
Street Name/Structure Location:		WILLOW AVE								
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :	Needs dredging									
Signature of Inspector :										



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK25112				OUTFALL ID:		UNK25112			
Date/Time:		2021-05-23 7:38									
Temperature: °F		68				Inspector(s):		Jesse Middleton Zebulan Day			
Street Name/Structure Location:		WILLOW AVE									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :		Headwall disrepair									
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK25113				OUTFALL ID:		UNK25113		
Date/Time:		2021-05-23 7:36								
Temperature: °F		68				Inspector(s):		Jesse Middleton Zebulan Day		
Street Name/Structure Location:		WILLOW AVE								
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :	Headwall disrepair									
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK25114				OUTFALL ID:		UNK25114	
Date/Time:		2021-05-23 7:41							
Temperature: °F		69				Inspector(s):		Jesse Middleton Zebulan Day	
Street Name/Structure Location:		WILLOW AVE							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	12					
					In Water:	No			
					With Sediment:	No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK25115				OUTFALL ID:		UNK25115		
Date/Time:		2021-05-23 7:18								
Temperature: °F		66				Inspector(s):		Jesse Middleton Zebulan Day		
Street Name/Structure Location:										
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :	Headwall disrepair									
Signature of Inspector :										


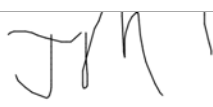
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK25512				OUTFALL ID:		UNK25512			
Date/Time:		2021-05-24 14:16									
Temperature: °F		65				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		ELAINE MARIE DR									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK27513				OUTFALL ID:		UNK27513		
Date/Time:		2021-05-12 10:40								
Temperature: °F		57				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		CROSS COUNTRY								
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		16		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall


SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK33915				OUTFALL ID:		UNK33915	
Date/Time:		2021-05-24 13:12							
Temperature: °F		69				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		HADLEY WEST							
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	18					
					In Water:	No			
					With Sediment:	No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
<div style="display: flex; align-items: center;"> <div style="width: 10%;">Signature of Inspector :</div> <div style="width: 90%; text-align: center;">  </div> </div>									

Haverhill IDDE Inspection Form Outfall




SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK37912				OUTFALL ID:		UNK37912	
Date/Time:		2021-05-20 9:52							
Temperature: °F		67				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-05-16 15:55:00				Amount (inches):		0.01	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Corrugated Metal	Circle	36	In Water:	Partially
					With Sediment:	No


SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :			
Signature of Inspector :			



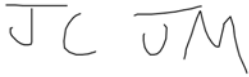
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK39116				OUTFALL ID:		UNK39116			
Date/Time:		2021-05-12 11:00									
Temperature: °F		58				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		CROSS COUNTRY									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		16		In Water:	
										With Sediment:	
										No	
										Partially	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
								Estimated GPM:			
Comments :		Could use jetting									
Signature of Inspector :											

Haverhill IDDE Inspection Form
Outfall



SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK39516				OUTFALL ID:		UNK39516	
Date/Time:		2021-05-12 10:52							
Temperature: °F		58				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:									
Previous Precipitation Date/End Time:		2021-05-09 7:00:00				Amount (inches):		0.01	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)	
Outfall Pipe				Reinforced Concrete		Square		16	
								Submerged	
								In Water: No	
								With Sediment: No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator				Indicator Present?		Indicator Description			
Asset Damage				None					
Deposits/Stains				None					
Pool Quality				None					
Pipe Algae/Growth				None					
*Do physical indicators suggest an illicit discharge is present (Y/N):				No					
Is Inlet Pipe No.1 Flowing?				No		Estimated GPM:			
Comments :		Unable to get clear picture. Did confirm no dry weather flow							
Signature of Inspector :									

Haverhill IDDE Inspection Form Outfall


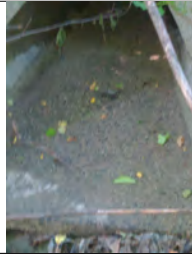

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK57912				OUTFALL ID:		UNK57912			
Date/Time:		2021-05-23 7:44									
Temperature: °F		70				Inspector(s):		James Conte Justin Mazzotta			
Street Name/Structure Location:		CROSS COUNTRY									
Previous Precipitation Date/End Time:		2021-05-22 2:25:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				HDPP		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :		This is a culvert									
Signature of Inspector :											

JUNE 2021




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CB0975				OUTFALL ID:		CB0975		
Date/Time:		2021-06-29 8:46								
Temperature: °F		84				Inspector(s):		Andrew Salois		
Street Name/Structure Location:		MORNINGSIDE DR								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	Partially	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?								Estimated GPM:		
Comments :										
Signature of Inspector :										


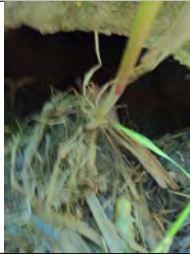

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CB0976				OUTFALL ID:		CB0976			
Date/Time:		2021-06-29 8:57									
Temperature: °F		84				Inspector(s):		Andrew Salois			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		15		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
										Estimated GPM:	
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CB1194				OUTFALL ID:		CB1194		
Date/Time:		2021-06-29 10:14								
Temperature: °F		90				Inspector(s):		Andrew Salois		
Street Name/Structure Location:		RESEARCH DR								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		15		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?								Estimated GPM:		
Comments :										
Signature of Inspector :										



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CB1195				OUTFALL ID:		CB1195		
Date/Time:		2021-06-29 10:06								
Temperature: °F		90				Inspector(s):		Holly Tang		
Street Name/Structure Location:		RESEARCH DR								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?								Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form
Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		#N/A				OUTFALL ID:		#N/A			
Date/Time:		#N/A									
Temperature: °F		#N/A				Inspector(s):		#N/A			
Street Name/Structure Location:											
Previous Precipitation Date/End Time:		#N/A			Amount (inches):		#N/A				
Pictures		#N/A				#N/A					
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		#N/A		#N/A		#N/A		#N/A		In Water: #N/A	
										With Sediment: #N/A	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?			Indicator Description				
Asset Damage				#N/A			#N/A				
Deposits/Stains				#N/A			#N/A				
Pool Quality				#N/A			#N/A				
Pipe Algae/Growth				#N/A			#N/A				
*Do physical indicators suggest an illicit discharge is present (Y/N):				#N/A			#N/A				
Is Inlet Pipe No.1 Flowing?				#N/A			#N/A		Estimated GPM: #N/A		
Comments :		#N/A									
Signature of Inspector :		#N/A									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CB1198				OUTFALL ID:		CB1198			
Date/Time:		2021-06-29 10:19									
Temperature: °F		90				Inspector(s):		Andrew Salois			
Street Name/Structure Location:		RESEARCH DR									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		36		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?								Estimated GPM:			
Comments :											
Signature of Inspector :											


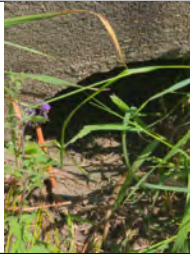

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CB1199			OUTFALL ID:		CB1199				
Date/Time:		2021-06-29 10:40									
Temperature: °F		90			Inspector(s):		Holly Tang				
Street Name/Structure Location:		RESEARCH DR									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?										Estimated GPM:	
Comments :											
Signature of Inspector :											


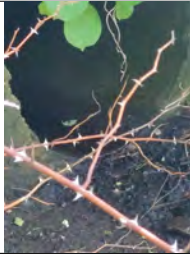
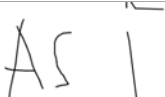
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CB1200				OUTFALL ID:		CB1200			
Date/Time:		2021-06-29 11:05									
Temperature: °F		88				Inspector(s):		Holly Tang			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		8		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :		Completely filled with dirt									
Signature of Inspector :											


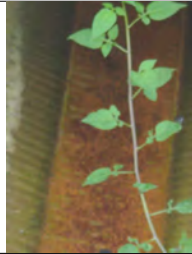

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CB1201				OUTFALL ID:		CB1201			
Date/Time:		2021-06-29 11:16									
Temperature: °F		90				Inspector(s):		Andrew Salois			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
Estimated GPM:											
Comments :											
Signature of Inspector :											


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		CB1202				OUTFALL ID:		CB1202					
Date/Time:		2021-06-29 11:24											
Temperature: °F		90				Inspector(s):		Andrew Salois					
Street Name/Structure Location:		RESEARCH DR											
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		24		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">In Water:</td> <td style="width: 50%; text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">With Sediment:</td> <td style="text-align: center;">No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):													
Is Inlet Pipe No.1 Flowing?													
						Estimated GPM:							
Comments :													
Signature of Inspector :													




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CB11912				OUTFALL ID:		CB11912			
Date/Time:		2021-06-29 8:37									
Temperature: °F		84				Inspector(s):		Andrew Salois			
Street Name/Structure Location:		GLENDALE ST									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?						Estimated GPM:					
Comments :											
Signature of Inspector :											


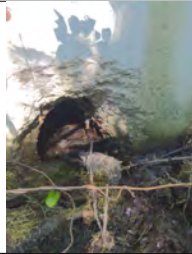

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CB61112				OUTFALL ID:		CB61112		
Date/Time:		2021-06-29 8:26								
Temperature: °F		84				Inspector(s):		Holly Tang		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		16		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		CL0681				OUTFALL ID:		CL0681		
Date/Time:		2021-06-28 9:05								
Temperature: °F		81				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		SAWMILL RIDGE RD								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe			Corrugated Metal		Circle		18		In Water:	No
									With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator			Indicator Present?		Indicator Description					
Asset Damage			None							
Deposits/Stains			None							
Pool Quality			None							
Pipe Algae/Growth			None							
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?					Estimated GPM:					
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL0690				OUTFALL ID:		CL0690			
Date/Time:		2021-06-28 8:55									
Temperature: °F		79				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		RED MAPLE RD									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No		Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL00677				OUTFALL ID:		CL00677			
Date/Time:		2021-06-28 9:37									
Temperature: °F		81				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?										Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											



Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		CL00689-1				OUTFALL ID:		CL00689-1			
Date/Time:		2021-06-28 8:52									
Temperature: °F		79				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		RED MAPLE RD									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?						Estimated GPM:					
Comments :											
Signature of Inspector :											



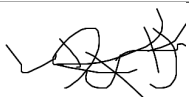
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		DP10943				OUTFALL ID:		DP10943		
Date/Time:		2021-06-20 7:10:00								
Temperature: °F		69				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		HDPE		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										


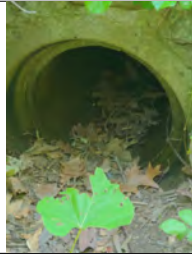
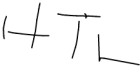
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		DPI0945			OUTFALL ID:		DPI0945		
Date/Time:		2021-06-20 7:04							
Temperature: °F		69			Inspector(s):		Jesse Middleton Zebulan Day Brett Robart		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-06-16 0:45:00			Amount (inches):		0.03		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		HDPE	Circle	12	In Water:				
					With Sediment:				
					No				
					No				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		DP11142			OUTFALL ID:		DP11142		
Date/Time:		2021-06-20 7:56							
Temperature: °F		72			Inspector(s):		Jesse Middleton Zebulan Day Brett Robart		
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-06-16 0:35:00			Amount (inches):		0.3		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		Reinforced Concrete		Circle		24		In Water:	No
								With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):		No							
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:			
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		DPI1162			OUTFALL ID:		DPI1162				
Date/Time:		2021-06-29 9:18									
Temperature: °F		85			Inspector(s):		Holly Tang				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		LR1098				OUTFALL ID:		LR1098			
Date/Time:		2021-06-20 8:47									
Temperature: °F		73				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No				Estimated GPM:			
Comments :											
Signature of Inspector :											


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		LR1099				OUTFALL ID:		LR1099			
Date/Time:		2021-06-20 8:27									
Temperature: °F		73				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall


SECTION 1: BACKGROUND DATA											
ASSET ID:		LR1100			OUTFALL ID:		LR1100				
Date/Time:		2021-06-20 8:50									
Temperature: °F		73			Inspector(s):		Jesse Middleton Zebulan Day Brett Robart				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00			Amount (inches):		0.3				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall




SECTION 1: BACKGROUND DATA									
ASSET ID:		LR1101				OUTFALL ID:		LR1101	
Date/Time:		2021-06-20 8:29							
Temperature: °F		73				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3	
Pictures									

SECTION 2: OUTFALL PIPE ASSET DESCRIPTION						
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged	
Outfall Pipe		Reinforced Concrete	Circle	10	In Water:	Partially
					With Sediment:	No


SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS			
Indicator	Indicator Present?	Indicator Description	
Asset Damage	None		
Deposits/Stains	None		
Pool Quality	None		
Pipe Algae/Growth	None		
*Do physical indicators suggest an illicit discharge is present (Y/N):		No	
Is Inlet Pipe No.1 Flowing?		No	Estimated GPM:

Comments :			
Signature of Inspector :			




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		MR0843				OUTFALL ID:		MR0843					
Date/Time:		2021-06-22 13:29											
Temperature: °F		78				Inspector(s):		Jesse Middleton					
Street Name/Structure Location:		Cross Country											
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		38		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:							
Comments :													
Signature of Inspector :													




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR1121				OUTFALL ID:		MR1121			
Date/Time:		2021-06-22 13:47									
Temperature: °F		73				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :		Maintenance Needed									
Signature of Inspector :											


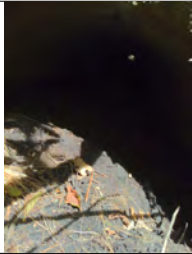

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR1122			OUTFALL ID:		MR1122			
Date/Time:		2021-06-22 13:53								
Temperature: °F		72			Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00			Amount (inches):		0.3			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Reinforced Concrete			Circle		12	In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?			Indicator Description					
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?							Estimated GPM:			
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR1153			OUTFALL ID:		MR1153				
Date/Time:		2021-06-08 10:00									
Temperature: °F		84			Inspector(s):		Jesse Middleton				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-04 14:50:00			Amount (inches):		0.04				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		10		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR23516				OUTFALL ID:		MR23516			
Date/Time:		2021-06-21 13:42									
Temperature: °F		87				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		WWTP									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?								Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR23517				OUTFALL ID:		MR23517		
Date/Time:		2021-06-21 13:37								
Temperature: °F		86				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		WWTP								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
SECTION 4: COMMENTS AND SIGNATURE										
Comments :	Damage on top of Pipe.									
Signature of Inspector :										

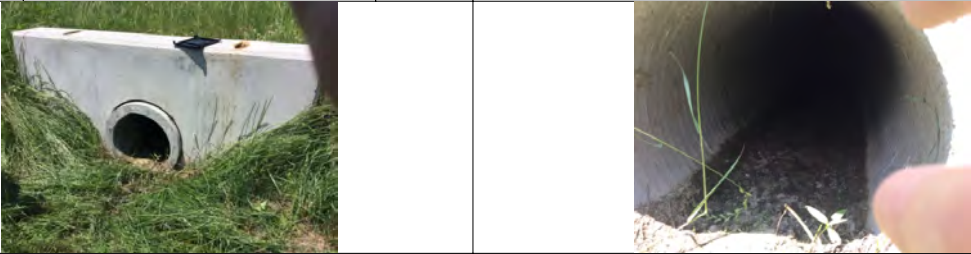
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR23518				OUTFALL ID:		MR23518		
Date/Time:		2021-06-21 13:24								
Temperature: °F		87				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		WWTP								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?						Estimated GPM:				
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		MR23519				OUTFALL ID:		MR23519			
Date/Time:		2021-06-21 13:16									
Temperature: °F		88				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		WWTP									
Previous Precipitation Date/End Time:		2021-06-21 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		MR23524				OUTFALL ID:		MR23524	
Date/Time:		2021-06-21 12:37							
Temperature: °F						Inspector(s):			
Street Name/Structure Location:		WWTP							
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		Reinforced Concrete		Circle		18		In Water:	No
								With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):									
Is Inlet Pipe No.1 Flowing?								Estimated GPM:	
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA													
ASSET ID:		MR42312				OUTFALL ID:		MR42312					
Date/Time:		2021-06-08 9:57											
Temperature: °F		84				Inspector(s):		Jesse Middleton					
Street Name/Structure Location:		Cross Country											
Previous Precipitation Date/End Time:		2021-06-04 14:50:00				Amount (inches):		0.04					
Pictures													
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION													
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged					
Outfall Pipe		Reinforced Concrete		Circle		36		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>In Water:</td> <td>No</td> </tr> <tr> <td>With Sediment:</td> <td>No</td> </tr> </table>		In Water:	No	With Sediment:	No
In Water:	No												
With Sediment:	No												
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS													
Indicator		Indicator Present?		Indicator Description									
Asset Damage		None											
Deposits/Stains		None											
Pool Quality		None											
Pipe Algae/Growth		None											
*Do physical indicators suggest an illicit discharge is present (Y/N):		No											
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:					
Comments :													
Signature of Inspector :													

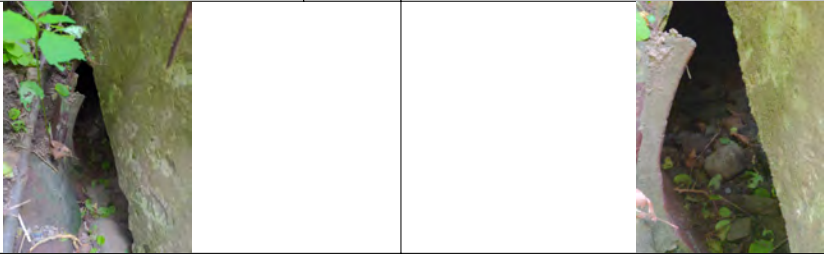

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MRS4713				OUTFALL ID:		MRS4713		
Date/Time:		2021-06-22 10:17								
Temperature: °F						Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		CROSS COUNTRY								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		HDPE		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										



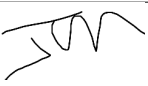
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		MR60312			OUTFALL ID:		MR60312			
Date/Time:		2021-06-08 9:42								
Temperature: °F		84			Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		CROSS COUNTRY								
Previous Precipitation Date/End Time:		2021-06-04 14:50:00			Amount (inches):		0.04			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Cement Concrete			Circle		36	In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?			Indicator Description					
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No					Estimated GPM:			
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK0628				OUTFALL ID:		UNK0628	
Date/Time:		2021-06-22 14:19							
Temperature: °F		72				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		BRANDY BROW RD							
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3	
Pictures	<div style="display: flex; justify-content: space-around;">  </div>								
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Vitrified Clay	Circle	18	In Water:				
					No				
					With Sediment:				
					No				
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		Cracking/Chipping							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):									
Is Inlet Pipe No.1 Flowing?									
Estimated GPM:									
Comments :	Maintenance Needed								
Signature of Inspector :									



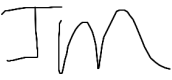
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0672				OUTFALL ID:		UNK0672		
Date/Time:		2021-06-20 8:06								
Temperature: °F		73				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart		
Street Name/Structure Location:		HANOVER ST								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe			Reinforced Concrete		Circle		10		In Water:	Partially
									With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator			Indicator Present?		Indicator Description					
Asset Damage			None							
Deposits/Stains			None							
Pool Quality			None							
Pipe Algae/Growth			None							
*Do physical indicators suggest an illicit discharge is present (Y/N):			No							
Is Inlet Pipe No.1 Flowing?			No				Estimated GPM:			
Comments :										
Signature of Inspector :										


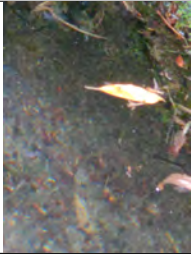
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0673				OUTFALL ID:		UNK0673			
Date/Time:		2021-06-20 8:12									
Temperature: °F		72				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0674				OUTFALL ID:		UNK0674		
Date/Time:		2021-06-20 8:03								
Temperature: °F		72				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete		Circle	10	In Water:		Partially		
						With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK0731				OUTFALL ID:		UNK0731	
Date/Time:		2021-06-25 9:47							
Temperature: °F		61				Inspector(s):		Jesse Middleton	
Street Name/Structure Location:		Cross Country							
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		Reinforced Concrete		Circle		36		In Water:	Fully
								With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):									
Is Inlet Pipe No.1 Flowing?									
						Estimated GPM:			
Comments :									
Signature of Inspector :	AS								

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK0949				OUTFALL ID:		UNK0949			
Date/Time:		2021-06-20 6:40									
Temperature: °F		69				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.03			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		36		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK0950				OUTFALL ID:		UNK0950		
Date/Time:		2021-06-20 6:44								
Temperature: °F		69				Inspector(s):		Jesse Middleton Zebulan Day Brett Robart		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		24		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										


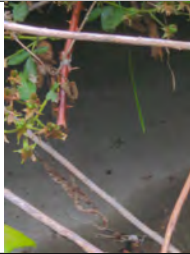

Haverhill IDDE Inspection Form
Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		#N/A				OUTFALL ID:		#N/A			
Date/Time:		#N/A									
Temperature: °F		#N/A				Inspector(s):		#N/A			
Street Name/Structure Location:											
Previous Precipitation Date/End Time:		#N/A			Amount (inches):		#N/A				
Pictures		#N/A				#N/A					
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		#N/A		#N/A		#N/A		#N/A		In Water: #N/A	
										With Sediment: #N/A	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?			Indicator Description				
Asset Damage				#N/A			#N/A				
Deposits/Stains				#N/A			#N/A				
Pool Quality				#N/A			#N/A				
Pipe Algae/Growth				#N/A			#N/A				
*Do physical indicators suggest an illicit discharge is present (Y/N):				#N/A			#N/A				
Is Inlet Pipe No.1 Flowing?				#N/A			#N/A		Estimated GPM: #N/A		
Comments :		#N/A									
Signature of Inspector :		#N/A									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1725				OUTFALL ID:		UNK1725		
Date/Time:		2021-06-25 10:52:00								
Temperature: °F		61				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		KRISTINE LN								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1726				OUTFALL ID:		UNK1726			
Date/Time:		2021-06-25 10:58									
Temperature: °F		63				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		KRISTINE LN									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
										Estimated GPM:	
Comments :											
Signature of Inspector :											

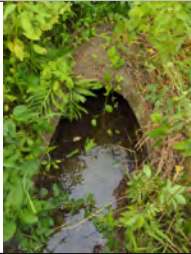
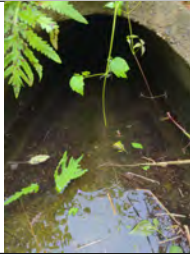

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1727				OUTFALL ID:		UNK1727			
Date/Time:		2021-06-25 10:30									
Temperature: °F		63				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?						Estimated GPM:					
Comments :											
Signature of Inspector :											


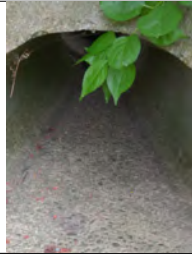

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1806				OUTFALL ID:		UNK1806			
Date/Time:		2021-06-21 13:29									
Temperature: °F		86				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		SOUTH PORTER ST									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete				24		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No				Estimated GPM:			
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1823				OUTFALL ID:		UNK1823		
Date/Time:		2021-06-25 13:26								
Temperature: °F		63				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?								Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1826				OUTFALL ID:		UNK1826			
Date/Time:		2021-06-25 13:38									
Temperature: °F		63				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
						Estimated GPM:					
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1829				OUTFALL ID:		UNK1829		
Date/Time:		2021-06-28 10:14								
Temperature: °F		84				Inspector(s):		Andrew Salois		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe				Circle		32		In Water:	Partially	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1831				OUTFALL ID:		UNK1831			
Date/Time:		2021-06-25 12:46									
Temperature: °F		63				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		BROADWAY									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment: Partially	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
										Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1834				OUTFALL ID:		UNK1834		
Date/Time:		2021-06-25 12:59								
Temperature: °F		63				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		BROADWAY								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Vitrified Clay		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1852				OUTFALL ID:		UNK1852		
Date/Time:		2021-06-29 10:23								
Temperature: °F						Inspector(s):				
Street Name/Structure Location:		CREEK BROOK DR								
Previous Precipitation Date/End Time:						Amount (inches):				
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		36		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?								Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1853			OUTFALL ID:		UNK1853			
Date/Time:		2021-06-29 10:29								
Temperature: °F		90			Inspector(s):		Andrew Salois			
Street Name/Structure Location:		RESEARCH DR								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)	Submerged			
Outfall Pipe		Reinforced Concrete		Circle		15	In Water:			
							With Sediment:			
							No			
							No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?										
						Estimated GPM:				
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1856			OUTFALL ID:		UNK1856				
Date/Time:		2021-06-29 7:54									
Temperature: °F		82			Inspector(s):		Holly Tang				
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
Comments :											
Signature of Inspector :											


Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1861			OUTFALL ID:		UNK1861			
Date/Time:		2021-06-28 9:48								
Temperature: °F		81			Inspector(s):		Holly Tang			
Street Name/Structure Location:		VILLAGE WOODS RD								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material			Shape		Diameter/Dimension (in.)	Submerged		
Outfall Pipe		Reinforced Concrete			Circle		12	In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										


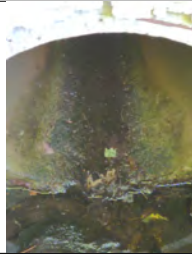

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1862				OUTFALL ID:		UNK1862			
Date/Time:		2021-06-28 9:45									
Temperature: °F		81				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		VILLAGE WOODS RD									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No						Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK1864			OUTFALL ID:		UNK1864		
Date/Time:		2021-06-28 9:25							
Temperature: °F		81			Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		OLD YANKEE RD							
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01		
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	18					
					In Water:	No			
					With Sediment:	No			
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):									
Is Inlet Pipe No.1 Flowing?									
				Estimated GPM:					
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK1865			OUTFALL ID:		UNK1865				
Date/Time:		2021-06-28 9:27									
Temperature: °F		81			Inspector(s):		Jesse Middleton				
Street Name/Structure Location:		OLD YANKEE RD									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01				
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		24		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?										Estimated GPM:	
SECTION 4: COMMENTS AND SIGNATURE											
Comments :											
Signature of Inspector :											

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1901			OUTFALL ID:		UNK1901			
Date/Time:		2021-06-29 8:07								
Temperature: °F		82			Inspector(s):		Andrew Salois			
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete		Circle	15	In Water:		No		
						With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?						Estimated GPM:				
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK1902				OUTFALL ID:		UNK1902		
Date/Time:		2021-06-29 8:19								
Temperature: °F		82				Inspector(s):		Andrew Salois		
Street Name/Structure Location:		Cross Country								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		15		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
		Is Inlet Pipe No.1 Flowing?						Estimated GPM:		
Comments :										
Signature of Inspector :										




Haverhill IDDE Inspection Form
Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		#N/A				OUTFALL ID:		#N/A			
Date/Time:		#N/A									
Temperature: °F		#N/A				Inspector(s):		#N/A			
Street Name/Structure Location:											
Previous Precipitation Date/End Time:		#N/A			Amount (inches):		#N/A				
Pictures		#N/A				#N/A					
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe		#N/A		#N/A		#N/A		#N/A		In Water: #N/A	
										With Sediment: #N/A	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?			Indicator Description				
Asset Damage				#N/A			#N/A				
Deposits/Stains				#N/A			#N/A				
Pool Quality				#N/A			#N/A				
Pipe Algae/Growth				#N/A			#N/A				
*Do physical indicators suggest an illicit discharge is present (Y/N):				#N/A			#N/A				
Is Inlet Pipe No.1 Flowing?				#N/A			#N/A		Estimated GPM: #N/A		
Comments :		#N/A									
Signature of Inspector :		#N/A									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA									
ASSET ID:		UNK15113				OUTFALL ID:		UNK15113	
Date/Time:		2021-06-28 10:22							
Temperature: °F		84				Inspector(s):		Andrew Salois	
Street Name/Structure Location:		BROADWAY							
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01	
Pictures									
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION									
Location	Upstream Asset ID	Material	Shape	Diameter/Dimension (in.)	Submerged				
Outfall Pipe		Reinforced Concrete	Circle	12	In Water:		No		
					With Sediment:		No		
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS									
Indicator		Indicator Present?		Indicator Description					
Asset Damage		None							
Deposits/Stains		None							
Pool Quality		None							
Pipe Algae/Growth		None							
*Do physical indicators suggest an illicit discharge is present (Y/N):									
Is Inlet Pipe No.1 Flowing?						Estimated GPM:			
Comments :									
Signature of Inspector :									




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK15114				OUTFALL ID:		UNK15114			
Date/Time:		2021-06-28 10:25									
Temperature: °F		84				Inspector(s):		Andrew Salois			
Street Name/Structure Location:		CROSS COUNTRY									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Unknown		Circle		16		In Water:	
										With Sediment:	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):				No							
Is Inlet Pipe No.1 Flowing?				No							
						Estimated GPM:					
Comments :											
Signature of Inspector :											


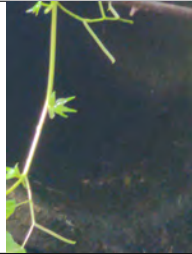

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK15115			OUTFALL ID:		UNK15115			
Date/Time:		2021-06-28 10:36								
Temperature: °F		84			Inspector(s):		Andrew Salois			
Street Name/Structure Location:		CROSS COUNTRY								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00			Amount (inches):		0.01			
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe			Unknown		Circle		15		In Water:	No
									With Sediment:	No
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator			Indicator Present?			Indicator Description				
Asset Damage			None							
Deposits/Stains			None							
Pool Quality			None							
Pipe Algae/Growth			None							
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?										
								Estimated GPM:		
Comments :										
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> Signature of Inspector :  </div> <div style="flex: 9; border: 1px solid black;"></div> </div>										


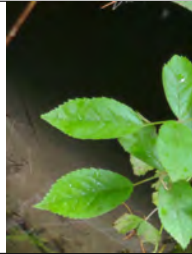

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK15513				OUTFALL ID:		UNK15513		
Date/Time:		2021-06-25 13:17								
Temperature: °F		64				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		CROSS COUNTRY								
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		24		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No						Estimated GPM:		
Comments :										
Signature of Inspector :										


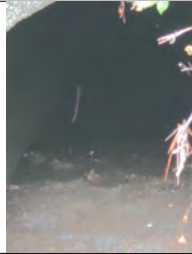

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK16713				OUTFALL ID:		UNK16713			
Date/Time:		2021-06-25 10:20									
Temperature: °F		63				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		BROADWAY									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		18		In Water:	
										With Sediment:	
										No	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?				Indicator Description			
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
										Estimated GPM:	
Comments :											
Signature of Inspector :											




Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		UNK29912				OUTFALL ID:		UNK29912			
Date/Time:		2021-06-22 10:54									
Temperature: °F		81				Inspector(s):		Jesse Middleton			
Street Name/Structure Location:		CROSS COUNTRY									
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Poly Vinyl Chloride		Circle		12		In Water:	
										Partially	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?						Estimated GPM:					
Comments :											
Signature of Inspector :											


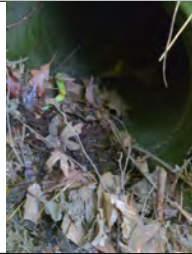

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK33512				OUTFALL ID:		UNK33512		
Date/Time:		2021-06-29 0:35:00								
Temperature: °F		87				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		CROSS COUNTRY								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		18		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):										
Is Inlet Pipe No.1 Flowing?						Estimated GPM:				
Comments :										
Signature of Inspector :										

Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA										
ASSET ID:		UNK48712				OUTFALL ID:		UNK48712		
Date/Time:		2021-06-22 11:10								
Temperature: °F		79				Inspector(s):		Jesse Middleton		
Street Name/Structure Location:		AMESBURY LINE RD								
Previous Precipitation Date/End Time:		2021-06-16 0:35:00				Amount (inches):		0.3		
Pictures										
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION										
Location	Upstream Asset ID	Material		Shape		Diameter/Dimension (in.)		Submerged		
Outfall Pipe		Reinforced Concrete		Circle		12		In Water:	No	
								With Sediment:	No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS										
Indicator		Indicator Present?		Indicator Description						
Asset Damage		None								
Deposits/Stains		None								
Pool Quality		None								
Pipe Algae/Growth		None								
*Do physical indicators suggest an illicit discharge is present (Y/N):		No								
Is Inlet Pipe No.1 Flowing?		No				Estimated GPM:				
Comments :	Maintenance Repair Needed.									
Signature of Inspector :										

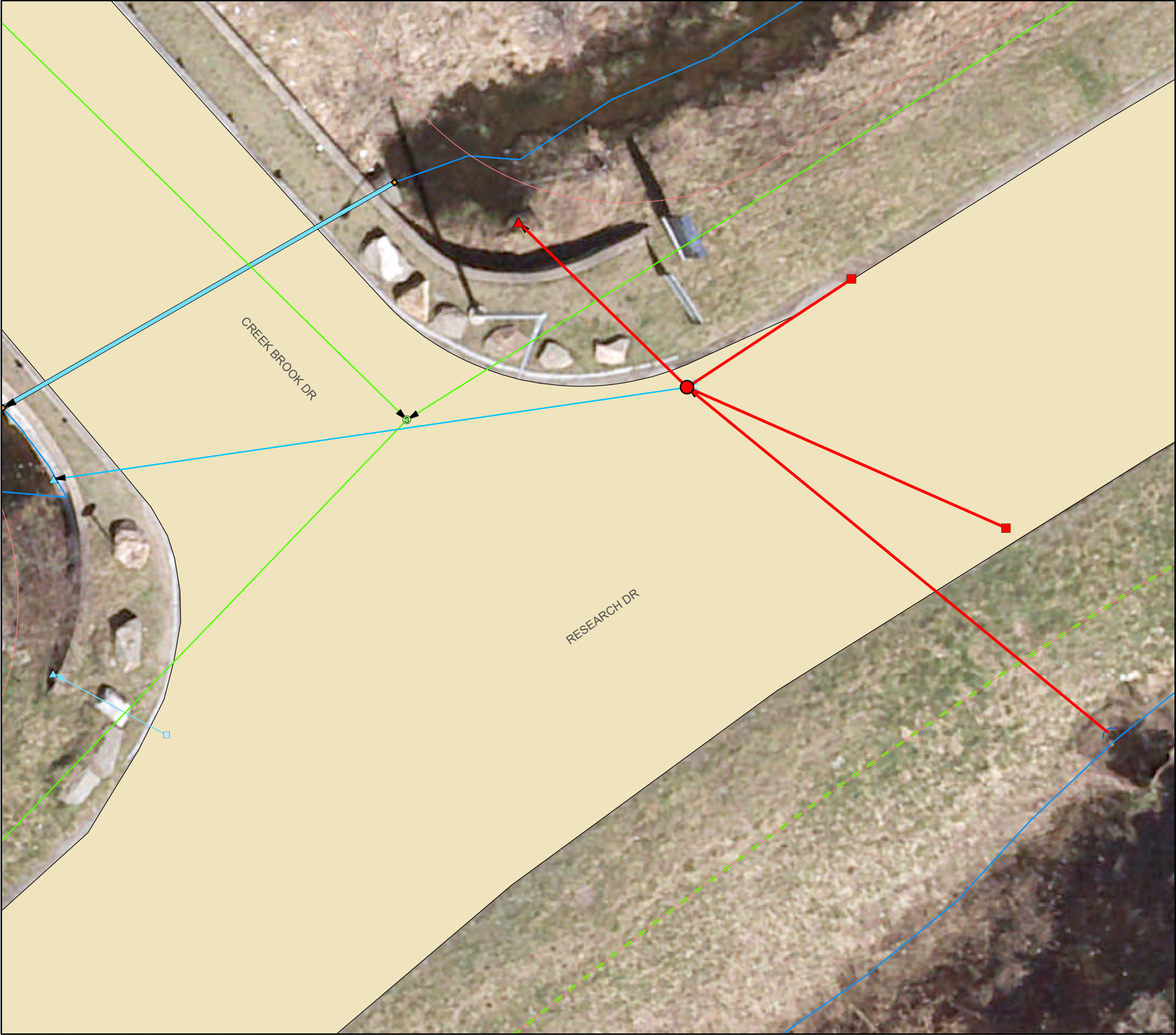
Haverhill IDDE Inspection Form Outfall

SECTION 1: BACKGROUND DATA											
ASSET ID:		WMB1161				OUTFALL ID:		WMB1161			
Date/Time:		2021-06-29 9:24									
Temperature: °F		84				Inspector(s):		Holly Tang			
Street Name/Structure Location:		Cross Country									
Previous Precipitation Date/End Time:		2021-06-25 6:10:00				Amount (inches):		0.01			
Pictures											
SECTION 2: OUTFALL PIPE ASSET DESCRIPTION											
Location		Upstream Asset ID		Material		Shape		Diameter/Dimension (in.)		Submerged	
Outfall Pipe				Reinforced Concrete		Circle		12		In Water:	
										No	
										With Sediment:	
										No	
SECTION 3: OUTFALL PIPE PHYSICAL INDICATORS											
Indicator				Indicator Present?		Indicator Description					
Asset Damage				None							
Deposits/Stains				None							
Pool Quality				None							
Pipe Algae/Growth				None							
*Do physical indicators suggest an illicit discharge is present (Y/N):											
Is Inlet Pipe No.1 Flowing?											
						Estimated GPM:					
Comments :											
Signature of Inspector :											

APPENDIX B

IDDE PROGRAM SUPPORTING DOCUMENTS

CB1198 Catchment Investigation 6/8/2021



Legend

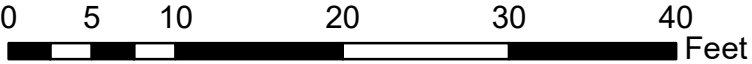
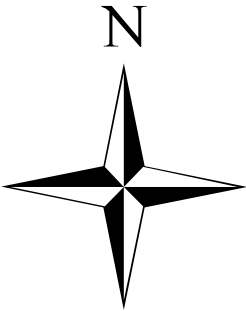
▲ Discharge point

● Manholes within catchment

■ Catch basins within catchment

— Catchment area

*Catchment details: 1
manholes
2 catch basins 143' of
pipe within catchment
No Dry Weather Flow*



*This map was produced from the City of Haverhill's Geographic Information System.
The City expressly disclaims any liability that may result from the use of this map.*

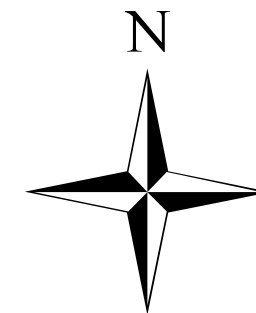
UNK1189 Catchment Investigation 6/8/2021



Legend

- ▲ Discharge point
- Manholes within catchment
- Catch basins within catchment
- Catchment area

Catchment details:
4 manholes
13 catch basins
1765' of pipe within catchment
No Dry Weather Flow



0 50 100 200 300 400 Feet

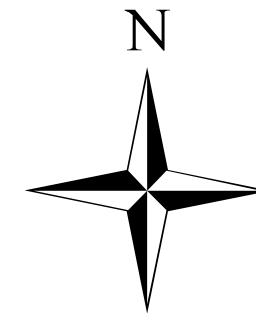
UNK1750 Catchment Investigation 6/8/2021



Legend

- ▲ Discharge point
- Manholes within catchment
- Catch basins within catchment
- Catchment area

Catchment details:
13 manholes
10 catch basins
1241' of pipe within catchment
No Dry Weather Flow



0 20 40 80 120 160 Feet

